

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116579.D
 Acq On : 27 Aug 2019 12:29
 Operator : HP/JU
 Sample : PB122218BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB122218BS

Manual Integrations
 APPROVED

mohammad
 8/29/2019 7:54:40 AM

Quant Time: Aug 27 17:54:08 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	66621	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	276902	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	145897	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	256773	20.00	ng	0.00
76) Chrysene-d12	14.03	240	174705	20.00	ng	0.00
87) Perylene-d12	15.49	264	144733	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	460475	100.99	ng	0.00
7) Phenol-d6	6.50	99	579517	103.66	ng	0.00
23) Nitrobenzene-d5	7.43	82	346546	68.47	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	158633	126.63	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	641072	70.76	ng	0.00
79) Terphenyl-d14	12.97	244	677999	72.49	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.75	88	83342	42.217	ng	97
3) Pyridine	3.49	79	206396	34.332	ng	98
4) n-Nitrosodimethylamine	3.43	42	99815	45.481	ng	# 93
6) Aniline	6.53	93	231885	30.637	ng	99
8) 2-Chlorophenol	6.66	128	198211	41.426	ng	99
9) Benzaldehyde	6.42	77	147800	39.567	ng	98
10) Phenol	6.52	94	257868	42.476	ng	96
11) bis(2-Chloroethyl)ether	6.61	93	183980	39.802	ng	98
12) 1,3-Dichlorobenzene	6.82	146	211858	40.908	ng	99
13) 1,4-Dichlorobenzene	6.89	146	215250	43.185	ng	98
14) 1,2-Dichlorobenzene	7.05	146	204739	43.542	ng	97
15) Benzyl Alcohol	7.02	79	190624	42.133	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.15	45	214981	33.637	ng	96
17) 2-Methylphenol	7.13	107	170090	42.905	ng	98
18) Hexachloroethane	7.39	117	81357	41.852	ng	95
19) n-Nitroso-di-n-propylamine	7.29	70	147304	38.614	ng	97
20) 3+4-Methylphenols	7.27	107	216306	44.541	ng	89
22) Acetophenone	7.28	105	294830	42.580	ng	# 95
24) Nitrobenzene	7.45	77	227100	43.328	ng	94
25) Isophorone	7.69	82	401763	40.281	ng	99
26) 2-Nitrophenol	7.77	139	105792	55.257	ng	97
27) 2,4-Dimethylphenol	7.81	122	179212	44.861	ng	96
28) bis(2-Chloroethoxy)methane	7.90	93	234522	38.075	ng	100
29) 2,4-Dichlorophenol	8.01	162	167690	44.140	ng	98
30) 1,2,4-Trichlorobenzene	8.10	180	183902	42.999	ng	98
31) Naphthalene	8.18	128	587606	43.867	ng	100
32) Benzoic acid	7.92	122	120962	47.365	ng	96
33) 4-Chloroaniline	8.22	127	131776	22.409	ng	99
34) Hexachlorobutadiene	8.30	225	105062	45.043	ng	98
35) Caprolactam	8.58	113	50058m	37.828	ng	
36) 4-Chloro-3-methylphenol	8.70	107	190552	44.454	ng	98
37) 2-Methylnaphthalene	8.87	142	395949	43.050	ng	96
38) 1-Methylnaphthalene	8.97	142	366414	42.648	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.04	216	172071	43.837	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.03	237	219730	104.043	nq	99
43) 2,4,6-Trichlorophenol	9.15	196	119204	43.391	nq	97
44) 2,4,5-Trichlorophenol	9.18	196	126093	45.109	nq	99
46) 1,1'-Biphenyl	9.33	154	493882	42.340	nq	99
47) 2-Chloronaphthalene	9.36	162	380049	42.026	nq	98
48) 2-Nitroaniline	9.45	65	119170	43.039	nq	96
49) Acenaphthylene	9.77	152	584065	44.145	nq	99
50) Dimethylphthalate	9.63	163	437578	42.987	nq	99
51) 2,6-Dinitrotoluene	9.69	165	96782	46.451	nq	94
52) Acenaphthene	9.95	154	406940	47.933	nq	99
53) 3-Nitroaniline	9.85	138	71542	28.806	nq	96
54) 2,4-Dinitrophenol	9.96	184	88075	105.016	nq	# 1
55) Dibenzofuran	10.12	168	518451	43.809	nq	96
56) 4-Nitrophenol	10.02	139	161590	83.709	nq	93
57) 2,4-Dinitrotoluene	10.09	165	131931	49.762	nq	88
58) Fluorene	10.46	166	412223	44.834	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.23	232	102074m	44.473	nq	
60) Diethylphthalate	10.33	149	436346	43.613	nq	99
61) 4-Chlorophenyl-phenylether	10.45	204	198980	44.360	nq	98
62) 4-Nitroaniline	10.47	138	105835	43.571	nq	95
63) Azobenzene	10.61	77	439595	42.733	nq	97
65) 4,6-Dinitro-2-methylphenol	10.50	198	62807	57.952	nq	93
66) n-Nitrosodiphenylamine	10.56	169	358127	43.074	nq	100
67) 4-Bromophenyl-phenylether	10.94	248	115254	42.814	nq	95
68) Hexachlorobenzene	11.01	284	122902	41.278	nq	96
69) Atrazine	11.09	200	105887	42.506	nq	98
70) Pentachlorophenol	11.20	266	154552	88.969	nq	100
71) Phenanthrene	11.42	178	610238	43.626	nq	99
72) Anthracene	11.47	178	623958	44.391	nq	100
73) Carbazole	11.62	167	541399	42.911	nq	99
74) Di-n-butylphthalate	11.95	149	665112	42.542	nq	99
75) Fluoranthene	12.60	202	613561	42.427	nq	99
77) Benzidine	12.72	184	295293	42.011	nq	97
78) Pyrene	12.83	202	624948	44.731	nq	99
80) Butylbenzylphthalate	13.44	149	269889	44.730	nq	92
81) Benzo(a)anthracene	14.02	228	494844	43.733	nq	99
82) 3,3'-Dichlorobenzidine	13.97	252	121218	30.062	nq	98
83) Chrysene	14.06	228	489387	42.672	nq	99
84) Bis(2-ethylhexyl)phthalate	14.01	149	355773	44.219	nq	97
85) Di-n-octyl phthalate	14.62	149	554117	40.567	nq	98
86) Indeno(1,2,3-cd)pyrene	16.95	276	348379	35.462	nq	96
88) Benzo(b)fluoranthene	15.06	252	437586	48.942	nq	97
89) Benzo(k)fluoranthene	15.09	252	378154	46.686	nq	99
90) Benzo(a)pyrene	15.43	252	370417	46.876	nq	99
91) Dibenzo(a,h)anthracene	16.97	278	292381	45.029	nq	96
92) Benzo(g,h,i)perylene	17.39	276	285693	46.152	nq	95

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

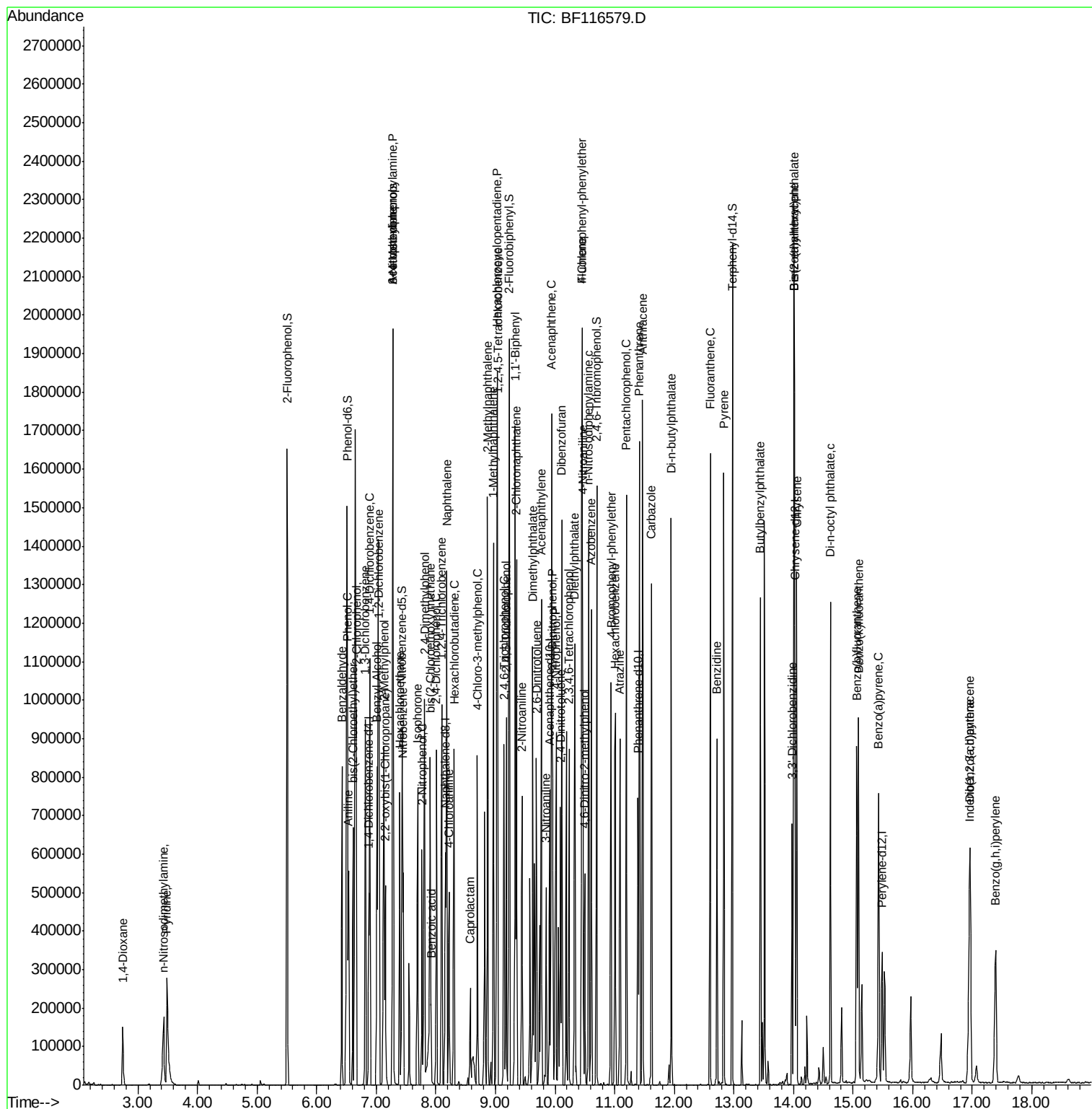
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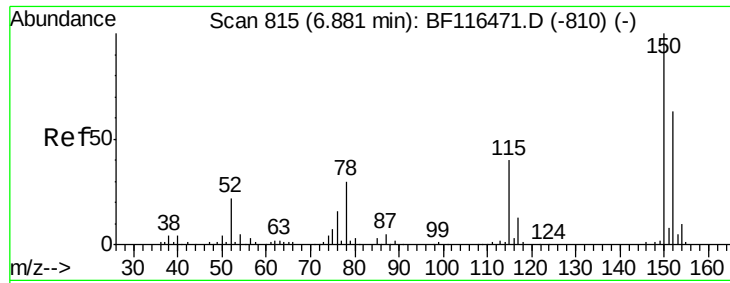
Instrument :
BNA_F
ClientSampleId :
PB122218BS

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#1

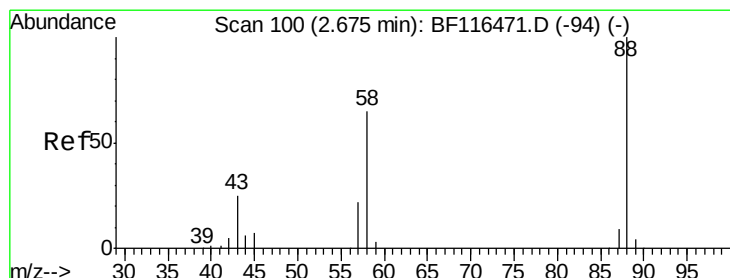
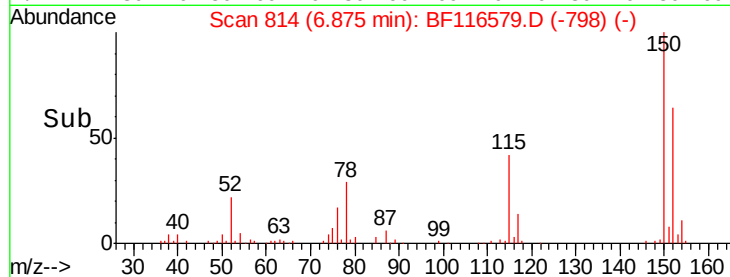
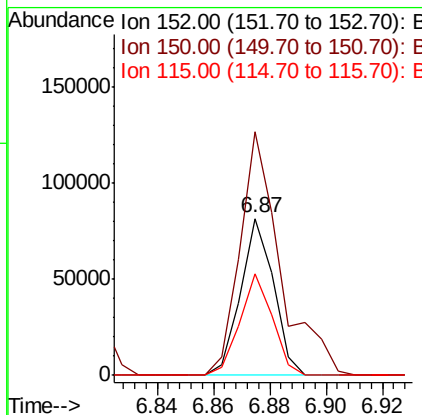
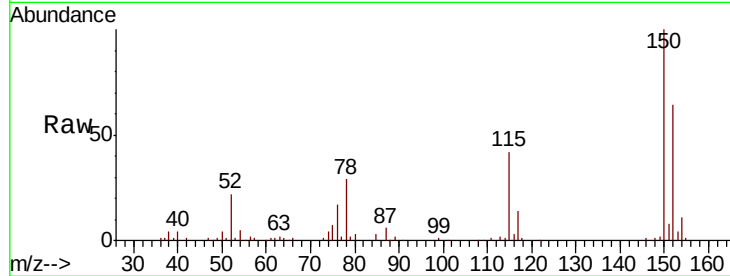
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.7	190.1
115	64.7	50.9	76.3

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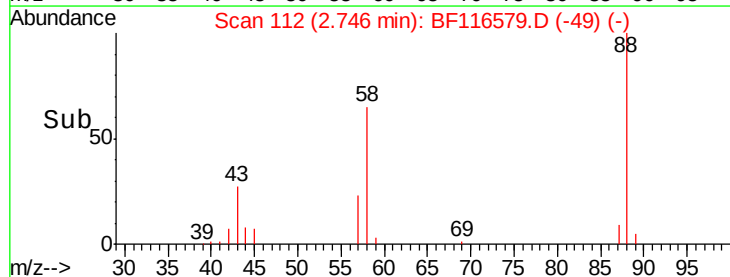
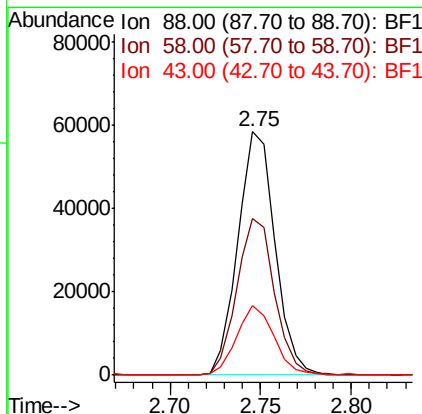
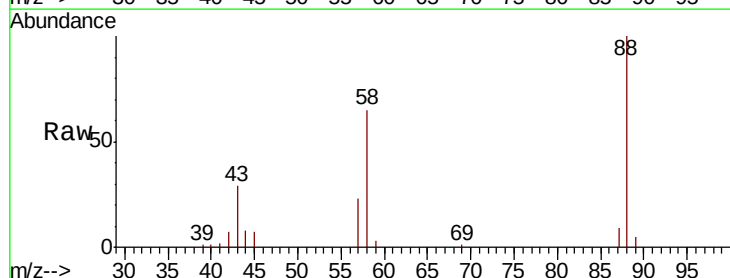
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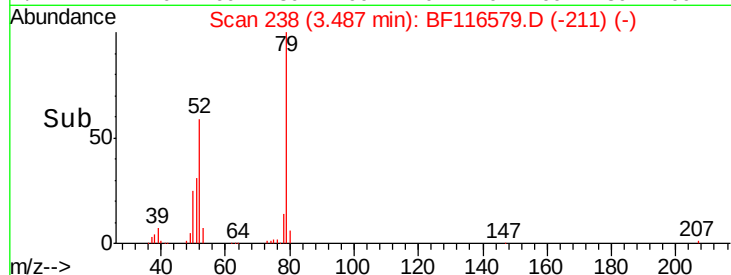
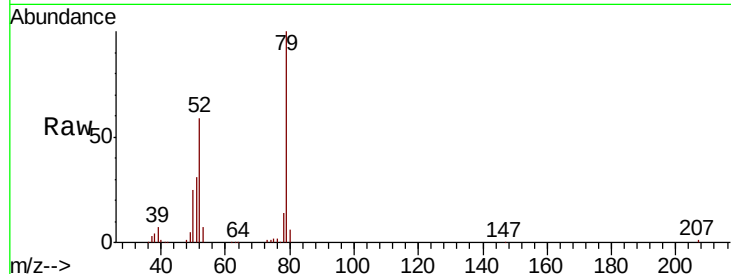
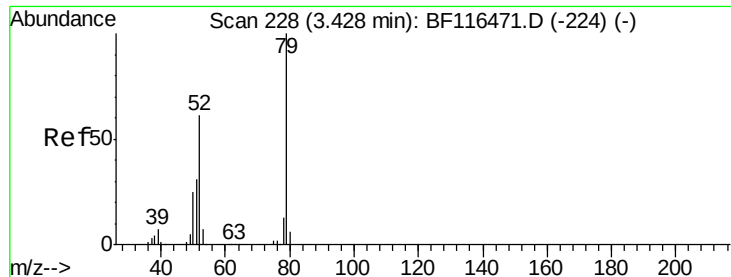


#2

1,4-Dioxane
Concen: 42.217 ng
RT: 2.75 min Scan# 112
Delta R.T. 0.07 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.2	53.4	80.0
43	28.7	21.2	31.8





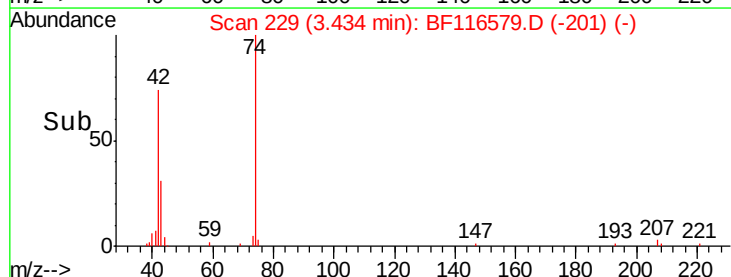
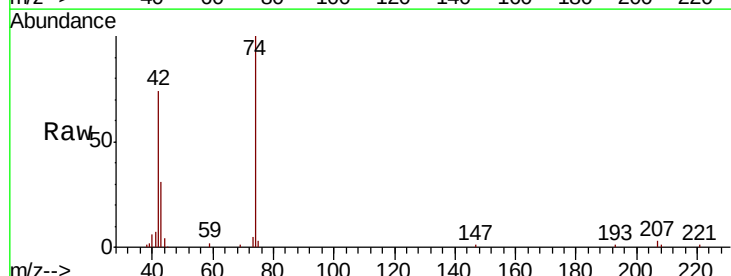
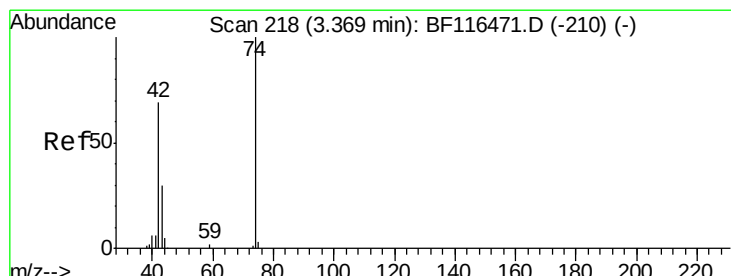
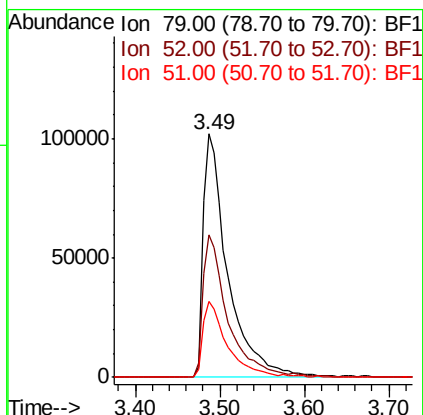
#3
 Pvridine
 Concen: 34.332 ng
 RT: 3.49 min Scan# 238
 Delta R.T. 0.06 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Tot Ion	Ratio	Lower	Upper
79	100		
52	58.5	48.8	73.2
51	31.0	25.2	37.8

