

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116580.D
 Acq On : 27 Aug 2019 12:56
 Operator : HP/JU
 Sample : PB122218BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB122218BSD

Manual Integrations
 APPROVED

mohammad

8/29/2019 7:54:42 AM

Quant Time: Aug 27 17:55:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	71085	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	303440	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	221829	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	395042	20.00	ng	0.00
76) Chrysene-d12	14.03	240	272719	20.00	ng	0.00
87) Perylene-d12	15.49	264	239083	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	491434	101.01	ng	0.01
7) Phenol-d6	6.51	99	622956	104.43	ng	0.00
23) Nitrobenzene-d5	7.43	82	379784	68.47	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	232913	122.28	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	947210	68.76	ng	0.00
79) Terphenyl-d14	12.97	244	1003228	68.71	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.76	88	87943	41.750	ng	96
3) Pyridine	3.49	79	213467	33.278	ng	98
4) n-Nitrosodimethylamine	3.44	42	103626	44.253	ng	# 90
6) Aniline	6.54	93	254086	31.462	ng	98
8) 2-Chlorophenol	6.66	128	216375	42.382	ng	99
9) Benzaldehyde	6.42	77	158673	39.811	ng	98
10) Phenol	6.52	94	276104	42.623	ng	98
11) bis(2-Chloroethyl)ether	6.61	93	197971	40.139	ng	97
12) 1,3-Dichlorobenzene	6.82	146	227369	41.146	ng	95
13) 1,4-Dichlorobenzene	6.89	146	234488	44.090	ng	99
14) 1,2-Dichlorobenzene	7.05	146	218144	43.480	ng	99
15) Benzyl Alcohol	7.02	79	205802	42.631	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.15	45	238615	34.990	ng	96
17) 2-Methylphenol	7.13	107	185653	43.890	ng	97
18) Hexachloroethane	7.39	117	90449	43.607	ng	96
19) n-Nitroso-di-n-propylamine	7.29	70	162668	39.963	ng	98
20) 3+4-Methylphenols	7.27	107	234559	45.266	ng	89
22) Acetophenone	7.28	105	320272	42.209	ng	# 93
24) Nitrobenzene	7.45	77	249225	43.390	ng	95
25) Isophorone	7.69	82	442865	40.518	ng	99
26) 2-Nitrophenol	7.77	139	115497	55.050	ng	97
27) 2,4-Dimethylphenol	7.81	122	197219	45.051	ng	94
28) bis(2-Chloroethoxy)methane	7.90	93	262939	38.955	ng	98
29) 2,4-Dichlorophenol	8.01	162	187370	45.007	ng	97
30) 1,2,4-Trichlorobenzene	8.10	180	202386	43.182	ng	97
31) Naphthalene	8.18	128	655768	44.674	ng	100
32) Benzoic acid	7.92	122	135996	48.594	ng	97
33) 4-Chloroaniline	8.22	127	150242	23.315	ng	99
34) Hexachlorobutadiene	8.30	225	117421	45.939	ng	99
35) Caprolactam	8.58	113	70790m	48.816	ng	
36) 4-Chloro-3-methylphenol	8.70	107	265905	56.608	ng	96
37) 2-Methylnaphthalene	8.87	142	565707	56.128	ng	99
38) 1-Methylnaphthalene	8.97	142	551053	58.529	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.04	216	250960	42.050	ng	99

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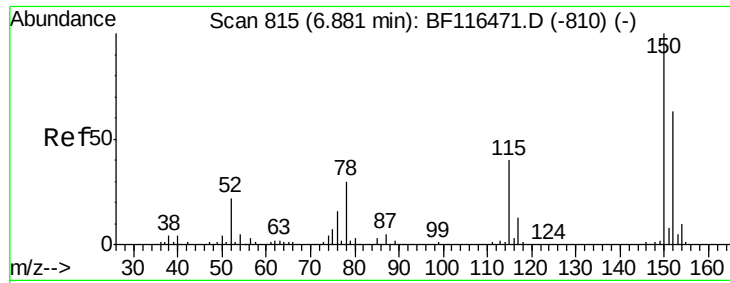
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.03	237	320143	99.700	nq	98
43) 2,4,6-Trichlorophenol	9.15	196	180068	43.110	nq	96
44) 2,4,5-Trichlorophenol	9.18	196	194150	45.681	nq	98
46) 1,1'-Biphenyl	9.33	154	727519	41.020	nq	100
47) 2-Chloronaphthalene	9.36	162	568972	41.381	nq	99
48) 2-Nitroaniline	9.45	65	175856	41.772	nq	99
49) Acenaphthylene	9.77	152	878605	43.676	nq	98
50) Dimethylphthalate	9.63	163	657174	42.461	nq	99
51) 2,6-Dinitrotoluene	9.69	165	146961	46.390	nq	98
52) Acenaphthene	9.95	154	604551	46.835	nq	100
53) 3-Nitroaniline	9.85	138	114057	30.204	nq	96
54) 2,4-Dinitrophenol	9.96	184	137423	107.548	nq	# 1
55) Dibenzofuran	10.12	168	781607	43.438	nq	98
56) 4-Nitrophenol	10.02	139	248535	84.678	nq	94
57) 2,4-Dinitrotoluene	10.09	165	199407	49.468	nq	86
58) Fluorene	10.46	166	598525	42.814	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.23	232	158023	45.282	nq	99
60) Diethylphthalate	10.33	149	646536	42.502	nq	100
61) 4-Chlorophenyl-phenylether	10.45	204	290185	42.549	nq	98
62) 4-Nitroaniline	10.47	138	159548	43.200	nq	98
63) Azobenzene	10.61	77	651908	41.680	nq	100
65) 4,6-Dinitro-2-methylphenol	10.50	198	98716	59.053	nq	90
66) n-Nitrosodiphenylamine	10.56	169	541649	42.345	nq	100
67) 4-Bromophenyl-phenylether	10.94	248	172633	41.683	nq	96
68) Hexachlorobenzene	11.01	284	185105	40.409	nq	95
69) Atrazine	11.09	200	161350	42.100	nq	99
70) Pentachlorophenol	11.20	266	233734	87.457	nq	99
71) Phenanthrene	11.42	178	918478	42.680	nq	99
72) Anthracene	11.47	178	934474	43.213	nq	100
73) Carbazole	11.62	167	815692	42.022	nq	100
74) Di-n-butylphthalate	11.95	149	1011106	42.036	nq	100
75) Fluoranthene	12.60	202	937770	42.149	nq	100
77) Benzidine	12.72	184	483298	44.047	nq	98
78) Pyrene	12.83	202	949890	43.554	nq	100
80) Butylbenzylphthalate	13.44	149	422203	44.825	nq	93
81) Benzo(a)anthracene	14.02	228	761816	43.130	nq	99
82) 3,3'-Dichlorobenzidine	13.97	252	189488	30.104	nq	98
83) Chrysene	14.06	228	750102	41.899	nq	100
84) Bis(2-ethylhexyl)phthalate	14.01	149	556914	44.342	nq	100
85) Di-n-octyl phthalate	14.62	149	928992	43.568	nq	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	583600	38.055	nq	98
88) Benzo(b)fluoranthene	15.07	252	681379	46.134	nq	97
89) Benzo(k)fluoranthene	15.10	252	643951	48.127	nq	99
90) Benzo(a)pyrene	15.43	252	606710	46.479	nq	98
91) Dibenzo(a,h)anthracene	16.97	278	487095	45.412	nq	96
92) Benzo(g,h,i)perylene	17.40	276	466317	45.603	nq	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

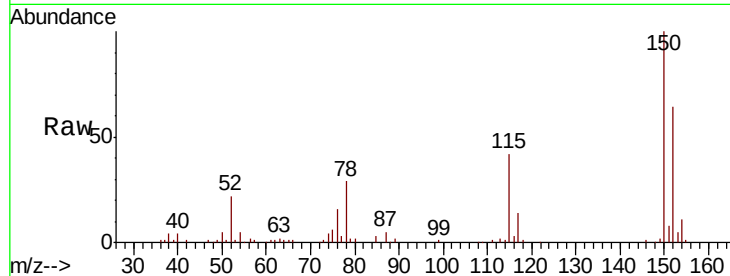
Instrument :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.7	190.1
115	65.2	50.9	76.3

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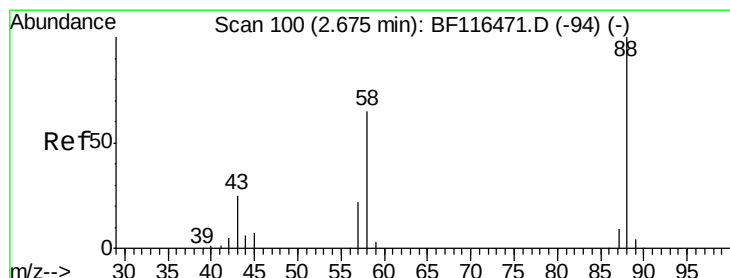
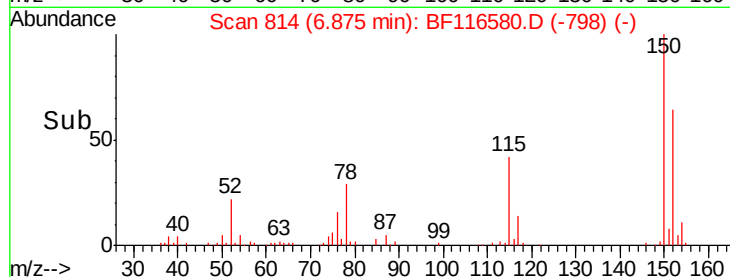
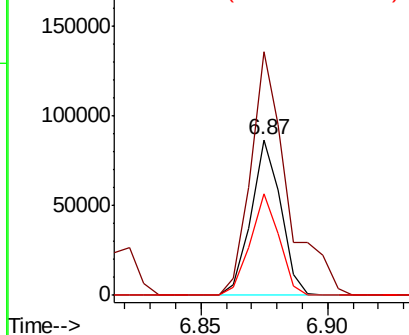


Abundance

Ion 152.00 (151.70 to 152.70): E

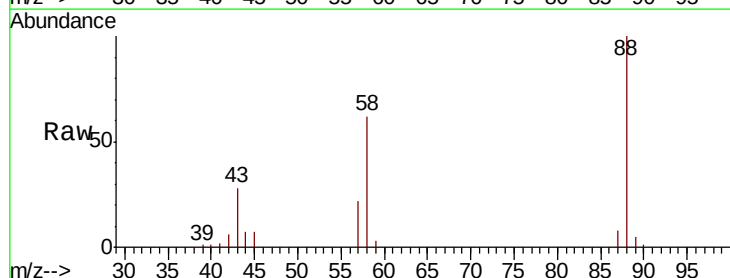
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2
 1,4-Dioxane
 Concen: 41.750 ng
 RT: 2.76 min Scan# 114
 Delta R.T. 0.08 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Lower	Upper
88	100		
58	63.2	53.4	80.0
43	27.9	21.2	31.8

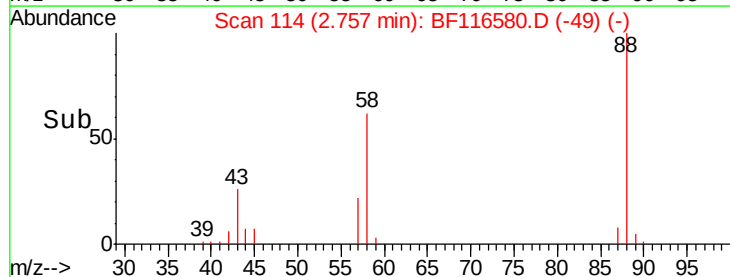
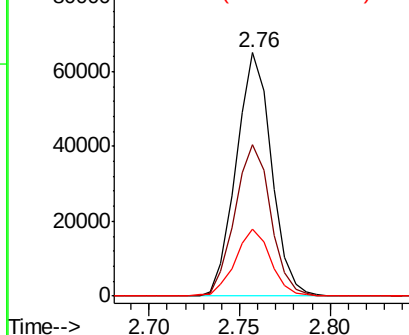


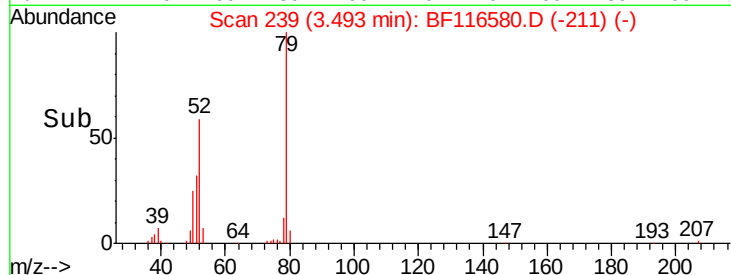
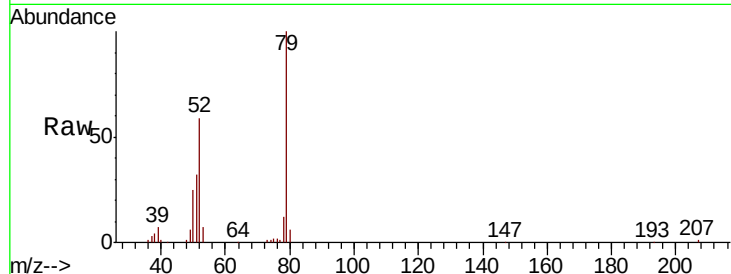
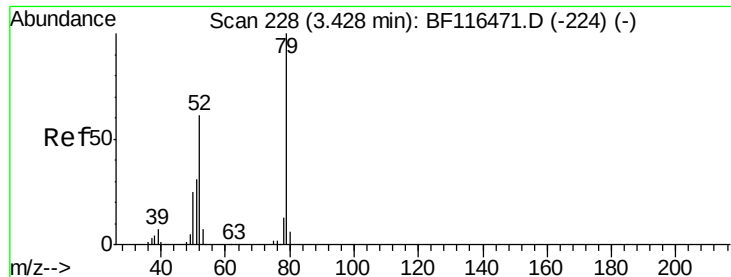
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3
 Pvridine
 Concen: 33.278 ng
 RT: 3.49 min Scan# 239
 Delta R.T. 0.06 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

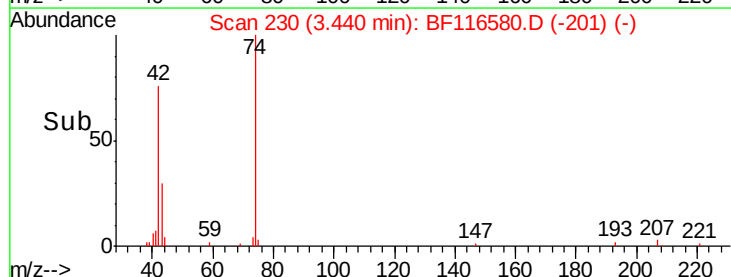
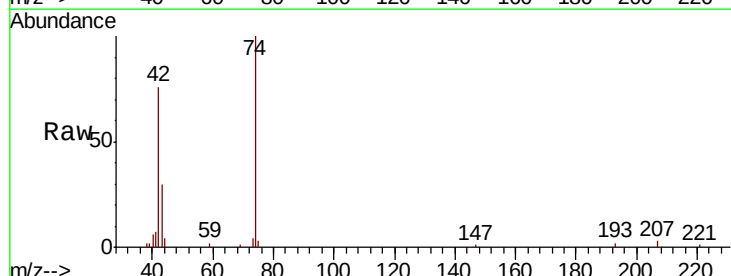
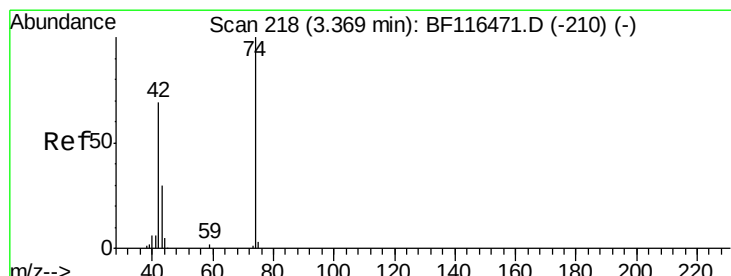
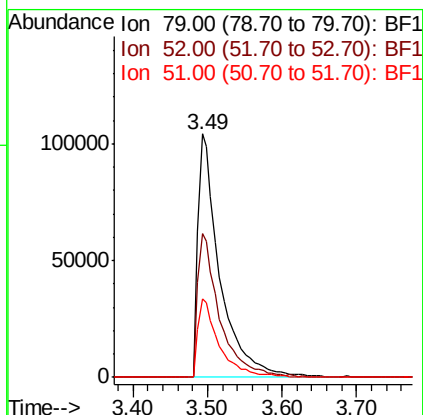
Tot Ion:	79	Resp:	213467
Ion	Ratio	Lower	Upper
79	100		
52	59.2	48.8	73.2
51	32.0	25.2	37.8

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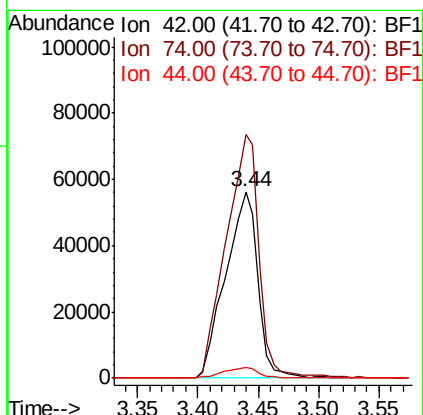
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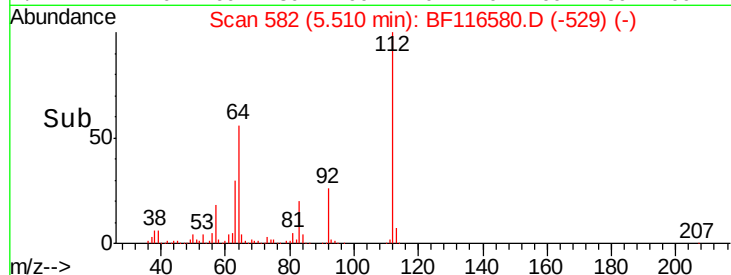
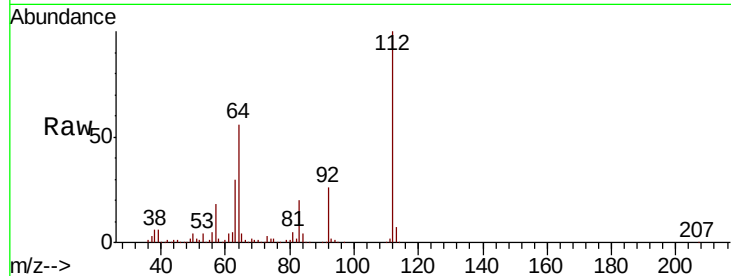
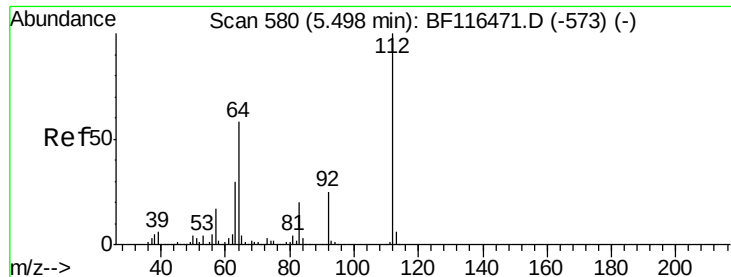
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#4
 n-Nitrosodimethylamine
 Concen: 44.253 ng
 RT: 3.44 min Scan# 230
 Delta R.T. 0.07 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

Tgt Ion:	42	Resp:	103626
Ion	Ratio	Lower	Upper
42	100		
74	130.9	115.3	172.9
44	5.8	5.8	8.8#





#5
2-Fluorophenol
Concen: 101.014 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

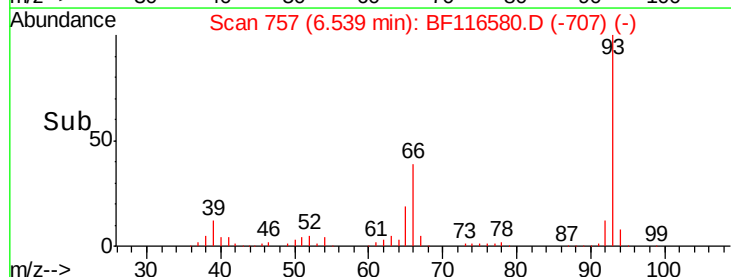
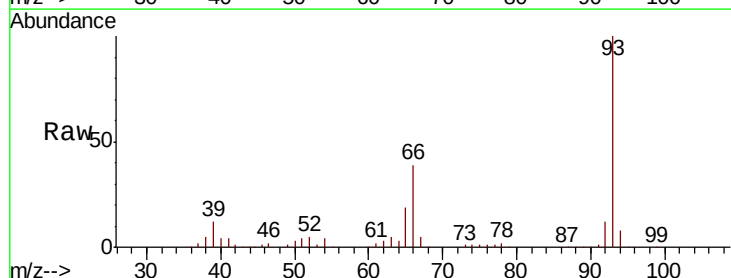
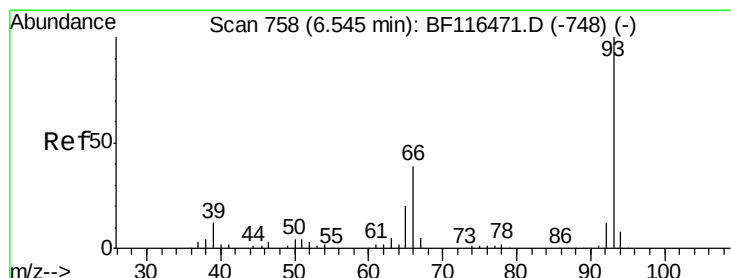
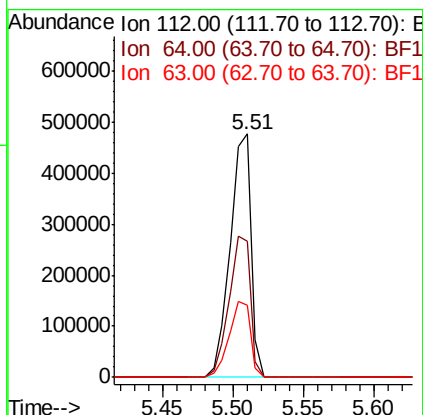
Tot Ion:	112	Resp:	491434
Ion Ratio	Lower	Upper	
112	100		
64	55.7	46.3	69.5
63	29.5	24.2	36.4

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ClientSampleId :
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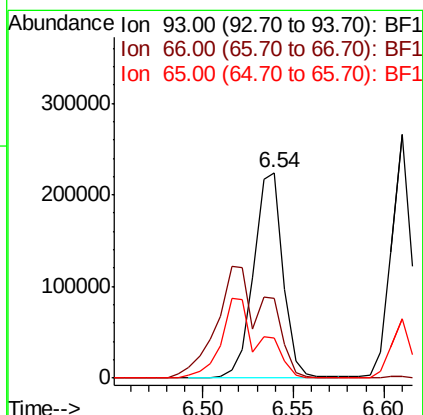
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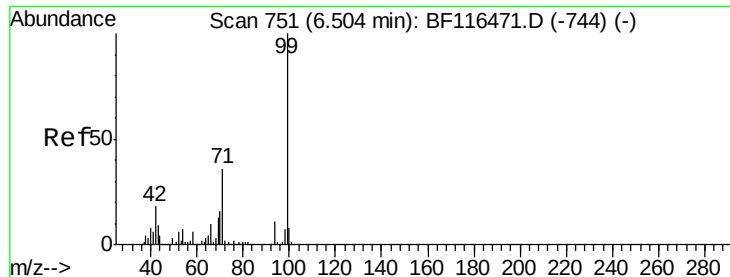
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#6
Aniline
Concen: 31.462 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion:	93	Resp:	254086
Ion Ratio	Lower	Upper	
93	100		
66	39.0	32.2	48.2
65	19.5	16.3	24.5





#7

Phenol-d6

Concen: 104.431 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

Instrument :

BNA_F

ClientSampleId :

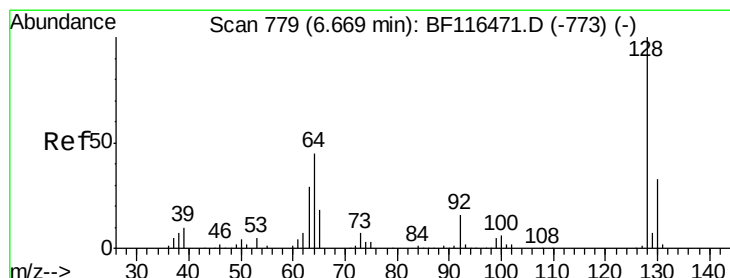
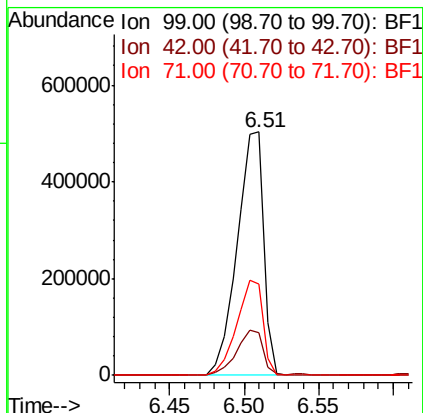
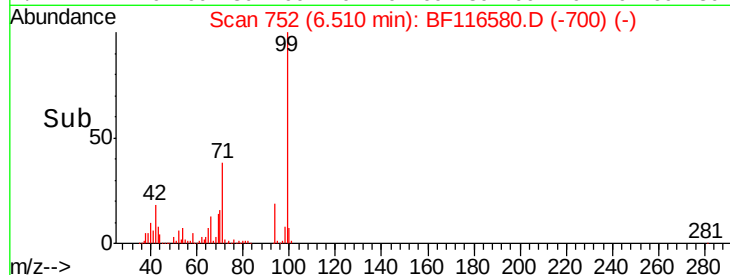
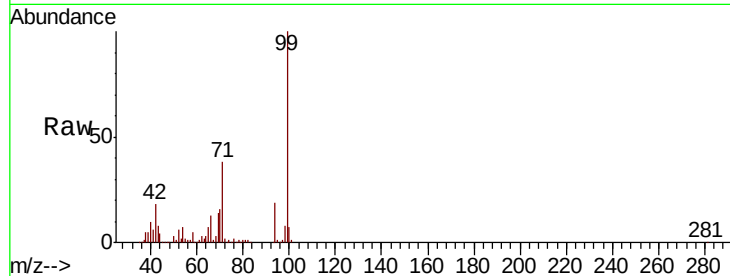
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Tot Ion:	99	Resp:	622956
Ion Ratio	Lower	Upper	
99	100		
42	17.6	14.6	21.8
71	37.7	28.5	42.7

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#8

2-Chlorophenol

Concen: 42.382 ng

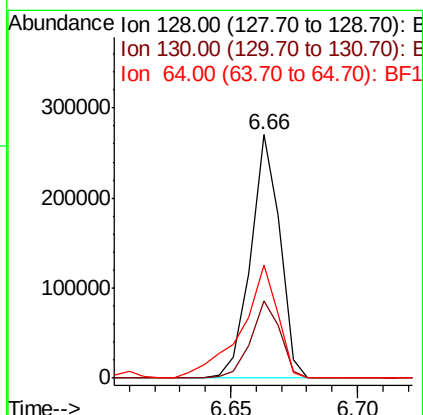
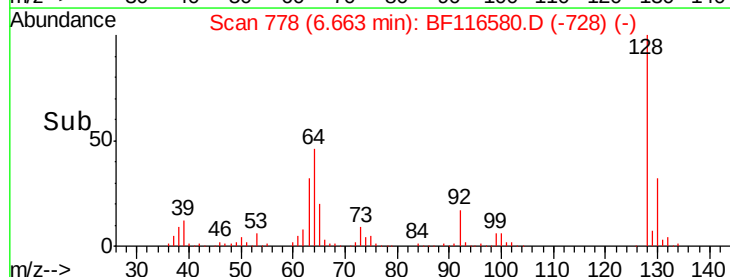
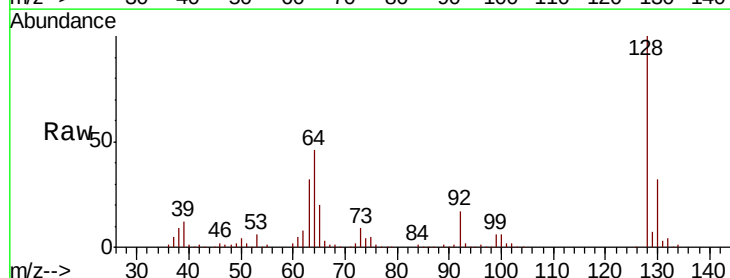
RT: 6.66 min Scan# 778

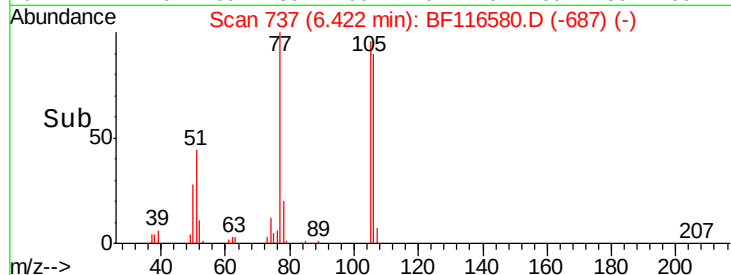
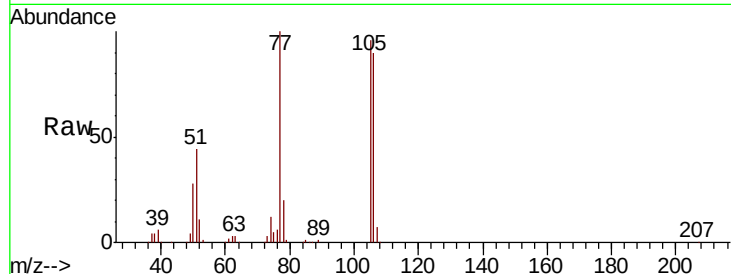
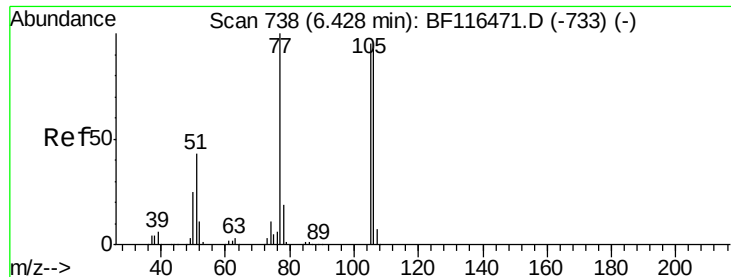
Delta R.T. -0.01 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

Tgt Ion:	128	Resp:	216375
Ion Ratio	Lower	Upper	
128	100		
130	31.9	13.4	53.4
64	46.4	26.3	66.3





#9
Benzaldehyde
Concen: 39.811 ng
RT: 6.42 min Scan# 737
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