Instrument :
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 ClientSampleId :
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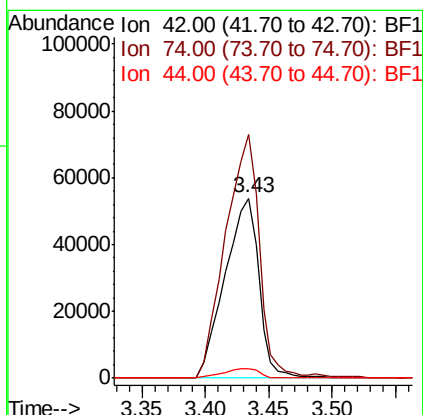
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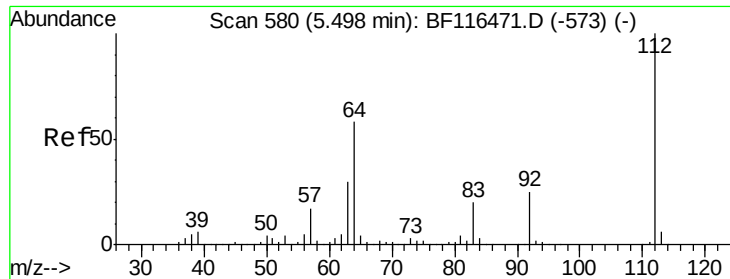
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#4
 n-Nitrosodimethylamine
 Concen: 45.481 ng
 RT: 3.43 min Scan# 229
 Delta R.T. 0.06 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
42	100		
74	135.3	115.3	172.9
44	5.4	5.8	8.8#





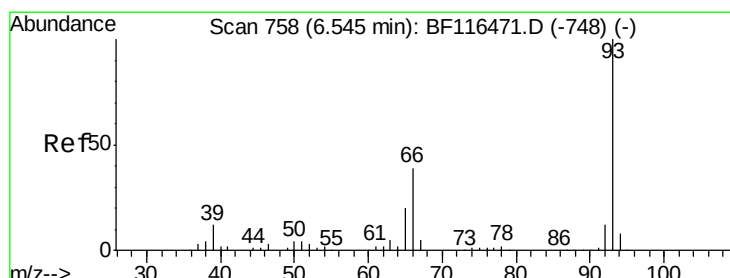
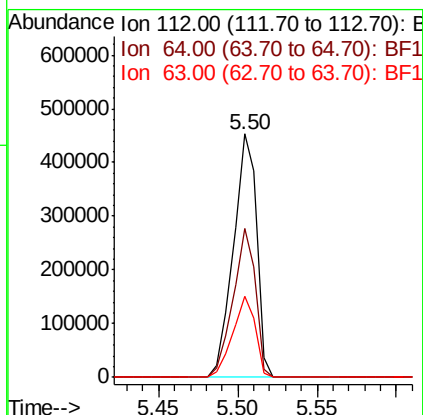
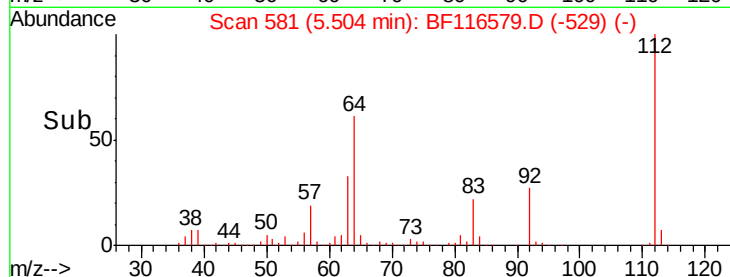
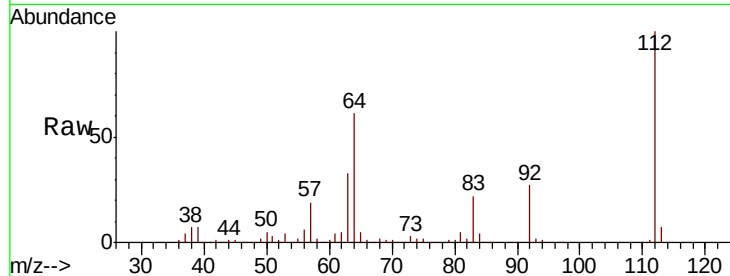
#5
2-Fluorophenol
Concen: 100.992 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		460475		
64	61.2	46.3	69.5		
63	33.4	24.2	36.4		

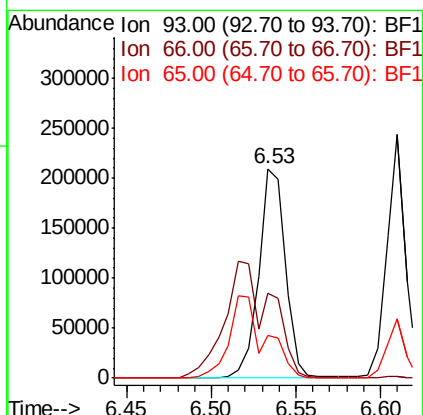
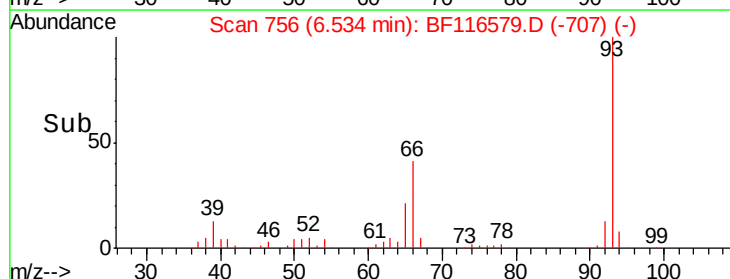
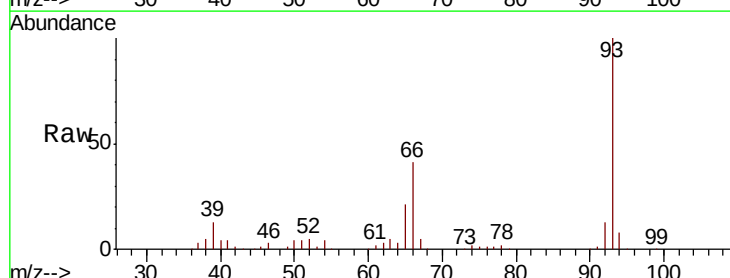
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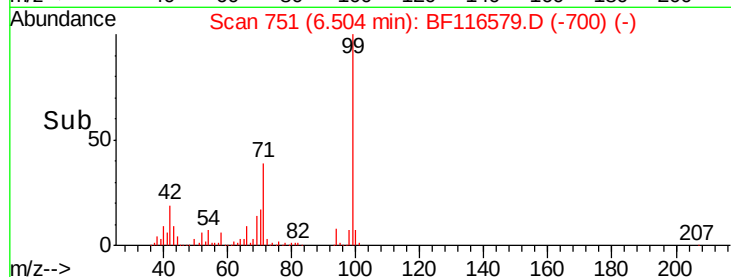
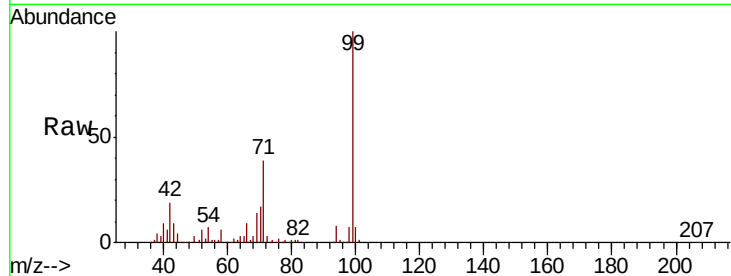
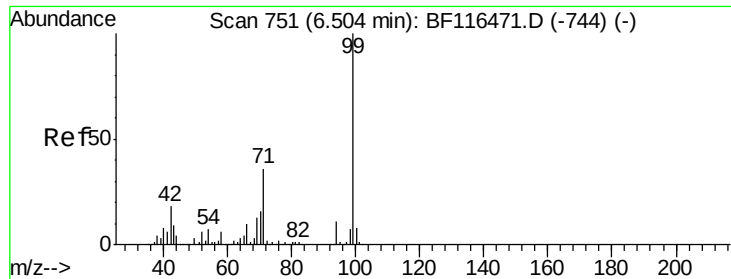
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#6
Aniline
Concen: 30.637 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		231885		
66	40.6	32.2	48.2		
65	20.5	16.3	24.5		





#7

Phenol-d6

Concen: 103.659 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		579517		
42	19.0	14.6	21.8		
71	39.3	28.5	42.7		

Instrument :

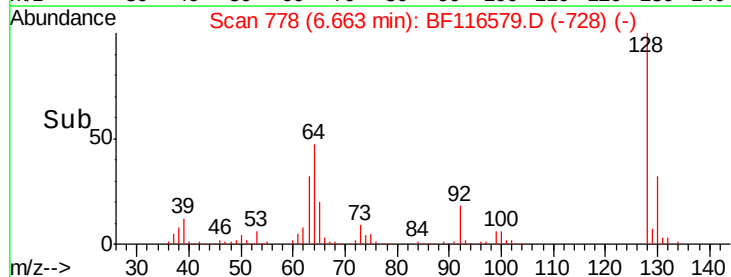
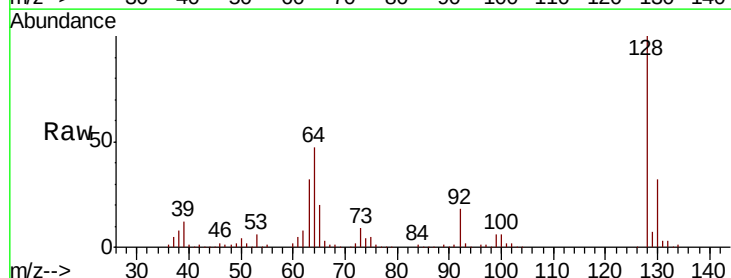
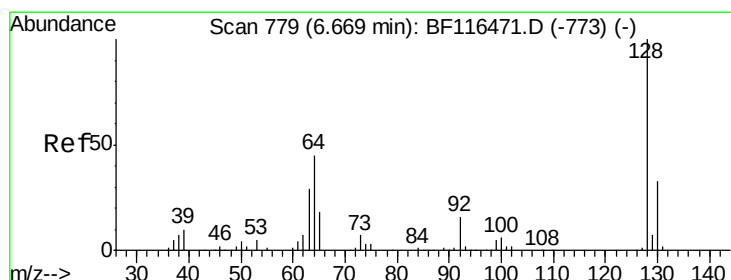
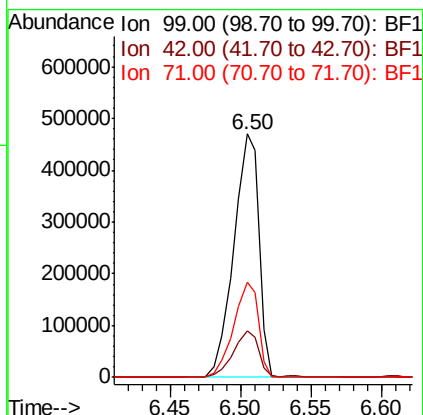
BNA_F

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#8

2-Chlorophenol

Concen: 41.426 ng

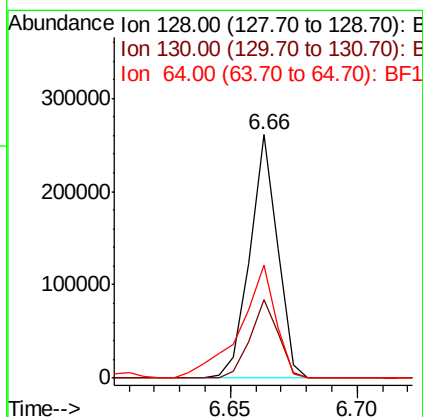
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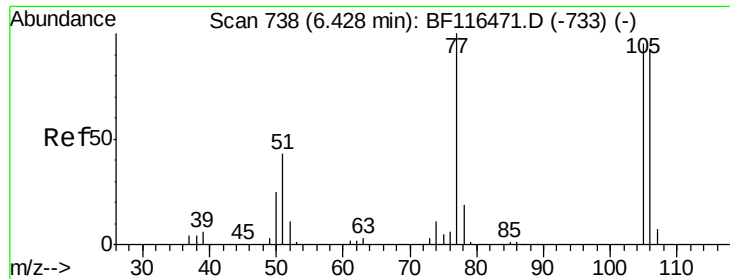
Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		198211		
130	32.2	13.4	53.4		
64	46.6	26.3	66.3		





#9

Benzaldehyde

Concen: 39.567 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Instrument :

BNA_F

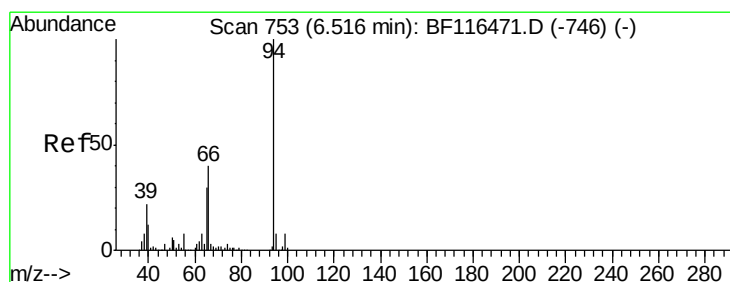
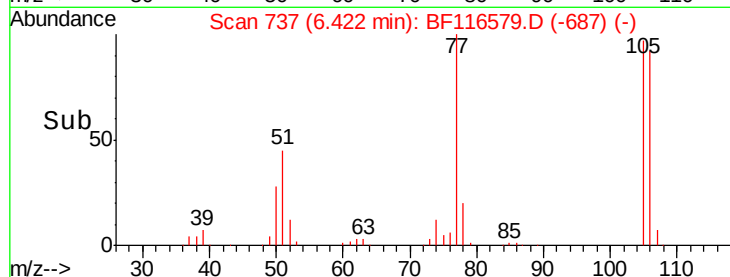
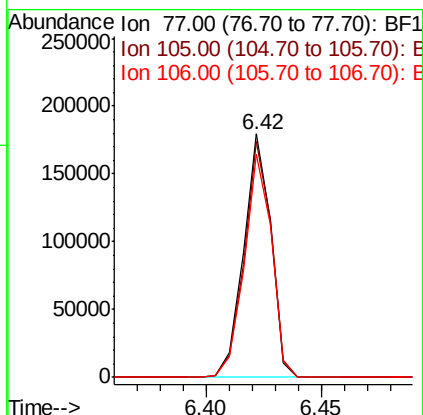
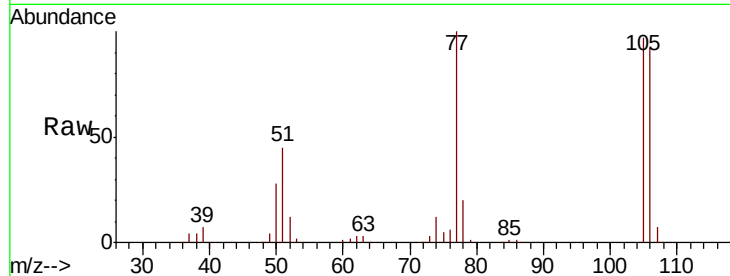
ClientSampleId :

PB122218BS

Tot Ion:	77	Resp:	147800
Ion	Ratio	Lower	Upper
77	100		
105	97.1	75.5	115.5
106	91.6	73.2	113.2

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#10

Phenol

Concen: 42.476 ng

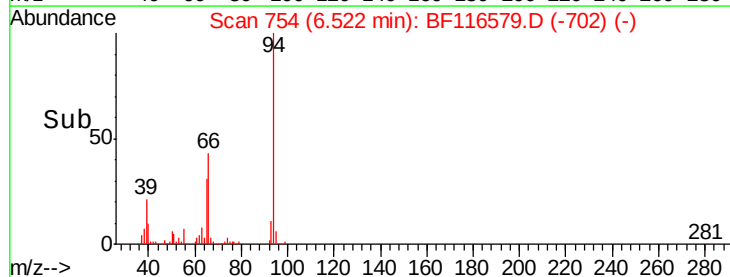
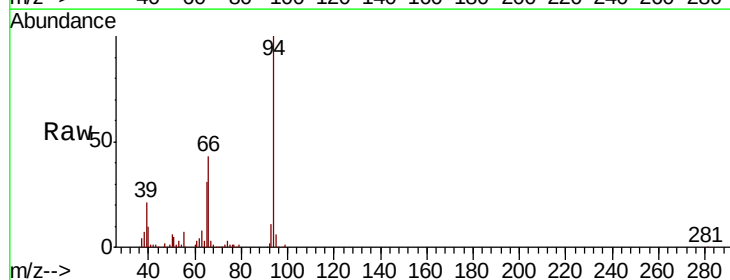
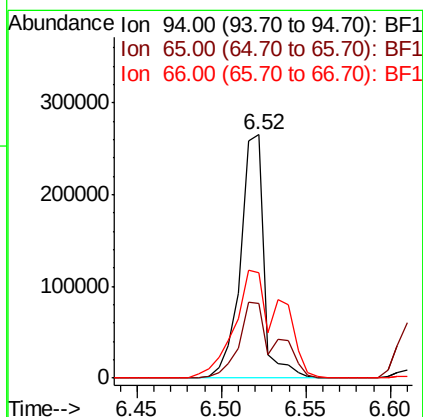
RT: 6.52 min Scan# 754

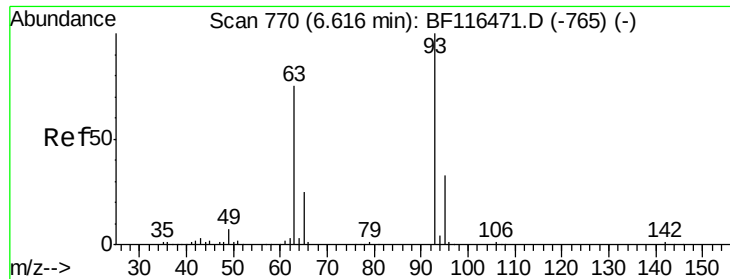
Delta R.T. 0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Tgt Ion:	94	Resp:	257868
Ion	Ratio	Lower	Upper
94	100		
65	30.6	10.0	50.0
66	43.3	19.8	59.8