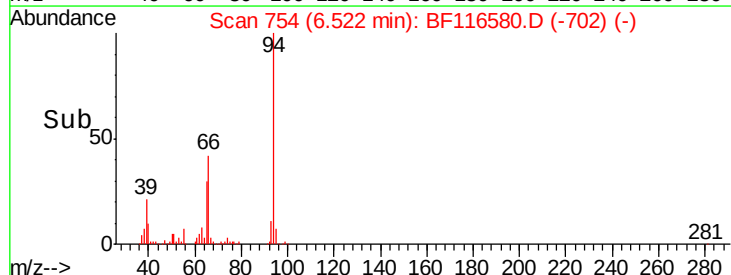
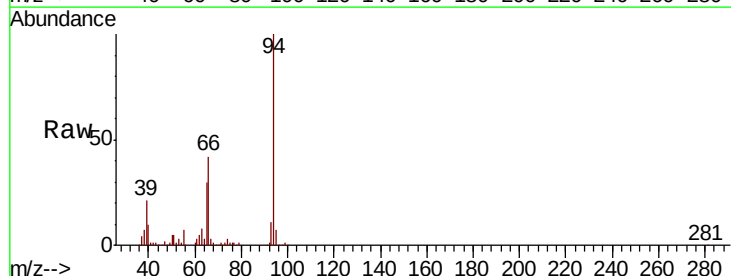
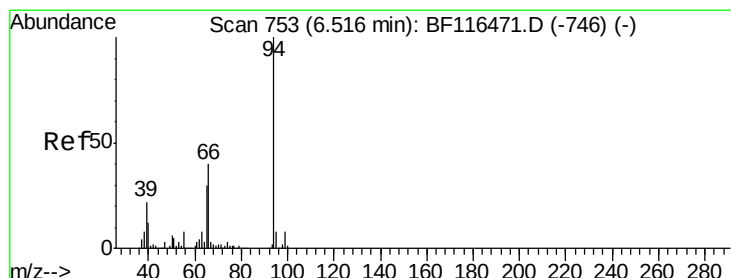
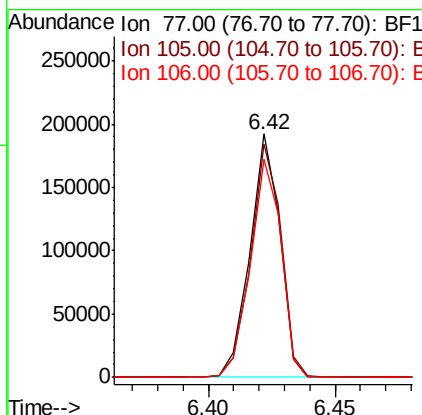
Tot Ion:	77	Resp:	158673
Ion Ratio	Lower	Upper	
77	100		
105	95.8	75.5	115.5
106	89.5	73.2	113.2

Instrument :
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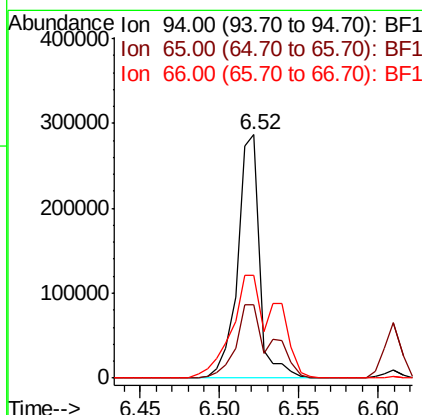
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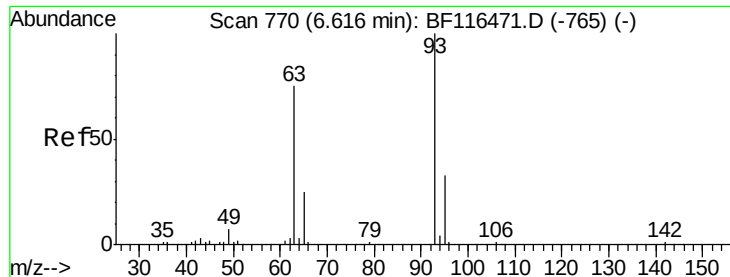
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#10
Phenol
Concen: 42.623 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion:	94	Resp:	276104
Ion Ratio	Lower	Upper	
94	100		
65	29.9	10.0	50.0
66	42.1	19.8	59.8





#11
bis(2-Chloroethyl)ether
Concen: 40.139 ng
RT: 6.61 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

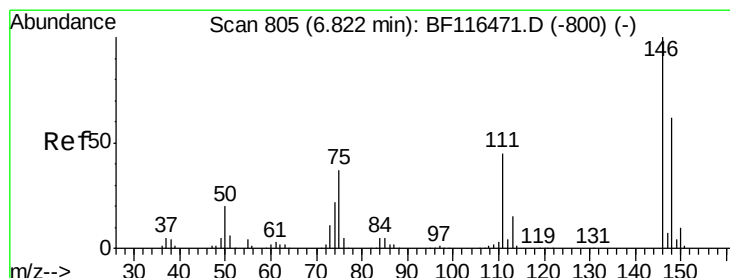
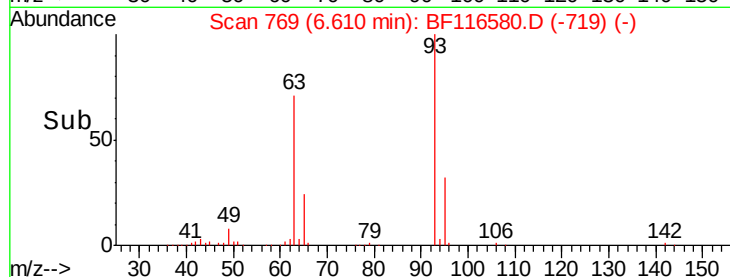
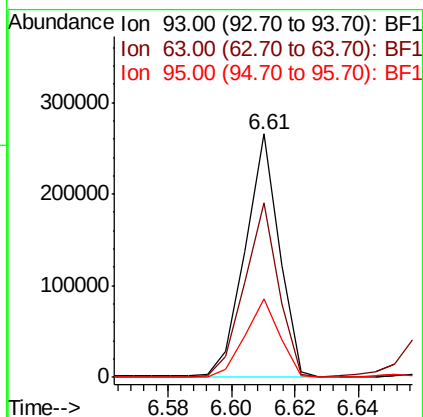
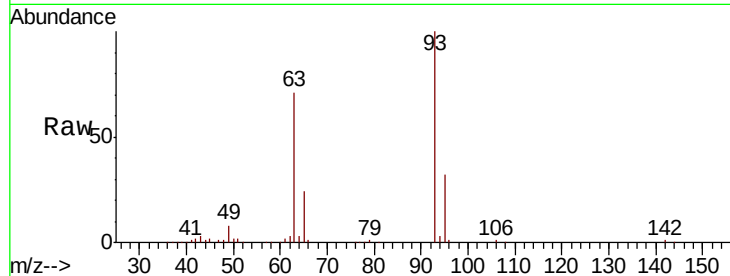
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion:	93	Resp:	197971
Ion	Ratio	Lower	Upper
93	100		
63	71.4	54.3	94.3
95	32.2	13.3	53.3

Manual Integrations
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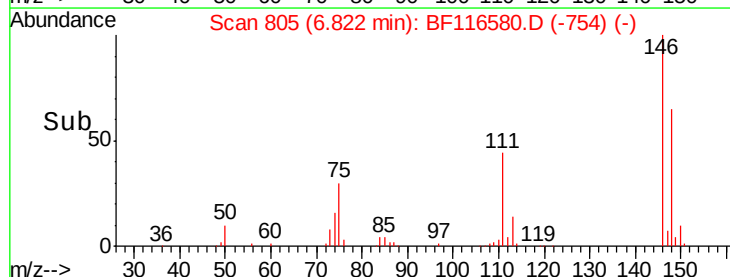
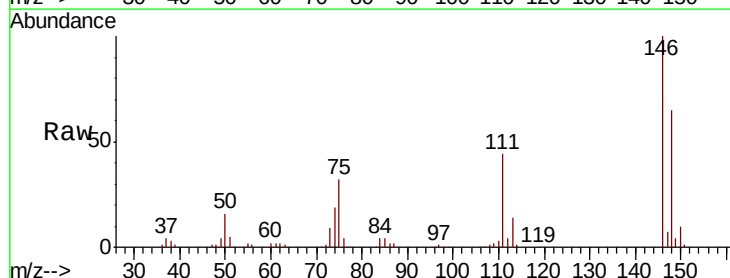
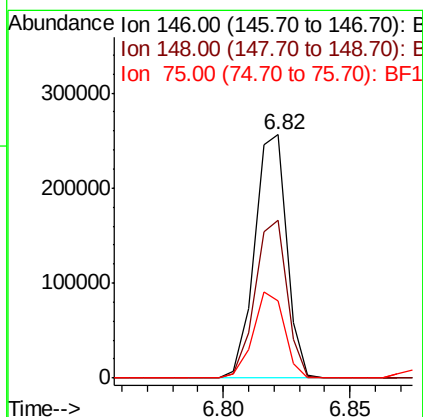
mohammad

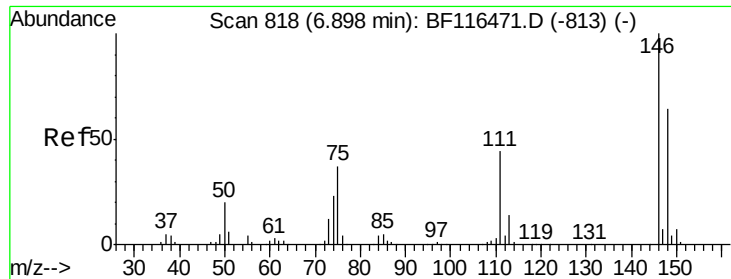
8/29/2019 7:54:42 AM



#12
1,3-Dichlorobenzene
Concen: 41.146 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion:	146	Resp:	227369
Ion	Ratio	Lower	Upper
146	100		
148	65.1	49.8	74.8
75	31.7	29.3	43.9





#13
 1,4-Dichlorobenzene
 Concen: 44.090 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

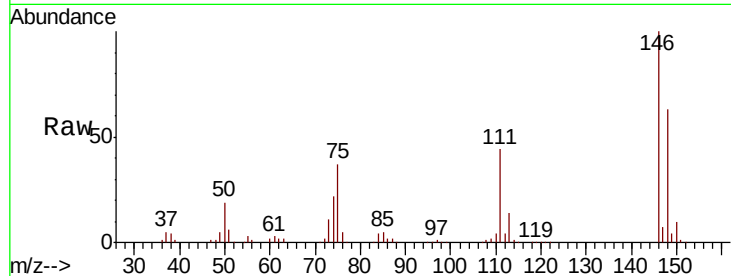
Instrument :
 BNA_F
 ClientSampleId :
 PB122218BSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.0	76.4
111	43.7	35.4	53.2

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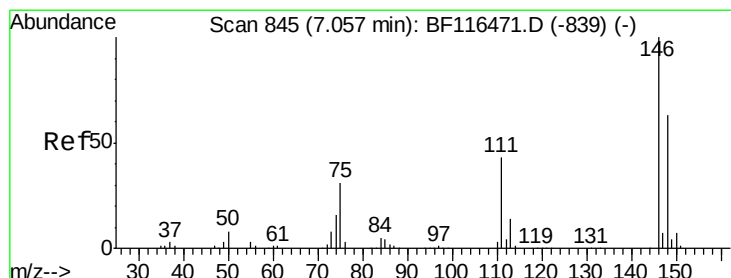
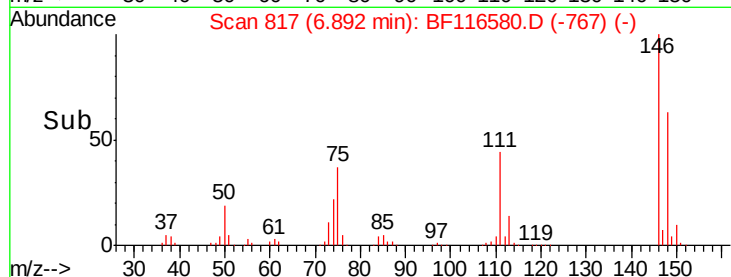
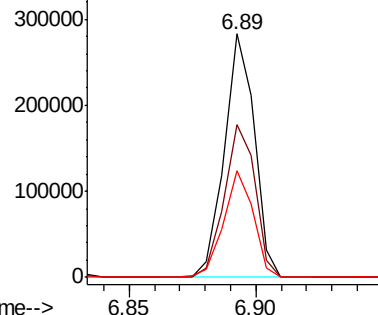


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 43.480 ng
 RT: 7.05 min Scan# 844
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

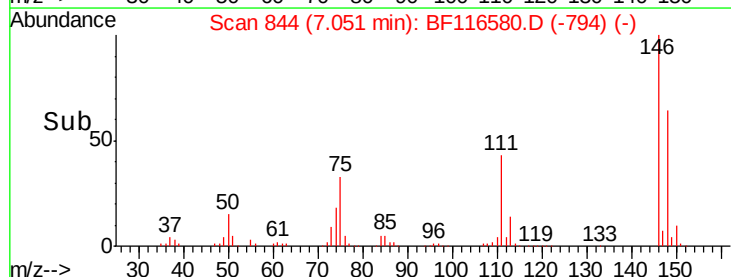
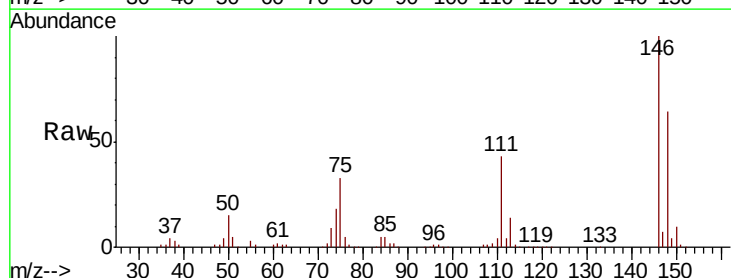
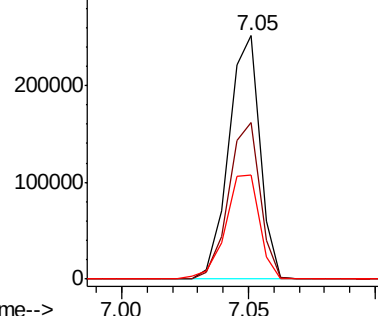
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.8	76.2
111	42.9	34.5	51.7

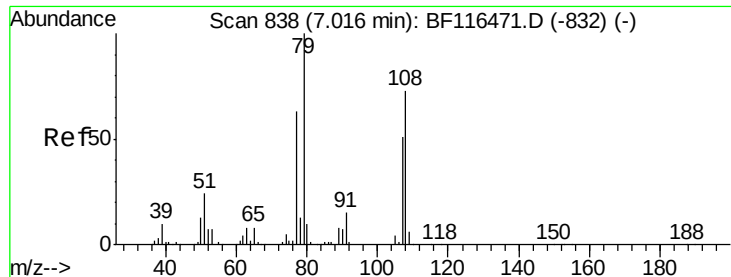
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 42.631 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.00 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

Instrument :

BNA_F

ClientSampleId :

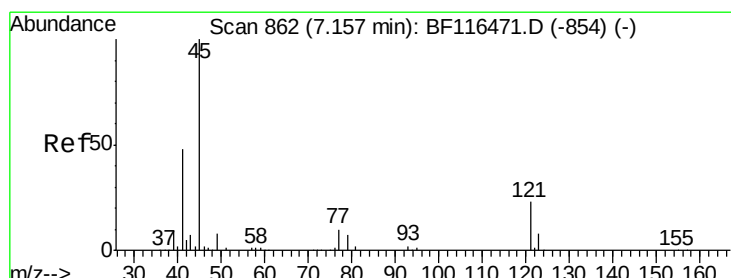
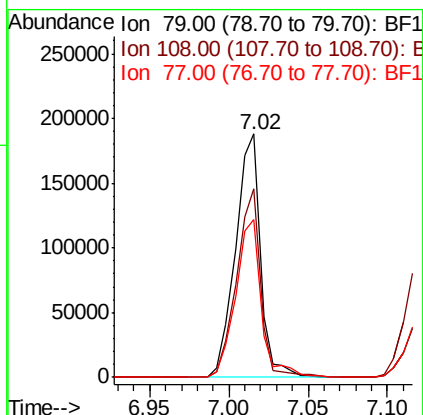
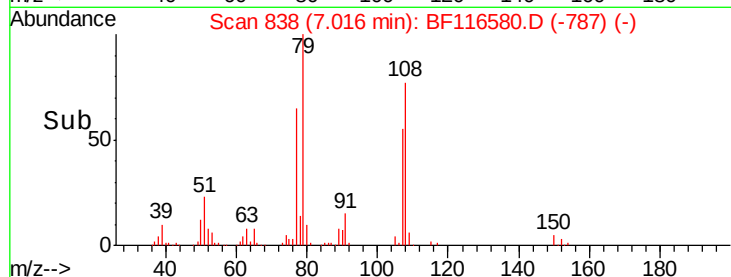
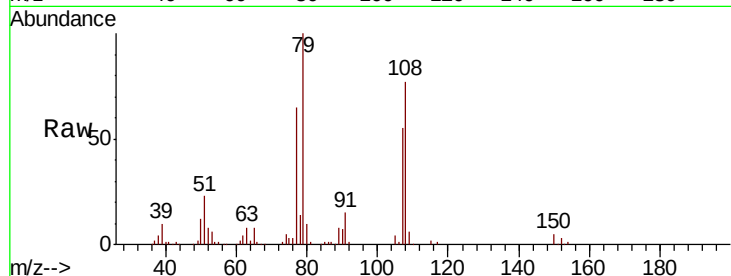
PB122218BSD

Tot Ion:	79	Resp:	205802
Ion Ratio	Lower	Upper	
79	100		
108	77.2	58.1	87.1
77	65.1	50.6	76.0

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#16

2,2'-oxybis(1-chloropropane)

Concen: 34.990 ng

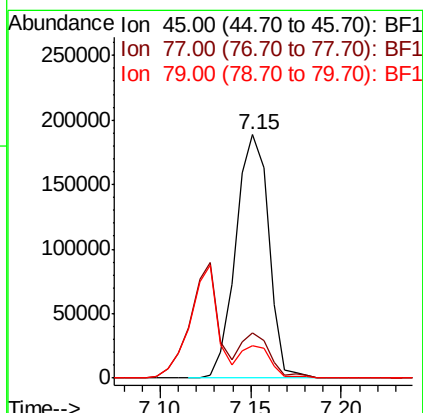
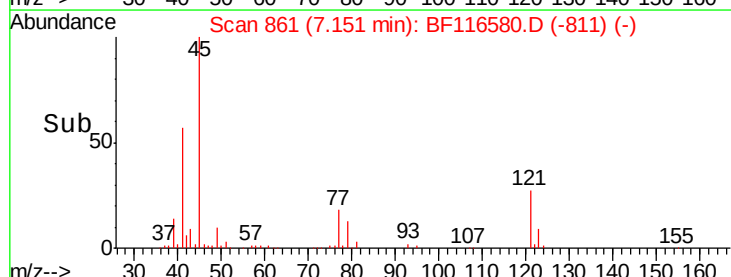
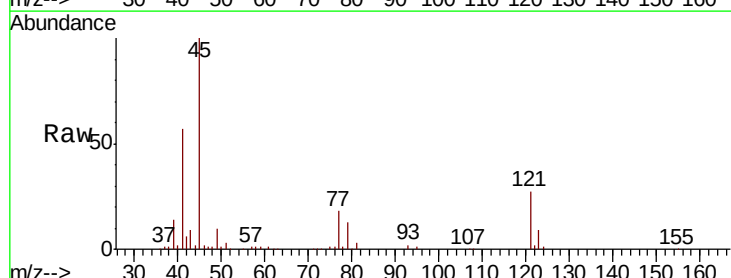
RT: 7.15 min Scan# 861

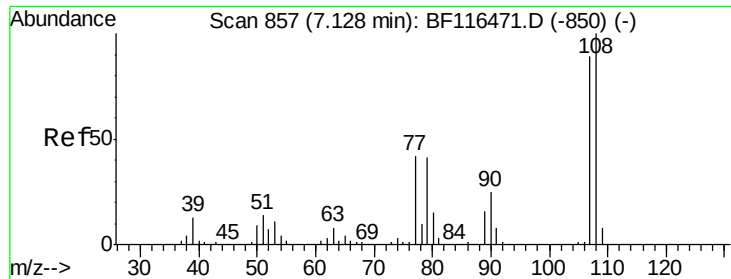
Delta R.T. -0.01 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

Tgt Ion:	45	Resp:	238615
Ion Ratio	Lower	Upper	
45	100		
77	18.5	0.0	36.1
79	13.2	0.0	32.3





#17
2-Methylphenol
Concen: 43.890 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

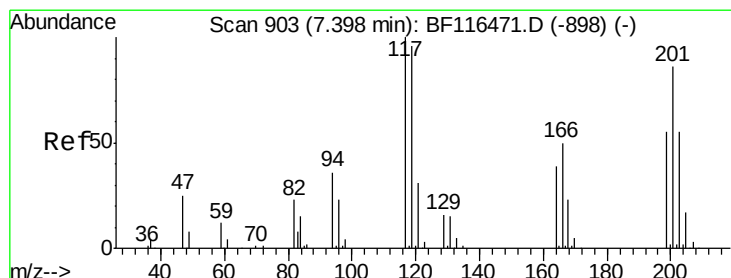
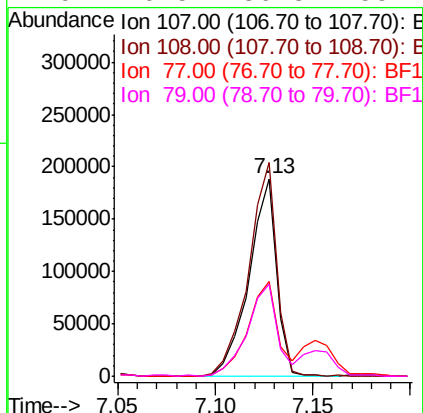
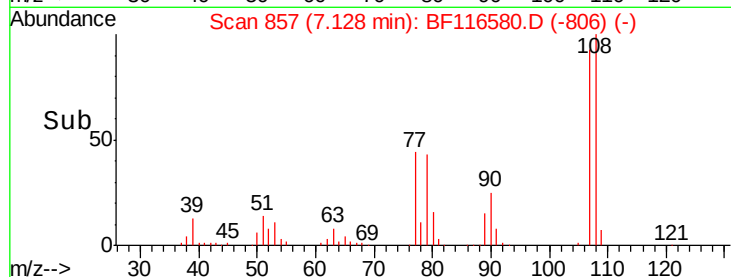
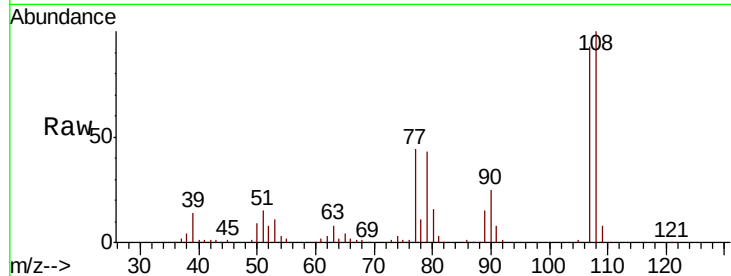
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	108.1	90.0	135.0	
77	47.7	37.6	56.4	
79	46.5	36.8	55.2	

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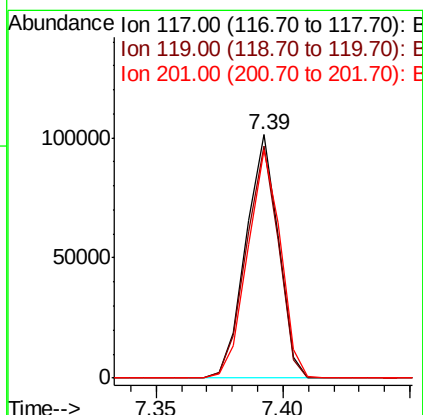
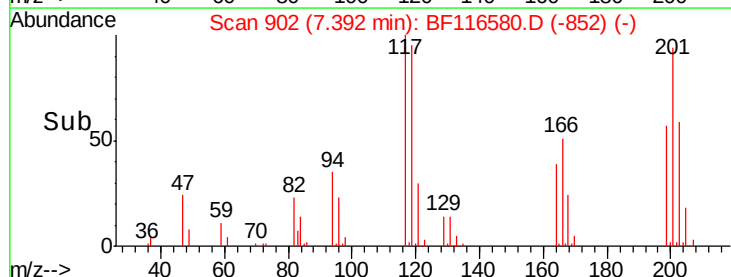
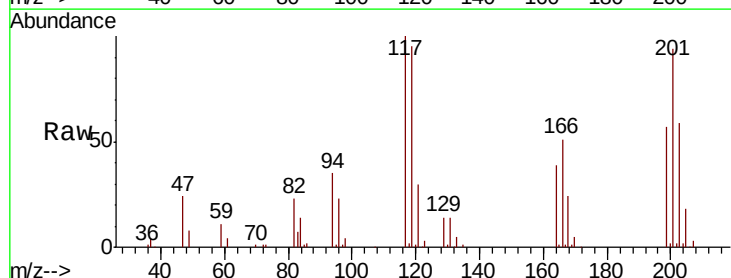
mohammad

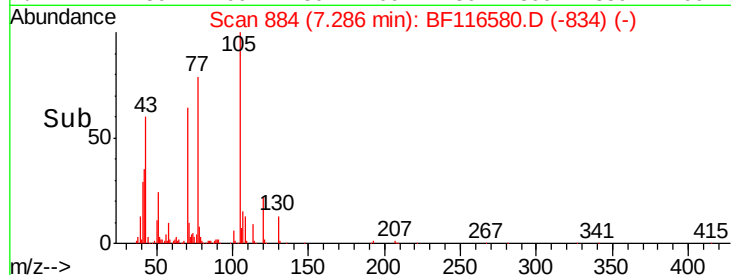
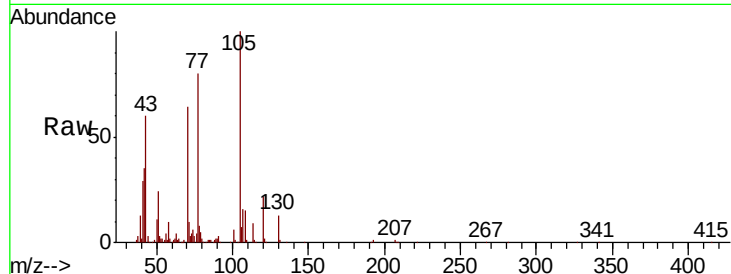
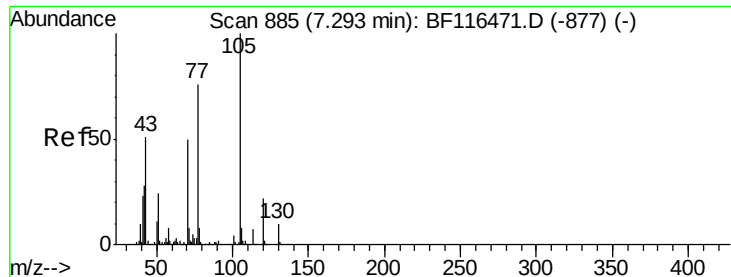
8/29/2019 7:54:42 AM



#18
Hexachloroethane
Concen: 43.607 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.2	77.0	115.6	
201	93.7	69.1	103.7	





#19
n-Nitroso-di-n-propylamine
Concen: 39.963 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

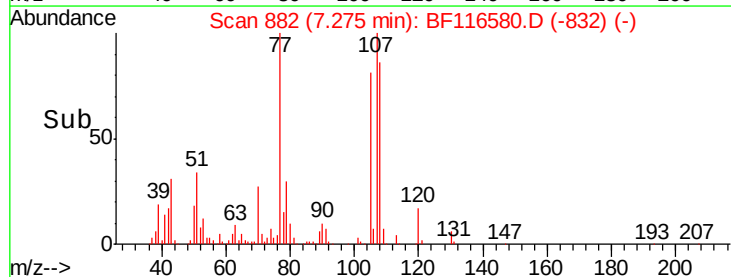
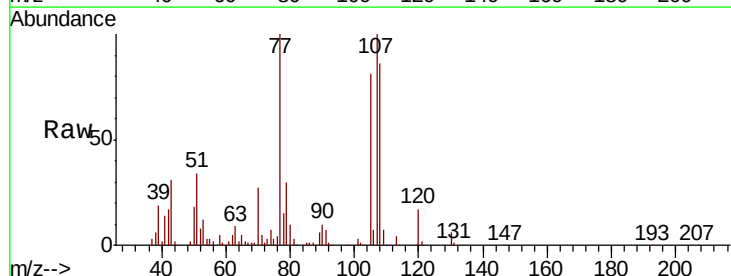
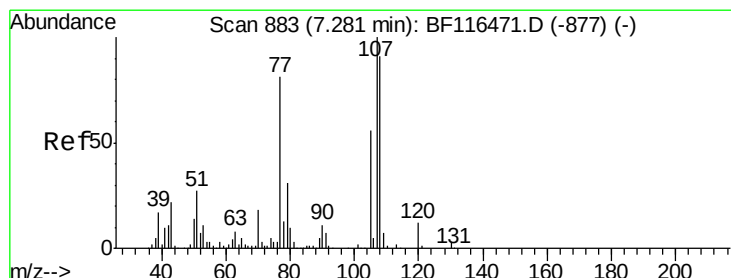
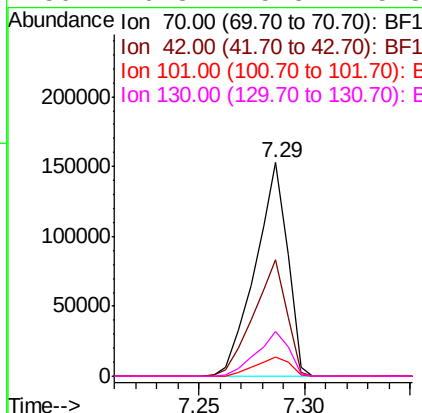
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		162668		
42	54.3	44.4	66.6		
101	9.3	7.1	10.7		
130	20.8	15.8	23.8		

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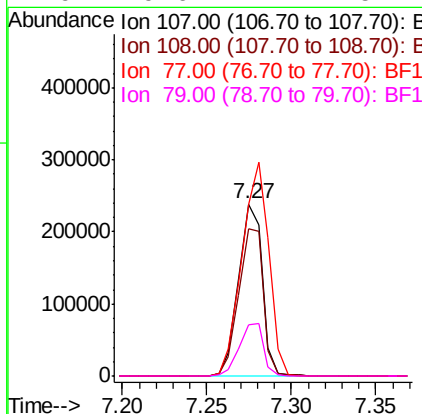
mohammad

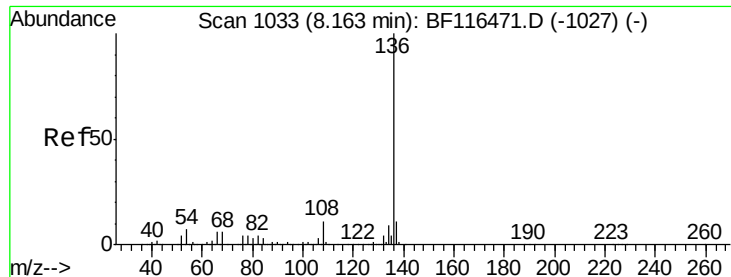
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#20
3+4-Methylphenols
Concen: 45.266 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		234559		
108	85.9	70.7	110.7		
77	100.1	60.6	100.6		
79	29.6	11.1	51.1		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

Instrument :

BNA_F

ClientSampleId :

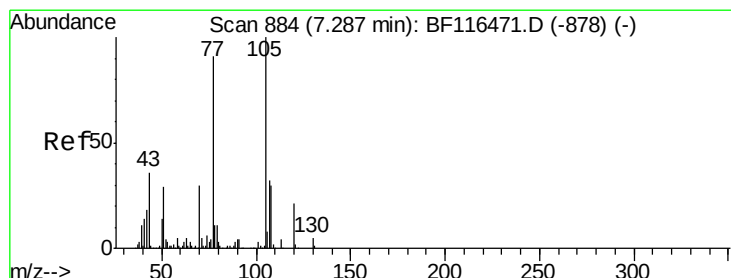
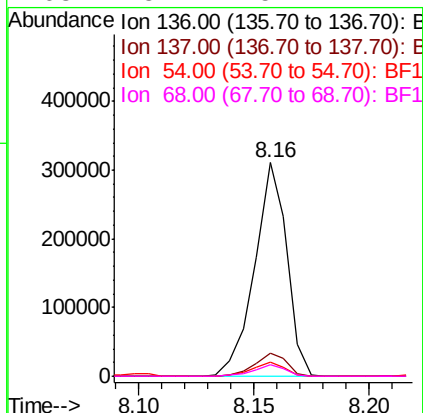
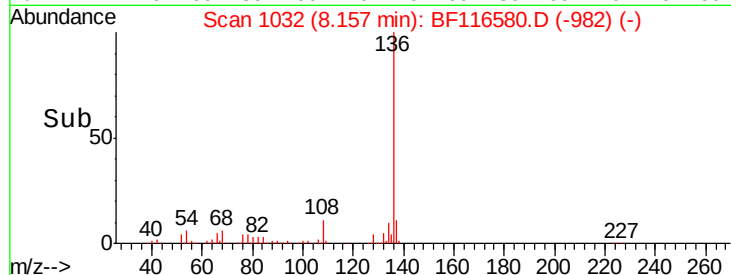
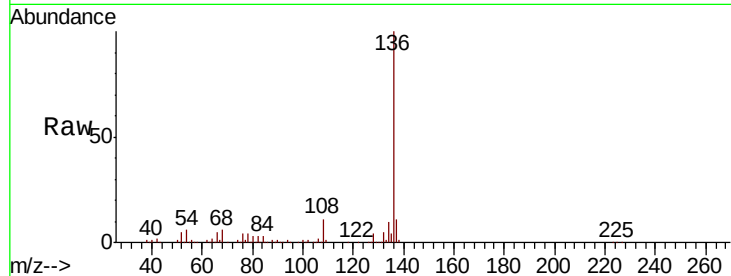
PB122218BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	9.0	13.4	
54	6.5	5.8	8.6	
68	5.7	5.1	7.7	