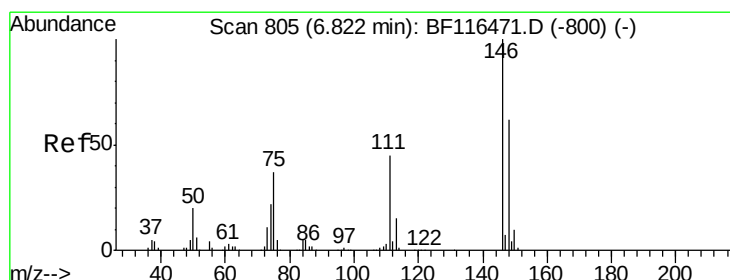
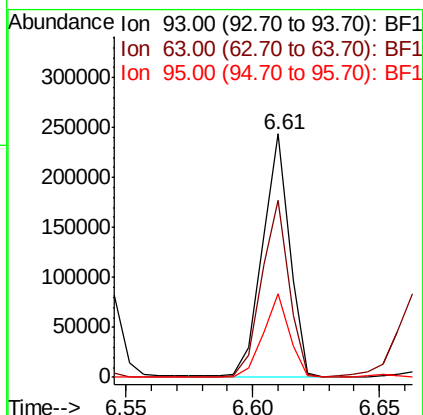
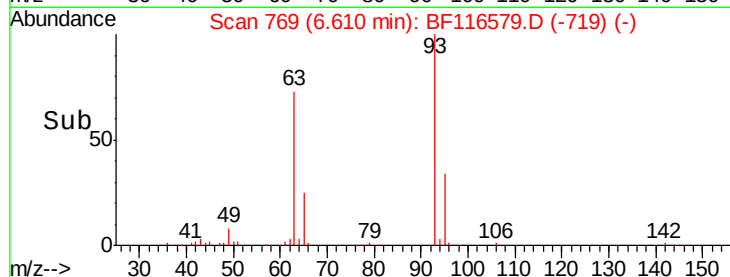
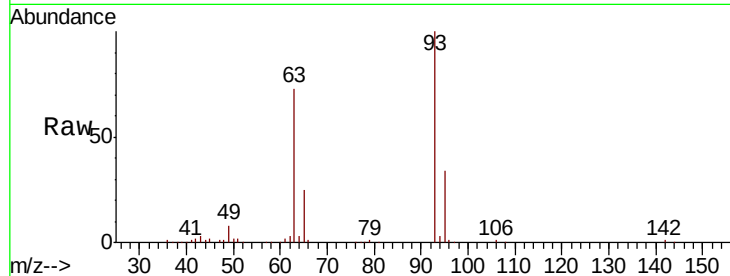
#11
bis(2-Chloroethyl)ether
Concen: 39.802 ng
RT: 6.61 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion:	93	Resp:	183980
Ion	Ratio	Lower	Upper
93	100		
63	72.9	54.3	94.3
95	34.1	13.3	53.3

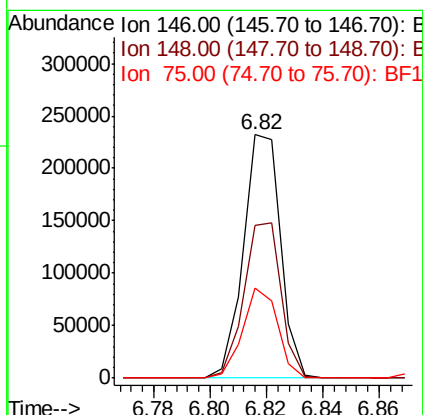
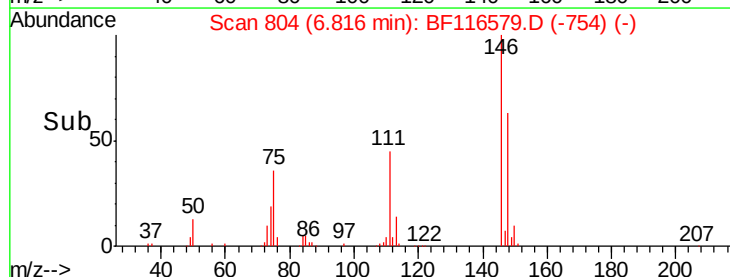
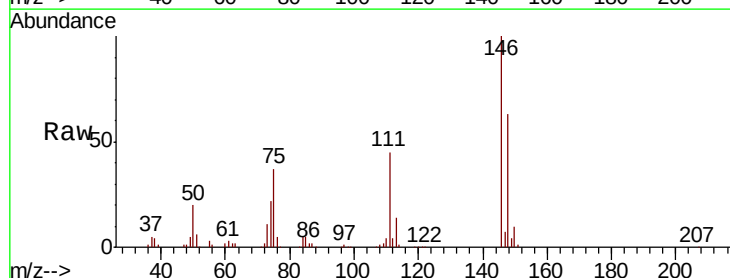
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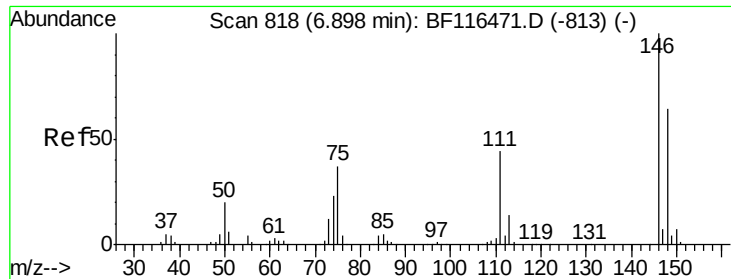
mohammad
8/29/2019 7:54:40 AM



#12
1,3-Dichlorobenzene
Concen: 40.908 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion:	146	Resp:	211858
Ion	Ratio	Lower	Upper
146	100		
148	62.8	49.8	74.8
75	37.1	29.3	43.9





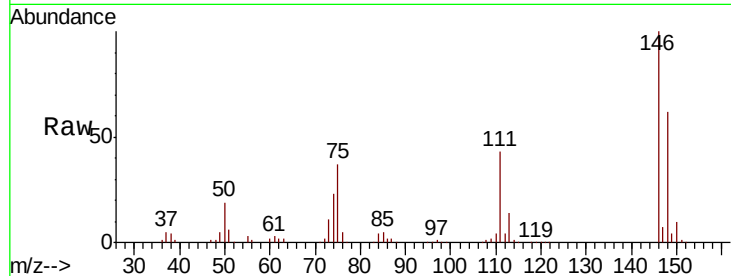
#13
 1,4-Dichlorobenzene
 Concen: 43.185 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 PB122218BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		215250		
148	62.3	51.0		76.4	
111	43.1	35.4		53.2	

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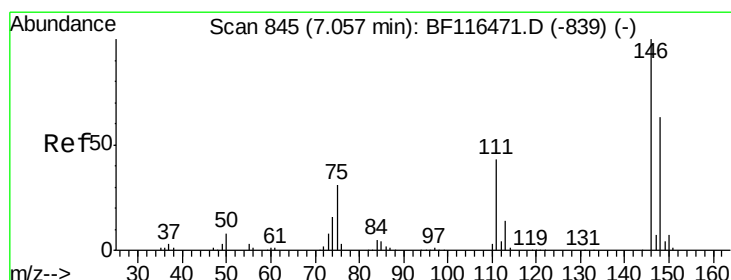
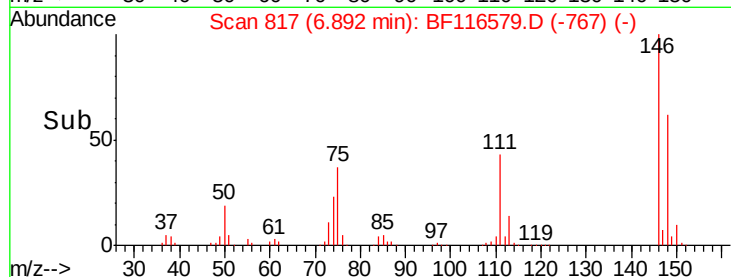
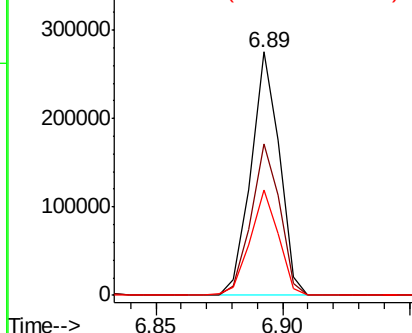


Abundance

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: 43.542 ng
 RT: 7.05 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

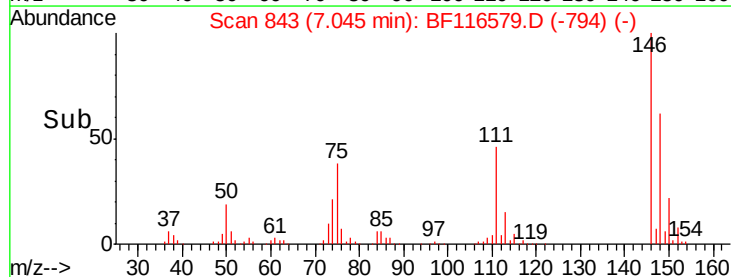
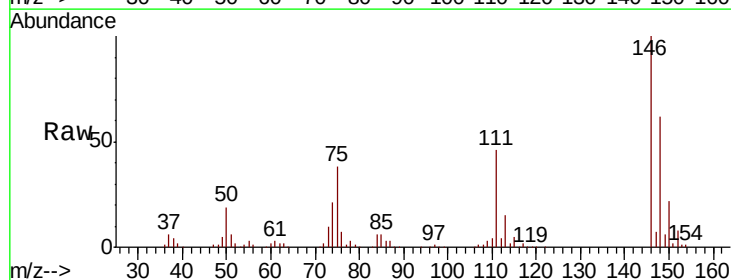
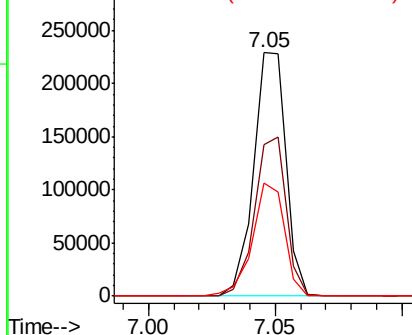
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		204739		
148	62.3	50.8		76.2	
111	46.5	34.5		51.7	

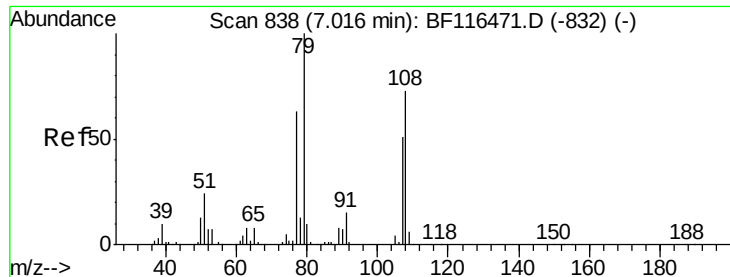
Abundance

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: 42.133 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.00 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Instrument :

BNA_F

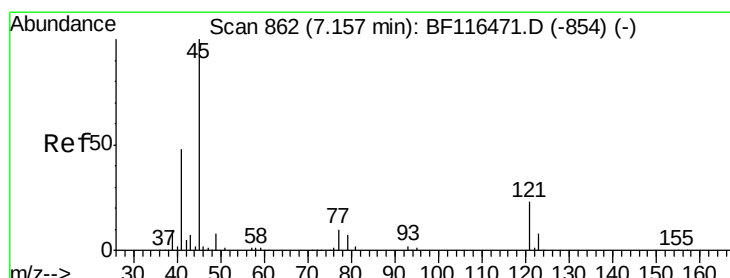
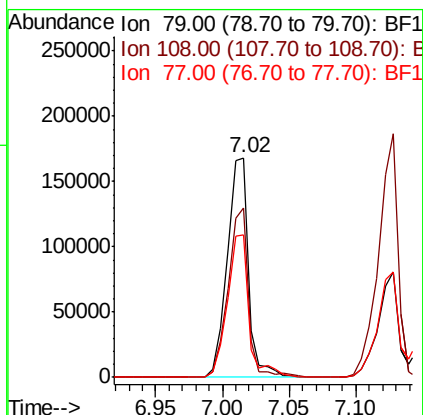
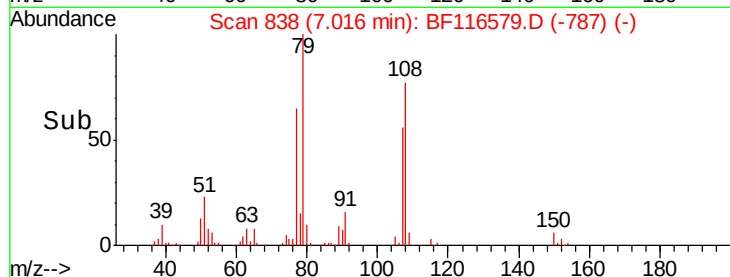
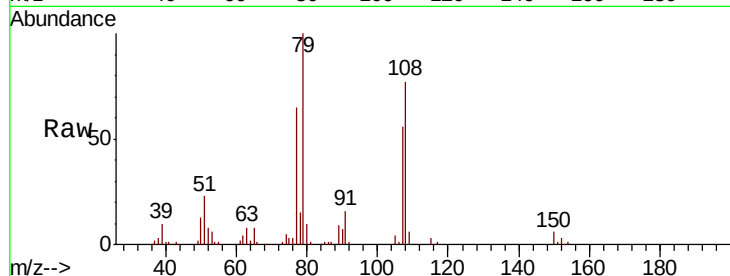
ClientSampled :

PB122218BS

Tot Ion:	79	Resp:	190624
Ion Ratio	Lower	Upper	
79	100		
108	77.1	58.1	87.1
77	64.8	50.6	76.0

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#16

2,2'-oxybis(1-chloropropane)

Concen: 33.637 ng

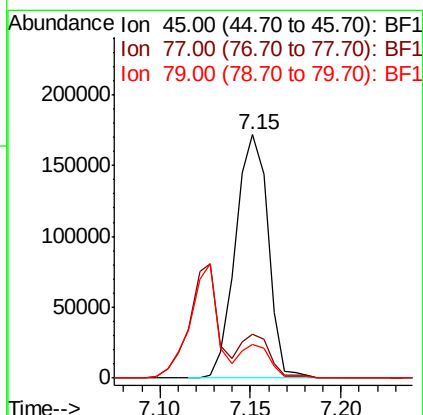
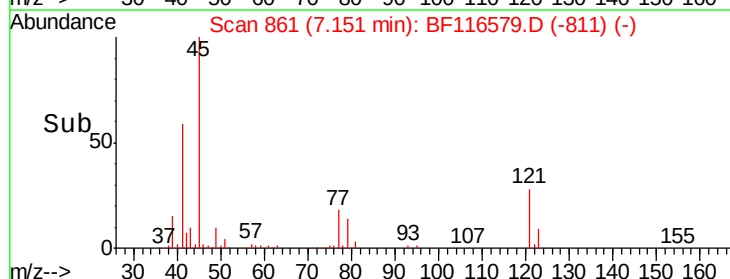
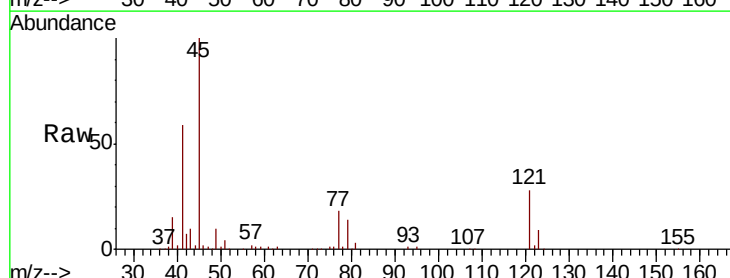
RT: 7.15 min Scan# 861

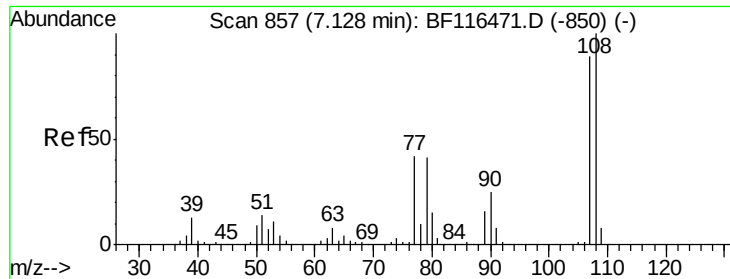
Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Tgt Ion:	45	Resp:	214981
Ion Ratio	Lower	Upper	
45	100		
77	18.0	0.0	36.1
79	13.7	0.0	32.3





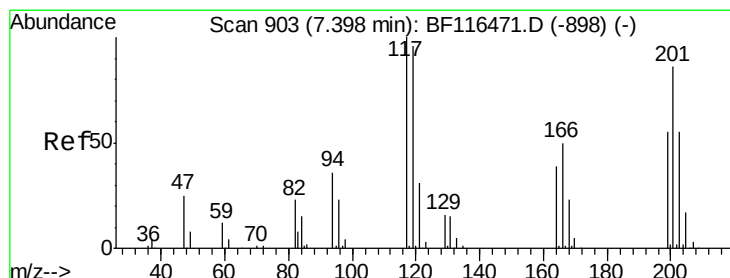
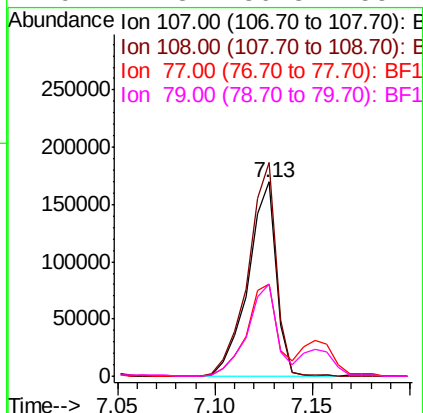
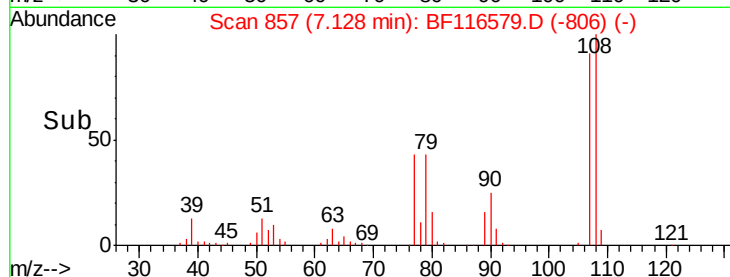
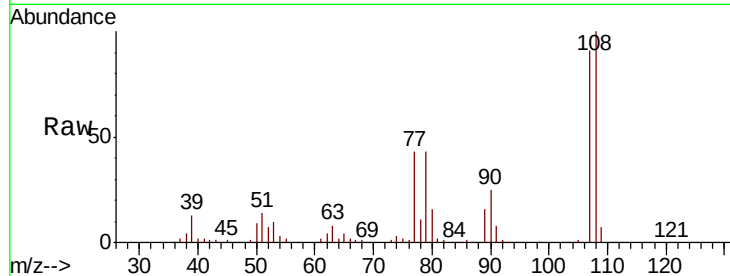
#17
2-Methylphenol
Concen: 42.905 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Lower	Upper
107	100		
108	109.9	90.0	135.0
77	47.3	37.6	56.4
79	47.3	36.8	55.2