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#22

Acetophenone

Concen: 42.209 ng

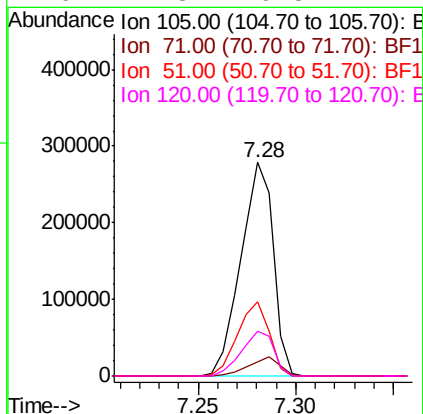
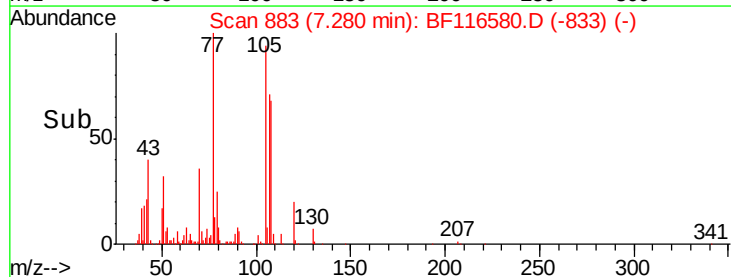
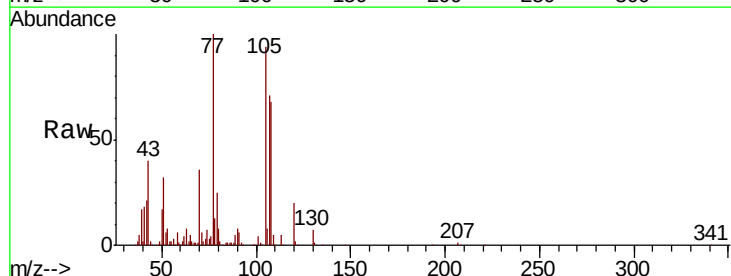
RT: 7.28 min Scan# 883

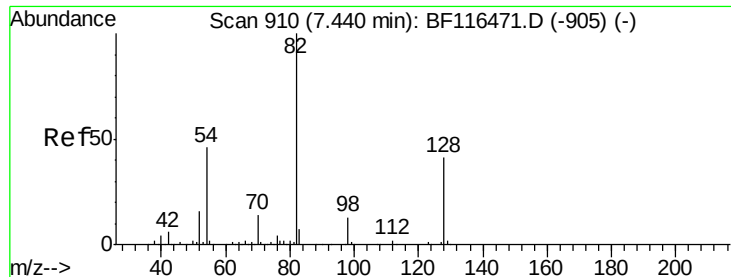
Delta R.T. -0.01 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.7	4.2	6.2#	
51	34.5	23.0	34.4#	
120	21.3	16.5	24.7	





#23
 Nitrobenzene-d5
 Concen: 68.475 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

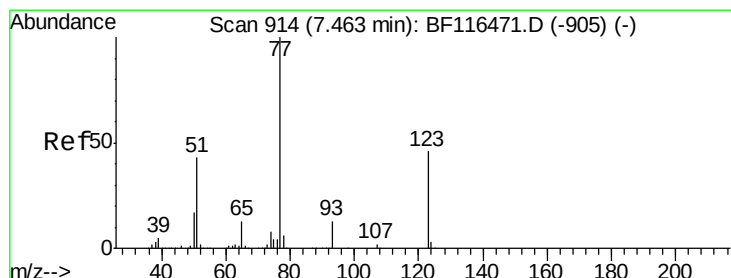
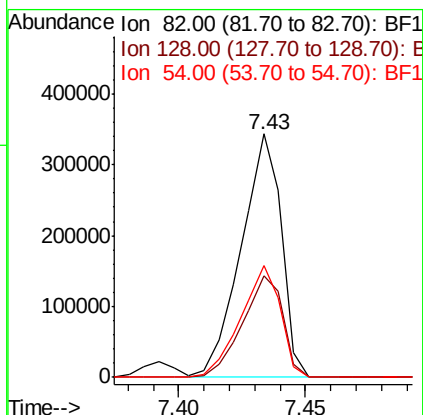
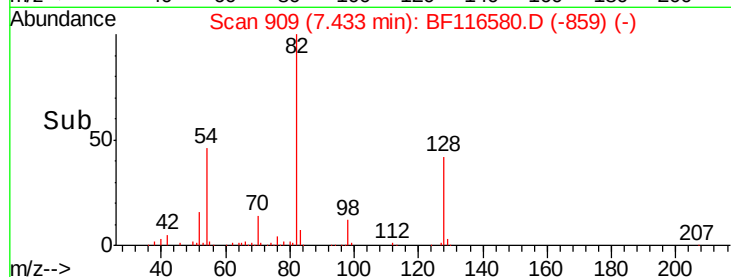
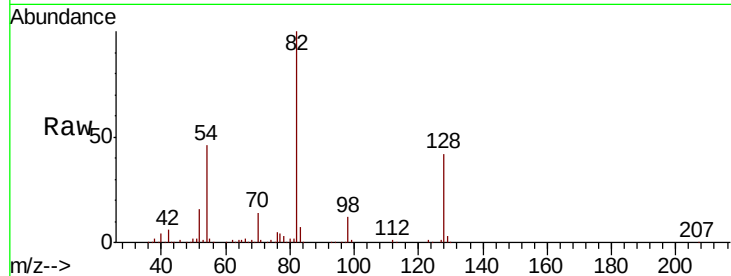
Instrument :
 BNA_F
 ClientSampleId :
 PB122218BSD

Tot Ion:	82	Resp:	379784
Ion Ratio	Lower	Upper	
82	100		
128	41.6	32.2	48.4
54	46.0	36.5	54.7

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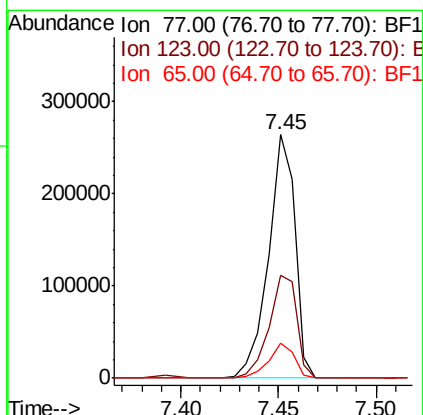
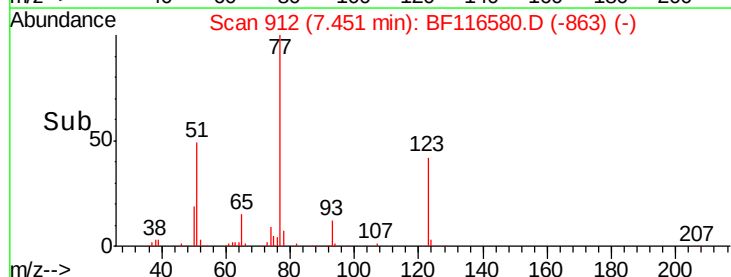
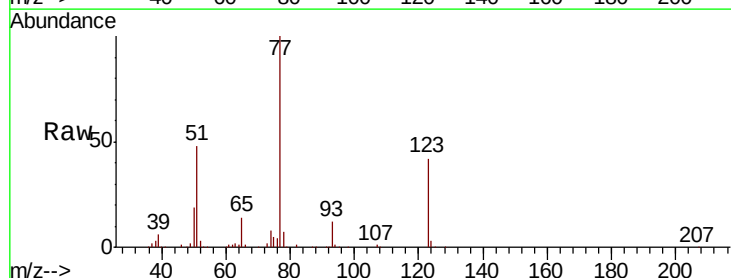
mohammad

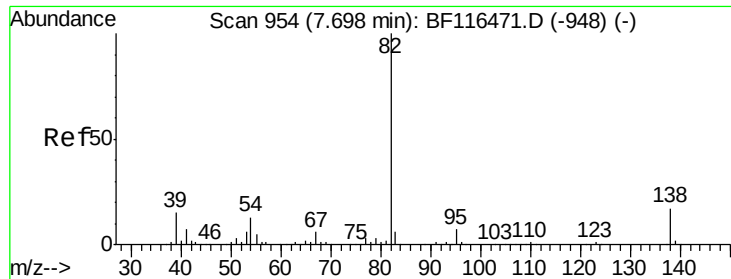
8/29/2019 7:54:42 AM



#24
 Nitrobenzene
 Concen: 43.390 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

Tgt Ion:	77	Resp:	249225
Ion Ratio	Lower	Upper	
77	100		
123	42.2	37.0	55.4
65	14.2	10.5	15.7





#25

Isophorone

Concen: 40.518 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

Instrument :

BNA_F

ClientSampleId :

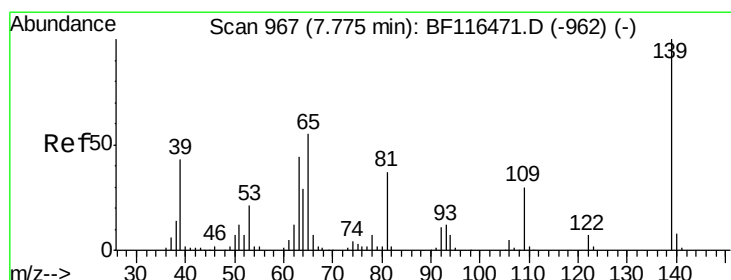
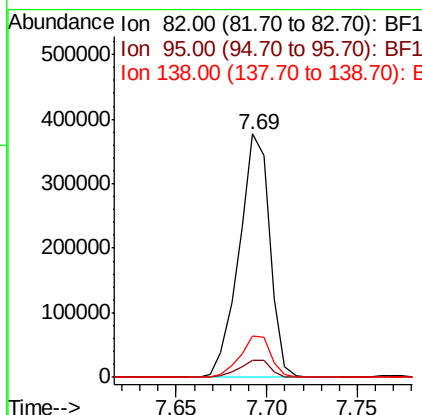
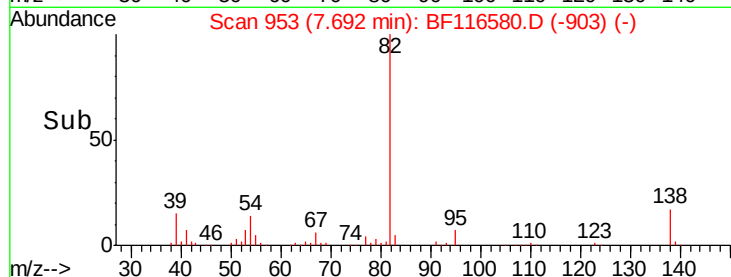
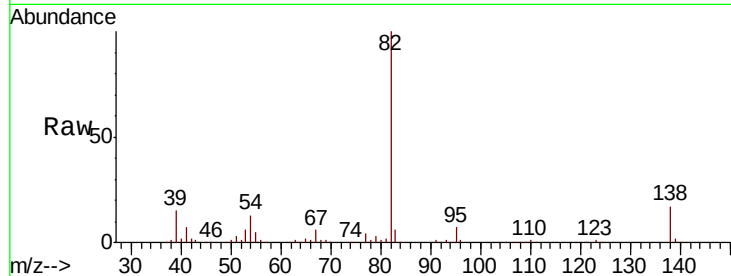
PB122218BSD

Tot Ion:	82	Resp:	442865
Ion Ratio		Lower	Upper
82	100		
95	7.0	5.3	7.9
138	16.8	13.3	19.9

Manual Integrations
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#26

2-Nitrophenol

Concen: 55.050 ng

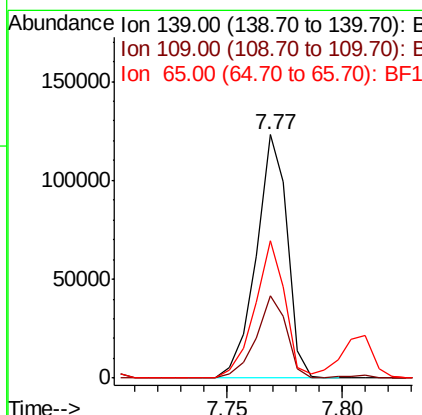
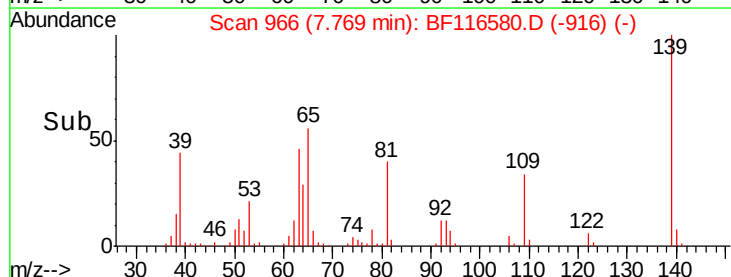
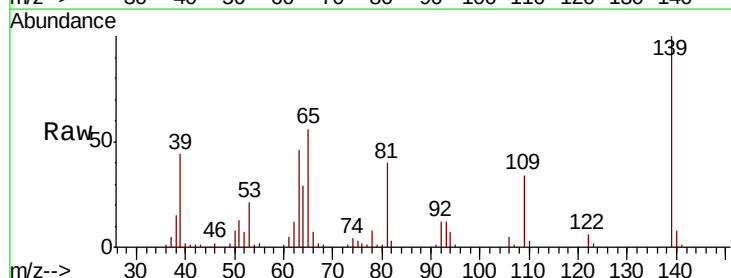
RT: 7.77 min Scan# 966

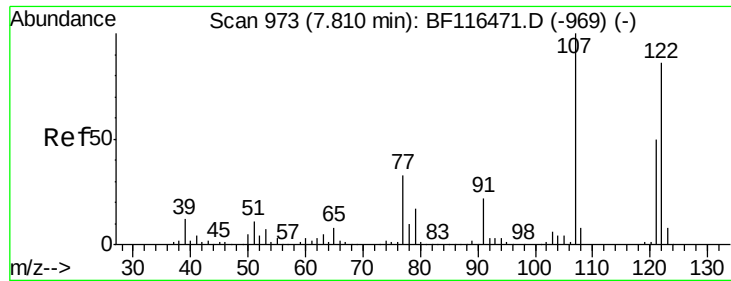
Delta R.T. -0.01 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

Tgt Ion:	139	Resp:	115497
Ion Ratio		Lower	Upper
139	100		
109	33.9	24.3	36.5
65	56.2	44.0	66.0





#27
 2,4-Dimethylphenol
 Concen: 45.051 ng
 RT: 7.81 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

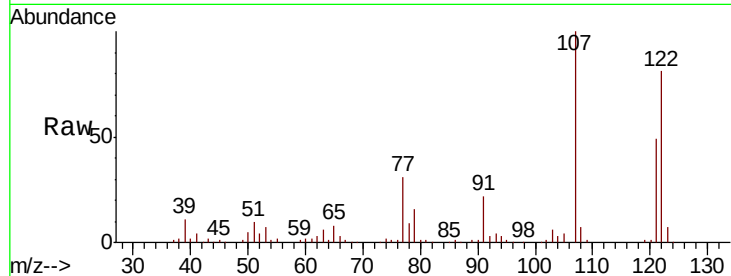
Instrument :
 BNA_F
 ClientSampleId :
 PB122218BSD

Tot Ion:	122	Resp:	197219
Ion Ratio	Lower	Upper	
122	100		
107	123.3	92.4	138.6
121	59.8	46.2	69.4

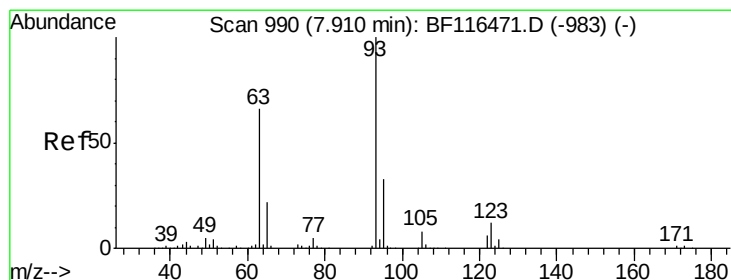
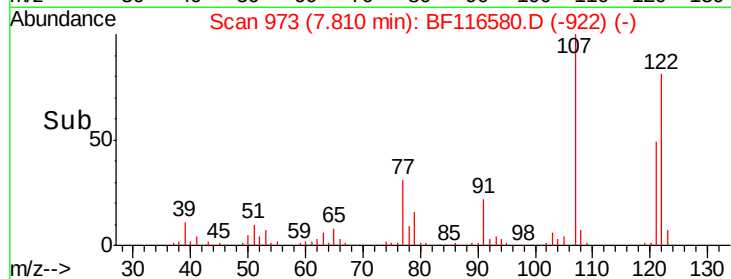
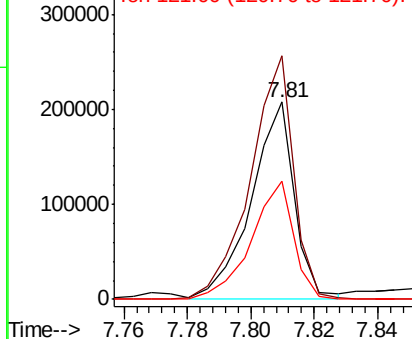
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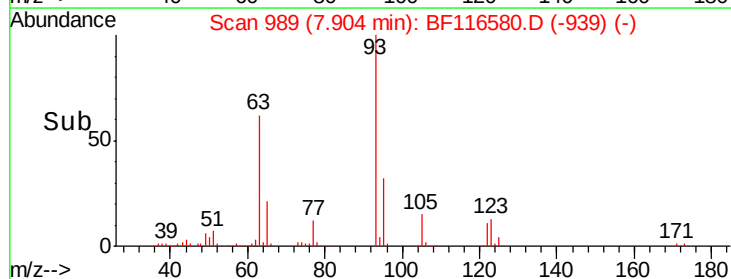
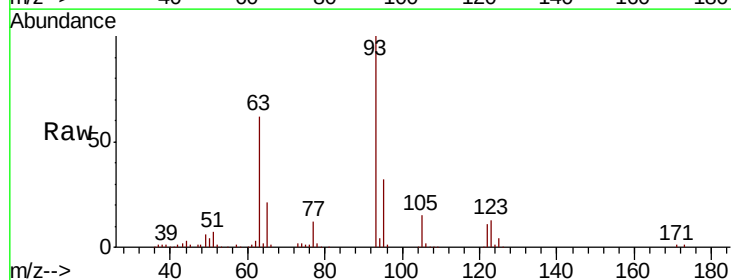
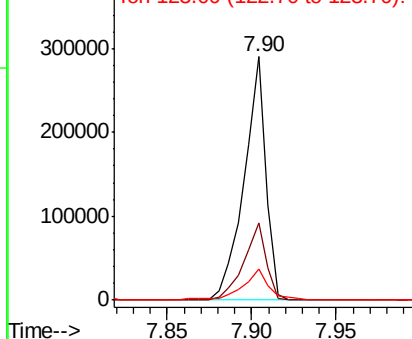
Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

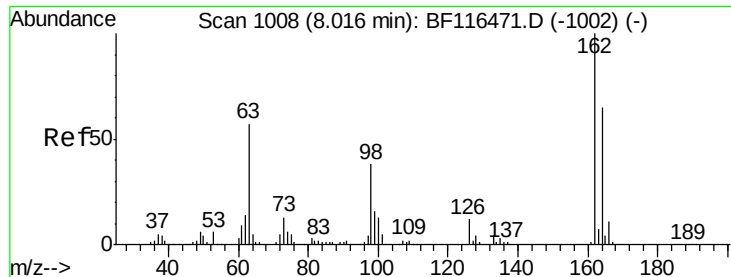


#28
 bis(2-Chloroethoxy)methane
 Concen: 38.955 ng
 RT: 7.90 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

Tgt Ion:	93	Resp:	262939
Ion Ratio	Lower	Upper	
93	100		
95	31.8	26.3	39.5
123	12.5	9.8	14.6

Abundance Ion 93.00 (92.70 to 93.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 123.00 (122.70 to 123.70): E





#29
2,4-Dichlorophenol
Concen: 45.007 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

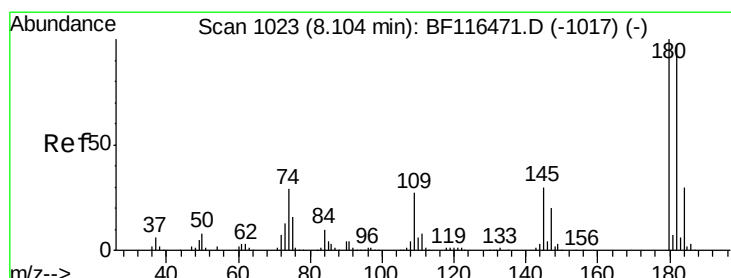
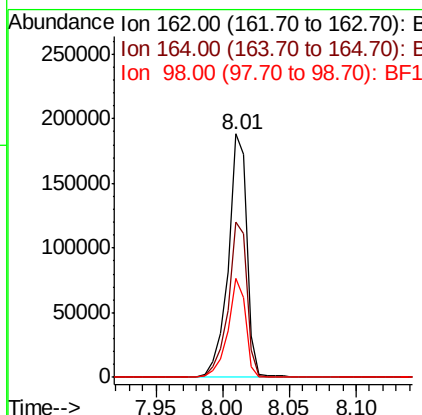
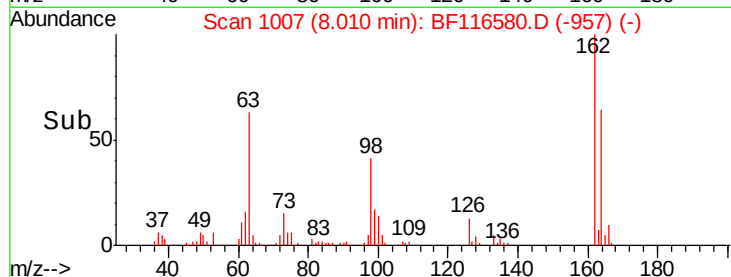
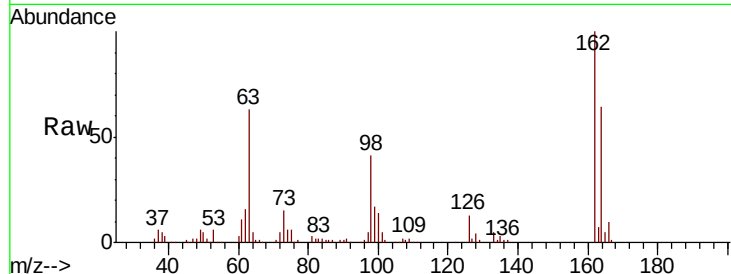
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	187370		
164	63.7	44.9	84.9	
98	40.6	17.9	57.9	

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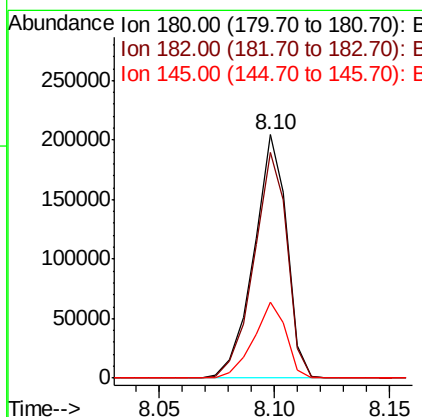
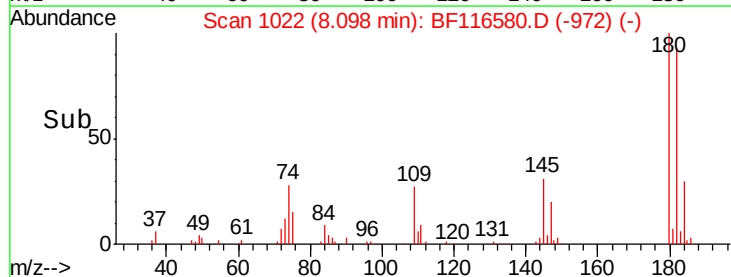
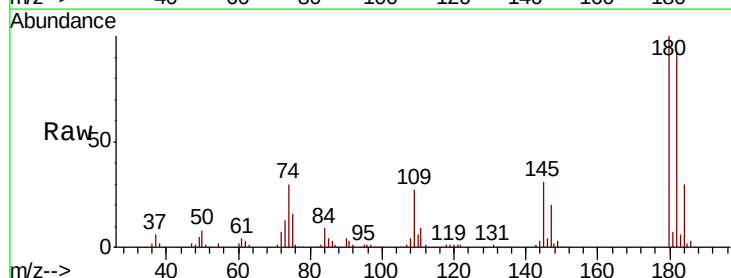
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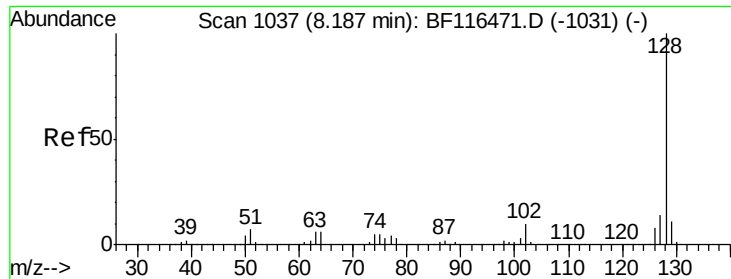
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#30
1,2,4-Trichlorobenzene
Concen: 43.182 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	202386		
182	92.9	77.4	116.0	
145	31.4	24.3	36.5	





#31
Naphthalene
Concen: 44.674 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

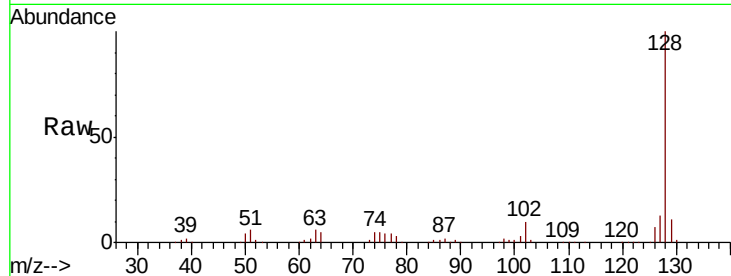
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.5	10.9	16.3

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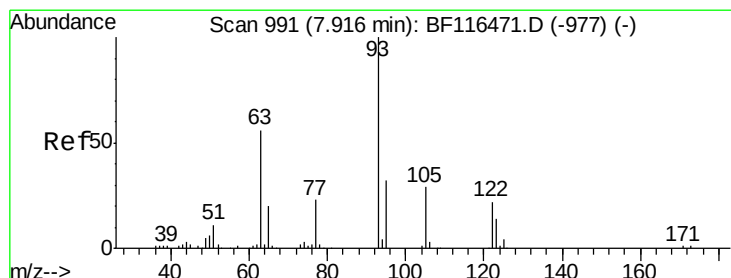
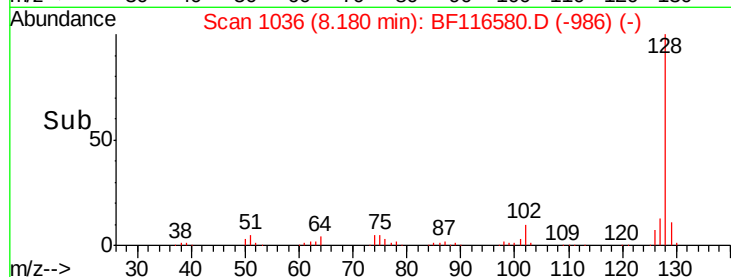
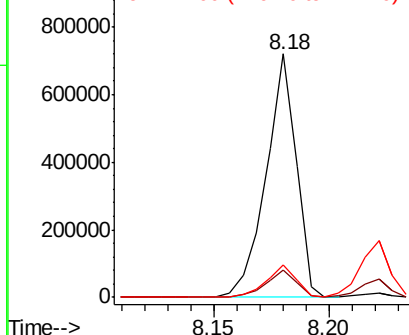


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 48.594 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

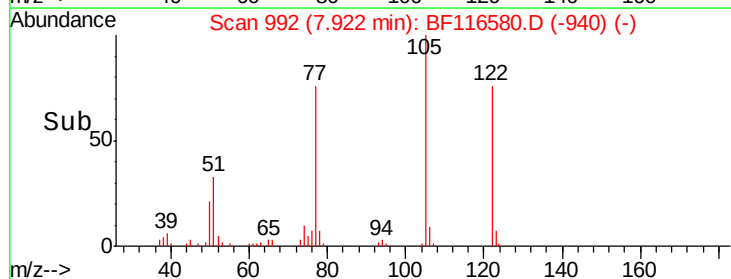
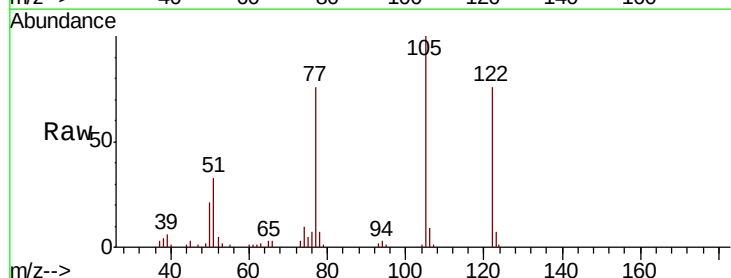
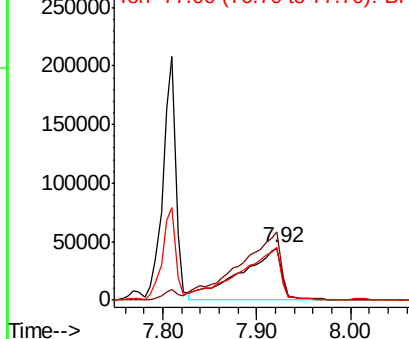
Tgt Ion	Ratio	Lower	Upper
122	100		
105	131.4	109.9	149.9
77	100.2	84.9	124.9

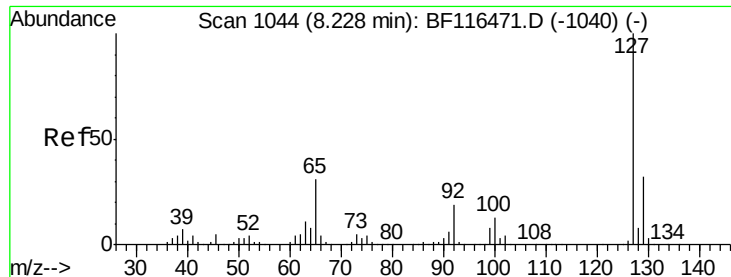
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33
4-Chloroaniline
Concen: 23.315 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

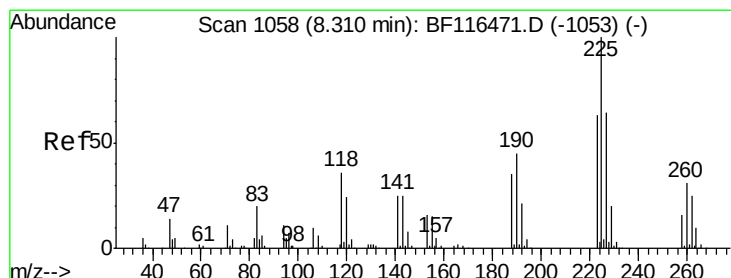
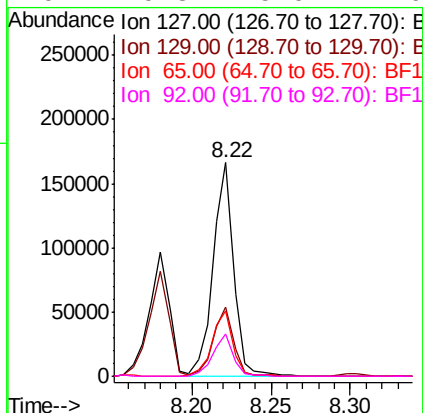
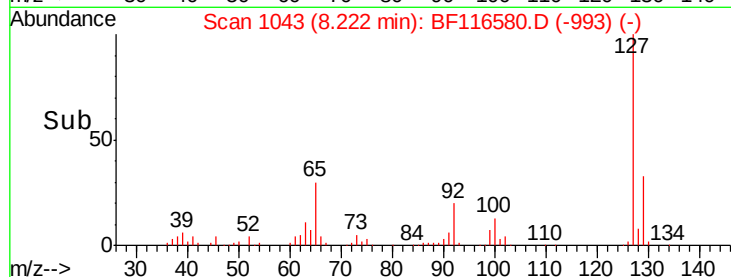
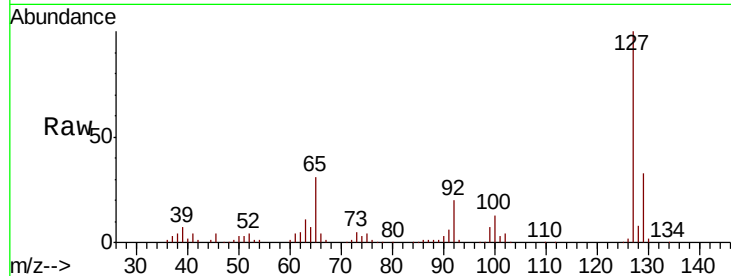
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.6	25.7	38.5		
65	30.8	25.0	37.6		
92	19.8	15.0	22.6		

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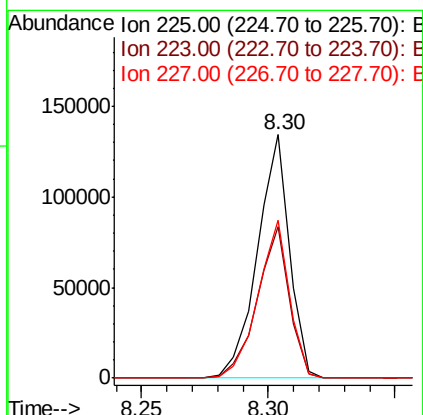
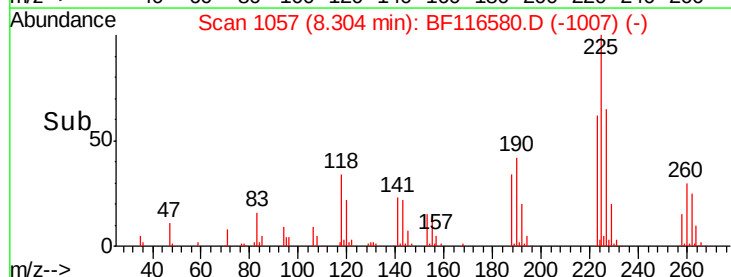
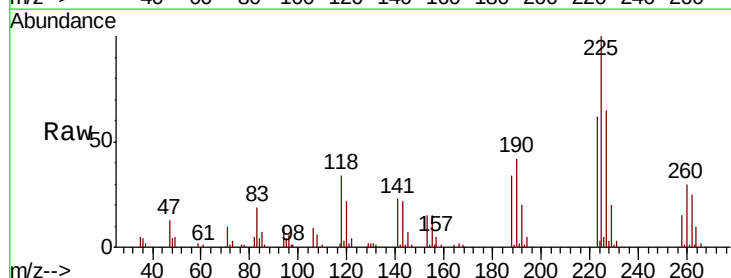
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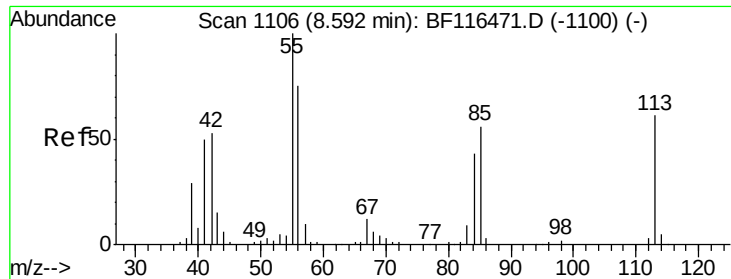
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#34
Hexachlorobutadiene
Concen: 45.939 ng
RT: 8.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.2	50.3	75.5		
227	65.0	51.0	76.4		





#35
Caprolactam
Concen: 48.816 ng/ml
RT: 8.58 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

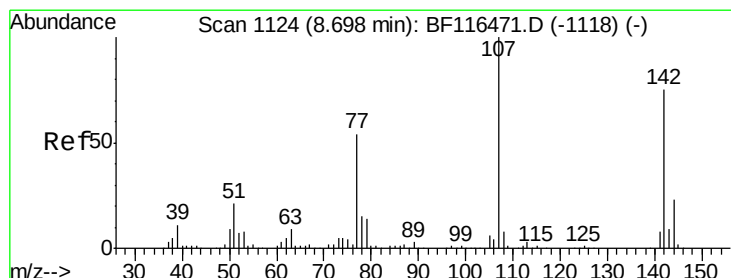
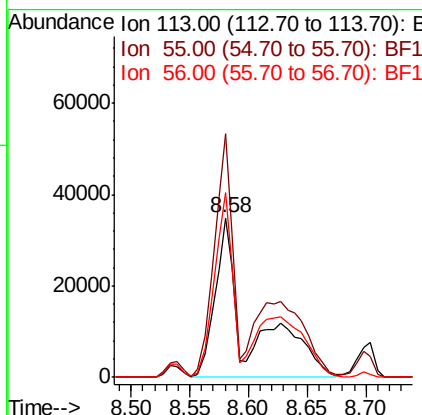
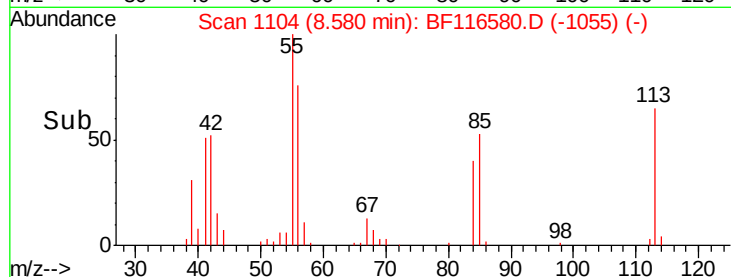
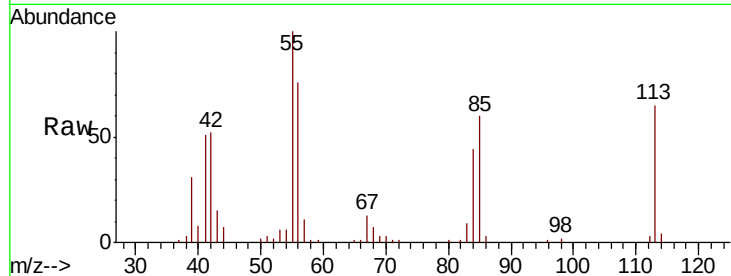
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	152.7	143.6	183.6
56	116.0	102.3	142.3

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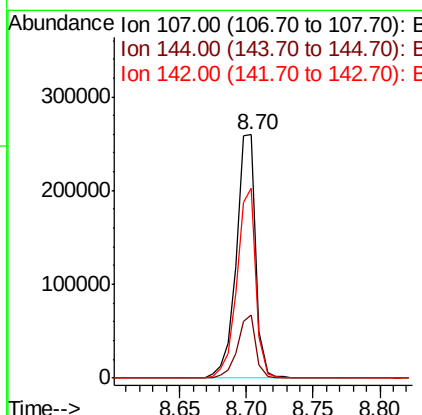
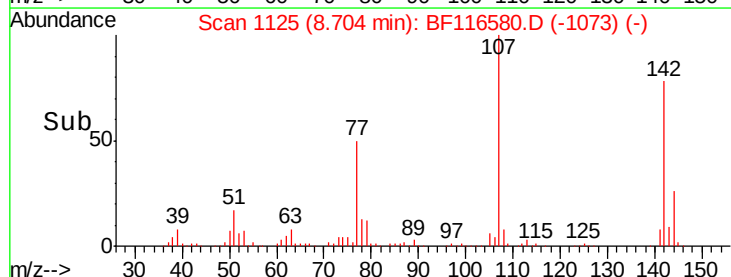
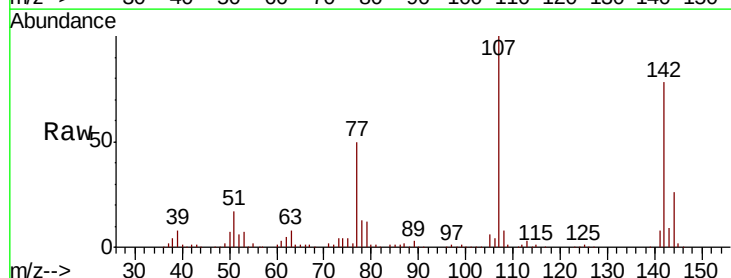
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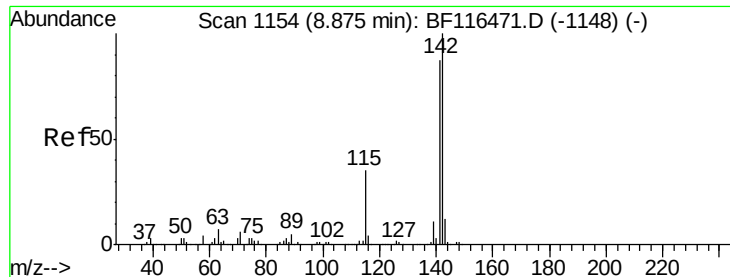
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#36
4-Chloro-3-methylphenol
Concen: 56.608 ng/ml
RT: 8.70 min Scan# 1125
Delta R.T. 0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.1	18.8	28.2
142	78.2	59.8	89.6





#37
2-Methylnaphthalene
Concen: 56.128 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

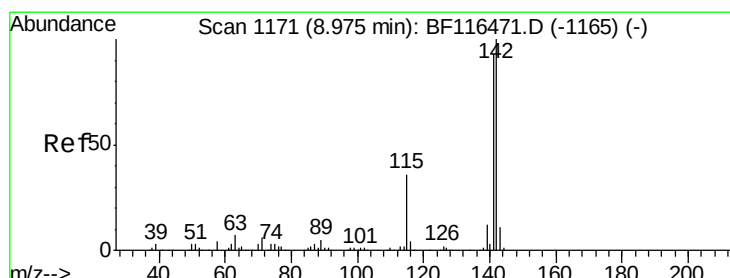
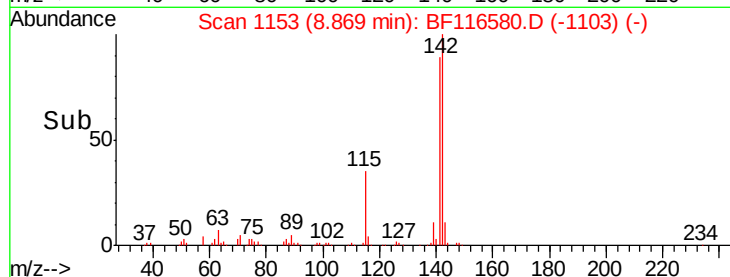
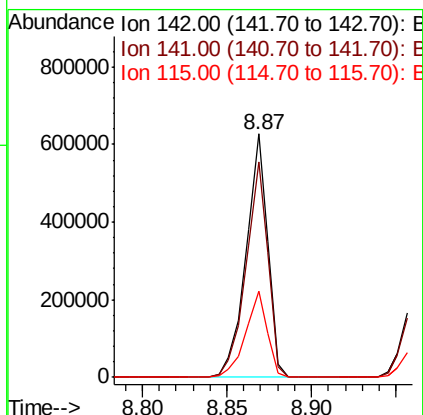
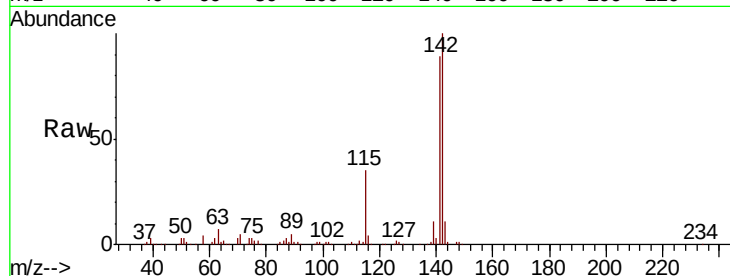
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	69.8	104.6
115	35.4	27.7	41.5

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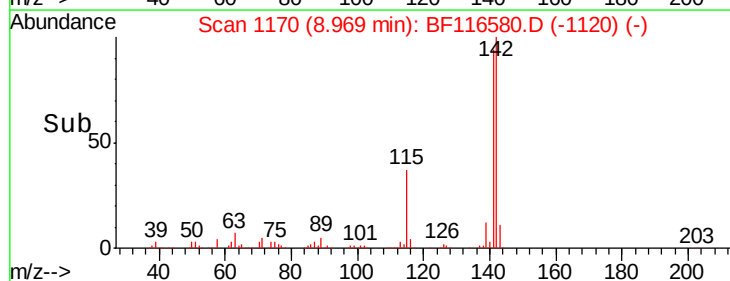
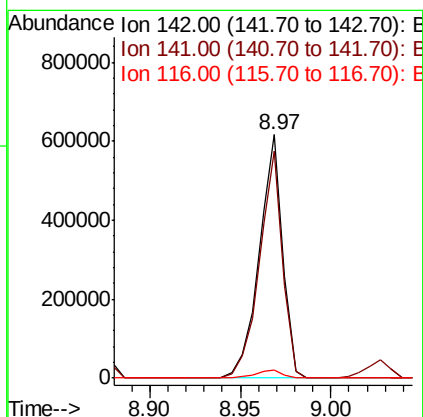
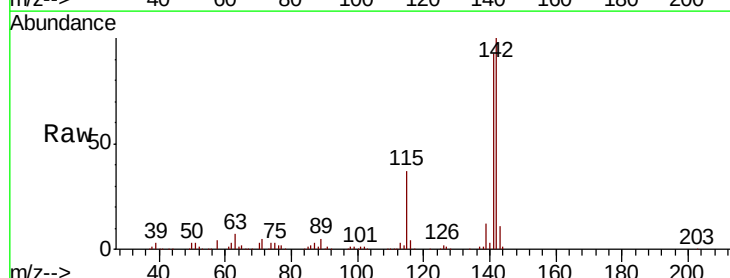
mohammad

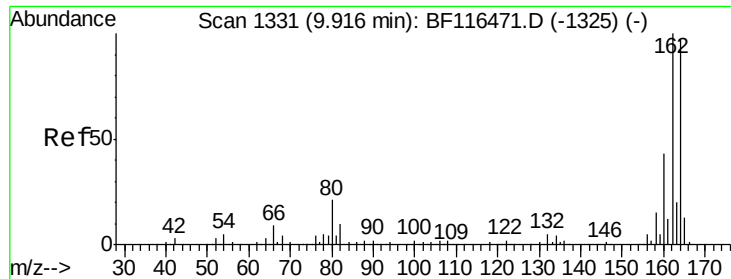
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#38
1-Methylnaphthalene
Concen: 58.529 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.2	111.2
116	3.6	2.9	4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

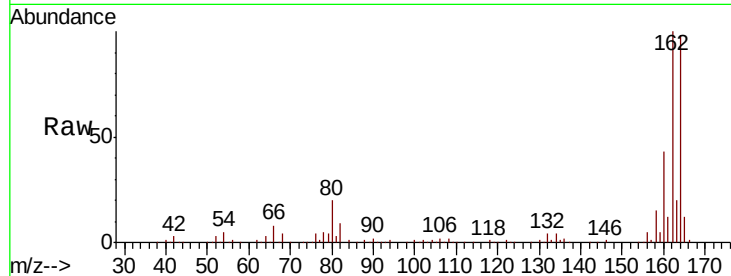
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	82.6	123.8	
160	43.8	35.8	53.8	

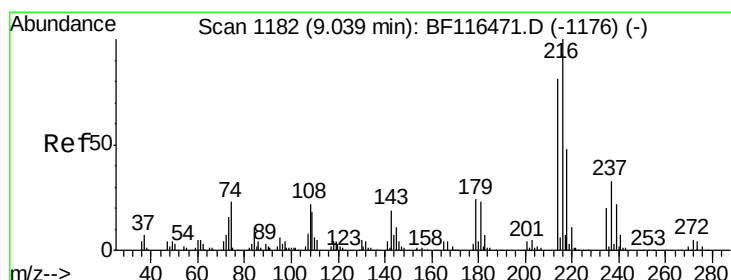
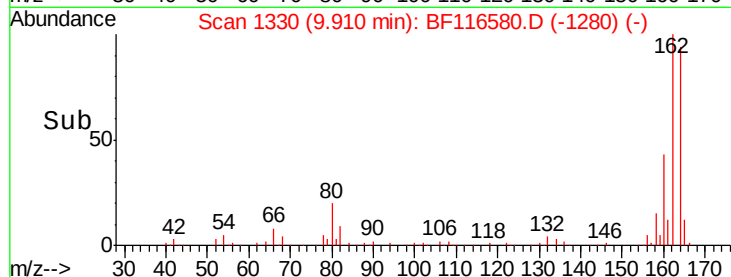
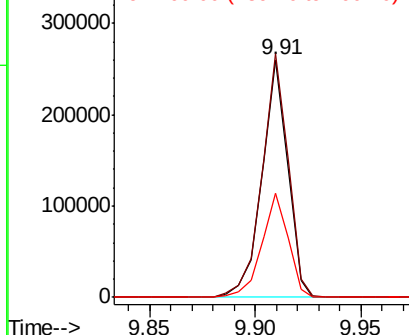
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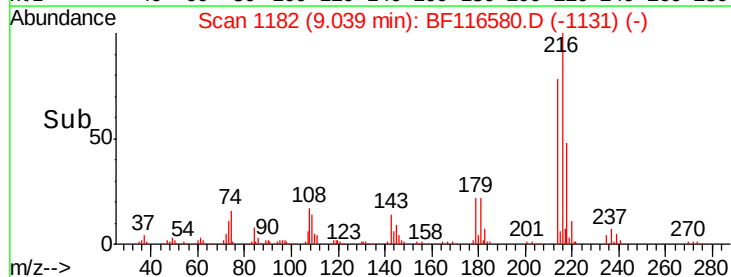
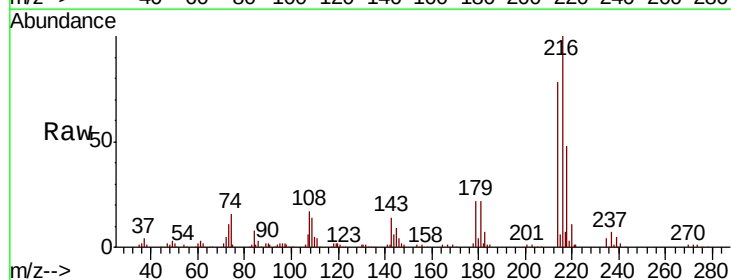
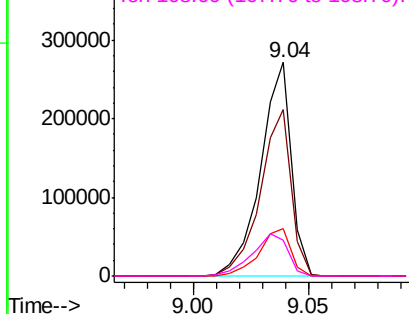
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

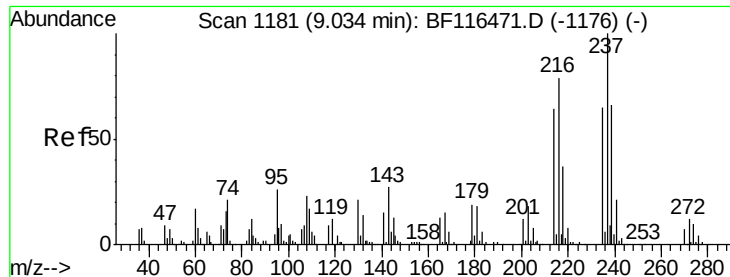


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.050 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.7	63.8	95.8	
179	23.3	18.5	27.7	
108	23.1	17.3	25.9	

Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41
Hexachlorocyclopentadiene
Concen: 99.700 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

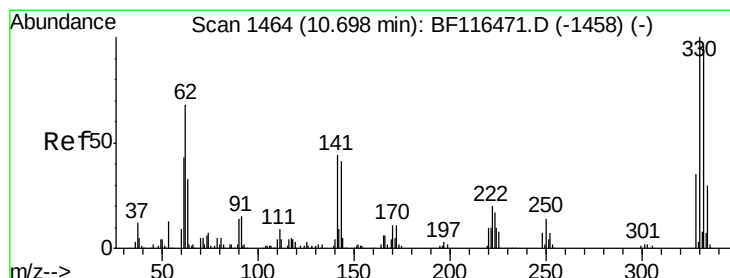
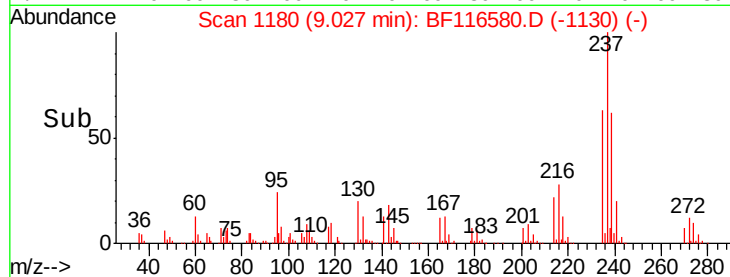
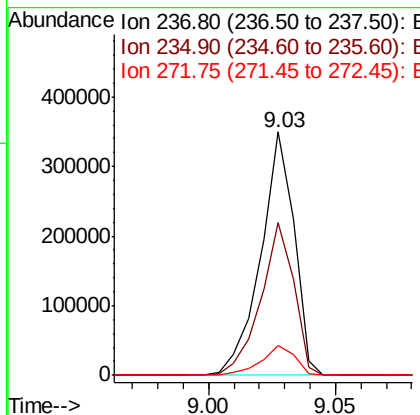
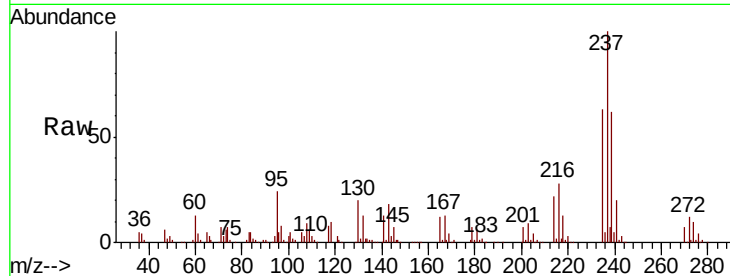
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion:	237	Resp:	320143
Ion Ratio	Lower	Upper	
237	100		
235	62.8	44.8	84.8
272	12.5	0.0	32.5

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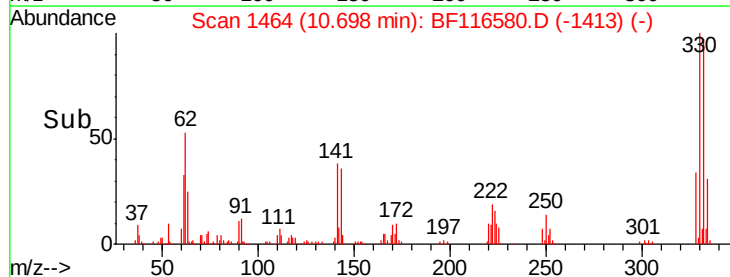
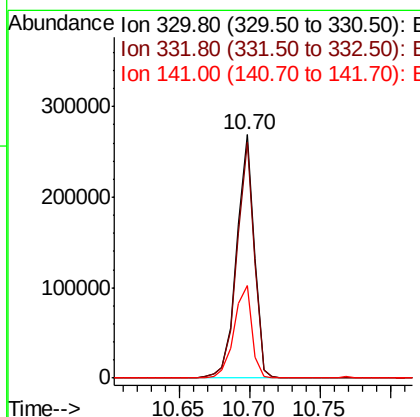
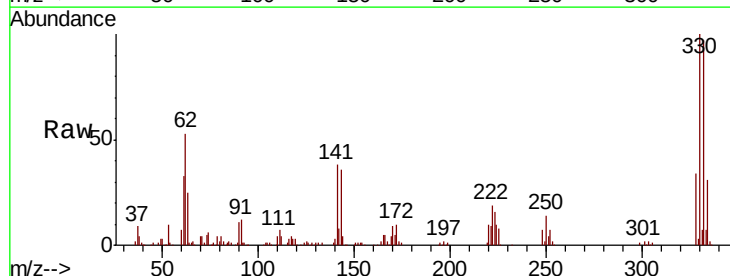
mohammad

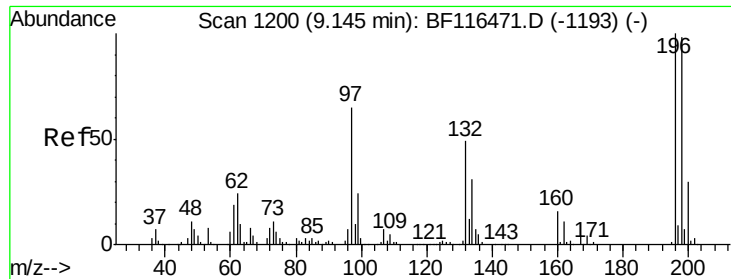
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#42
2,4,6-Tribromophenol
Concen: 122.278 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.00 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion:	330	Resp:	232913
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.2	115.8
141	38.9	33.3	49.9





#43
 2,4,6-Trichlorophenol
 Concen: 43.110 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

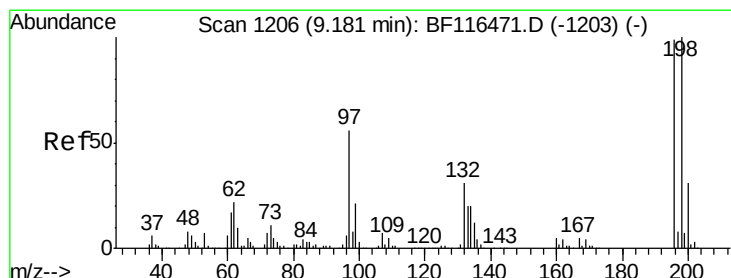
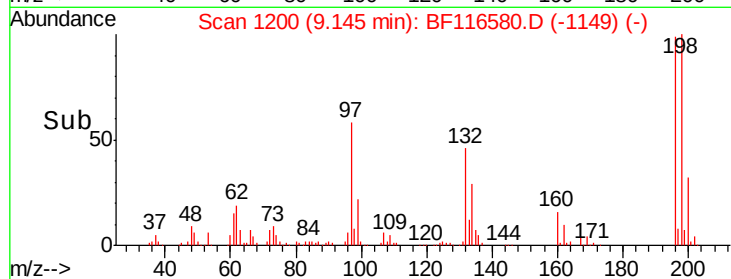
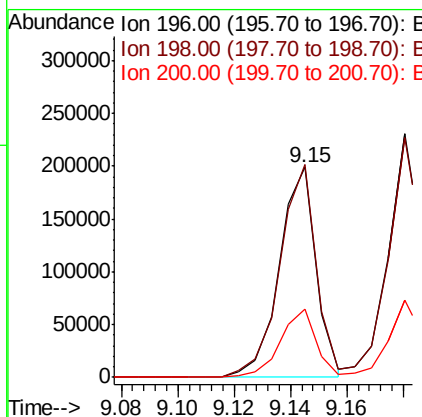
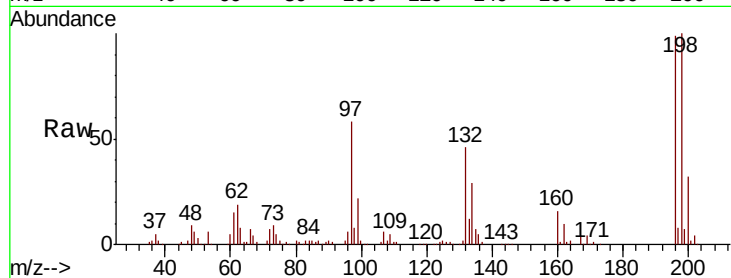
Instrument :
 BNA_F
 ClientSampleId :
 PB122218BSD

Tot Ion:	196	Resp:	180068
Ion Ratio	Lower	Upper	
196	100		
198	101.1	78.0	117.0
200	32.2	24.2	36.2

Manual Integrations
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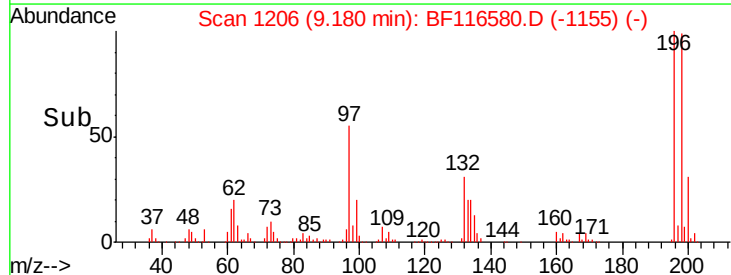
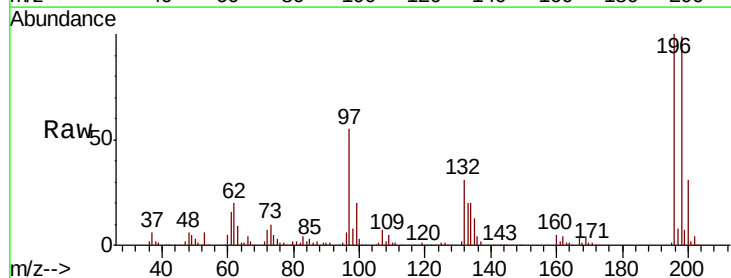
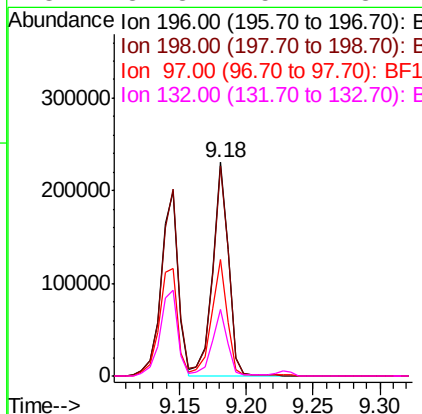
mohammad

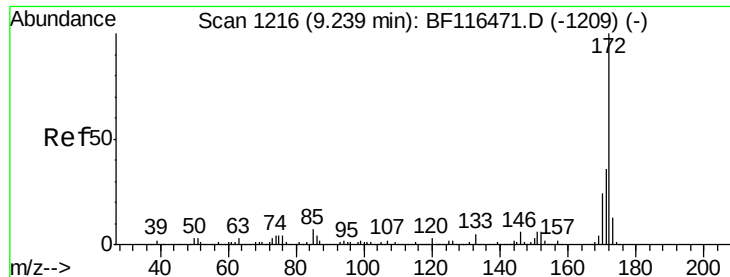
8/29/2019 7:54:42 AM



#44
 2,4,5-Trichlorophenol
 Concen: 45.681 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