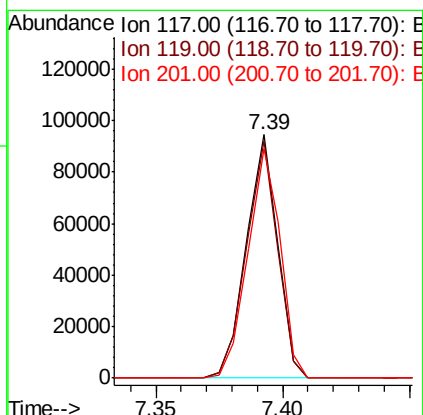
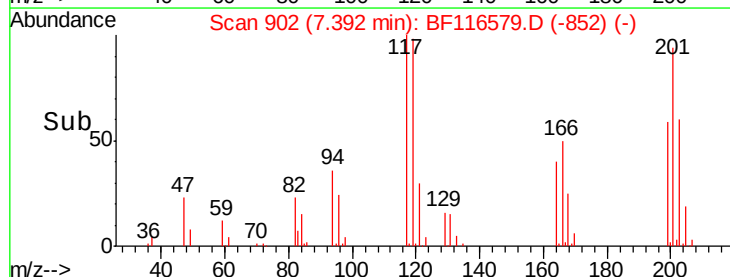
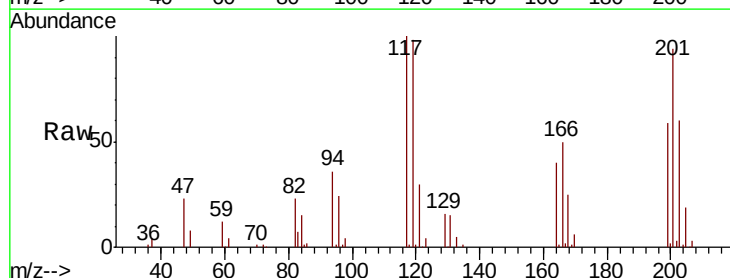
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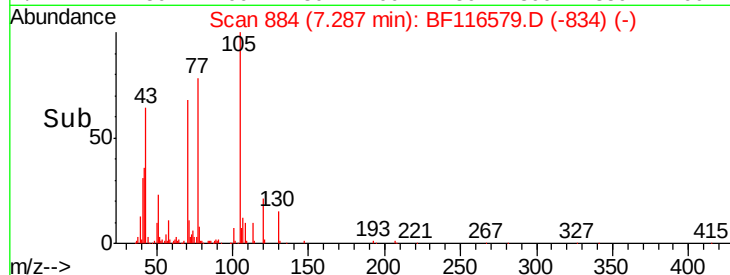
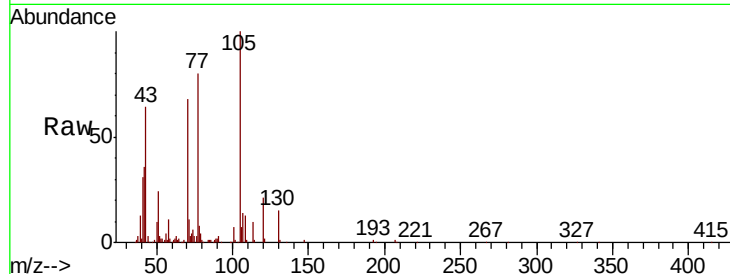
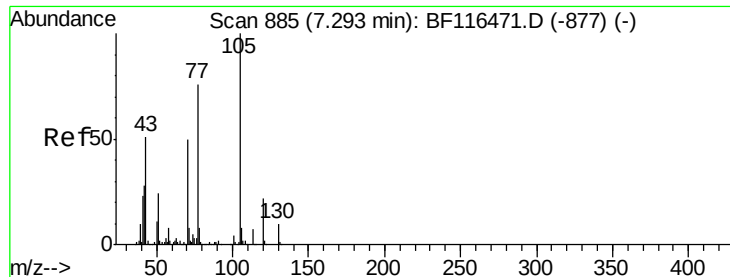
mohammad
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#18
Hexachloroethane
Concen: 41.852 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.0	115.6
201	94.3	69.1	103.7





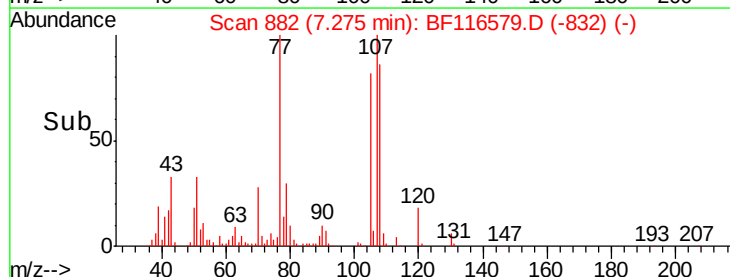
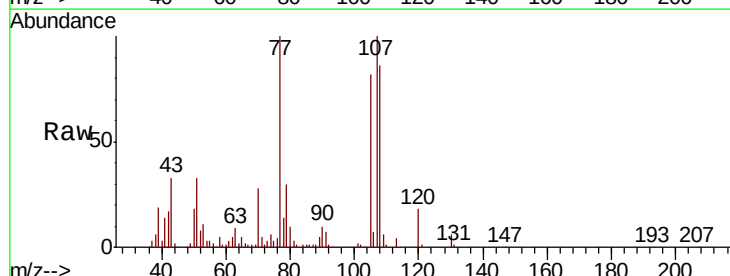
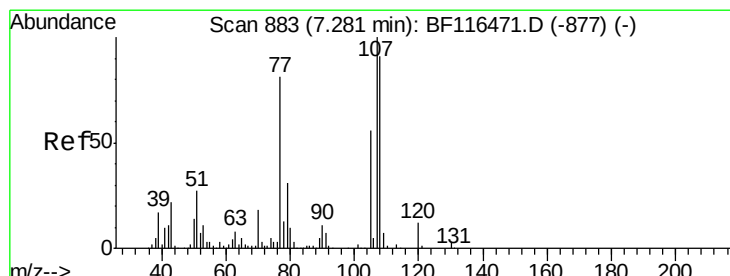
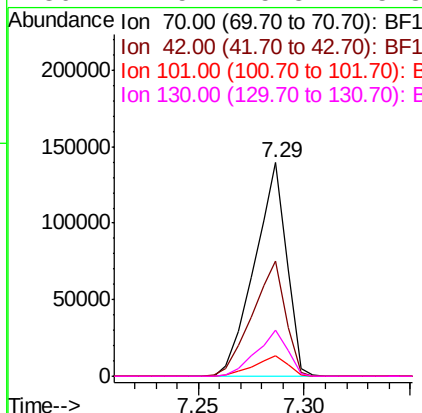
#19
n-Nitroso-di-n-propylamine
Concen: 38.614 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		147304		
42	53.9	44.4	66.6		
101	9.8	7.1	10.7		
130	21.5	15.8	23.8		

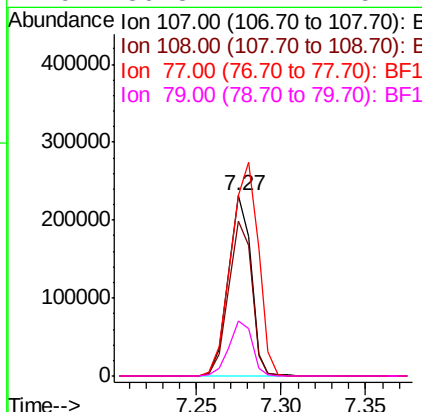
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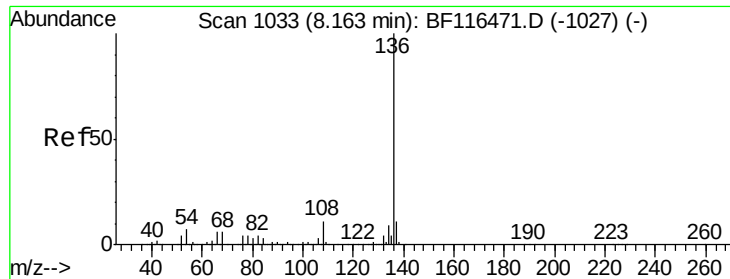
mohammad
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#20
3+4-Methylphenols
Concen: 44.541 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		216306		
108	85.9	70.7	110.7		
77	100.2	60.6	100.6		
79	30.3	11.1	51.1		





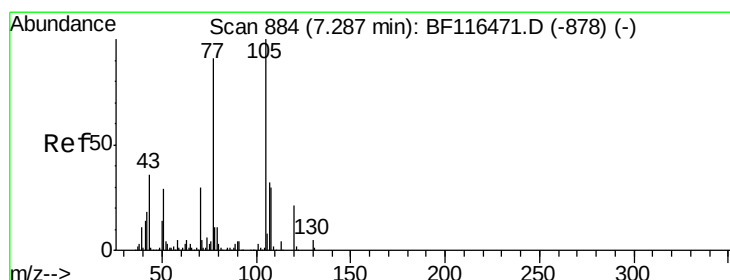
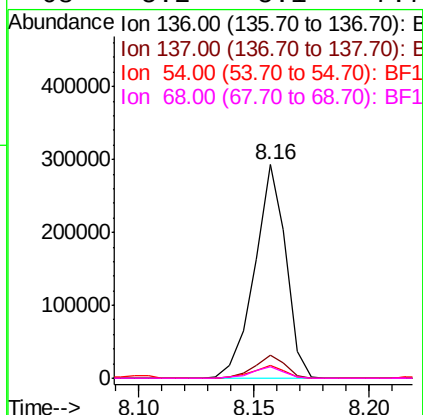
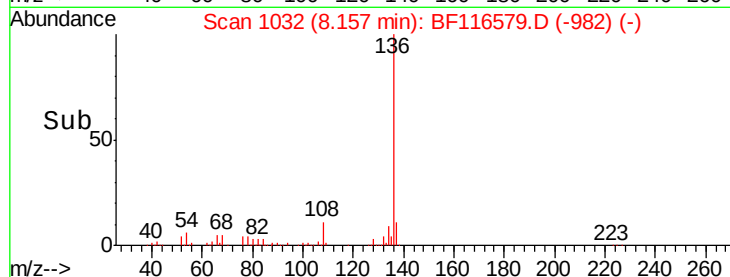
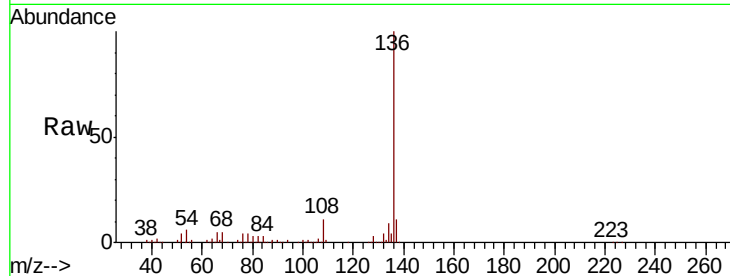
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	276902		
137	10.7		9.0	13.4
54	6.2		5.8	8.6
68	5.2		5.1	7.7

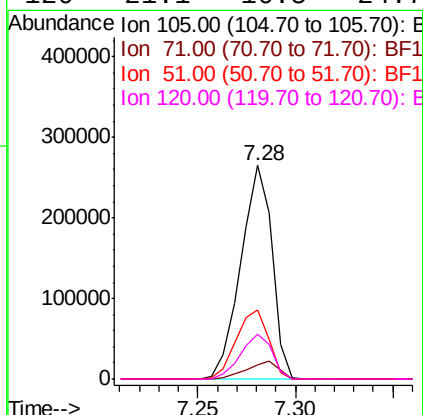
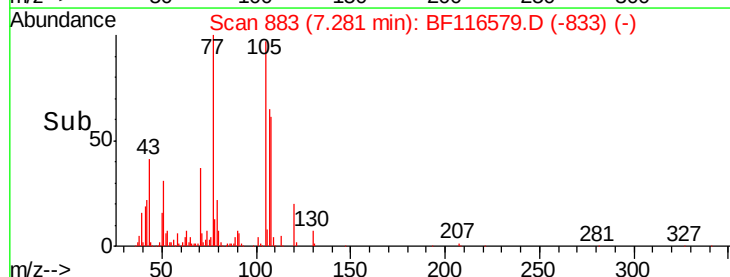
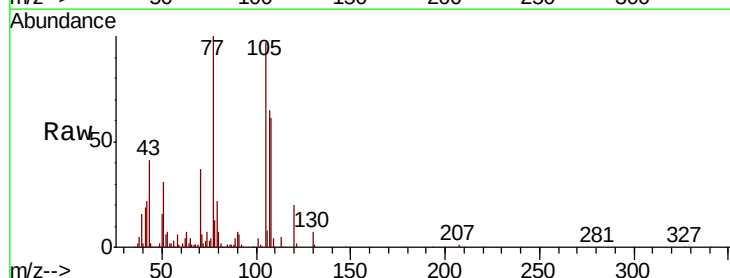
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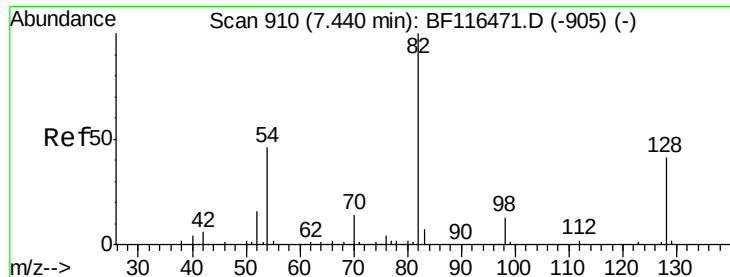
mohammad
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#22
Acetophenone
Concen: 42.580 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294830		
71	6.6		4.2	6.2#
51	32.5		23.0	34.4
120	21.1		16.5	24.7





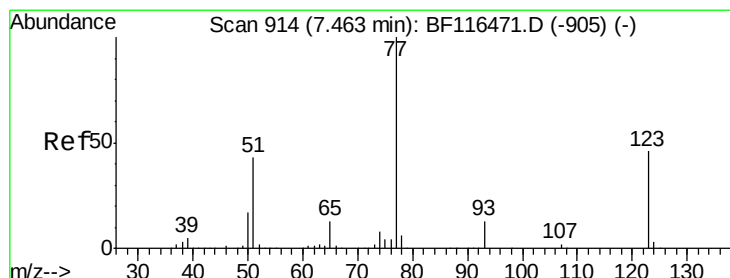
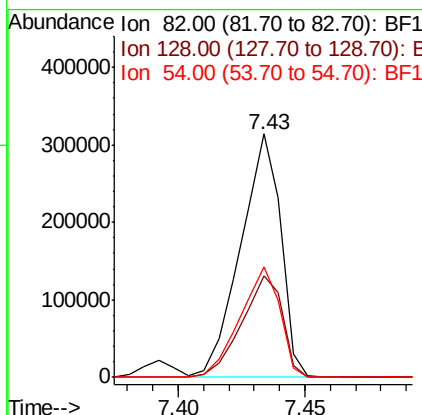
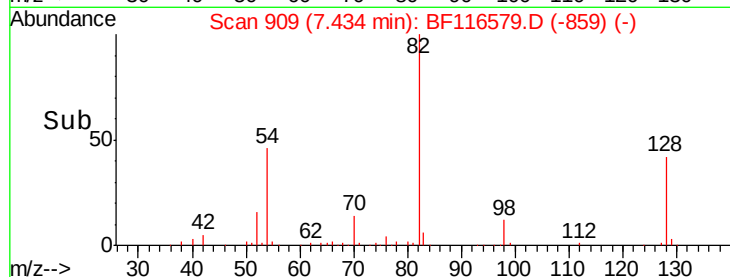
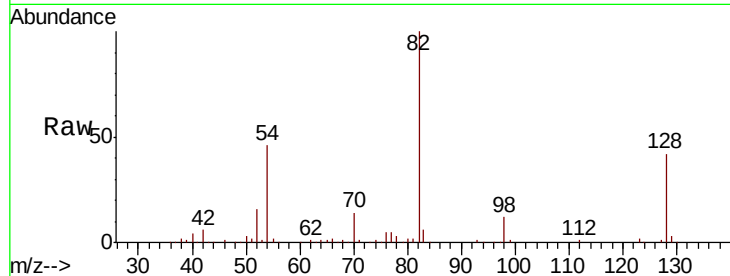
#23
 Nitrobenzene-d5
 Concen: 68.470 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 PB122218BS

Tot Ion:	82	Resp:	346546
Ion Ratio	Lower	Upper	
82	100		
128	41.9	32.2	48.4
54	45.6	36.5	54.7

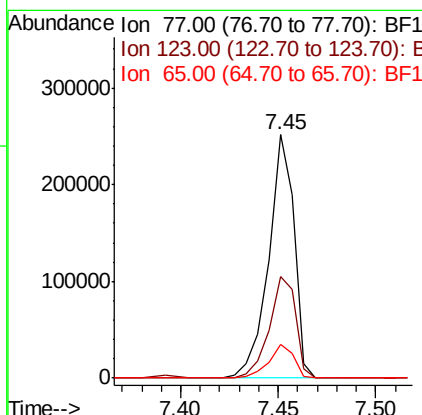
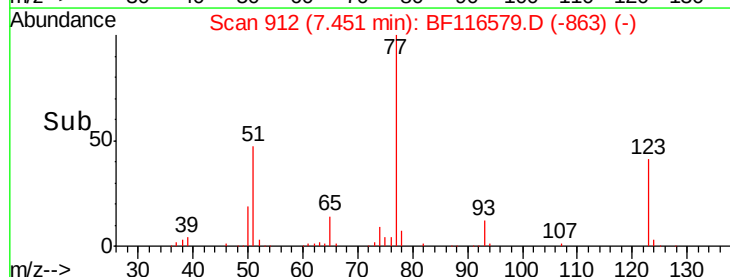
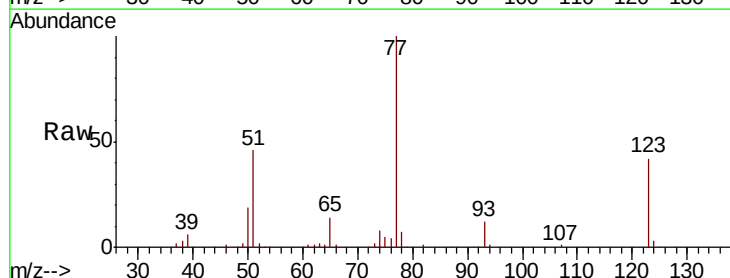
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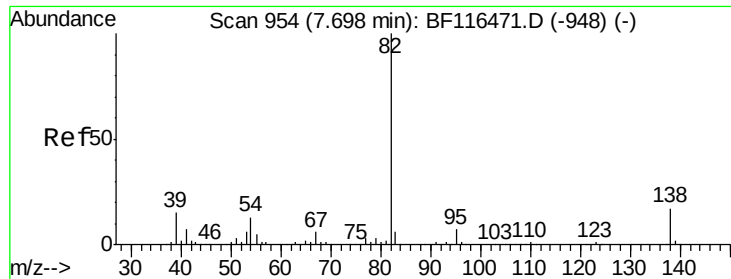
mohammad
 8/29/2019 7:54:40 AM



#24
 Nitrobenzene
 Concen: 43.328 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Tgt Ion:	77	Resp:	227100
Ion Ratio	Lower	Upper	
77	100		
123	41.7	37.0	55.4
65	13.6	10.5	15.7





#25

Isophorone

Concen: 40.281 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Instrument :

BNA_F

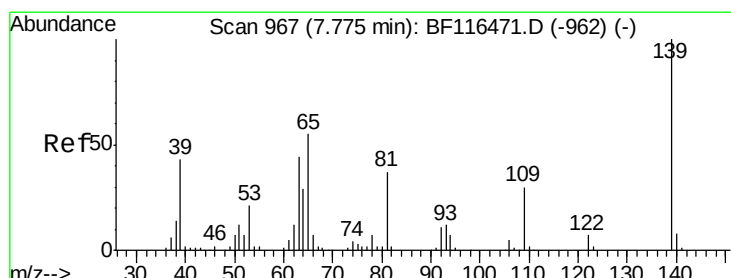
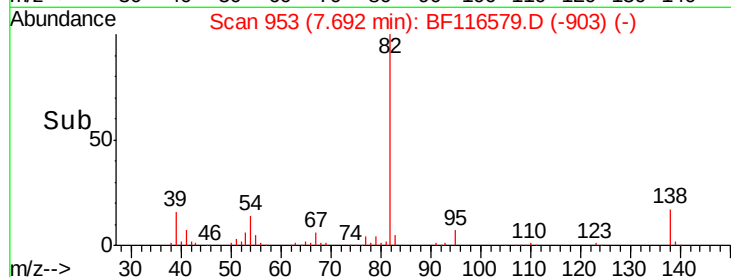
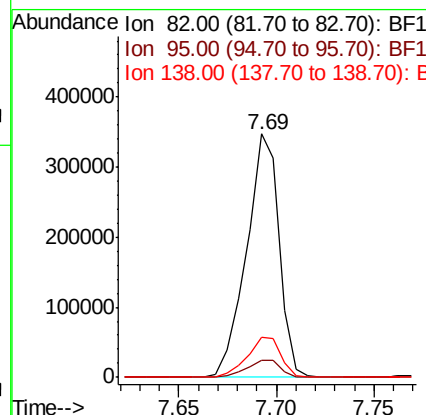
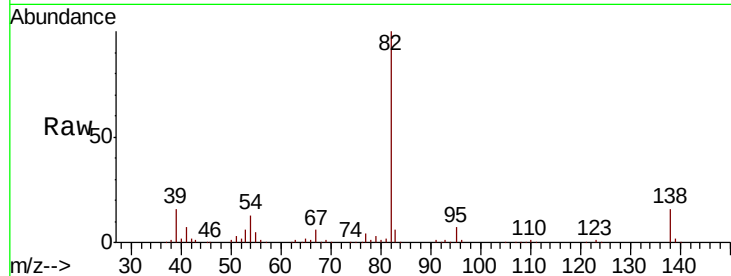
ClientSampleId :