Tgt Ion:	196	Resp:	194150
Ion Ratio	Lower	Upper	
196	100		
198	98.5	80.8	121.2
97	54.8	45.7	68.5
132	31.3	25.1	37.7





#45
2-Fluorobiphenyl
Concen: 68.764 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

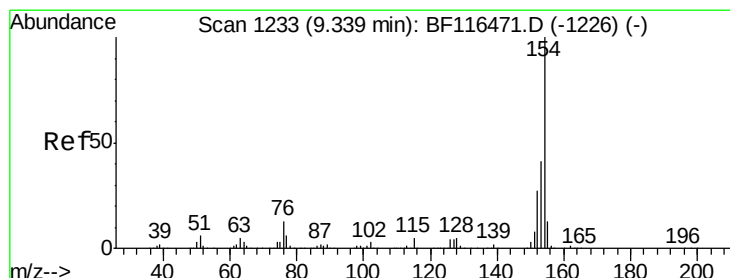
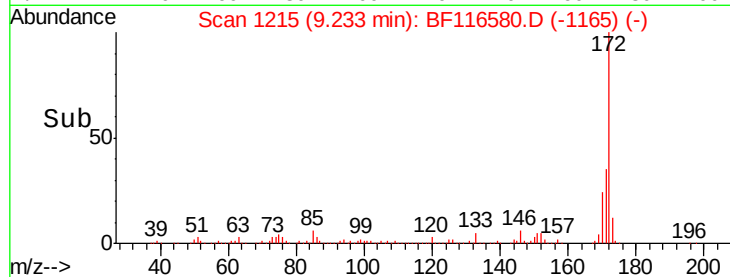
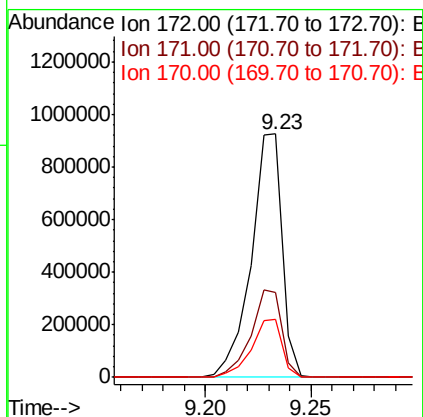
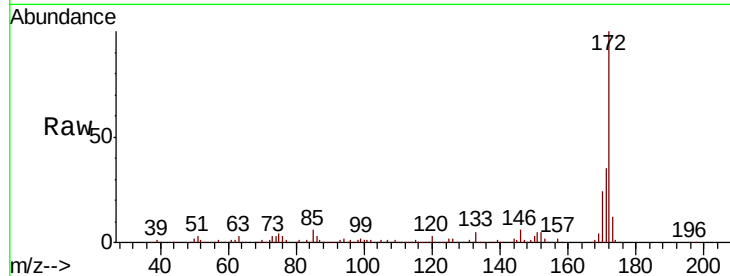
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion:172	Resp:	947210
Ion Ratio	Lower	Upper
172	100	
171	35.1	28.9 43.3
170	23.7	19.4 29.0

Manual Integrations
APPROVED

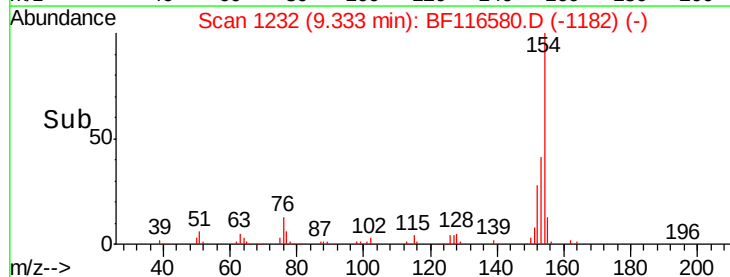
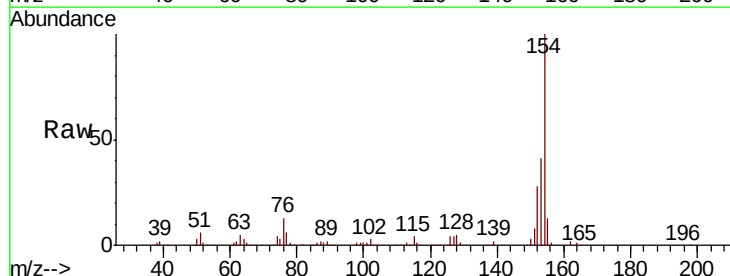
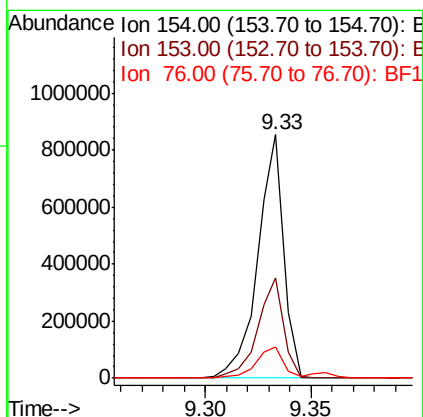
mohammad

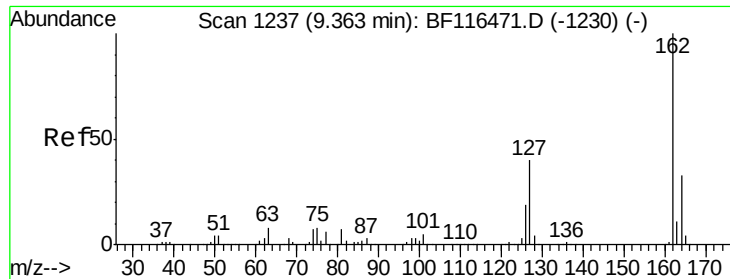
8/29/2019 7:54:42 AM



#46
1,1'-Biphenyl
Concen: 41.020 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion:154	Resp:	727519
Ion Ratio	Lower	Upper
154	100	
153	41.3	21.3 61.3
76	12.9	0.0 32.9





#47
 2-Chloronaphthalene
 Concen: 41.381 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

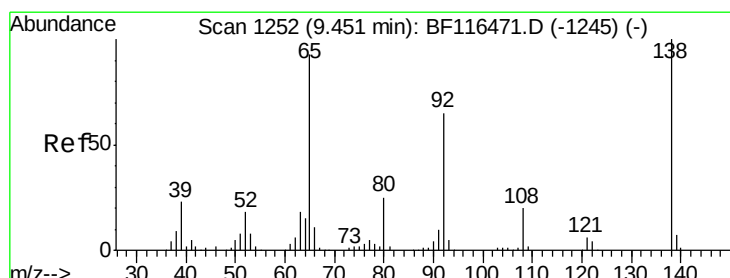
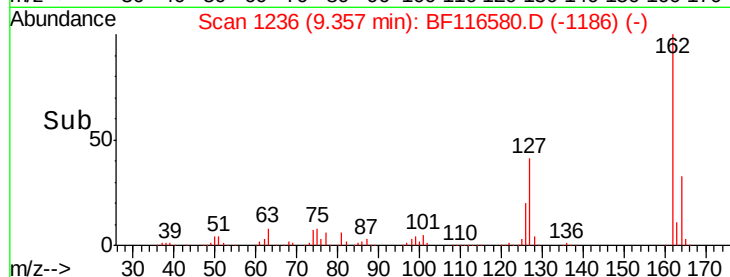
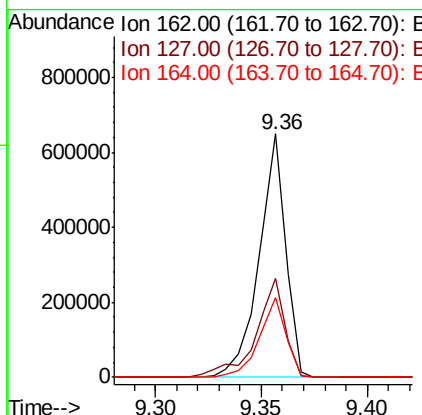
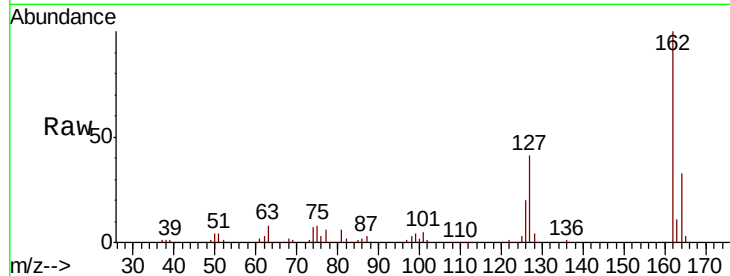
Instrument :
 BNA_F
 ClientSampleId :
 PB122218BSD

Tot Ion:	162	Resp:	568972
Ion Ratio	Lower	Upper	
162	100		
127	40.6	32.5	48.7
164	32.8	26.7	40.1

Manual Integrations
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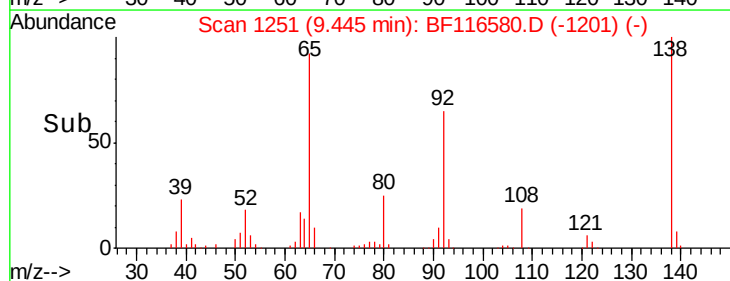
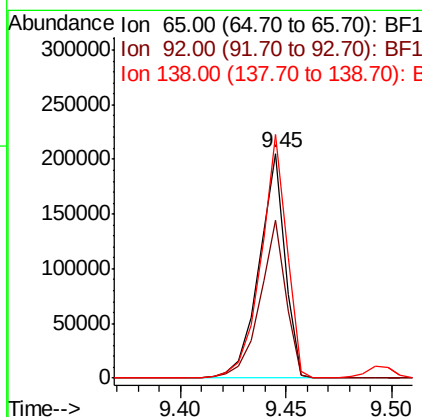
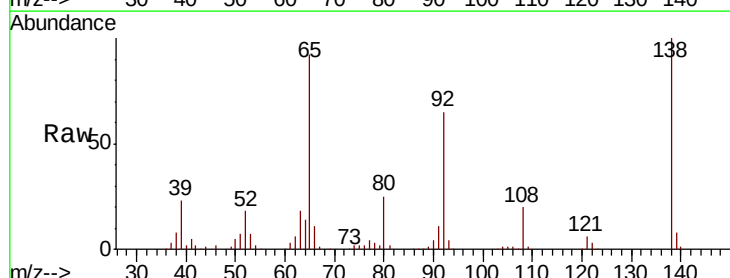
mohammad

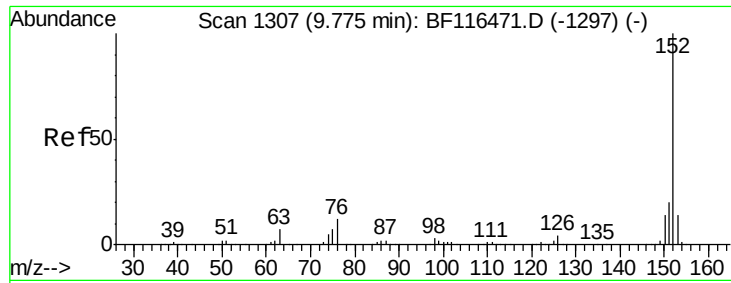
8/29/2019 7:54:42 AM



#48
 2-Nitroaniline
 Concen: 41.772 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

Tgt Ion:	65	Resp:	175856
Ion Ratio	Lower	Upper	
65	100		
92	70.3	56.2	84.2
138	108.3	86.0	129.0





#49

Acenaphthylene

Concen: 43.676 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

Instrument :

BNA_F

ClientSampleId :

PB122218BSD

Tot Ion:152 Resp: 878605
Ion Ratio Lower Upper

152 100

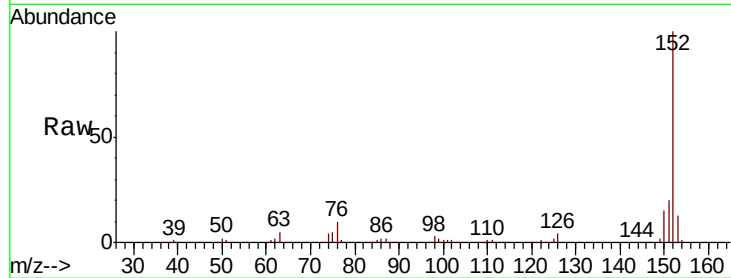
151 20.5 16.1 24.1

153 13.1 11.4 17.0

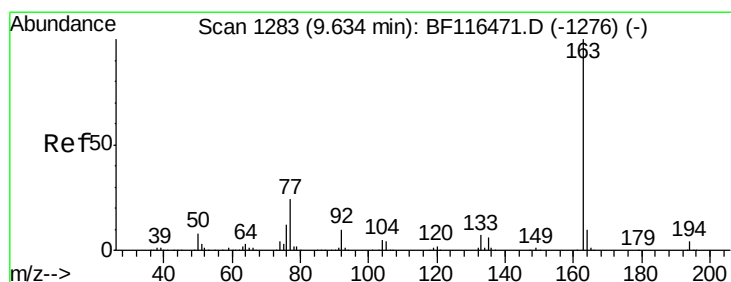
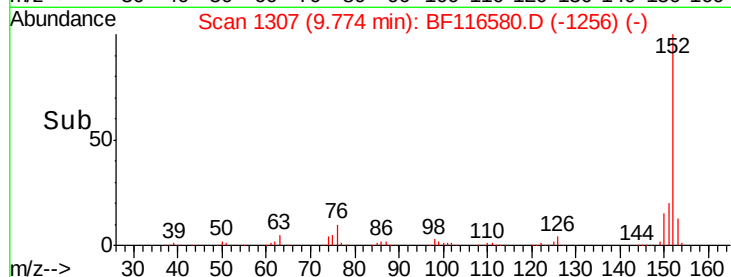
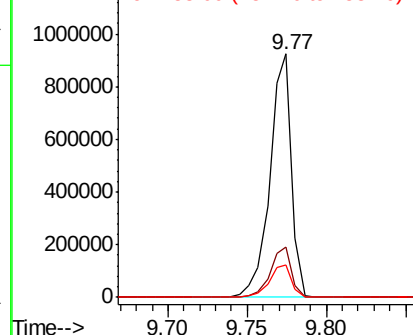
Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 42.461 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF116580.D

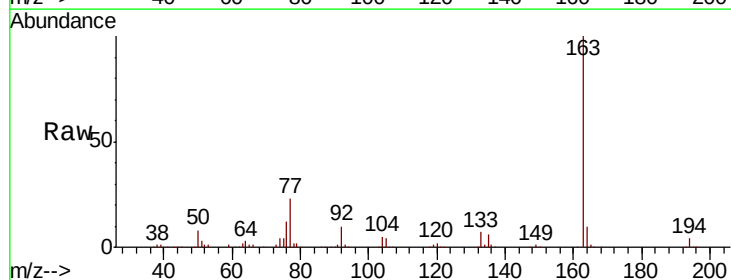
Acq: 27 Aug 2019 12:56

Tgt Ion:163 Resp: 657174
Ion Ratio Lower Upper

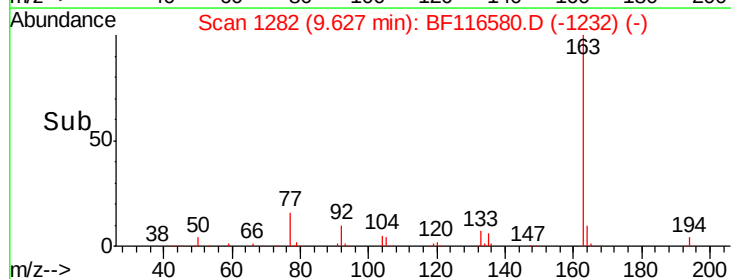
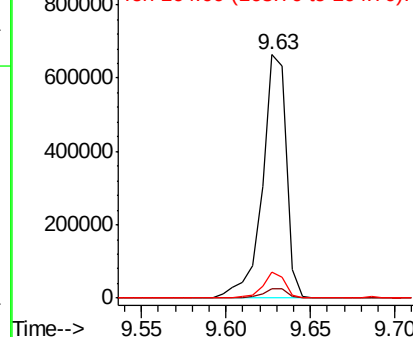
163 100

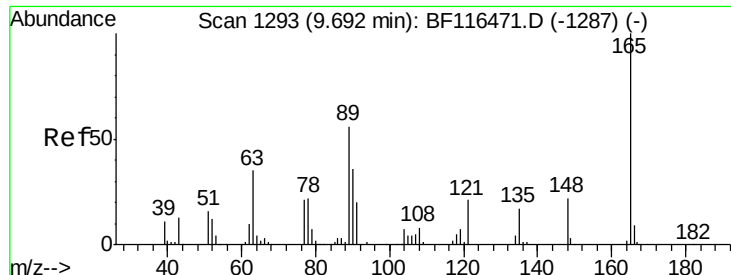
194 3.7 2.9 4.3

164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51
 2,6-Dinitrotoluene
 Concen: 46.390 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

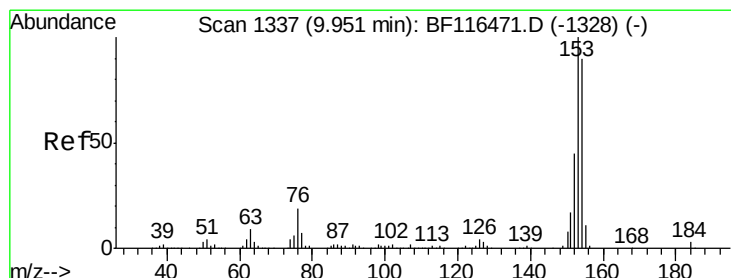
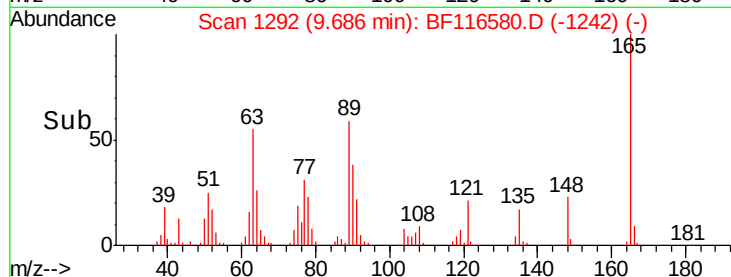
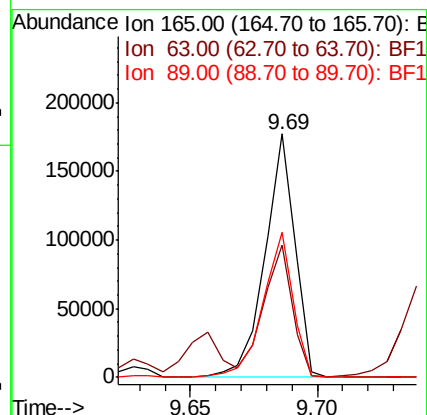
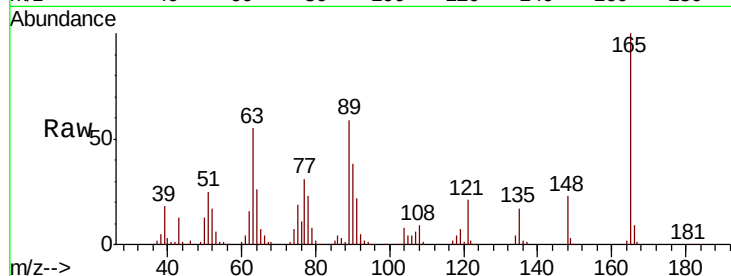
Instrument :
 BNA_F
 ClientSampleId :
 PB122218BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100				
63	54.5	43.7	65.5		
89	59.3	45.1	67.7		

Manual Integrations
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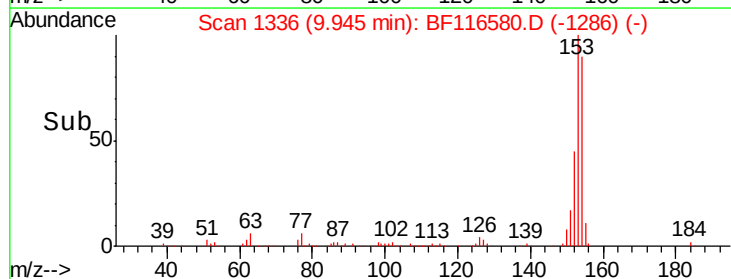
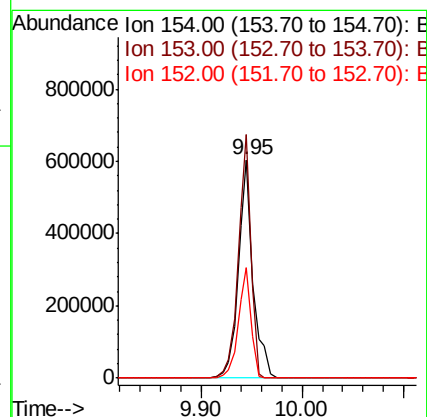
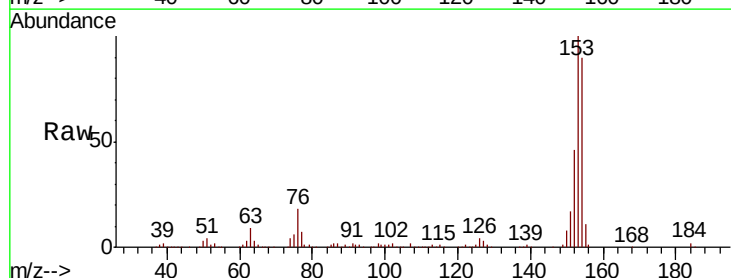
mohammad

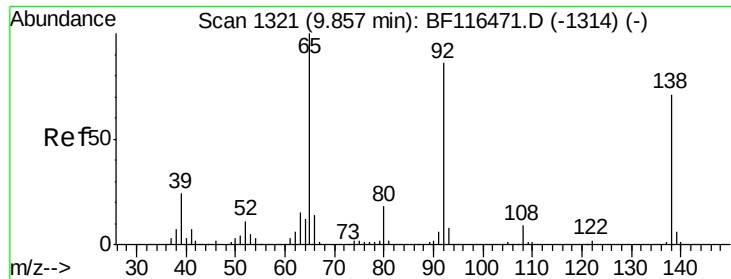
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#52
 Acenaphthene
 Concen: 46.835 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100				
153	111.4	89.3	133.9		
152	50.8	40.2	60.4		





#53
3-Nitroaniline
Concen: 30.204 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

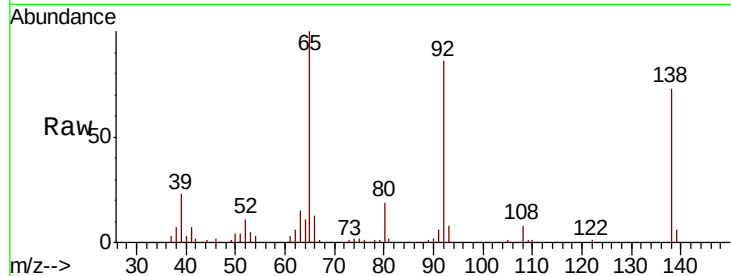
Instrument :
BNA_F
ClientSampleId :
PB12218BSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	114057		
108	10.5	10.0	15.0	
92	118.3	97.7	146.5	

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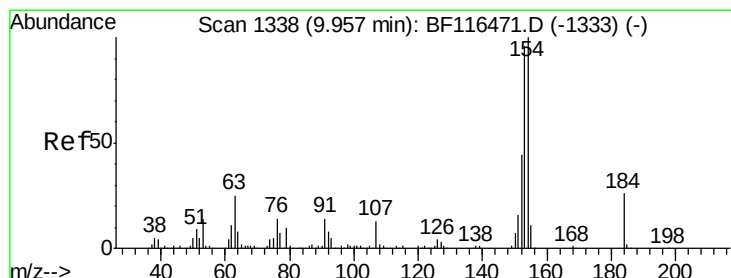
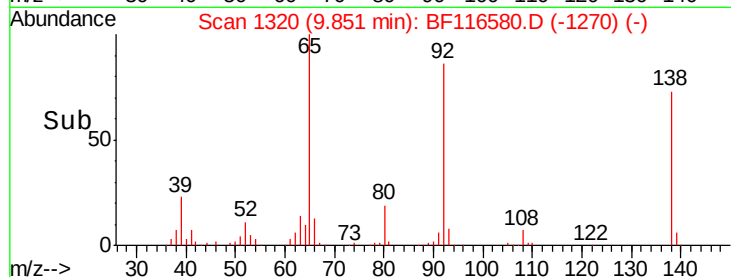
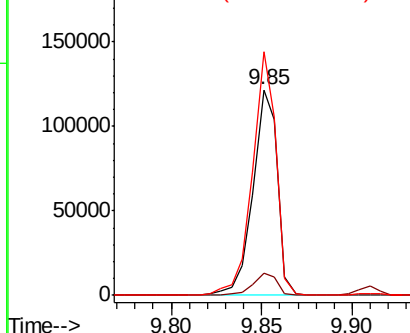


Abundance

Ion 138.00 (137.70 to 138.70): E

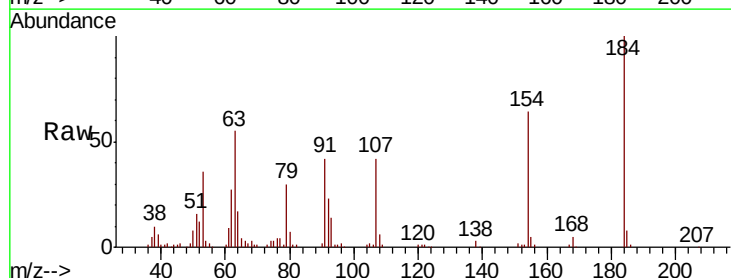
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 107.548 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	137423		
63	54.6	78.2	117.4#	
154	63.5	320.4	480.6#	

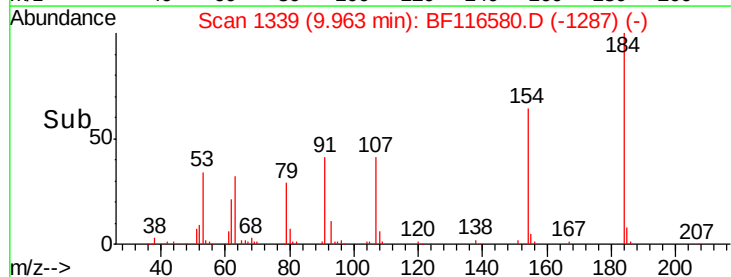
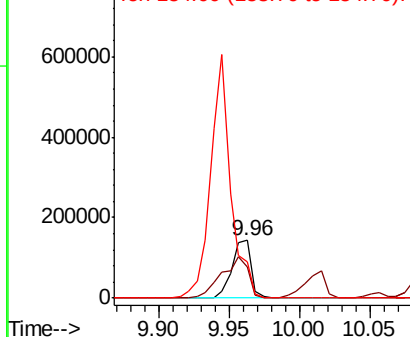


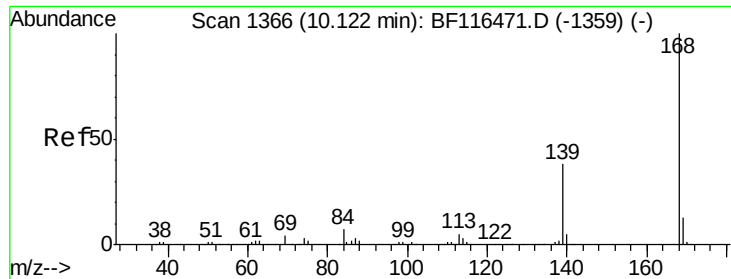
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55
Dibenzenofuran
Concen: 43.438 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

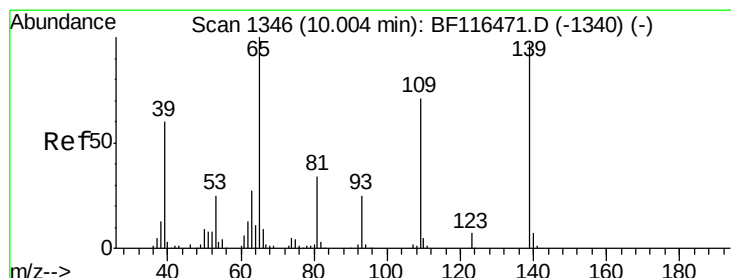
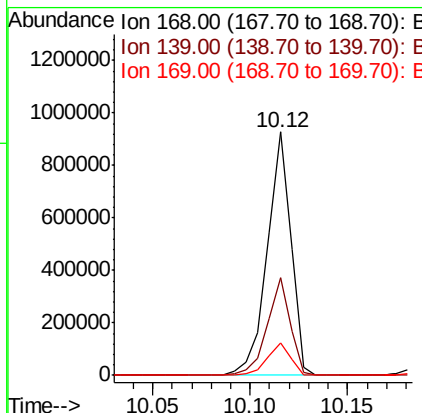
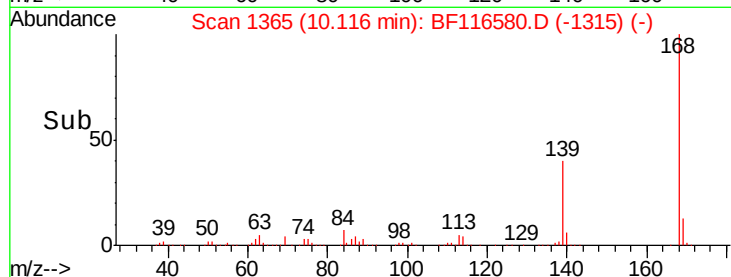
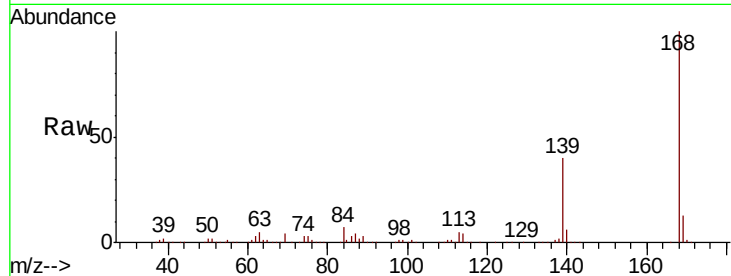
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion:	168	Resp:	781607
Ion Ratio		Lower	Upper
168	100		
139	40.0	30.7	46.1
169	13.5	10.7	16.1

Manual Integrations
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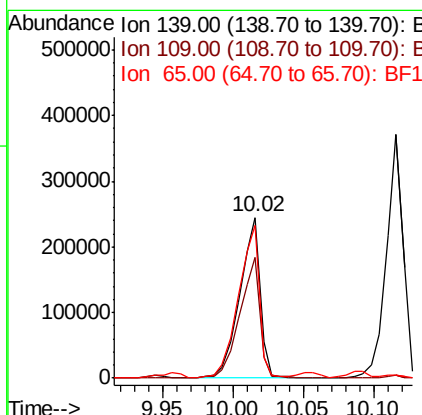
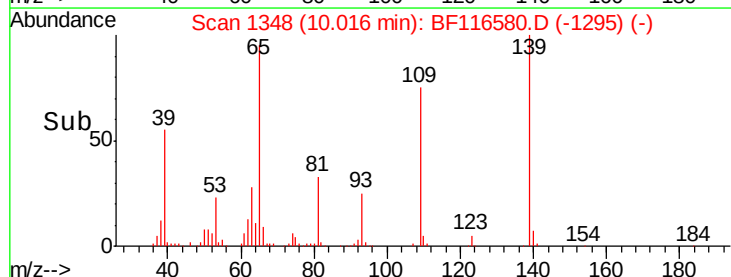
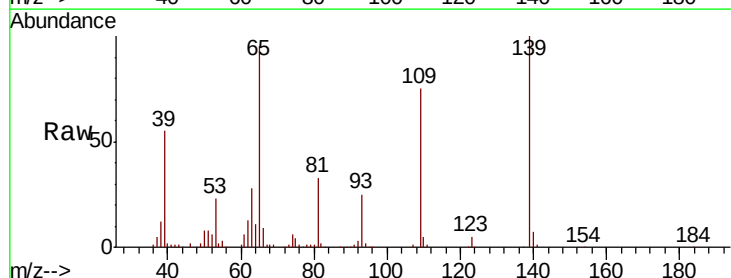
mohammad

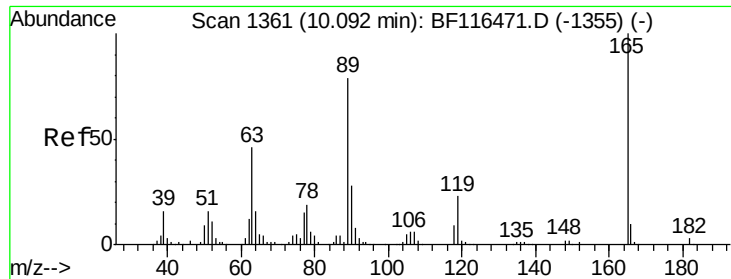
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#56
4-Nitrophenol
Concen: 84.678 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion:	139	Resp:	248535
Ion Ratio		Lower	Upper
139	100		
109	75.4	53.4	93.4
65	94.9	83.0	123.0





#57

2,4-Dinitrotoluene

Concen: 49.468 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.00 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

Instrument :

BNA_F

ClientSampleId :

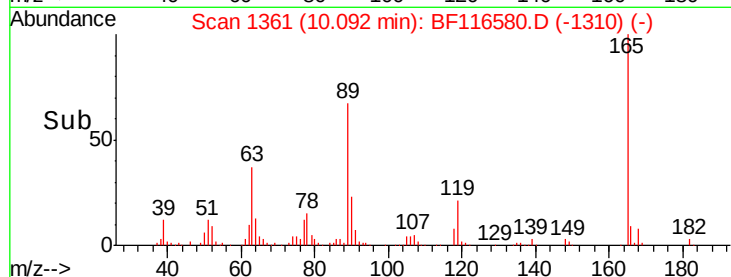
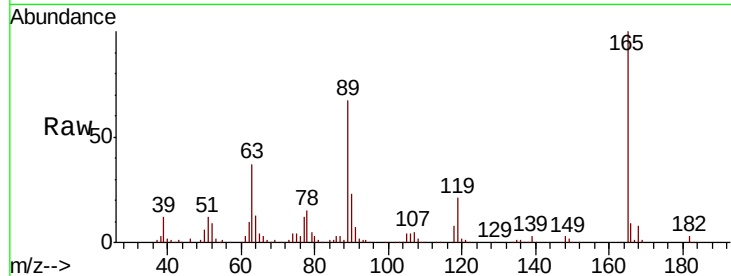
PB122218BSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	199407		
63	37.2	36.9	55.3	
89	66.7	63.4	95.0	
182	2.9	2.1	3.1	

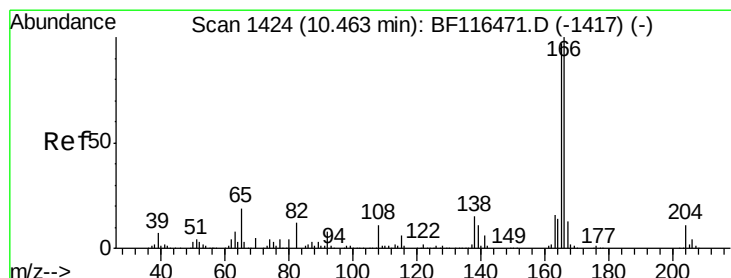
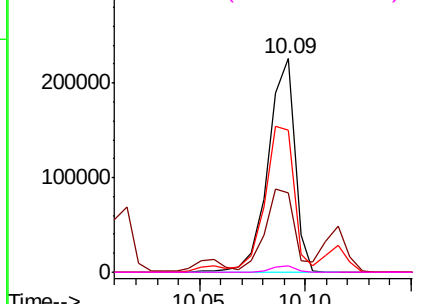
Manual Integrations
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Abundance Ion 165.00 (164.70 to 165.70): E



#58

Fluorene

Concen: 42.814 ng

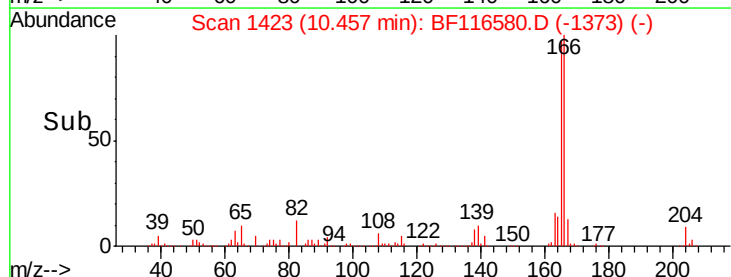
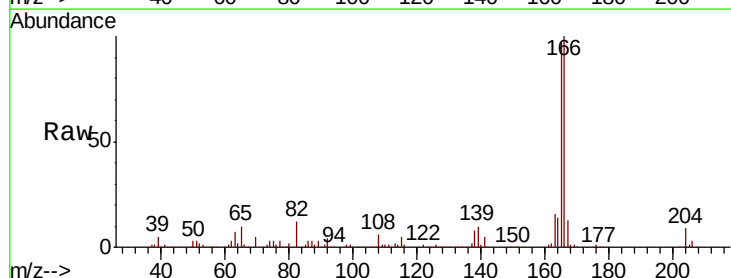
RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

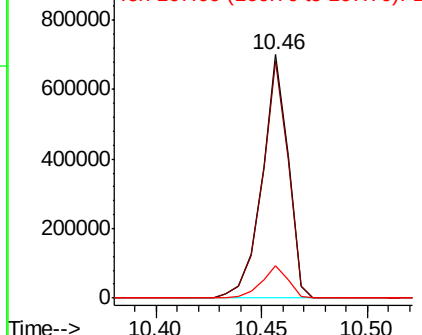
Lab File: BF116580.D

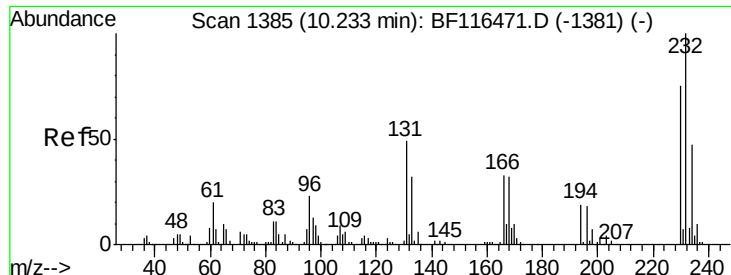
Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	598525		
165	97.4	77.4	116.0	
167	13.3	10.8	16.2	



Abundance Ion 166.00 (165.70 to 166.70): E





#59
 2,3,4,6-Tetrachlorophenol
 Concen: 45.282 ng
 RT: 10.23 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

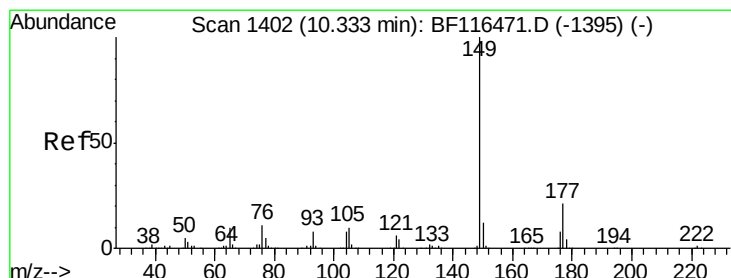
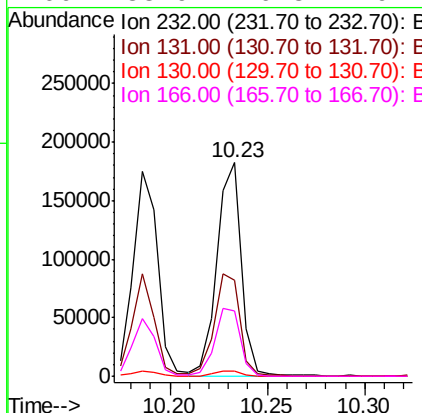
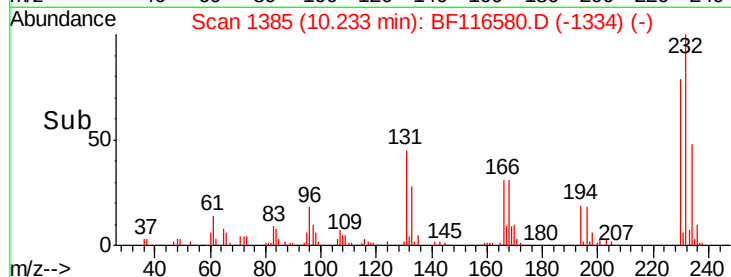
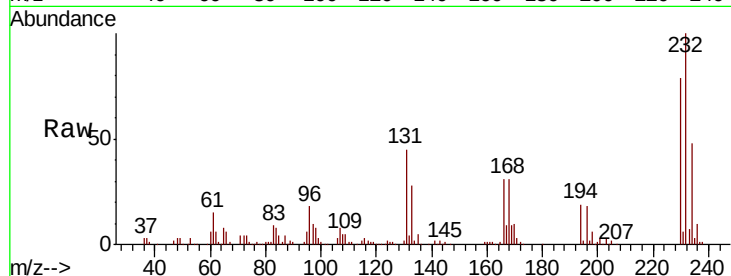
Instrument :
 BNA_F
 ClientSampleId :
 PB122218BSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	158023		
131	50.6		40.8	61.2
130	2.5		1.8	2.8
166	33.9		26.8	40.2

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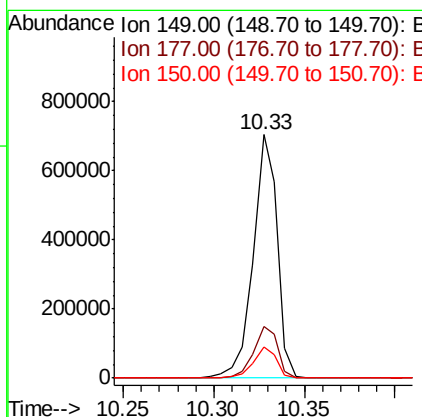
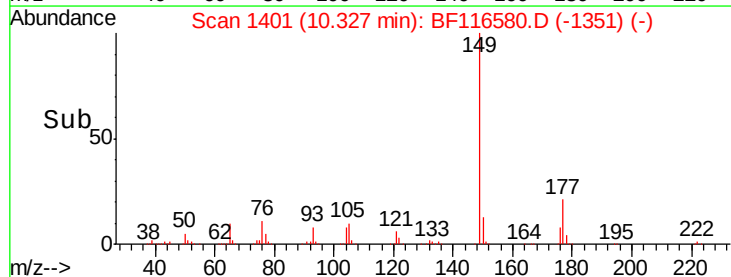
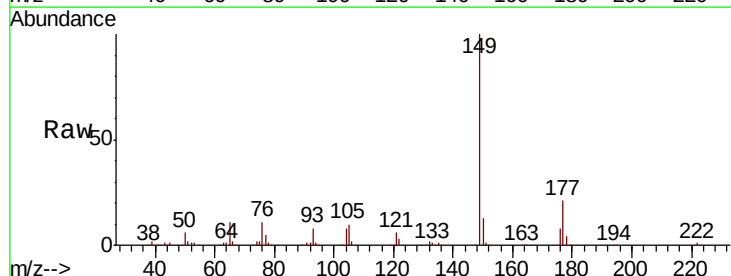
mohammad

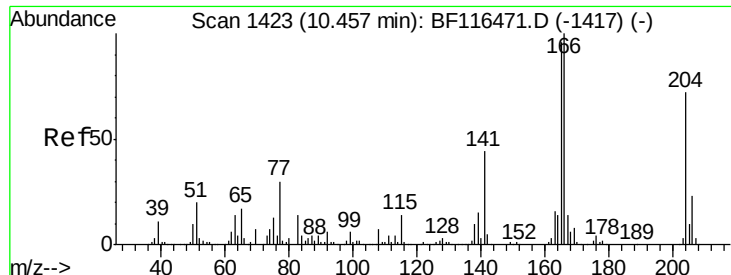
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#60
 Diethylphthalate
 Concen: 42.502 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	646536		
177	21.4		17.1	25.7
150	12.5		9.8	14.6





#61
 4-Chlorophenyl-phenylether
 Concen: 42.549 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

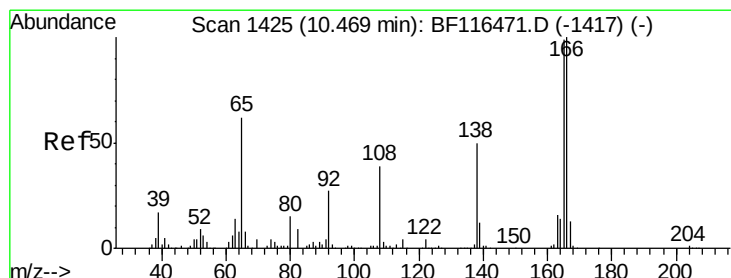
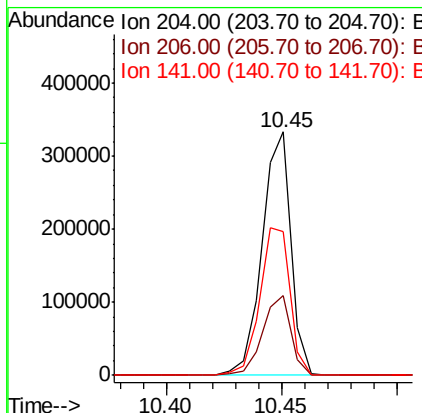
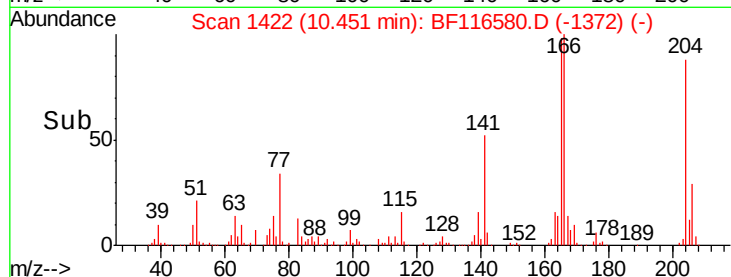
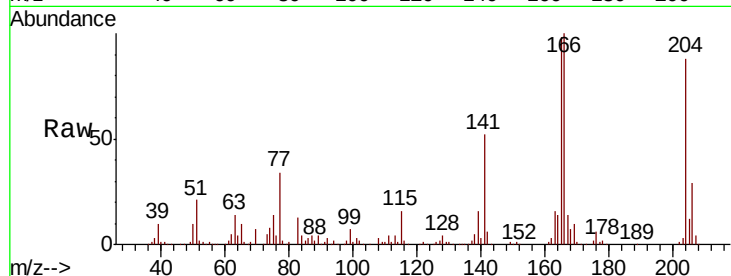
Instrument :
 BNA_F
 ClientSampleId :
 PB122218BSD

Tot Ion:	204	Resp:	290185
Ion Ratio	Lower	Upper	
204	100		
206	32.6	25.9	38.9
141	58.8	48.6	73.0

Manual Integrations
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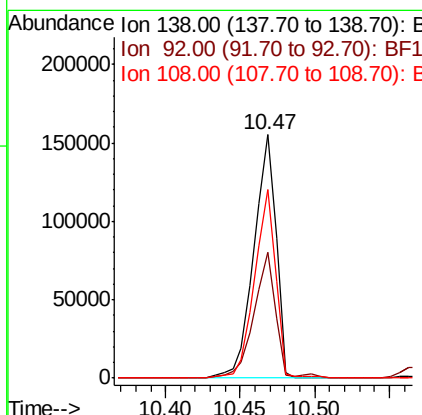
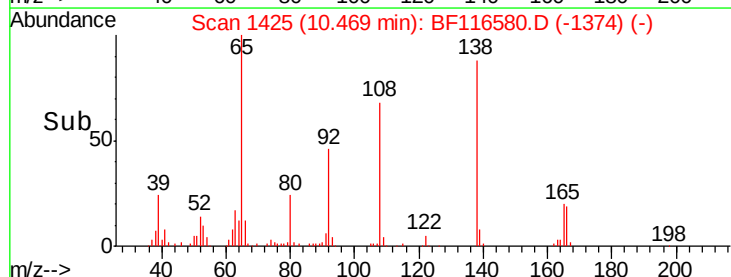
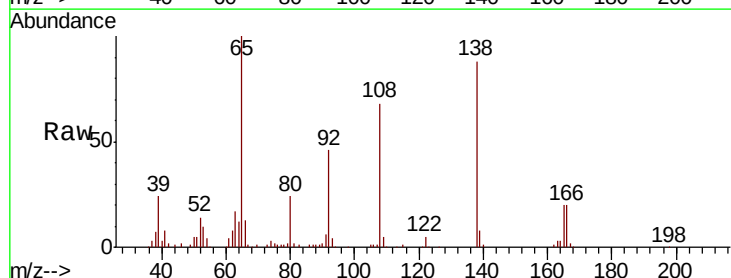
mohammad

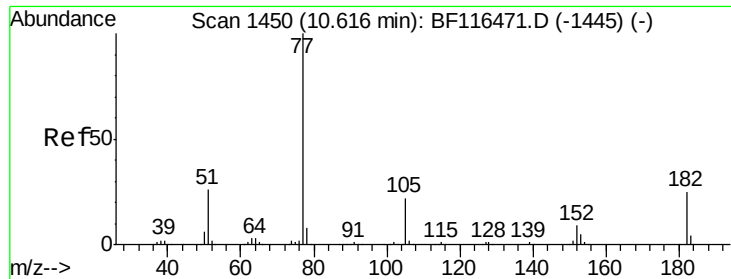
8/29/2019 7:54:42 AM



#62
 4-Nitroaniline
 Concen: 43.200 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.00 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

Tgt Ion:	138	Resp:	159548
Ion Ratio	Lower	Upper	
138	100		
92	51.9	34.9	74.9
108	77.4	57.7	97.7





#63
Azobenzene
Concen: 41.680 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

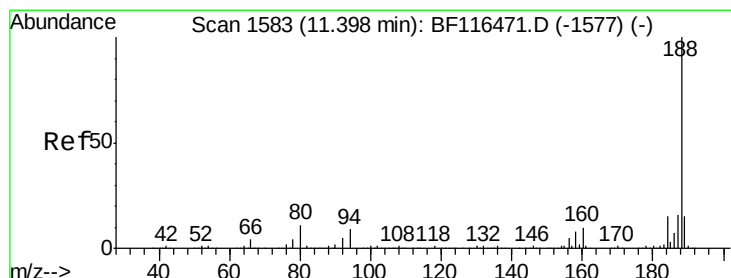
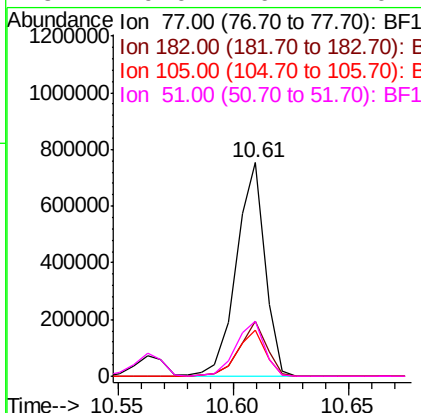
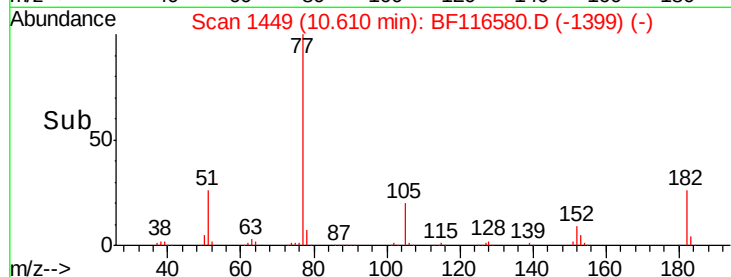
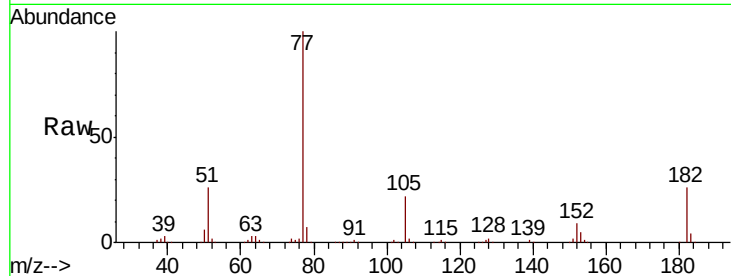
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	77	Resp	651908
Ion	Ratio	Lower	Upper
77	100		
182	25.6	5.4	45.4
105	21.7	1.6	41.6
51	26.0	6.2	46.2

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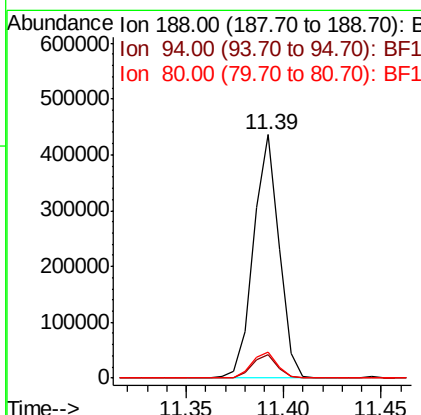
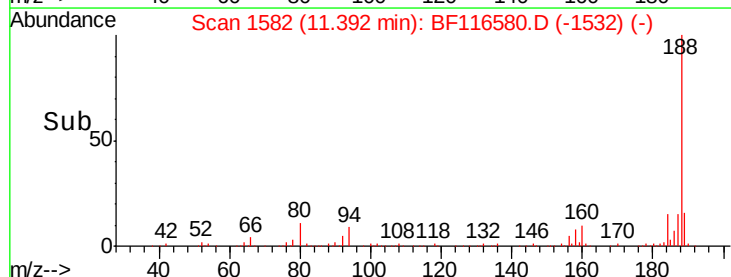
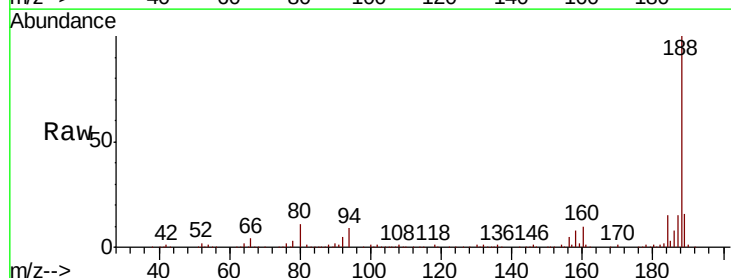
mohammad

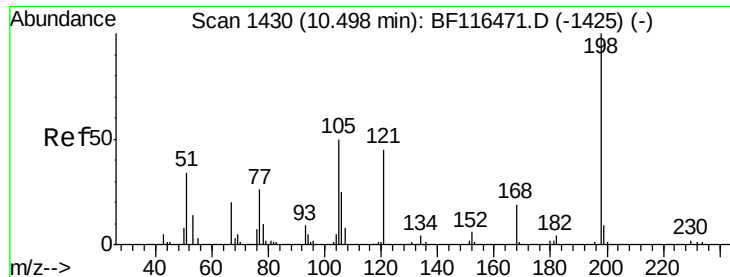
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion	188	Resp	395042
Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.4	11.2
80	10.6	8.6	12.8





#65

4,6-Dinitro-2-methylphenol

Concen: 59.053 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

Instrument :

BNA_F

ClientSampleId :

PB122218BSD

Tot Ion:198 Resp: 98716

Ion Ratio Lower Upper

198 100

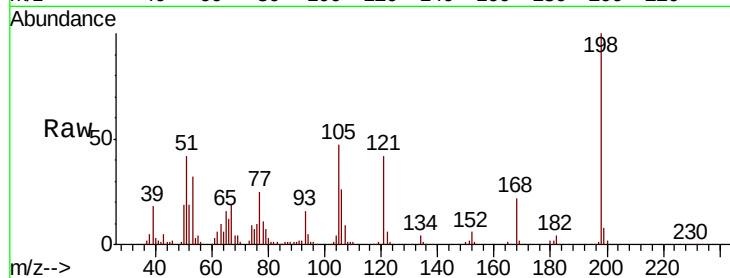
51 41.8 30.4 70.4

105 46.9 32.8 72.8

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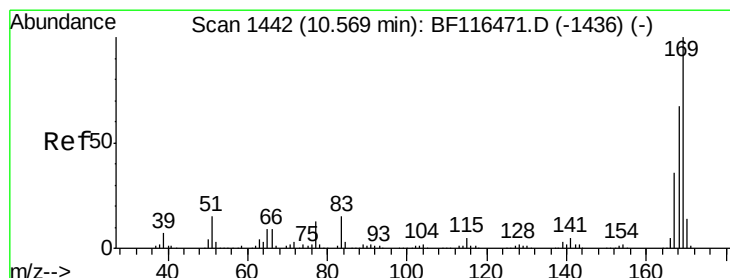
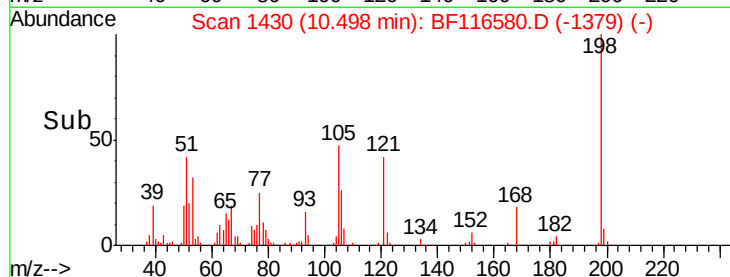
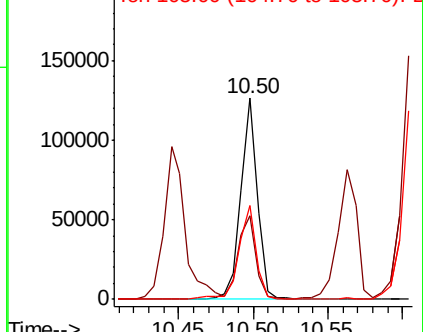


Abundance

Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 42.345 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

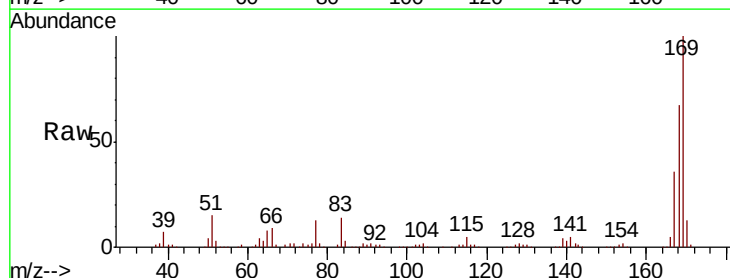
Tgt Ion:169 Resp: 541649

Ion Ratio Lower Upper

169 100

168 67.0 53.6 80.4

167 36.1 28.7 43.1

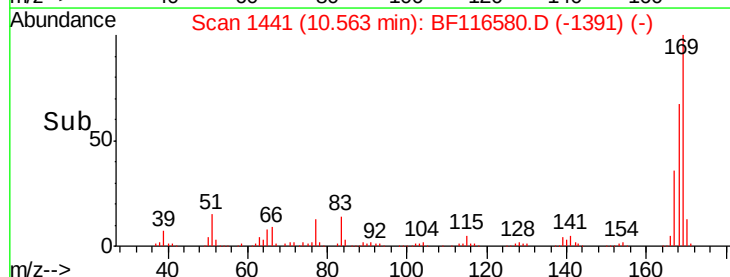
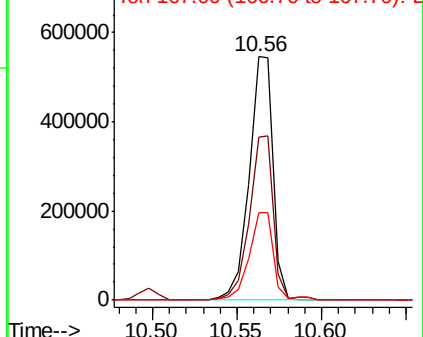


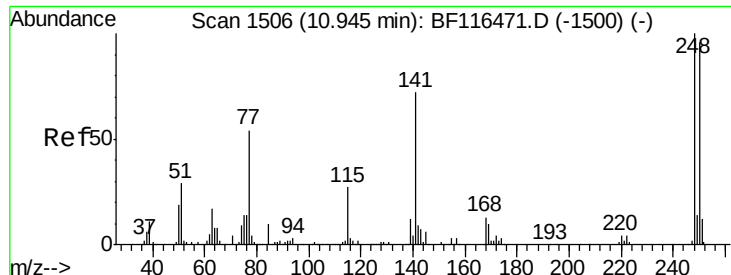
Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67
 4-Bromophenyl-phenylether
 Concen: 41.683 ng
 RT: 10.94 min Scan# 1505
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

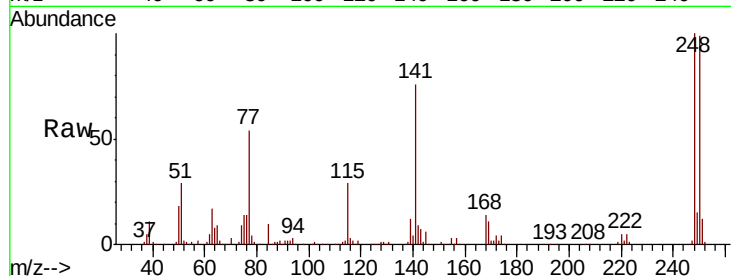
Instrument :
 BNA_F
 ClientSampleId :
 PB122218BSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.3	77.0	115.6
141	75.9	57.4	86.0

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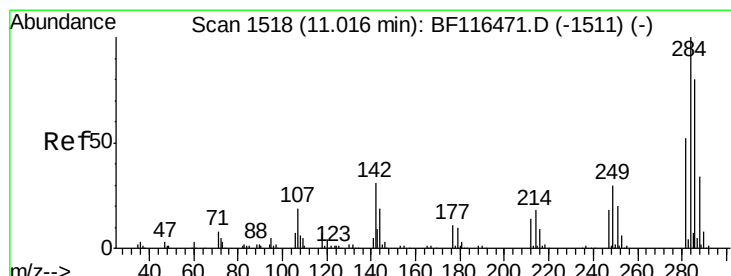
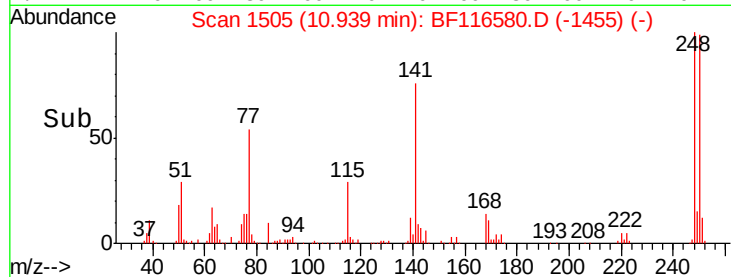
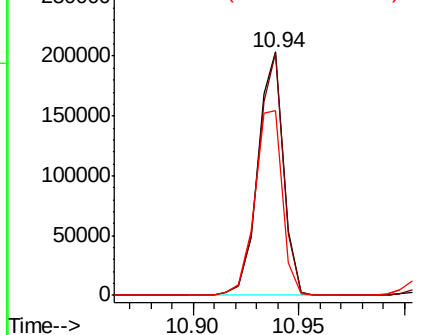


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 40.409 ng
 RT: 11.01 min Scan# 1517
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