PB122218BS

Tot Ion:	82	Resp:	401763
Ion Ratio		Lower	Upper
82	100		
95	7.2	5.3	7.9
138	16.3	13.3	19.9

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#26

2-Nitrophenol

Concen: 55.257 ng

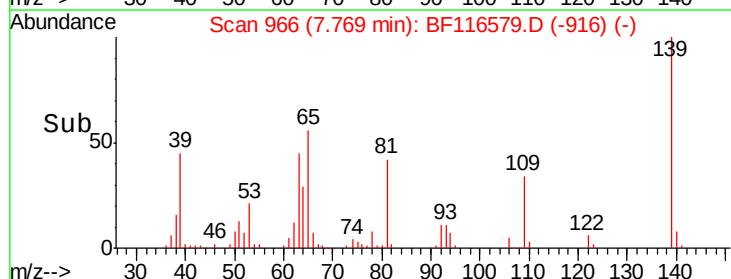
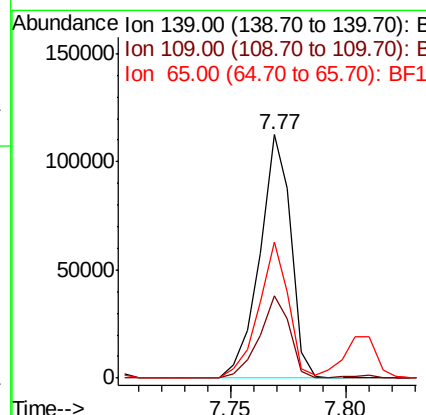
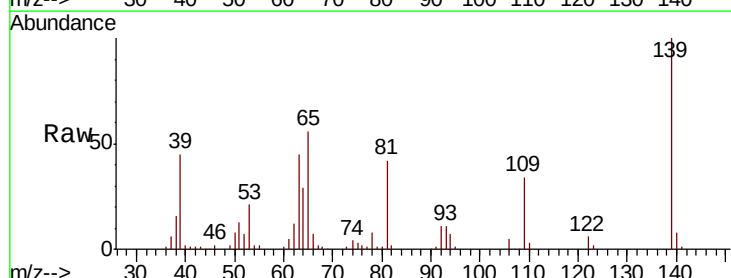
RT: 7.77 min Scan# 966

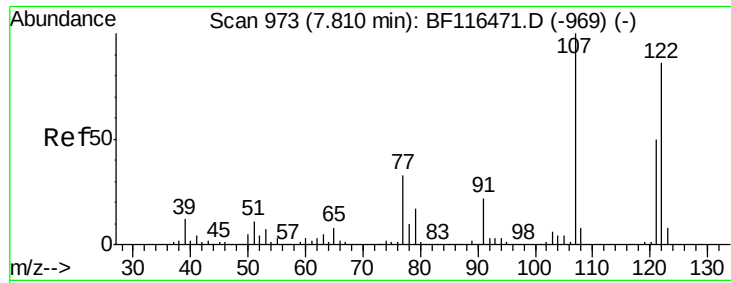
Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Tgt Ion:	139	Resp:	105792
Ion Ratio		Lower	Upper
139	100		
109	33.6	24.3	36.5
65	55.7	44.0	66.0





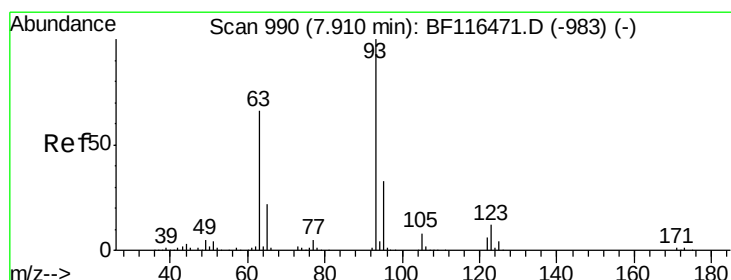
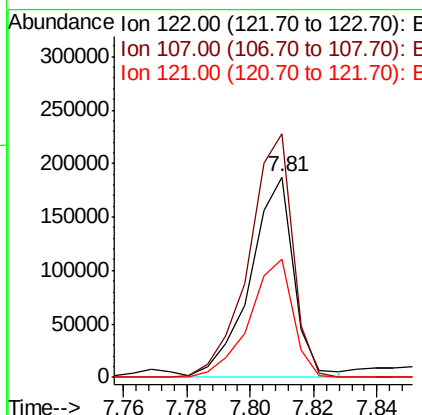
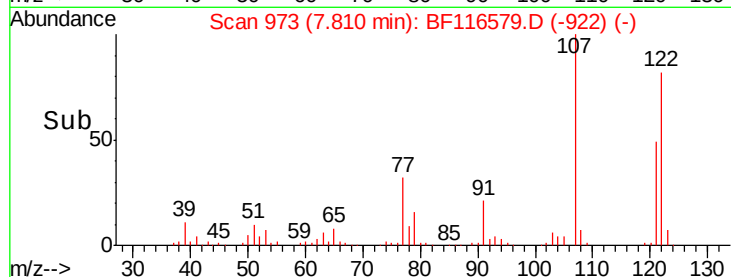
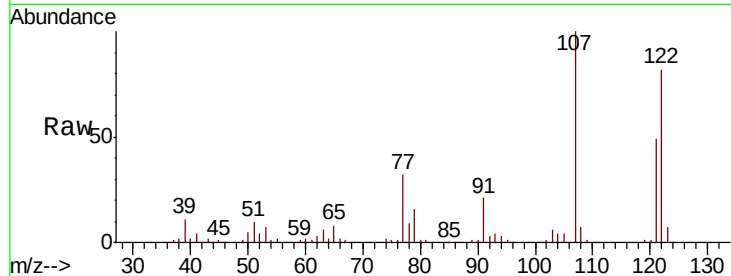
#27
 2,4-Dimethylphenol
 Concen: 44.861 ng
 RT: 7.81 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 PB122218BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	121.6	92.4	138.6
121	59.3	46.2	69.4

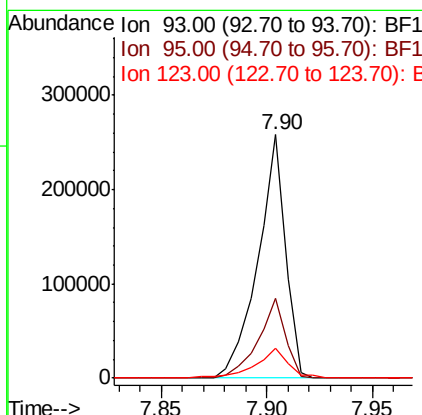
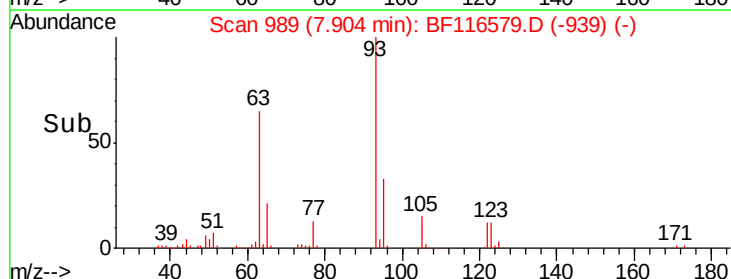
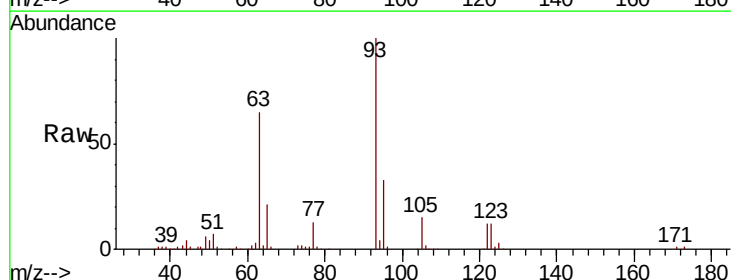
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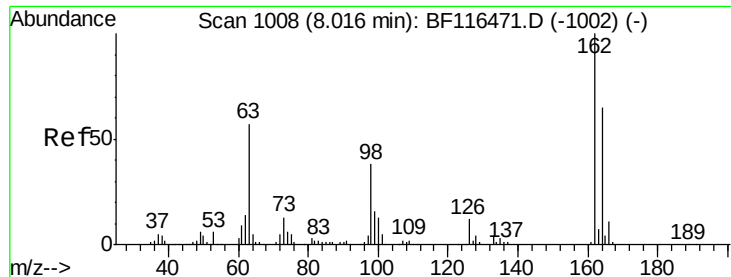
mohammad
 8/29/2019 7:54:40 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 38.075 ng
 RT: 7.90 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.3	39.5
123	12.2	9.8	14.6





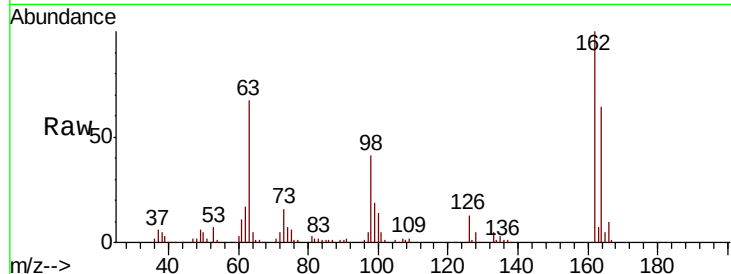
#29
2,4-Dichlorophenol
Concen: 44.140 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	167690		
164	64.4		44.9	84.9
98	40.5		17.9	57.9

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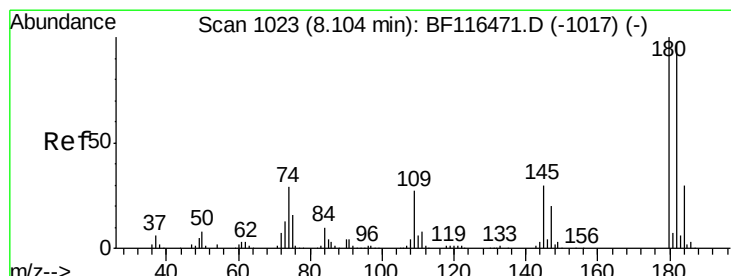
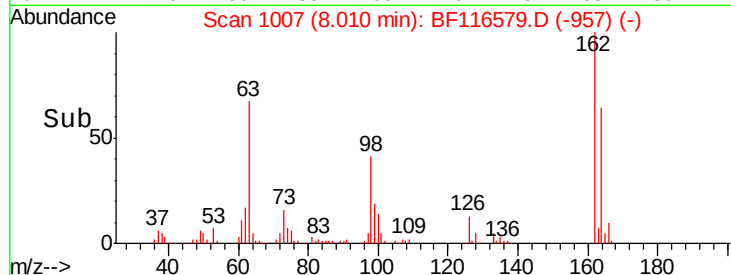
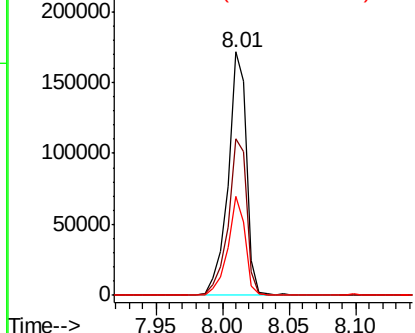


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 42.999 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

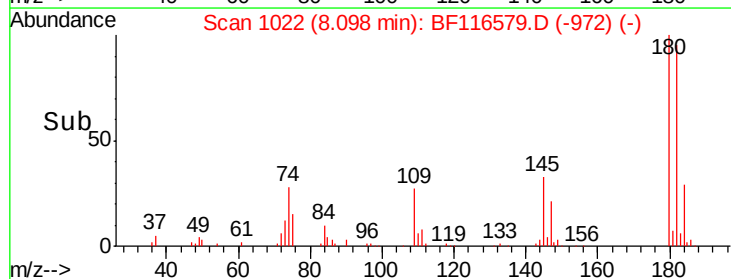
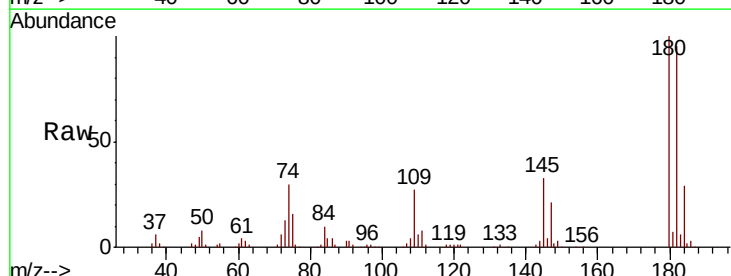
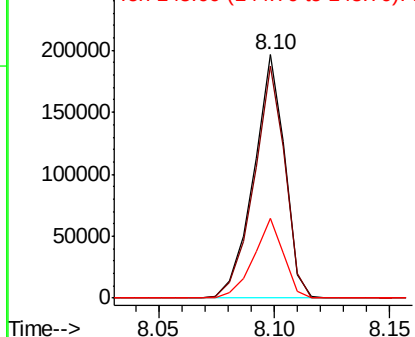
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	183902		
182	95.3		77.4	116.0
145	32.7		24.3	36.5

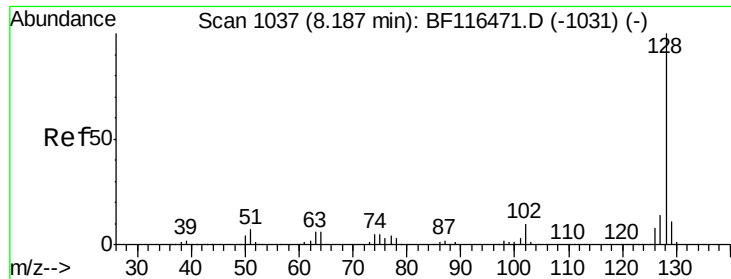
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





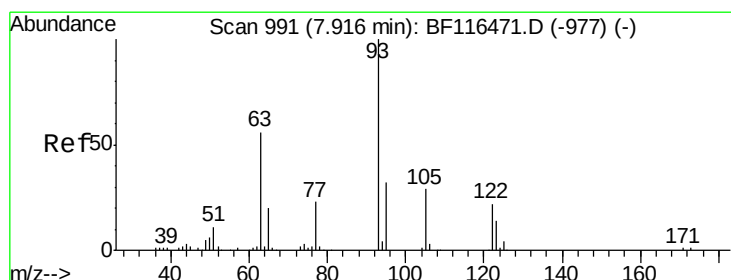
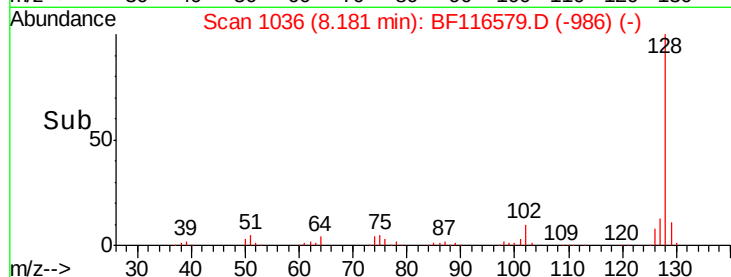
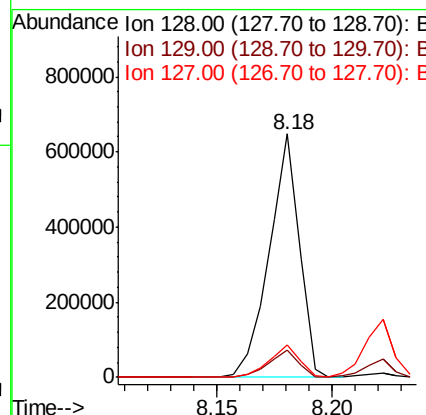
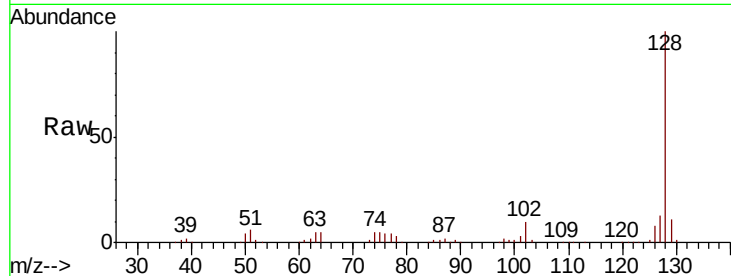
#31
Naphthalene
Concen: 43.867 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.3	9.0	13.6	
127	13.4	10.9	16.3	

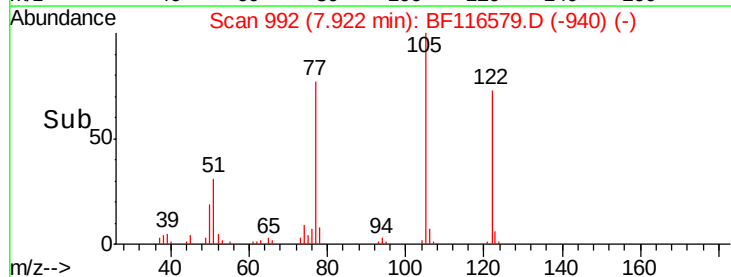
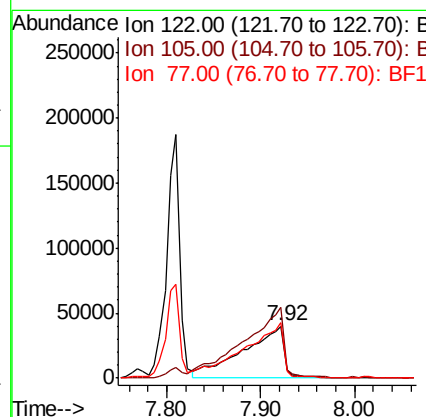
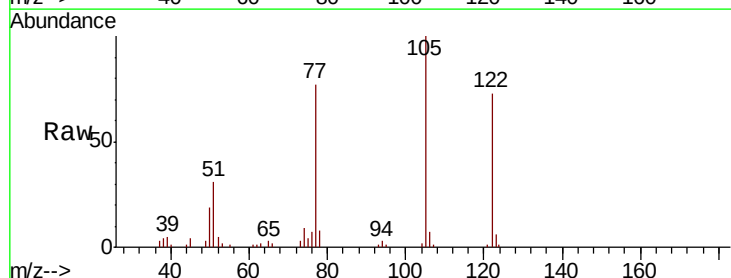
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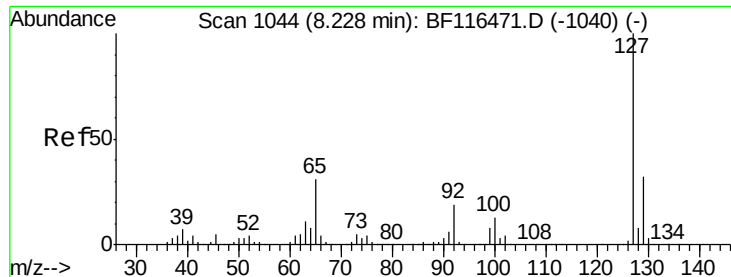
mohammad
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#32
Benzoic acid
Concen: 47.365 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	137.2	109.9	149.9	
77	106.2	84.9	124.9	





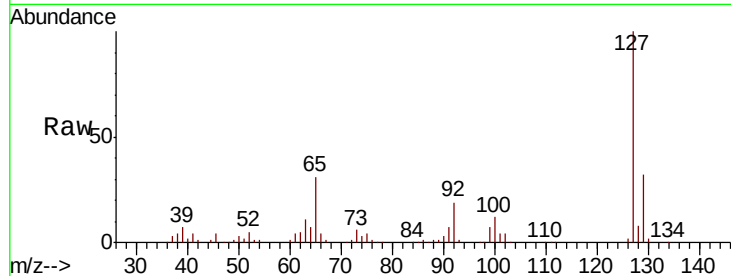
#33
4-Chloroaniline
Concen: 22.409 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

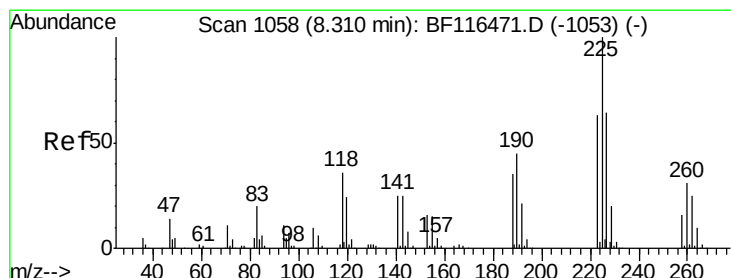
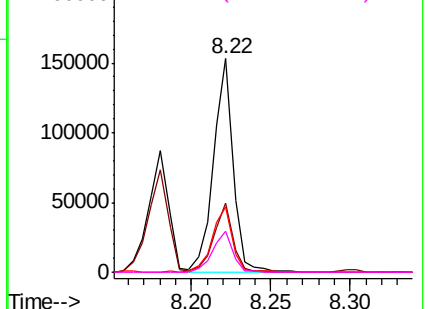
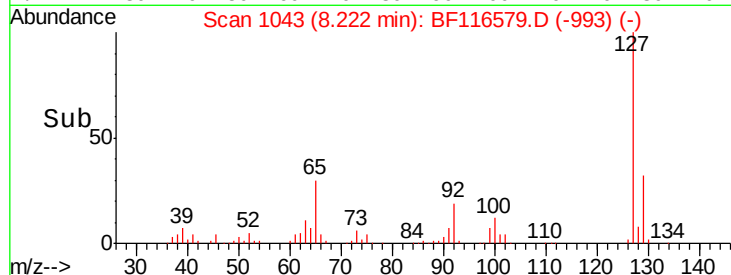
Tot Ion	Ratio	Resp	Lower	Upper
127	100	131776		
129	32.2	25.7	38.5	
65	30.7	25.0	37.6	
92	19.0	15.0	22.6	

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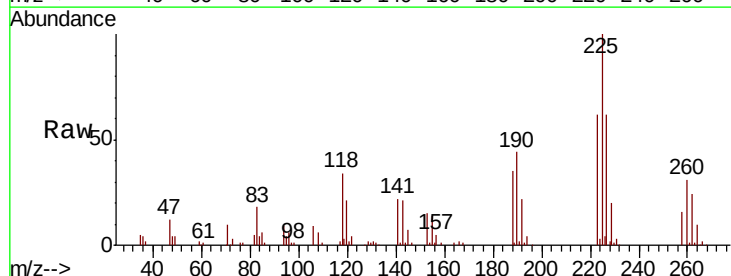


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

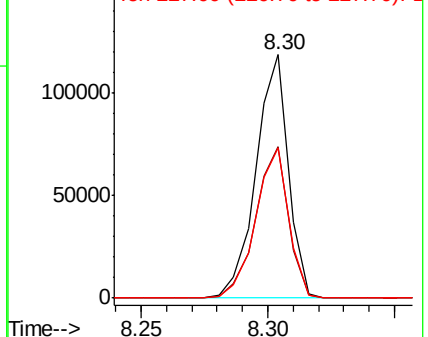
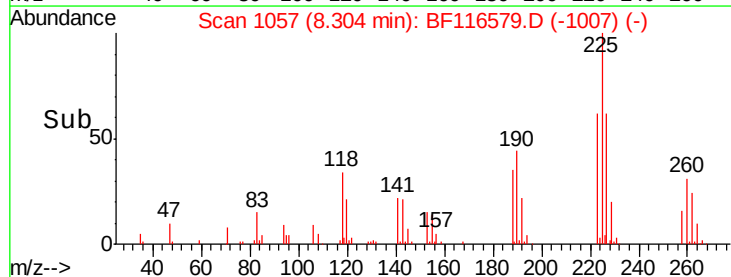


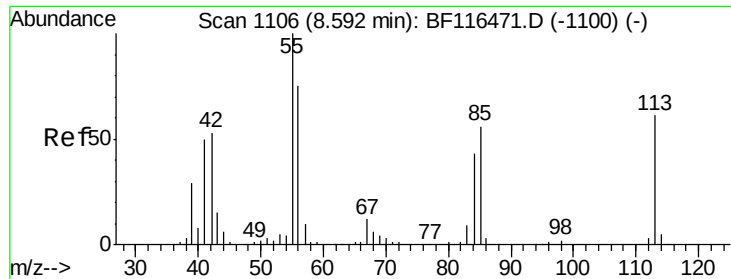
#34
Hexachlorobutadiene
Concen: 45.043 ng
RT: 8.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105062		
223	62.0	50.3	75.5	
227	61.9	51.0	76.4	



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





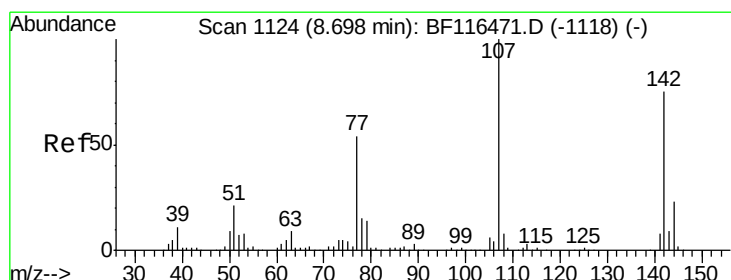
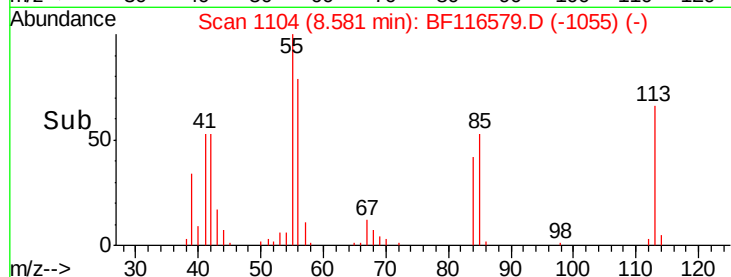
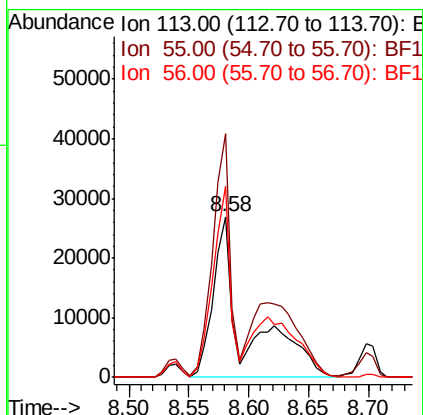
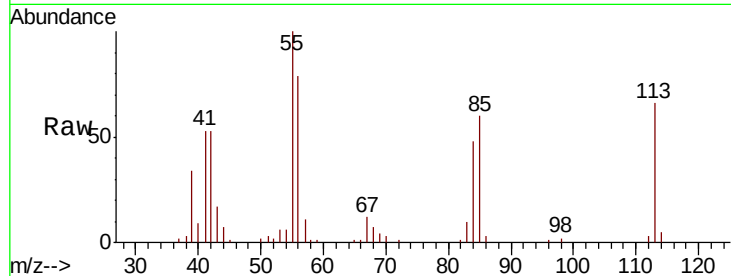
#35
 Caprolactam
 Concen: 37.828 ng/ml
 RT: 8.58 min Scan# 1104
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Instrument :
 BNA_F
 ClientSampleID :
 PB122218BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	151.6	143.6	183.6
56	119.1	102.3	142.3

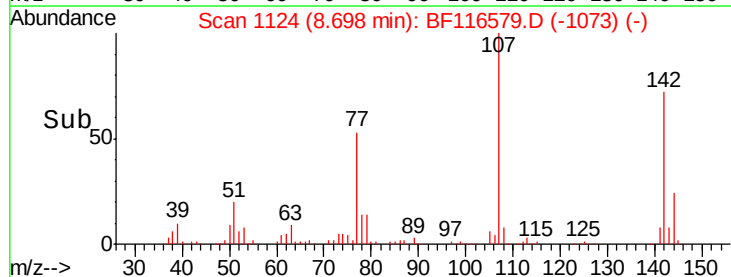
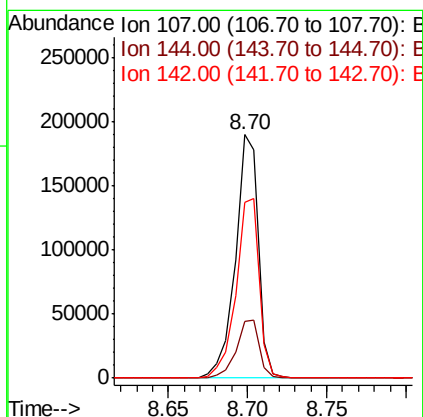
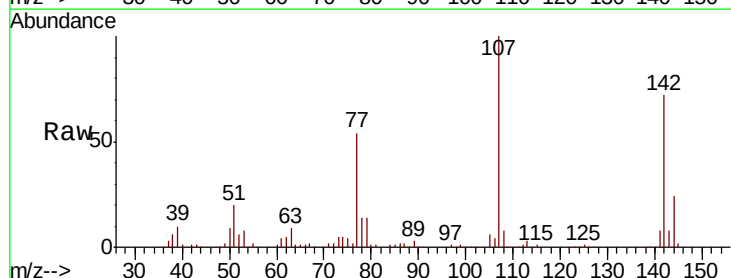
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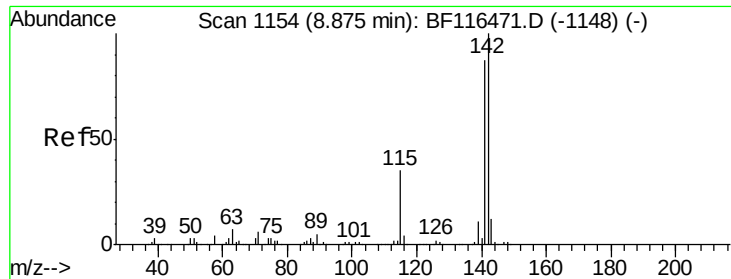
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#36
 4-Chloro-3-methylphenol
 Concen: 44.454 ng/ml
 RT: 8.70 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.5	18.8	28.2
142	72.0	59.8	89.6





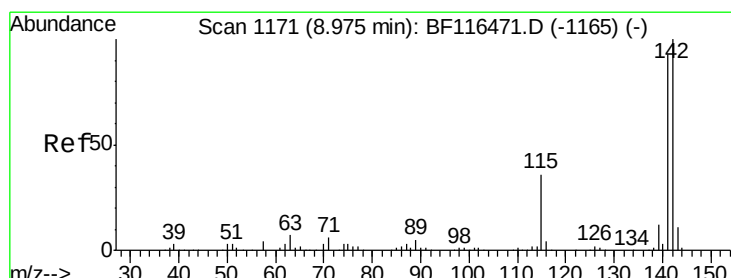
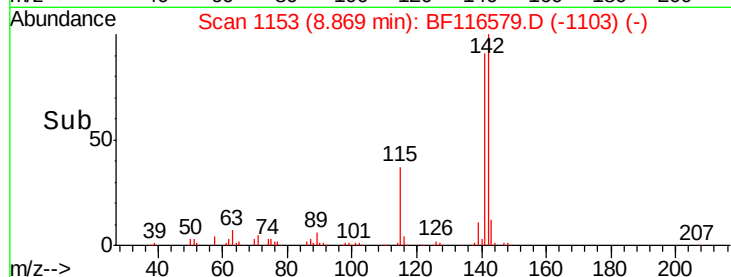
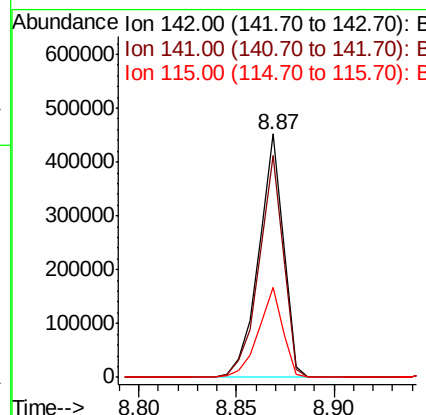
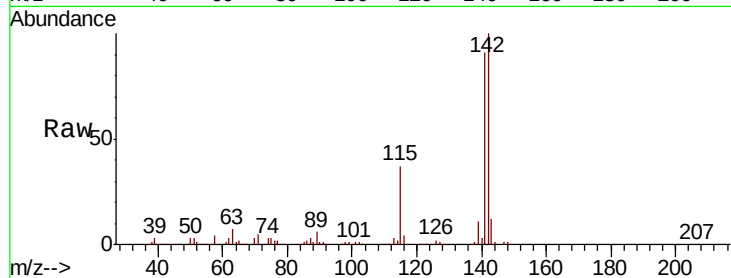
#37
2-Methylnaphthalene
Concen: 43.050 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.0	69.8	104.6
115	37.1	27.7	41.5

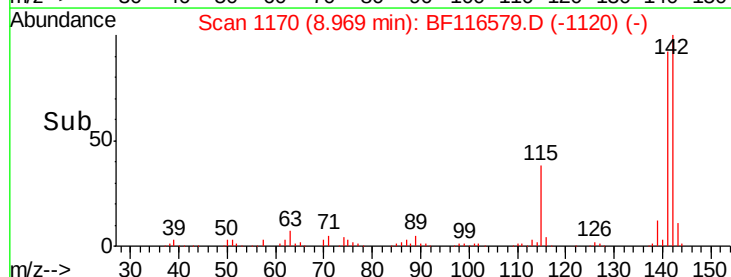
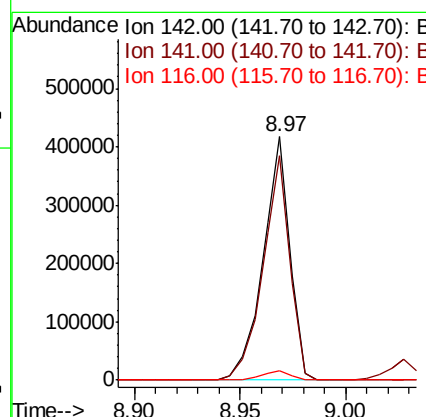
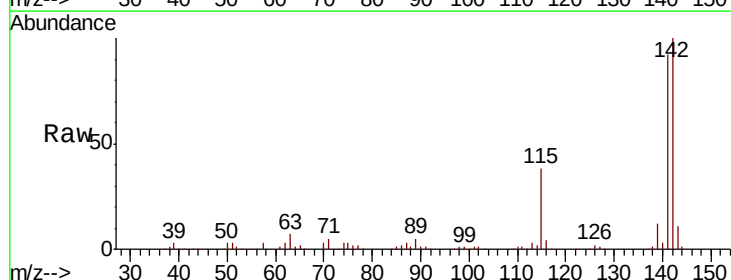
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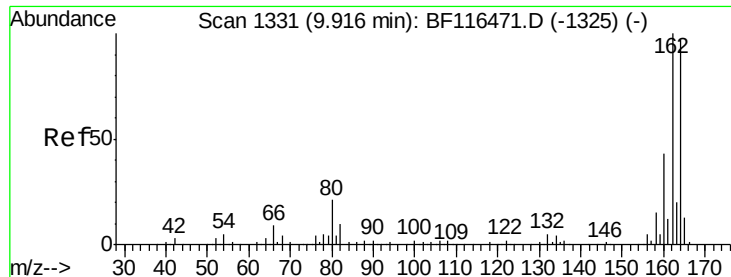
mohammad
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#38
1-Methylnaphthalene
Concen: 42.648 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.2	111.2
116	3.9	2.9	4.3





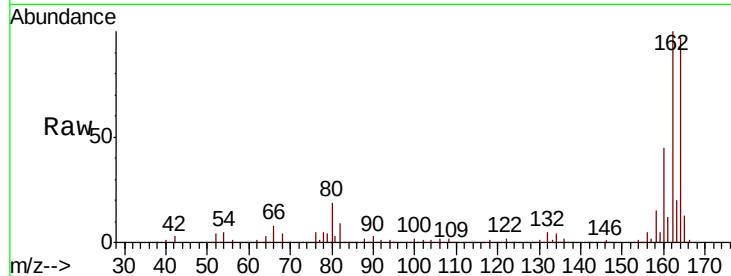
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	82.6	123.8	
160	45.8	35.8	53.8	

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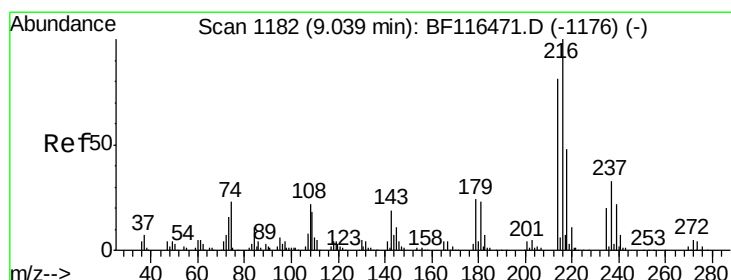
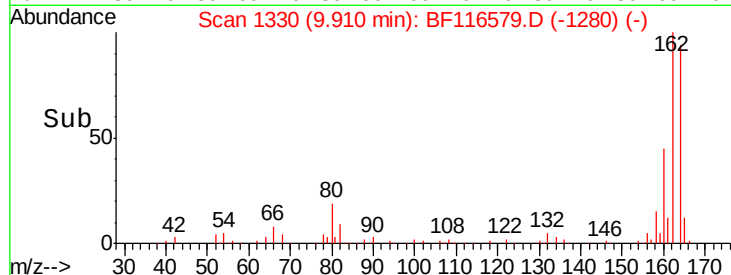
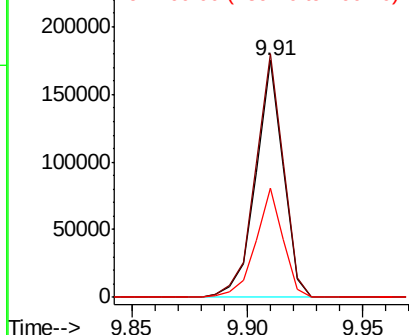


Abundance

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: 43.837 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.3	63.8	95.8	
179	23.4	18.5	27.7	
108	24.3	17.3	25.9	

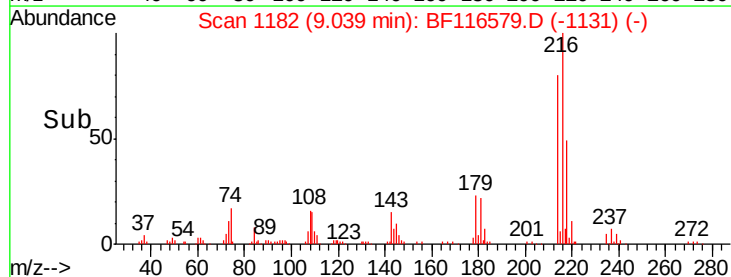
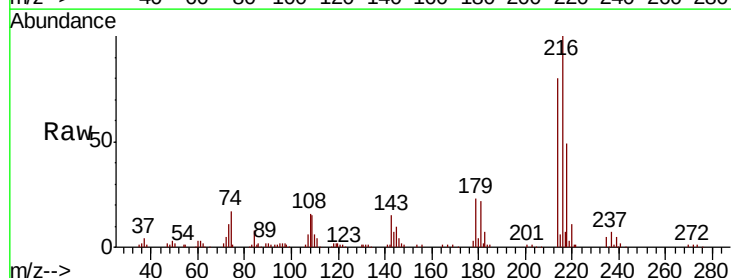
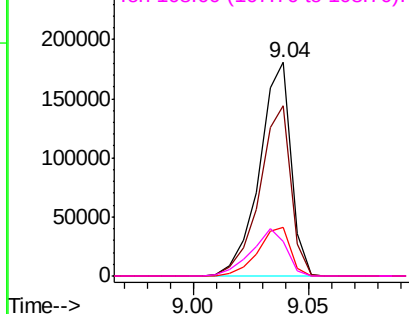
Abundance