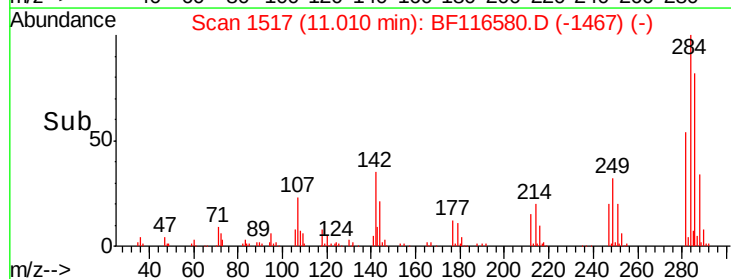
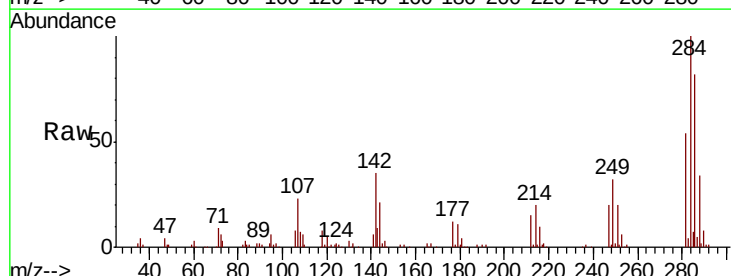
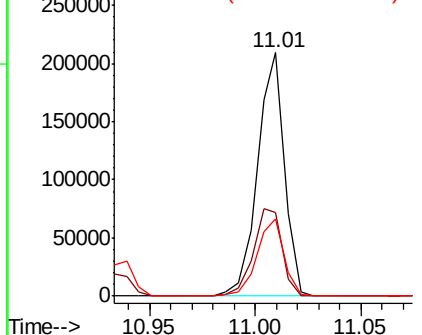
Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.6	24.6	36.8
249	31.9	24.1	36.1

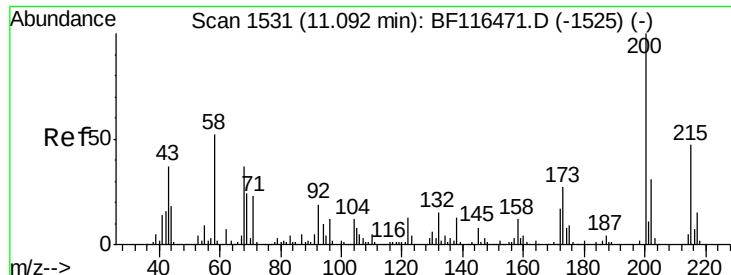
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69
Atrazine
Concen: 42.100 ng
RT: 11.09 min Scan# 1531
Delta R.T. -0.00 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

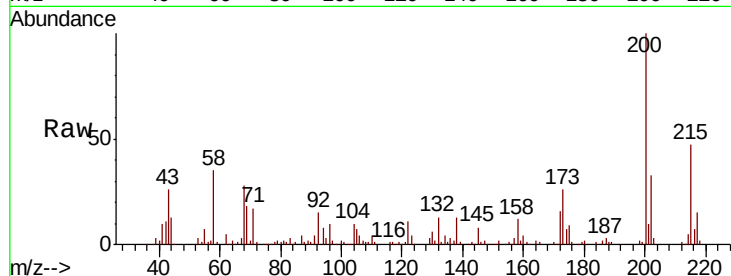
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	26.2	7.3	47.3
215	47.2	26.7	66.7

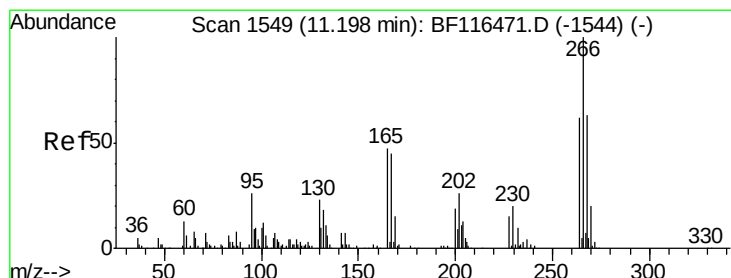
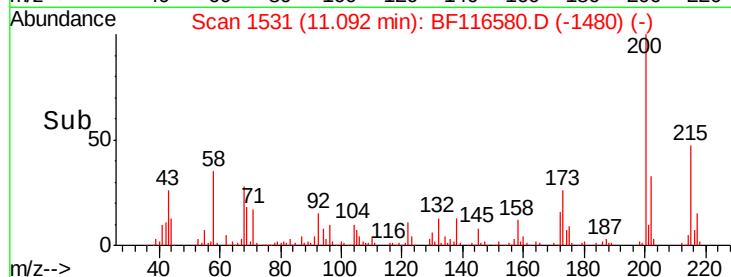
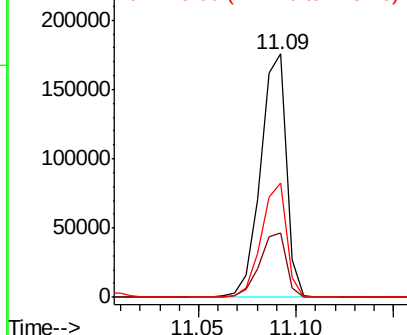
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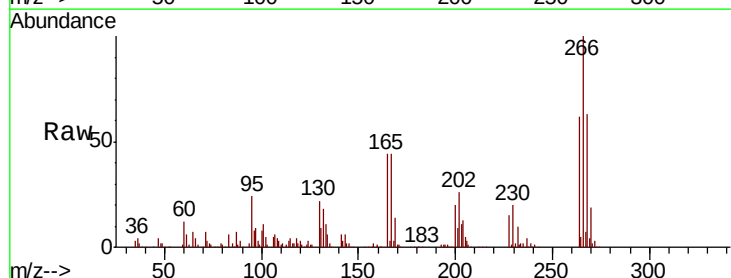


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

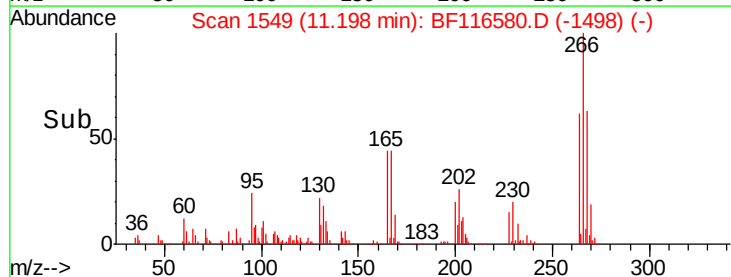
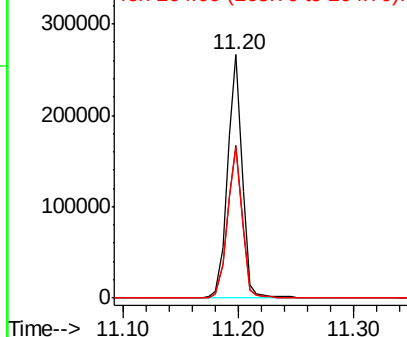


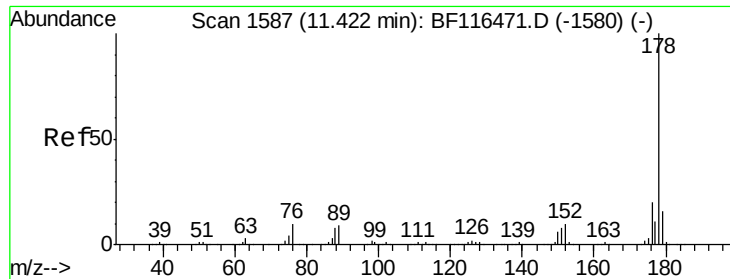
#70
Pentachlorophenol
Concen: 87.457 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.00 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.0	50.7	76.1
264	61.9	50.0	75.0



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71
Phenanthrene
Concen: 42.680 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

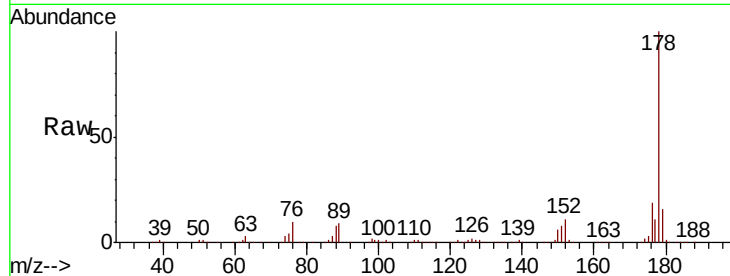
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	18.9	15.8	23.6		
179	15.6	12.8	19.2		

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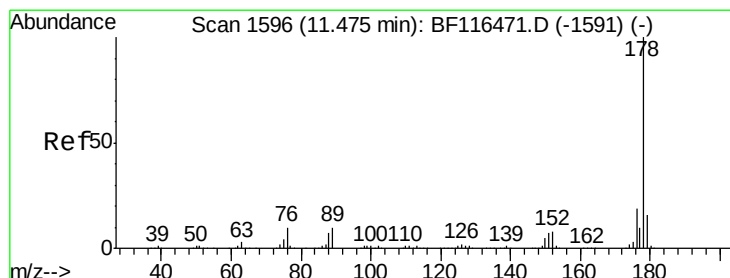
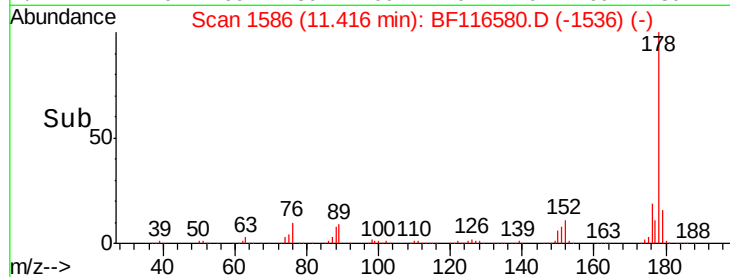
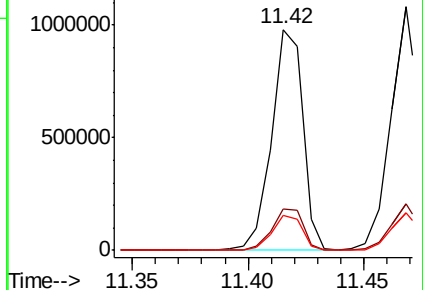


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 43.213 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

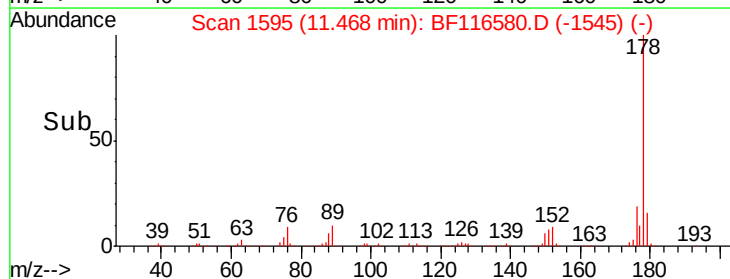
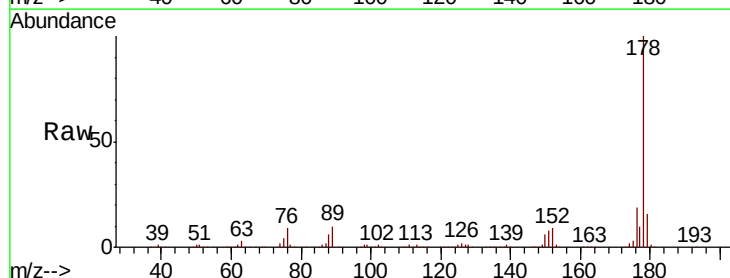
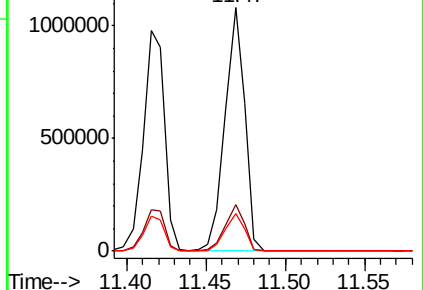
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	18.9	15.2	22.8		
179	15.5	12.5	18.7		

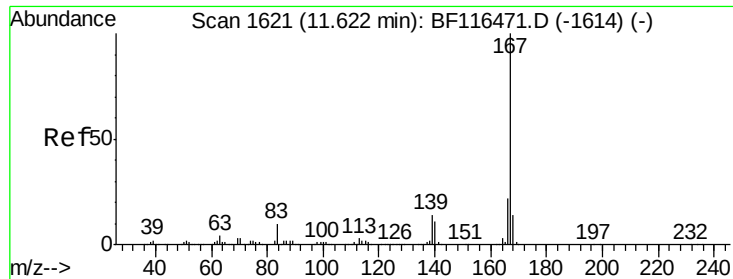
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73
 Carbazole
 Concen: 42.022 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

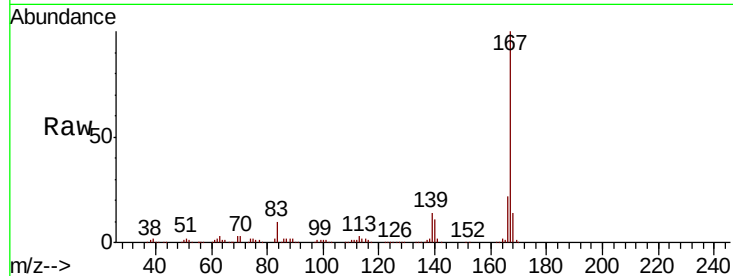
Instrument :
 BNA_F
 ClientSampleId :
 PB122218BSD

Tot Ion:	167	Resp:	815692
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.8	26.6
139	13.8	10.9	16.3

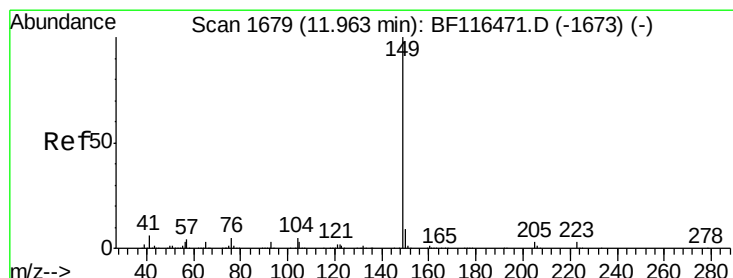
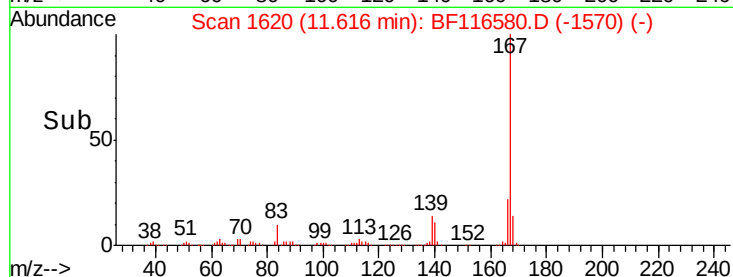
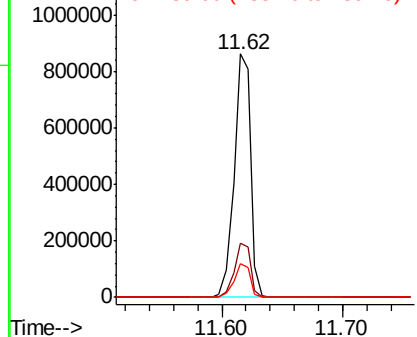
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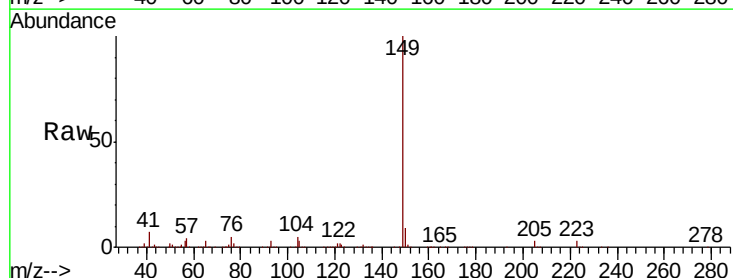


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

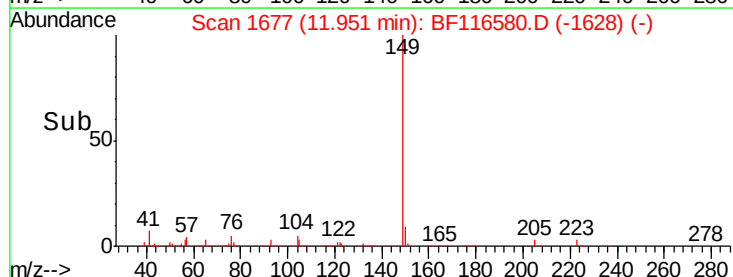
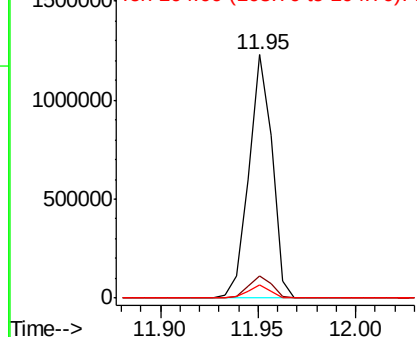


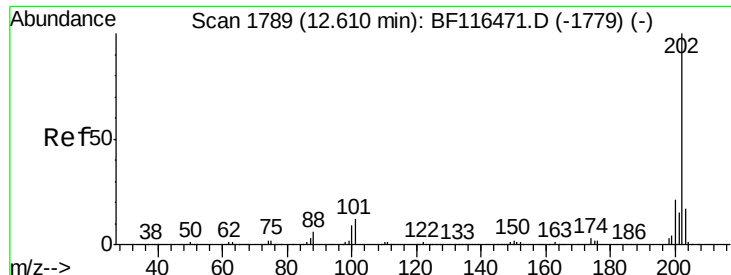
#74
 Di-n-butylphthalate
 Concen: 42.036 ng
 RT: 11.95 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

Tgt Ion:	149	Resp:	1011106
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.5	11.3
104	5.4	4.1	6.1



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 42.149 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

Instrument :

BNA_F

ClientSampled :

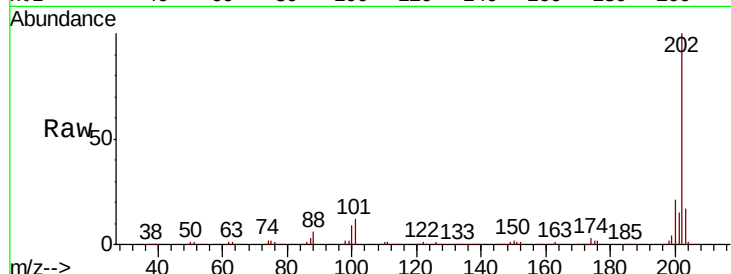
PB122218BSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	937770		
101	11.7	0.0	31.5	
203	17.3	0.0	37.5	

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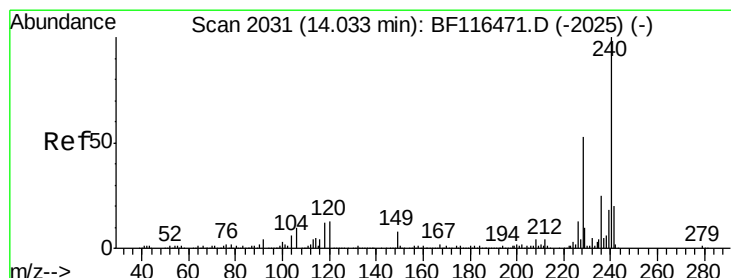
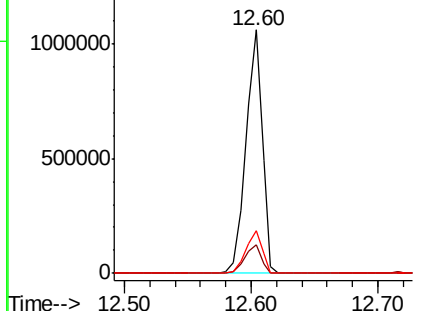
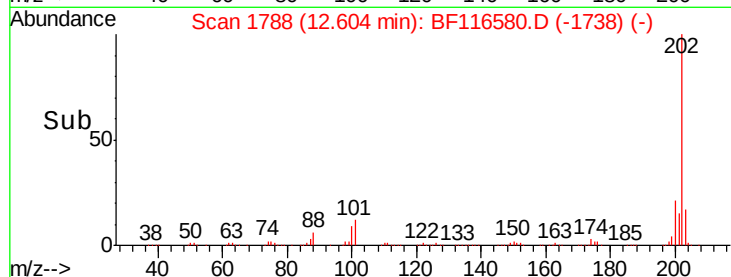
8/29/2019 7:54:42 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

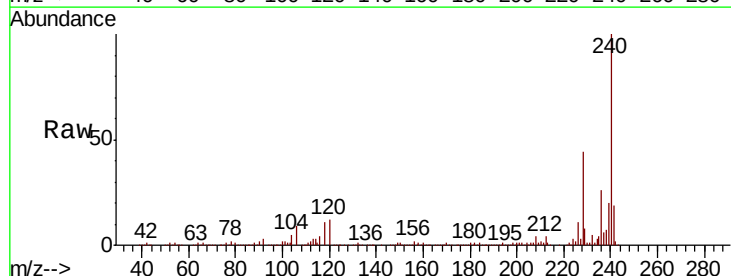
RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

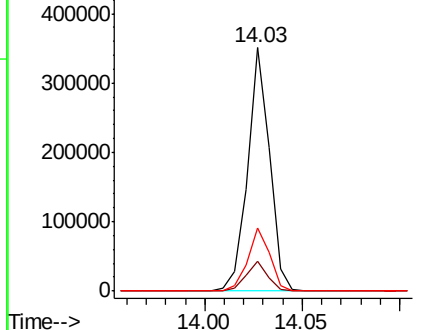
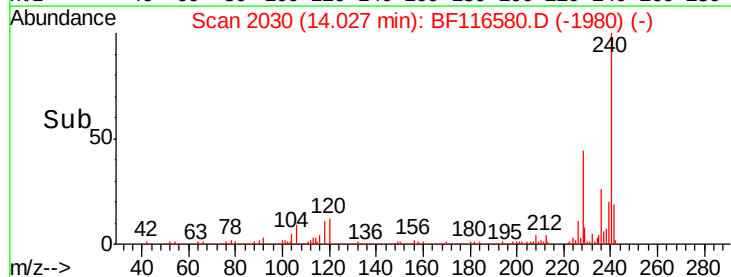
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	272719		
120	12.2	10.5	15.7	
236	25.9	20.2	30.2	

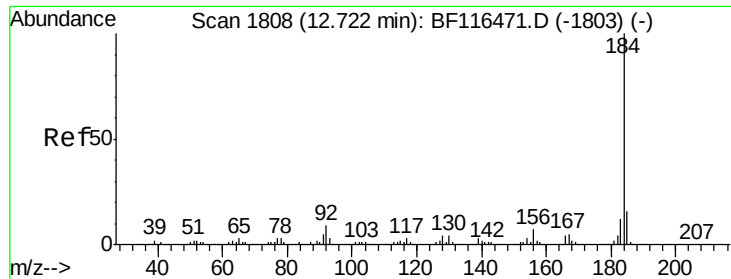


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 44.047 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF116580.D

Acq: 27 Aug 2019 12:56

Instrument :

BNA_F

ClientSampleId :

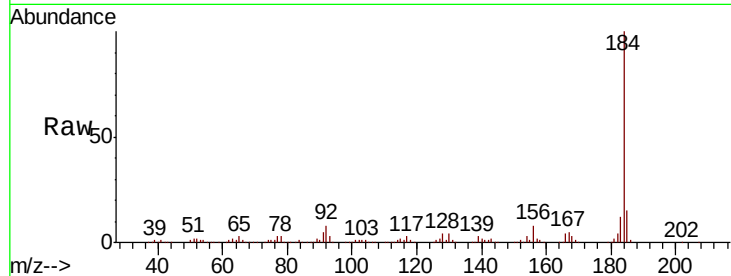
PB122218BSD

Tot Ion:184	Resp:	483298
Ion Ratio	Lower	Upper
184	100	
185	15.0	13.0 19.4
183	12.1	9.8 14.6

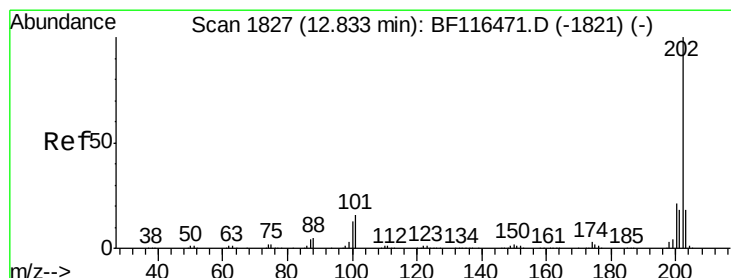
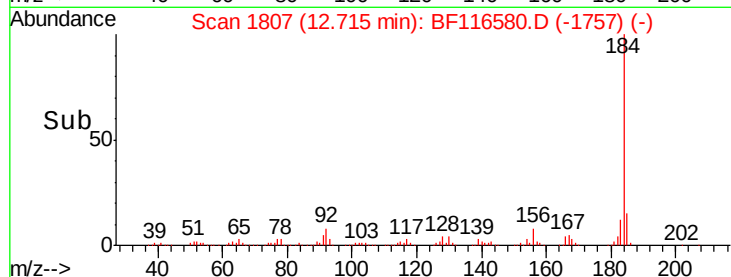
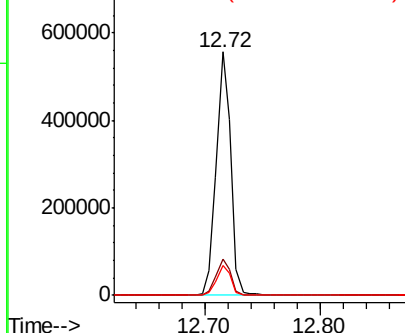
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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.554 ng

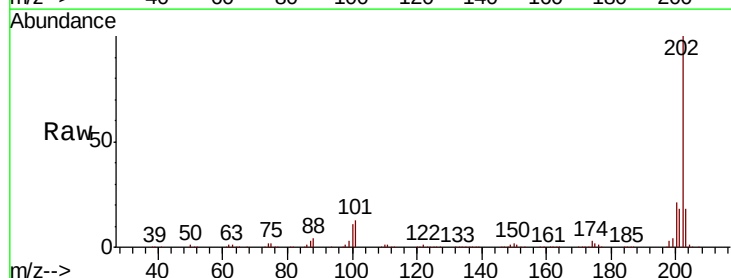
RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

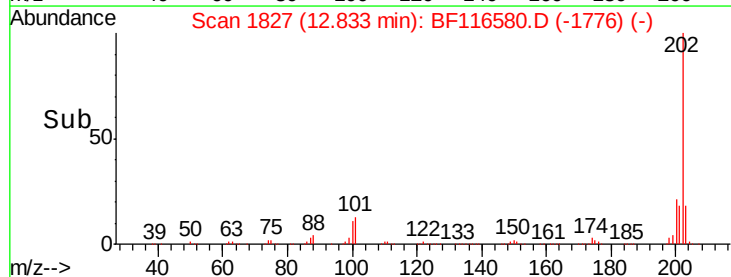
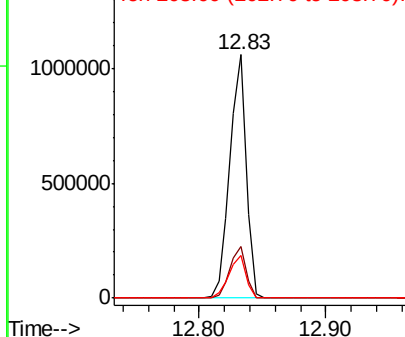
Lab File: BF116580.D

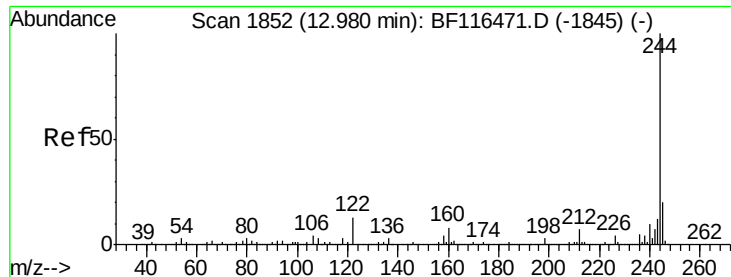
Acq: 27 Aug 2019 12:56

Tgt Ion:202	Resp:	949890
Ion Ratio	Lower	Upper
202	100	
200	21.1	17.0 25.4
203	17.6	14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79
 Terphenyl-d14
 Concen: 68.713 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

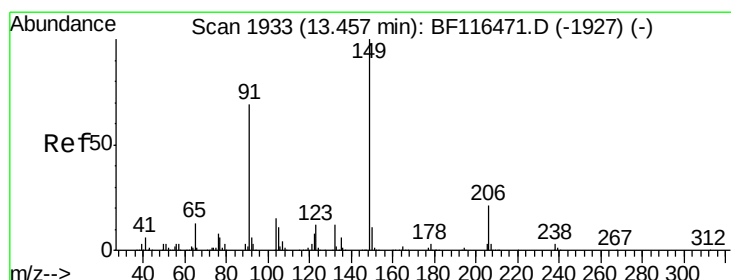
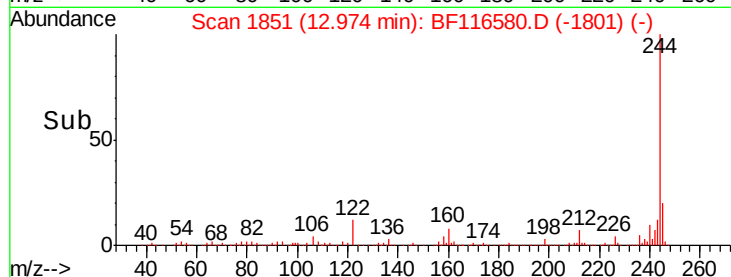
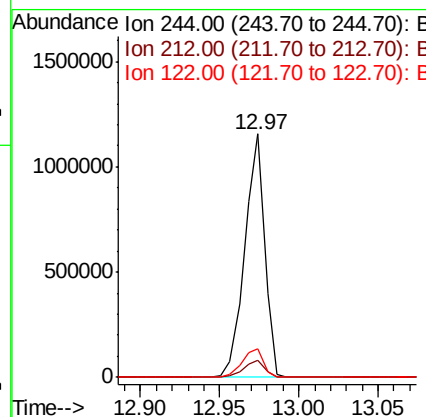
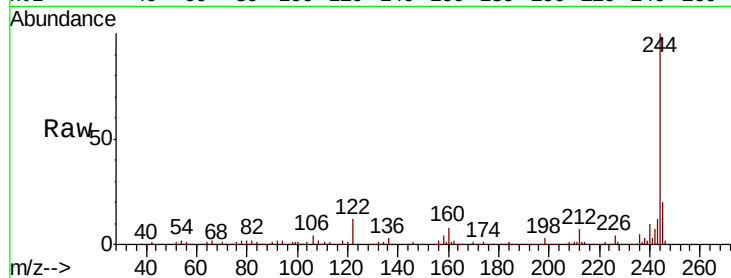
Instrument :
 BNA_F
 ClientSampleId :
 PB122218BSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	11.7	10.2	15.4