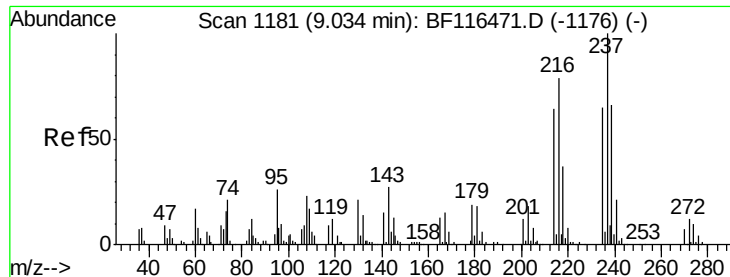
Ion 216.00 (215.70 to 216.70): E

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: 104.043 ng

RT: 9.03 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Instrument :

BNA_F

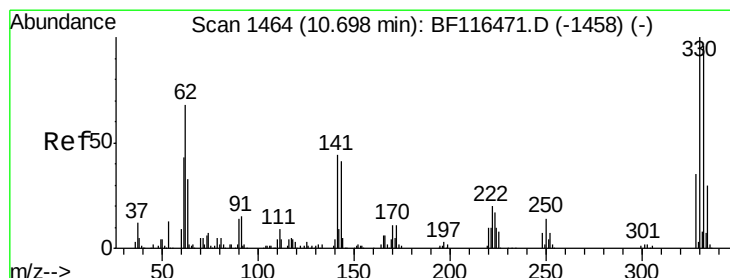
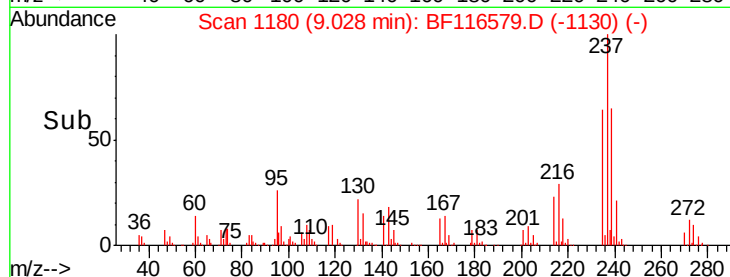
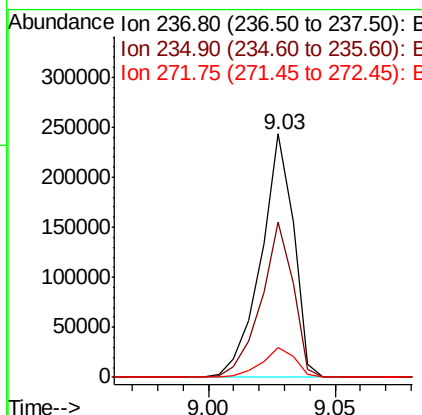
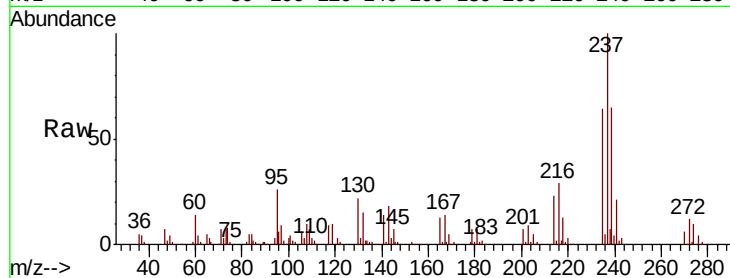
ClientSampleId :

PB122218BS

Tot Ion:	237	Resp:	219730
Ion Ratio		Lower	Upper
237	100		
235	63.7	44.8	84.8
272	12.4	0.0	32.5

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#42

2,4,6-Tribromophenol

Concen: 126.625 ng

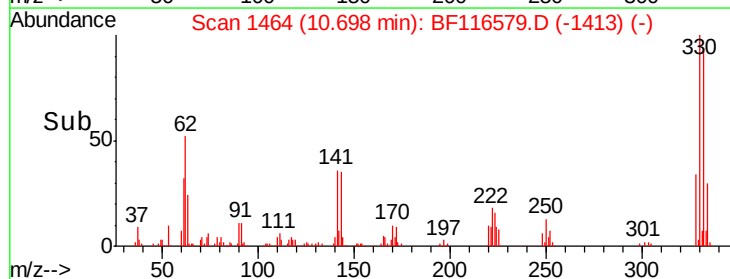
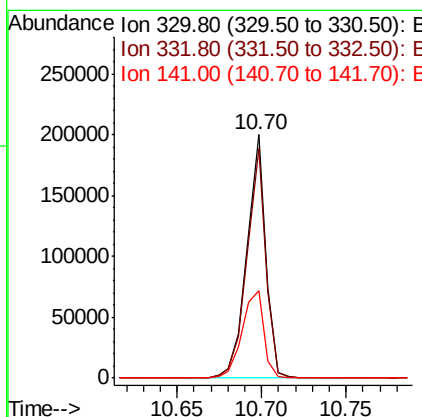
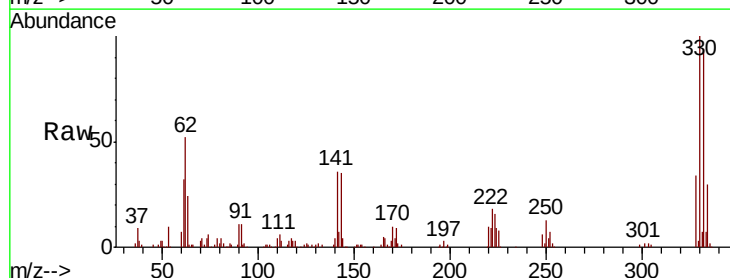
RT: 10.70 min Scan# 1464

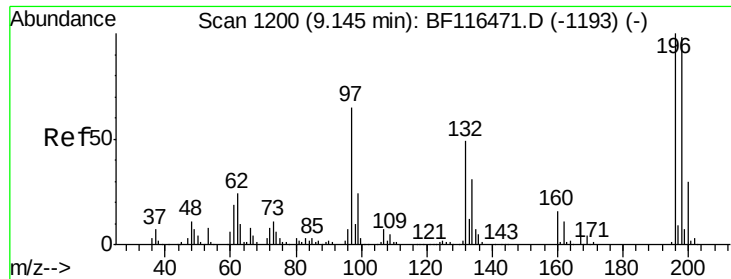
Delta R.T. -0.00 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Tgt Ion:	330	Resp:	158633
Ion Ratio		Lower	Upper
330	100		
332	94.5	77.2	115.8
141	40.6	33.3	49.9





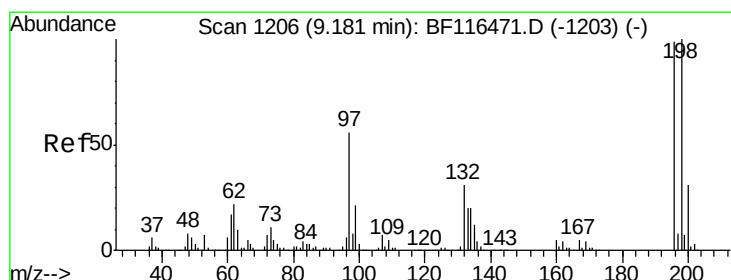
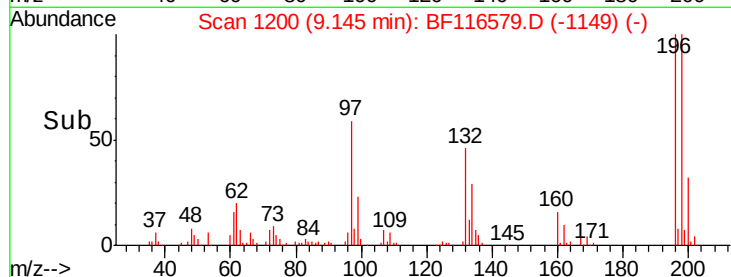
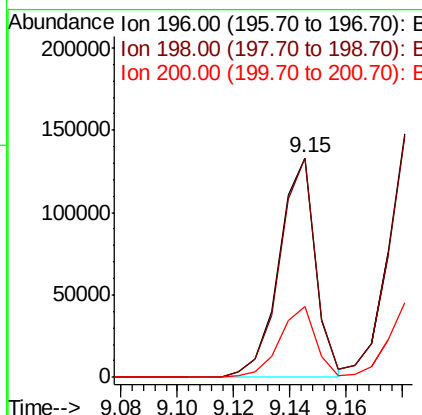
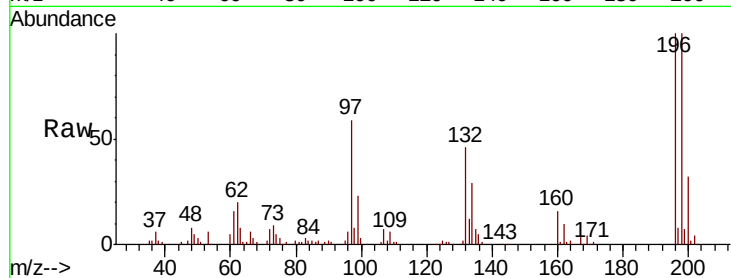
#43
 2,4,6-Trichlorophenol
 Concen: 43.391 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Instrument :
 BNA_F
 ClientSampled :
 PB122218BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	119204		
198	99.8	78.0	117.0	
200	32.0	24.2	36.2	

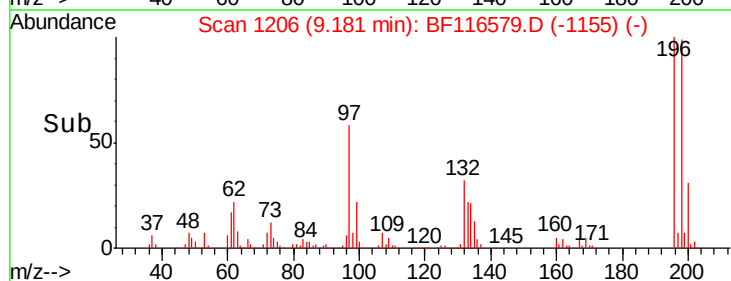
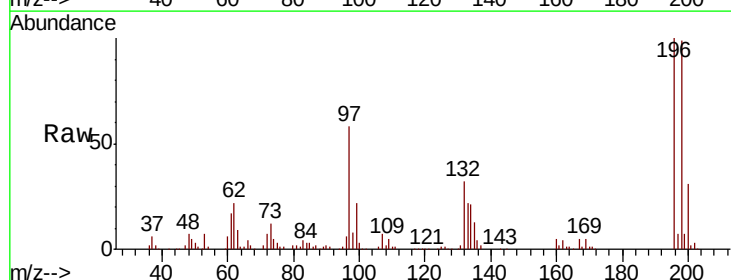
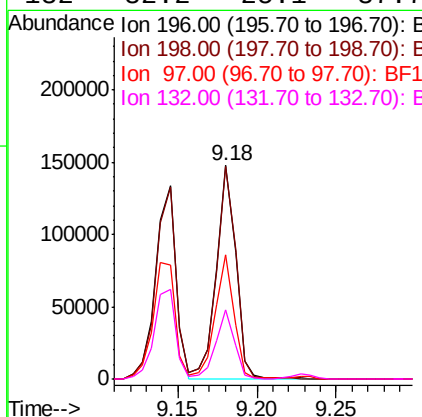
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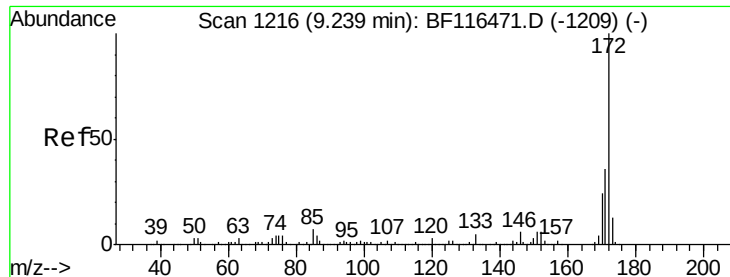
mohammad
 8/29/2019 7:54:40 AM



#44
 2,4,5-Trichlorophenol
 Concen: 45.109 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	126093		
198	99.3	80.8	121.2	
97	57.9	45.7	68.5	
132	32.2	25.1	37.7	





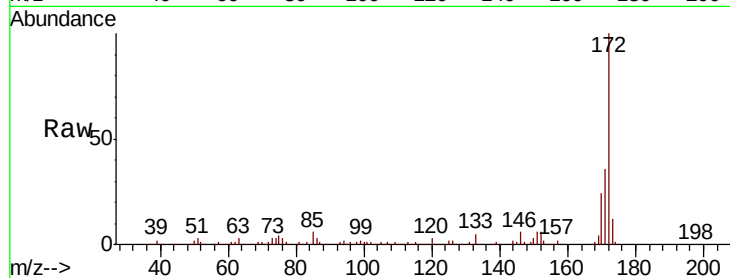
#45
2-Fluorobiphenyl
Concen: 70.761 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.9	43.3
170	23.9	19.4	29.0

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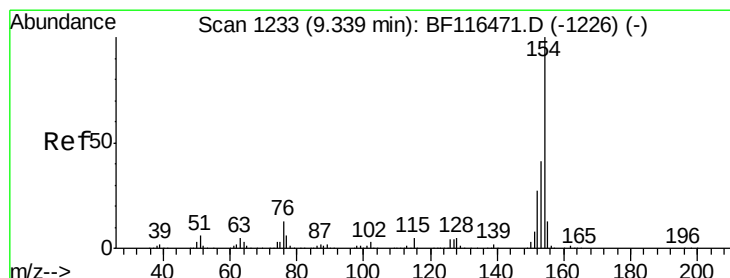
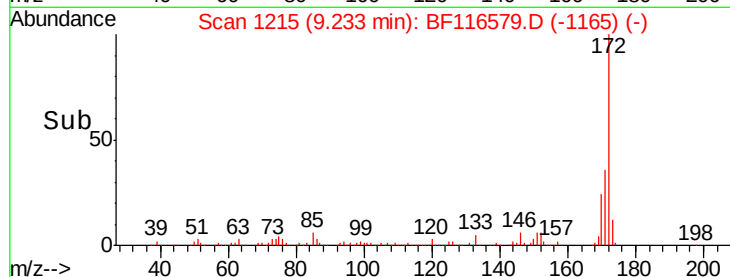
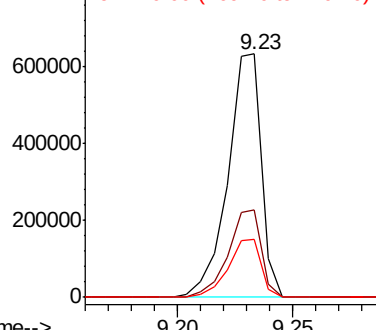


Abundance

Ion 172.00 (171.70 to 172.70): E

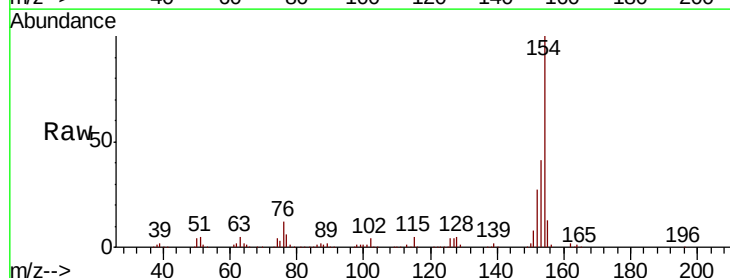
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 42.340 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	21.3	61.3
76	11.8	0.0	32.9

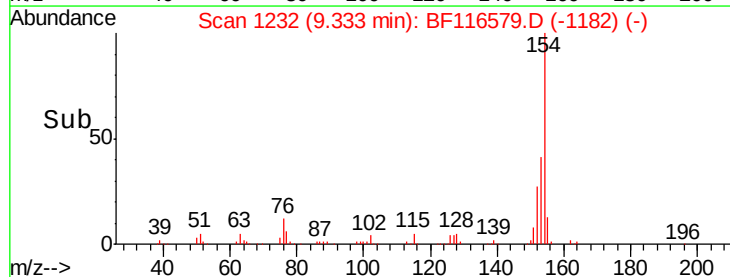
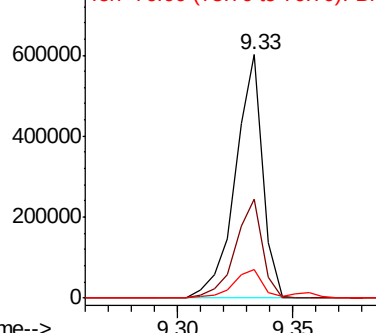


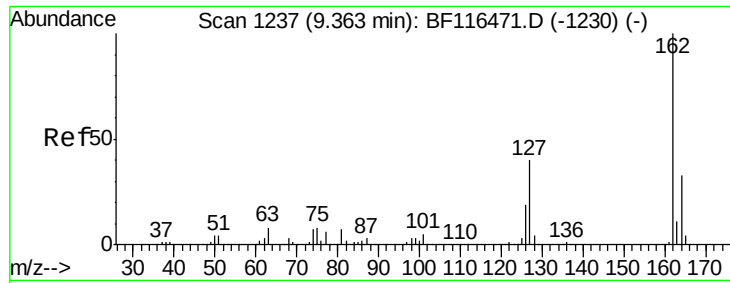
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 42.026 ng

RT: 9.36 min Scan# 1236

Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Instrument :

BNA_F

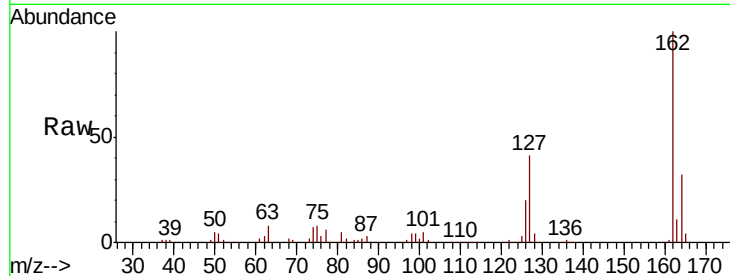
ClientSampleId :

PB122218BS

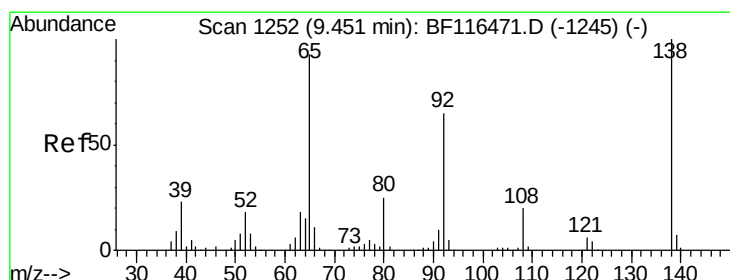
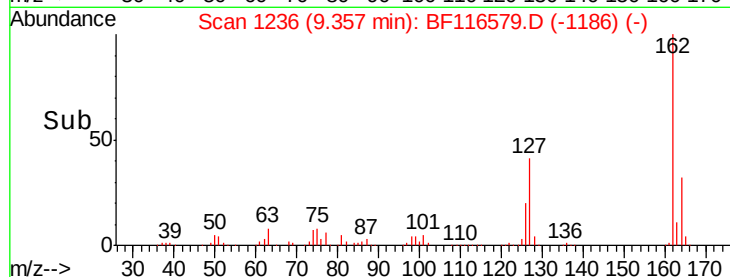
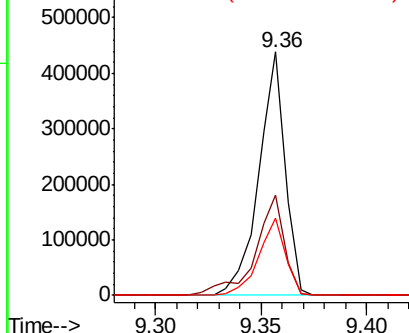
Tot Ion:	162	Resp:	380049
Ion Ratio	Lower	Upper	
162	100		
127	41.3	32.5	48.7
164	31.9	26.7	40.1