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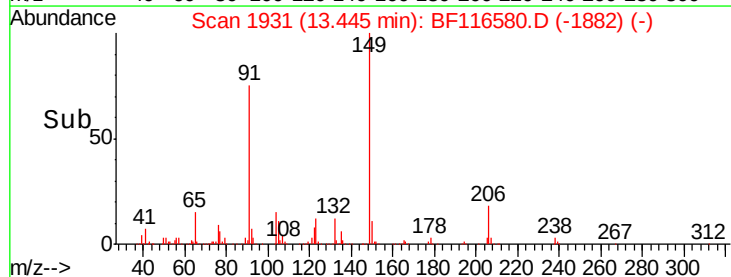
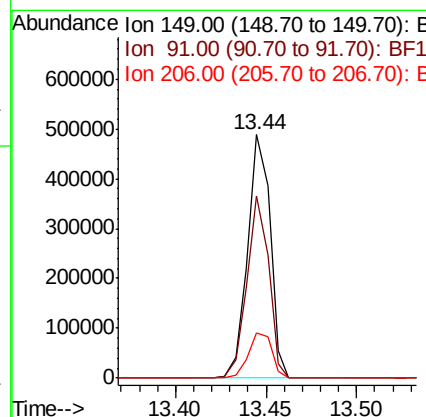
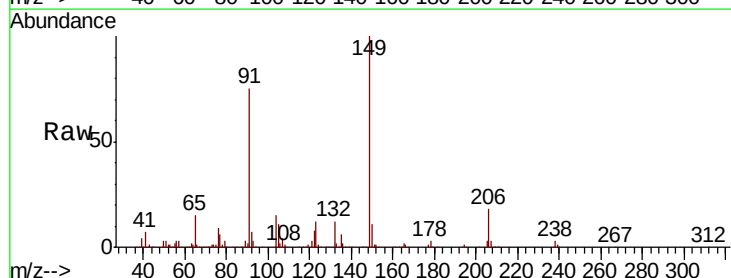
mohammad

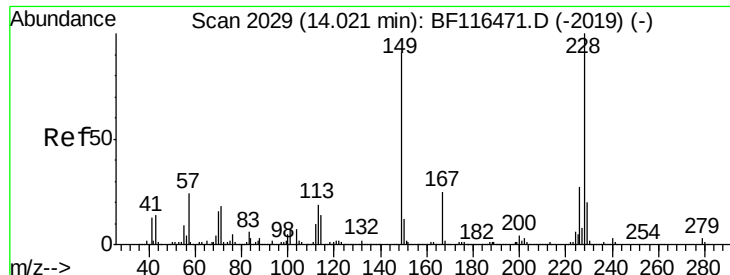
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#80
 Butylbenzylphthalate
 Concen: 44.825 ng
 RT: 13.44 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.6	54.9	82.3
206	18.4	16.6	24.8





#81
Benzo(a)anthracene
Concen: 43.130 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

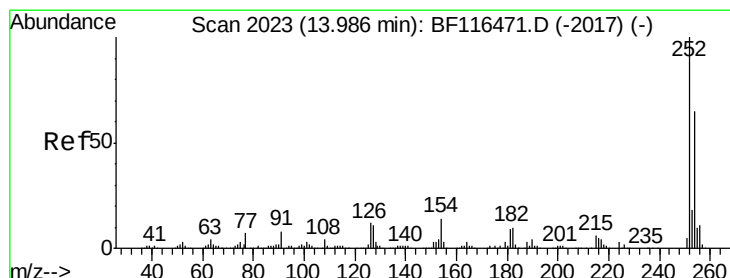
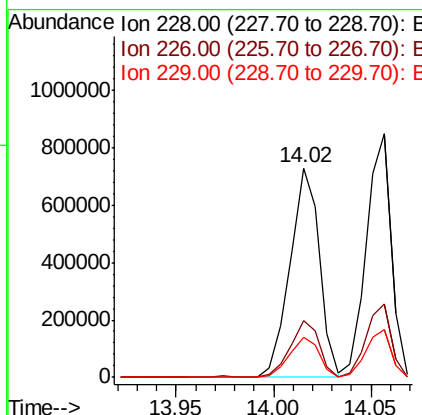
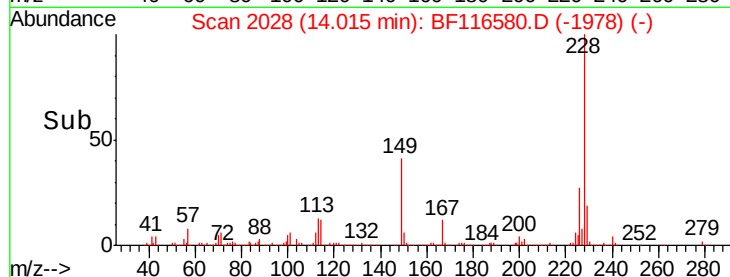
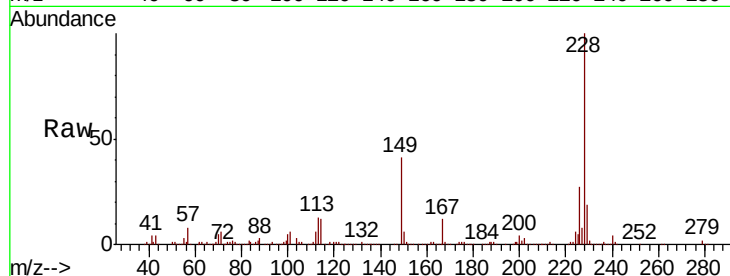
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion:	228	Resp:	761816
Ion Ratio	Lower	Upper	
228	100		
226	26.9	21.8	32.6
229	19.4	15.9	23.9

Manual Integrations
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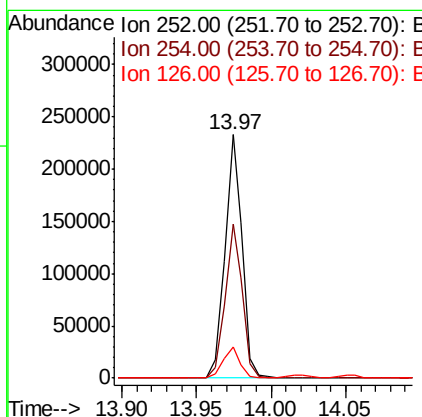
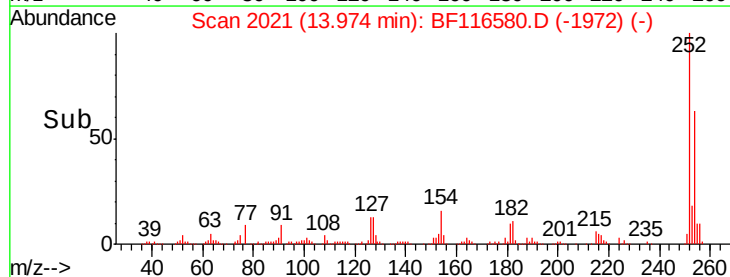
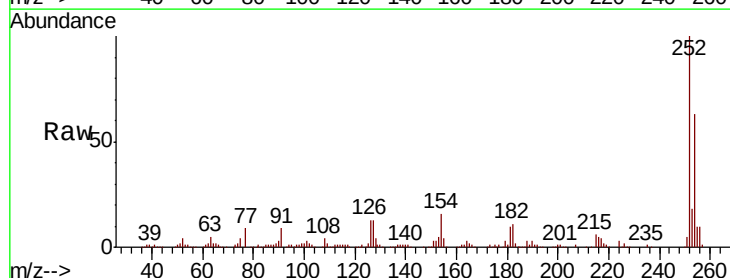
mohammad

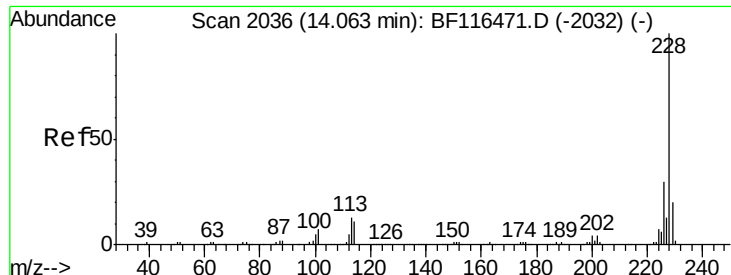
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#82
3,3'-Dichlorobenzidine
Concen: 30.104 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion:	252	Resp:	189488
Ion Ratio	Lower	Upper	
252	100		
254	63.1	51.9	77.9
126	12.7	9.4	14.0





#83
 Chrysene
 Concen: 41.899 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

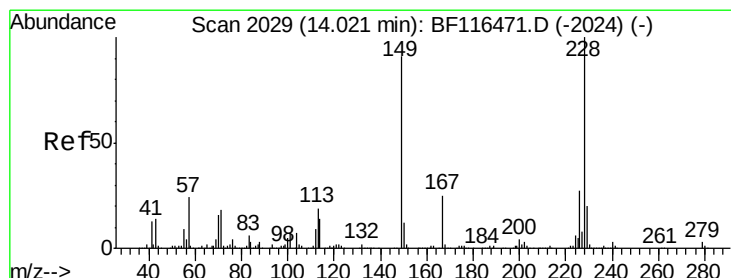
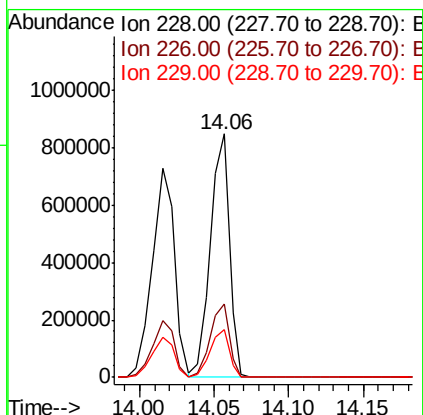
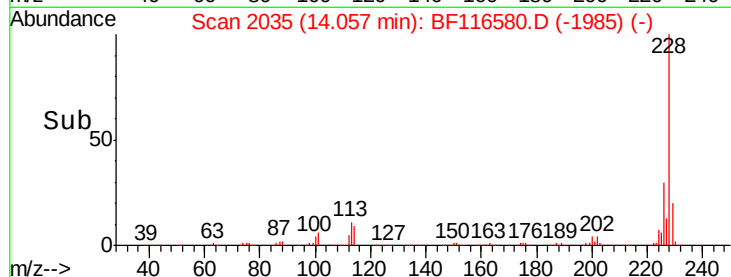
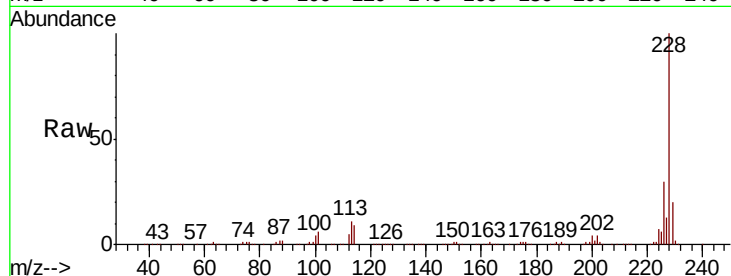
Instrument :
 BNA_F
 ClientSampleId :
 PB122218BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		750102		
226	30.4	24.2	36.2		
229	19.7	15.8	23.6		

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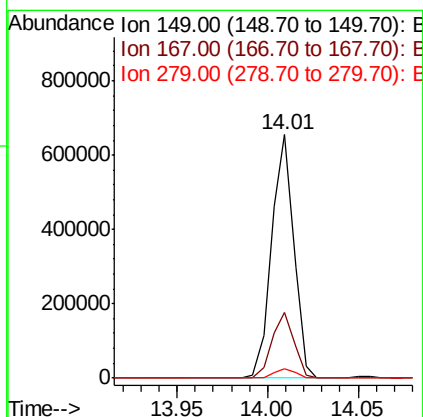
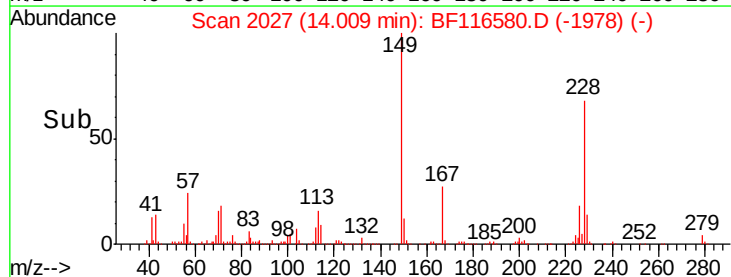
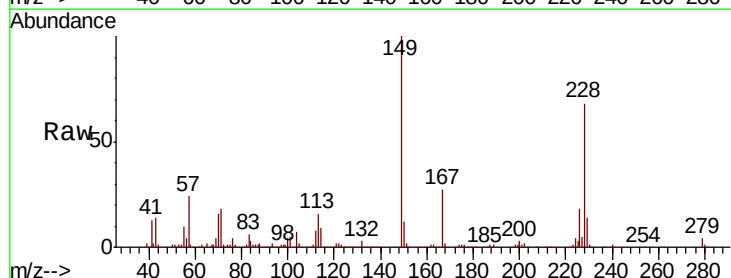
mohammad

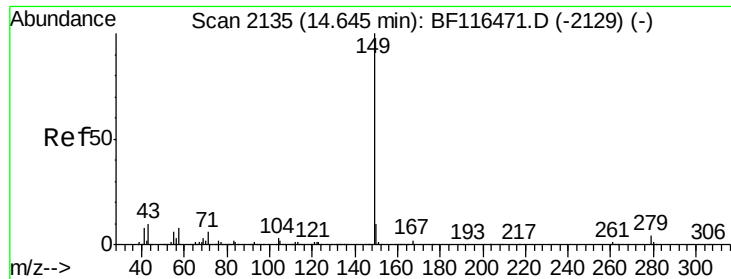
8/29/2019 7:54:42 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 44.342 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF116580.D
 Acq: 27 Aug 2019 12:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		556914		
167	27.1	21.8	32.6		
279	3.9	3.0	4.4		





#85
Di-n-octyl phthalate
Concen: 43.568 ng
RT: 14.62 min Scan# 2131
Delta R.T. -0.02 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

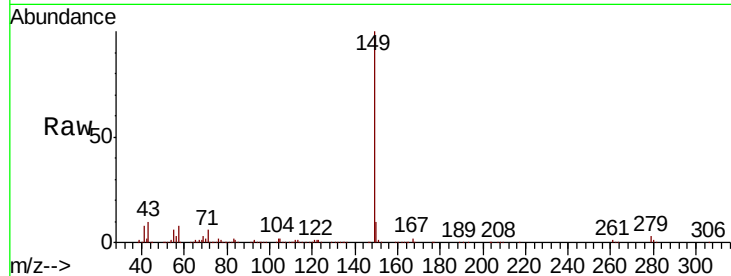
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	928992		
167	1.5		1.3	1.9
43	9.0		7.8	11.8

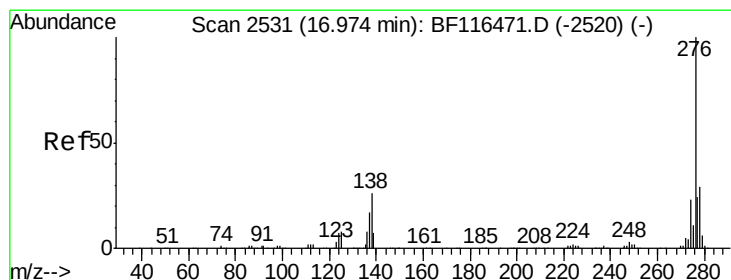
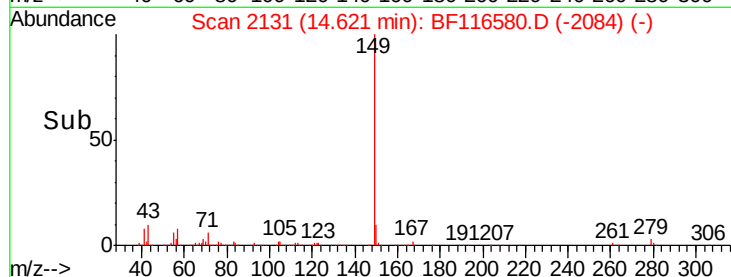
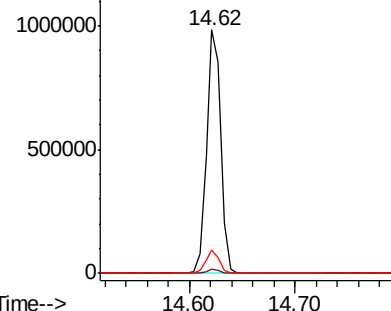
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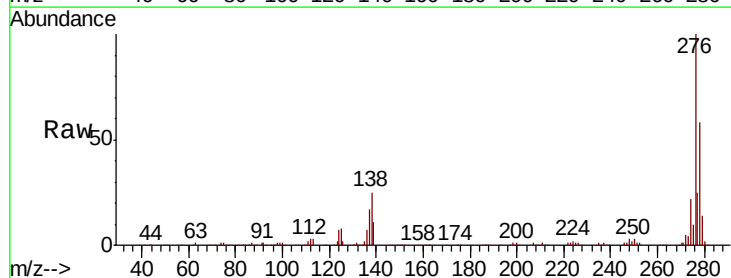


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

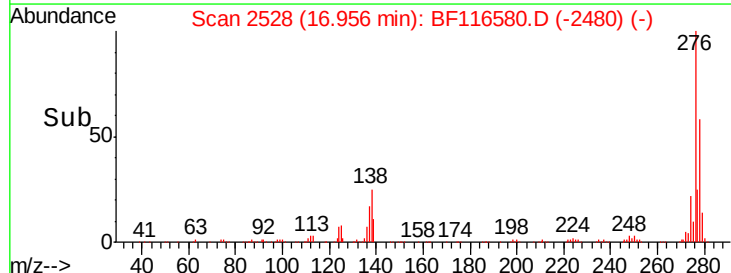
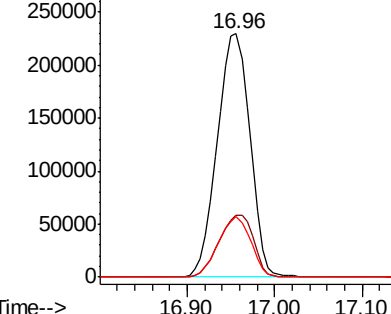


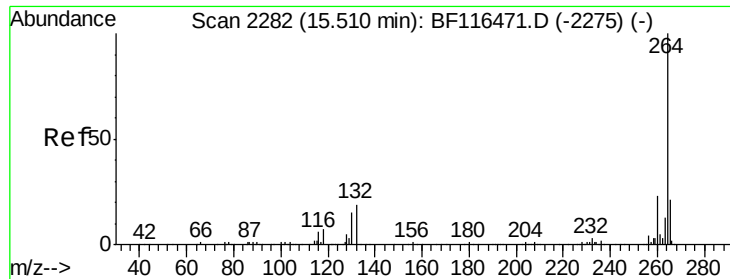
#86
Indeno(1,2,3-cd)pyrene
Concen: 38.055 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	583600		
138	26.7		22.9	34.3
277	24.6		19.9	29.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

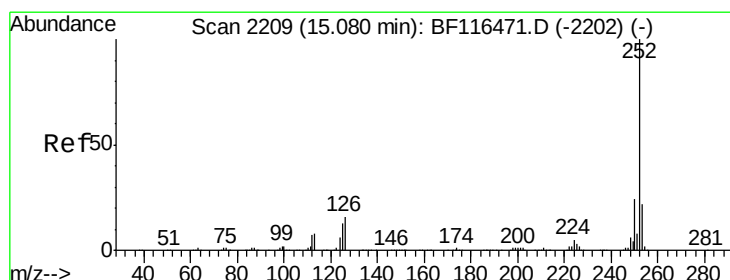
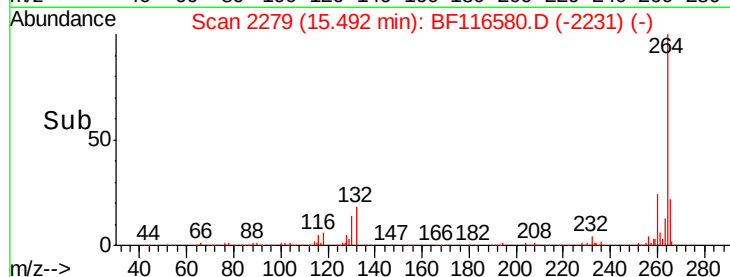
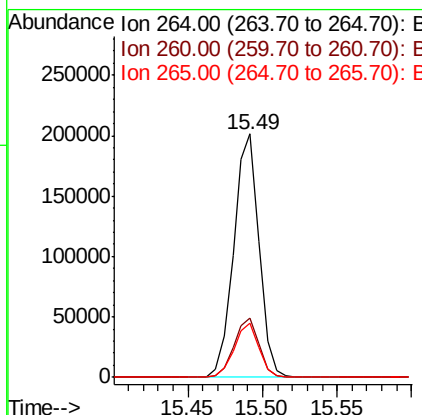
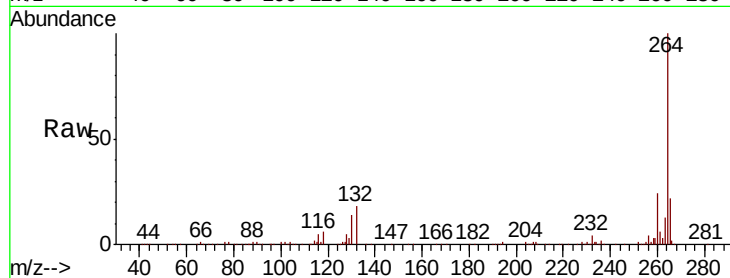
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	22.4	17.1	25.7

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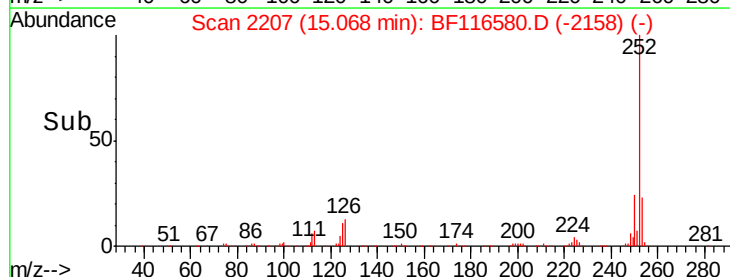
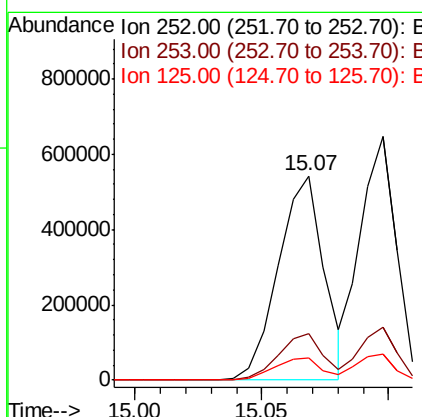
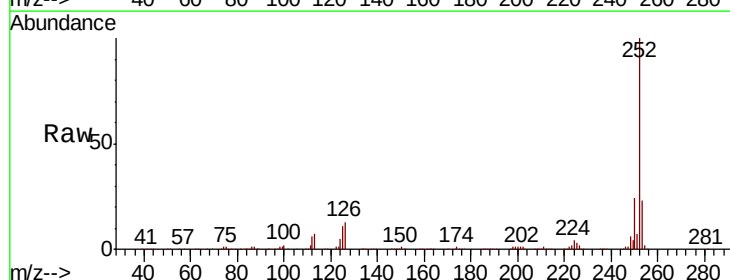
mohammad

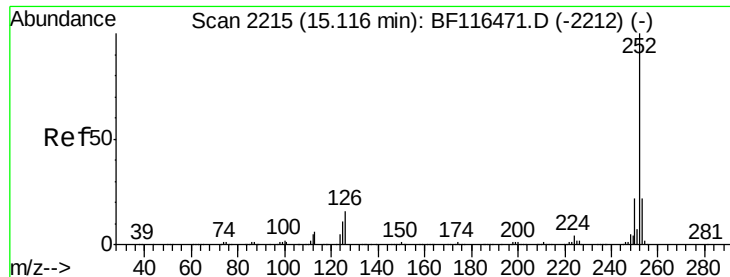
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#88
Benzo(b)fluoranthene
Concen: 46.134 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.6	10.1	15.1





#89
Benzo(k)fluoranthene
Concen: 48.127 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

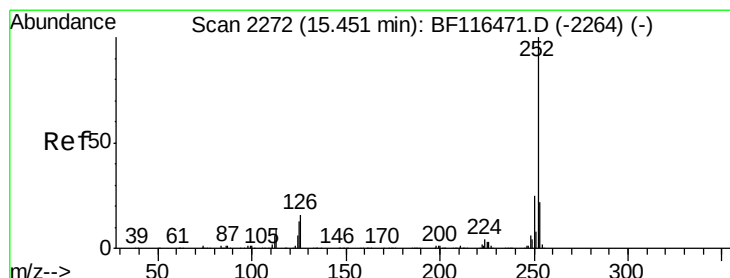
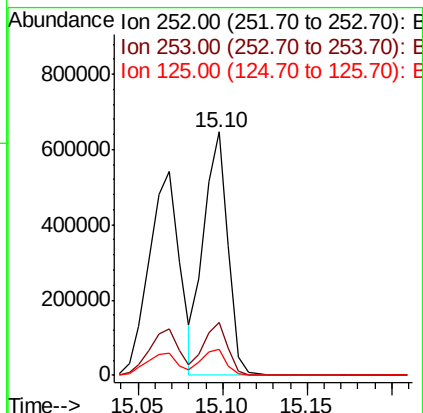
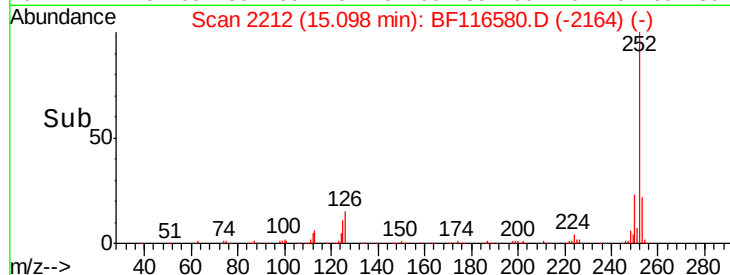
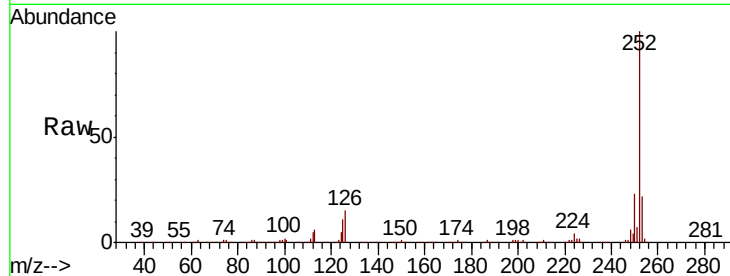
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion:	252	Resp:	643951
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.4	26.2
125	10.8	9.1	13.7

Manual Integrations
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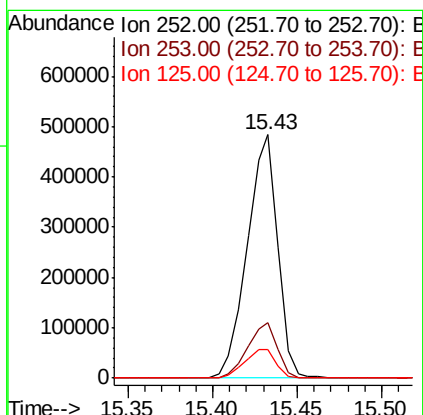
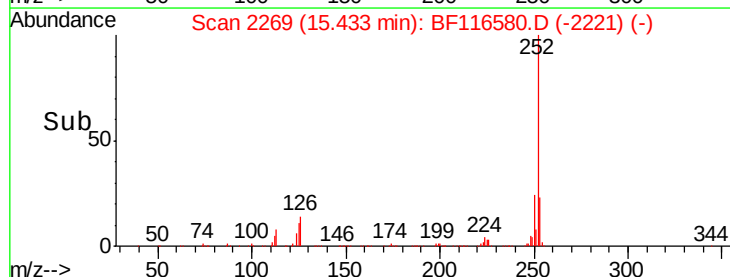
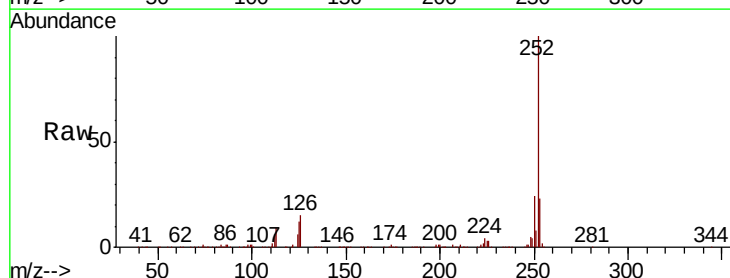
mohammad

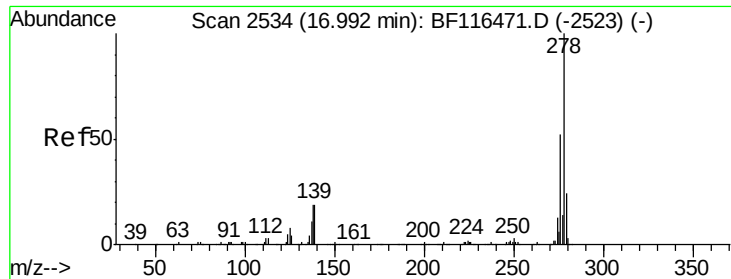
8/29/2019 7:54:42 AM



#90
Benzo(a)pyrene
Concen: 46.479 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion:	252	Resp:	606710
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.2	25.8
125	11.8	10.2	15.4





#91
Dibenzo(a,h)anthracene
Concen: 45.412 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

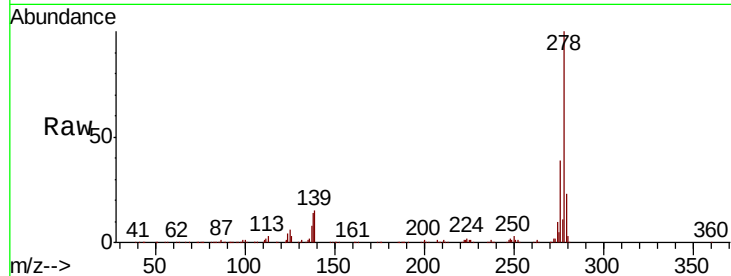
Instrument :
BNA_F
ClientSampleId :
PB122218BSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.4	15.3	22.9
279	23.4	19.0	28.6

Manual Integrations
APPROVED

mohammad

8/29/2019 7:54:42 AM

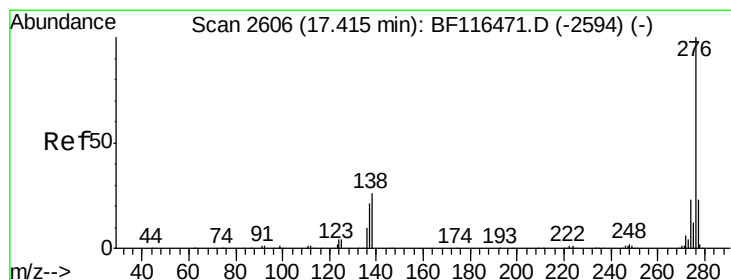
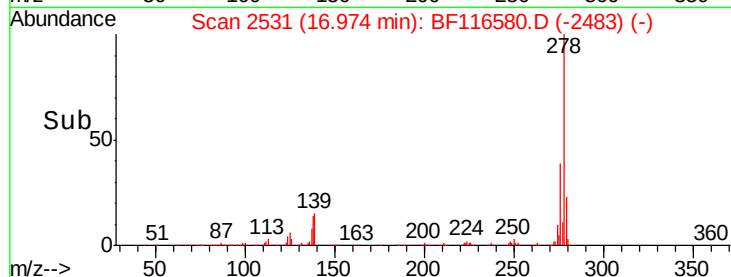
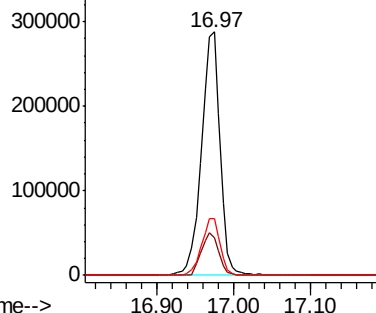


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 45.603 ng
RT: 17.40 min Scan# 2603
Delta R.T. -0.02 min
Lab File: BF116580.D
Acq: 27 Aug 2019 12:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.7	28.1
138	23.1	20.8	31.2

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