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 43.039 ng

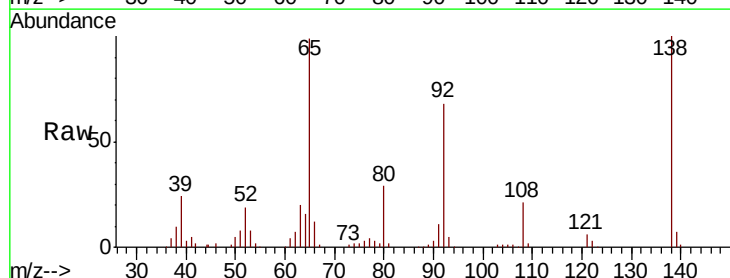
RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

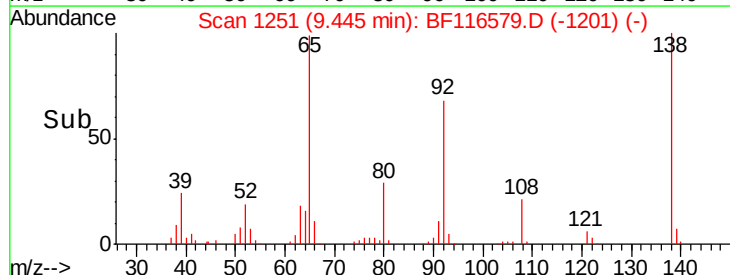
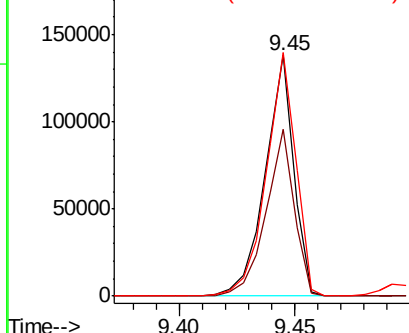
Lab File: BF116579.D

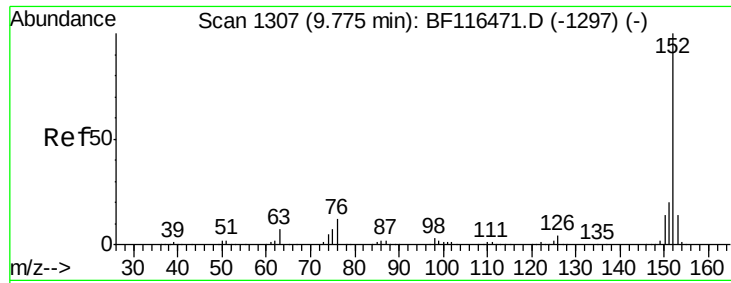
Acq: 27 Aug 2019 12:29

Tgt Ion:	65	Resp:	119170
Ion Ratio	Lower	Upper	
65	100		
92	69.2	56.2	84.2
138	101.2	86.0	129.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 44.145 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Instrument :

BNA_F

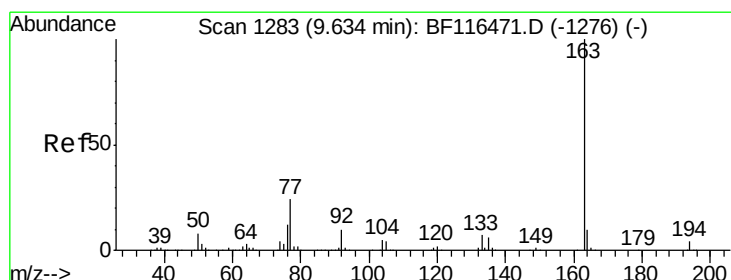
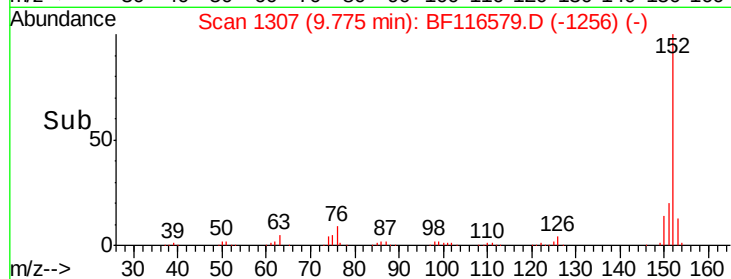
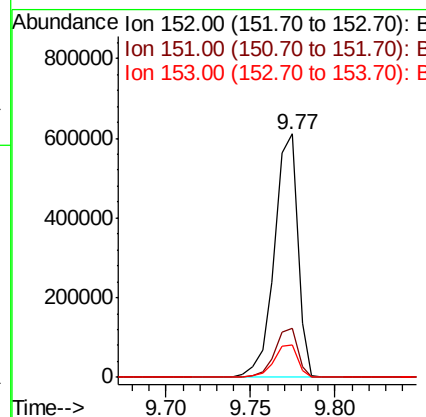
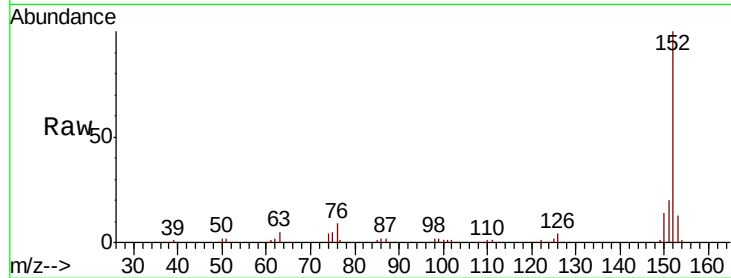
ClientSampleId :

PB122218BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		584065		
151	20.4	16.1	24.1		
153	13.3	11.4	17.0		

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#50

Dimethylphthalate

Concen: 42.987 ng

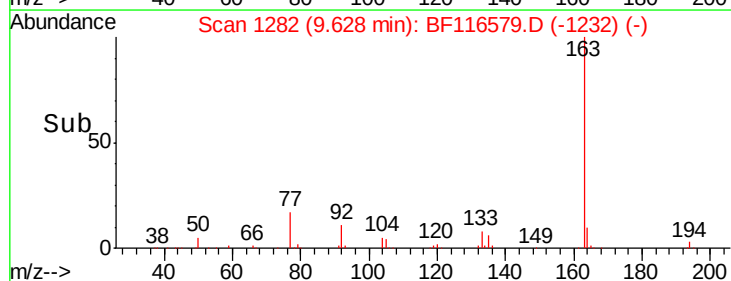
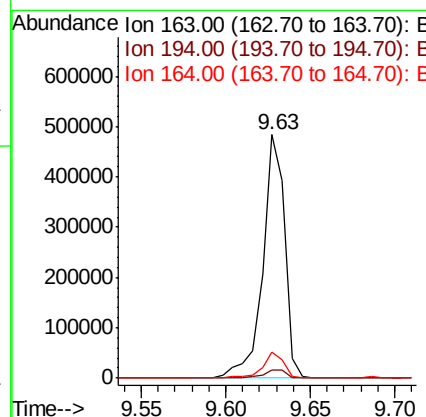
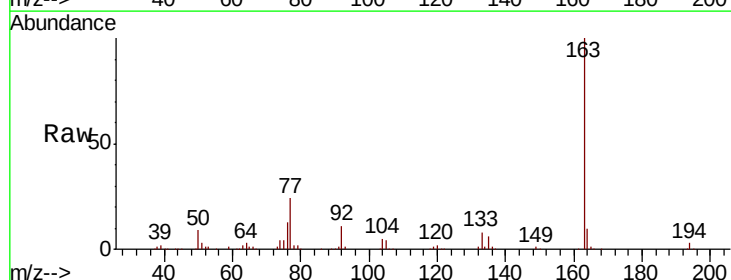
RT: 9.63 min Scan# 1282

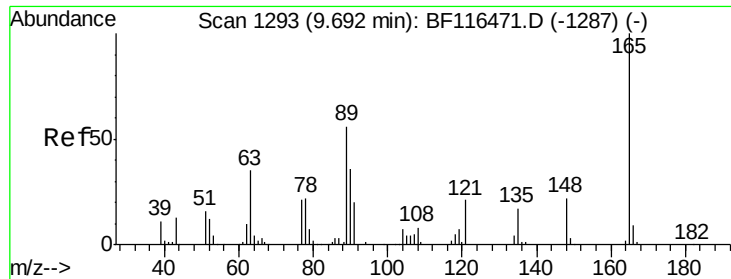
Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		437578		
194	3.4	2.9	4.3		
164	10.4	8.2	12.2		





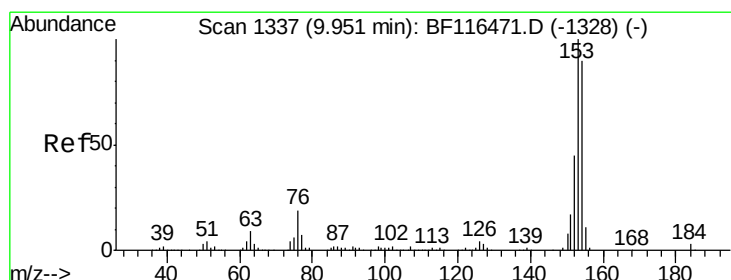
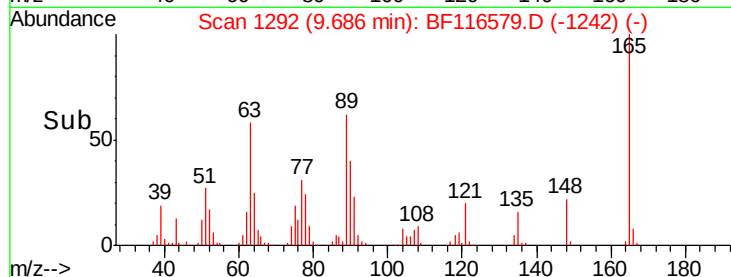
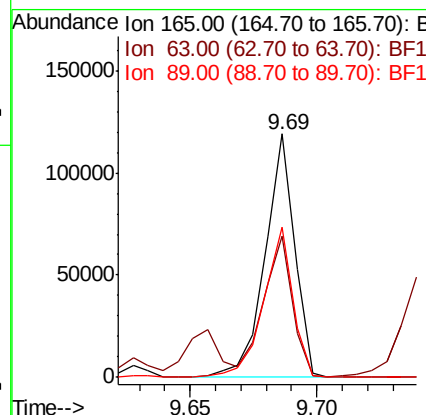
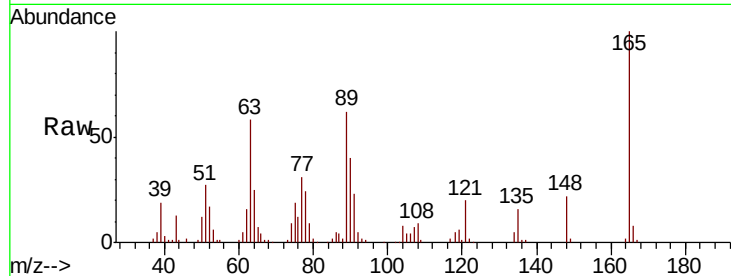
#51
 2,6-Dinitrotoluene
 Concen: 46.451 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 PB122218BS

Tot Ion:	165	Resp:	96782
Ion Ratio	Lower	Upper	
165	100		
63	58.1	43.7	65.5
89	61.8	45.1	67.7

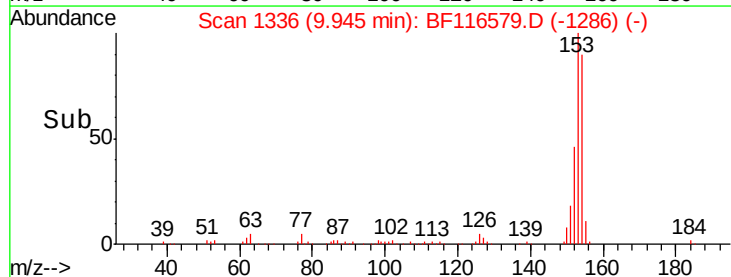
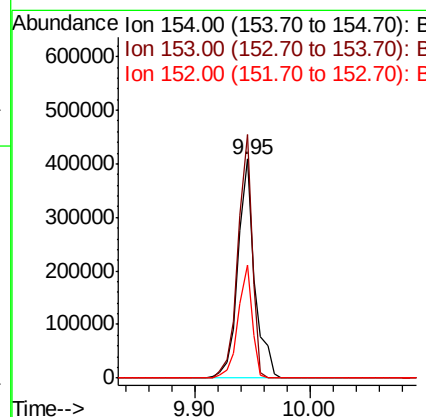
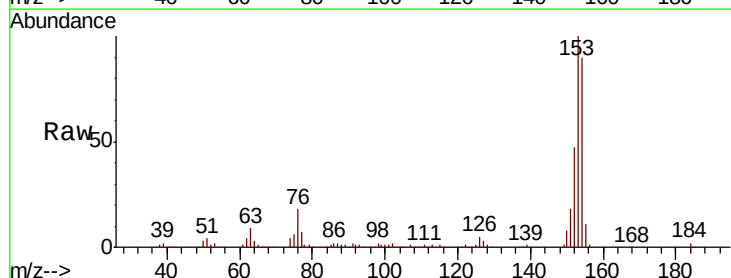
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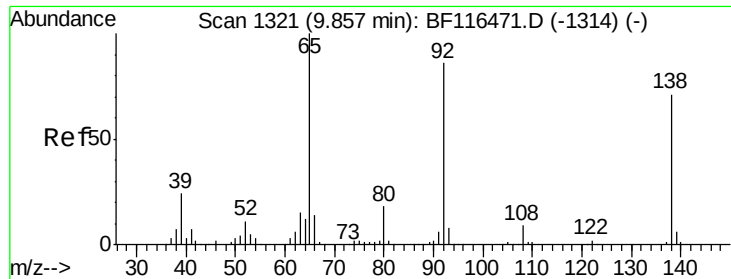
mohammad
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#52
 Acenaphthene
 Concen: 47.933 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Tgt Ion:	154	Resp:	406940
Ion Ratio	Lower	Upper	
154	100		
153	111.1	89.3	133.9
152	51.7	40.2	60.4





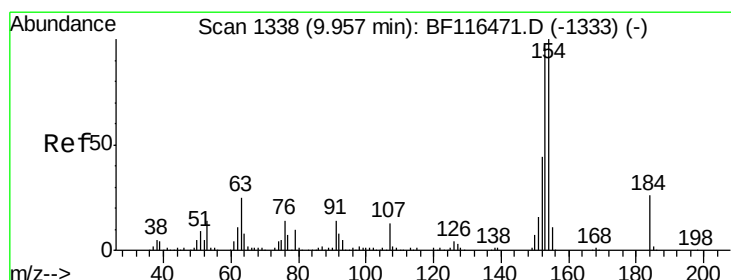
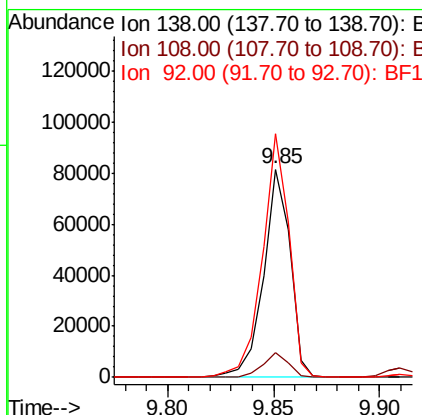
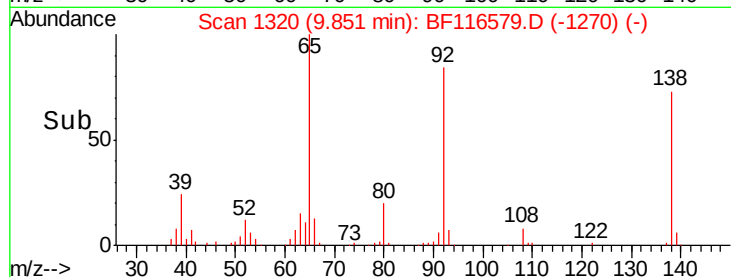
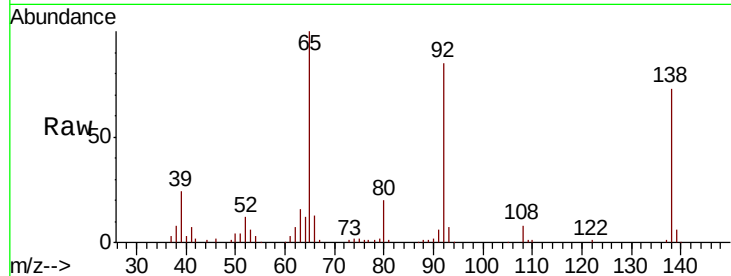
#53
3-Nitroaniline
Concen: 28.806 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.7	10.0	15.0
92	117.2	97.7	146.5

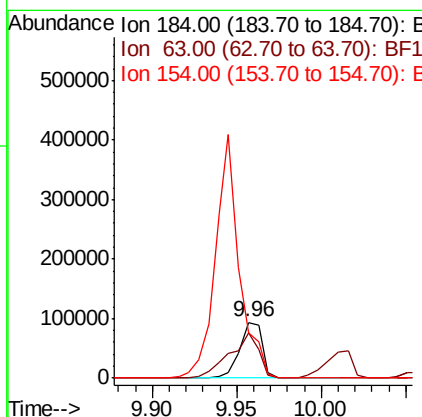
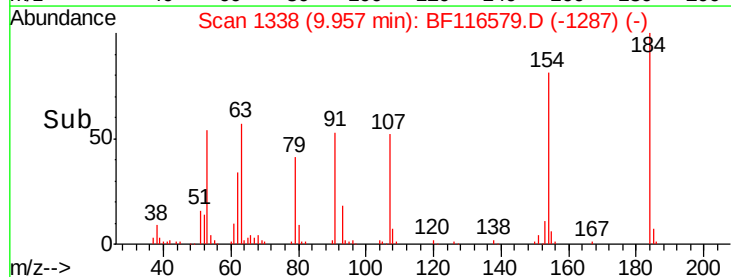
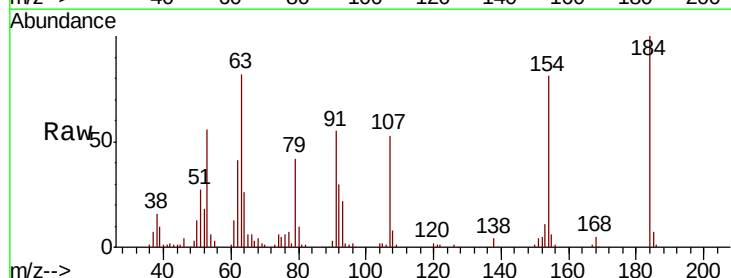
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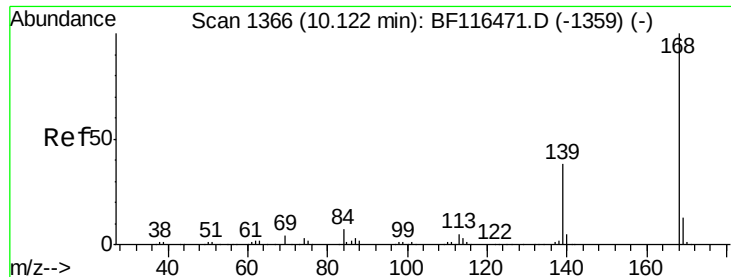
mohammad
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#54
2,4-Dinitrophenol
Concen: 105.016 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
184	100		
63	81.6	78.2	117.4
154	81.2	320.4	480.6#





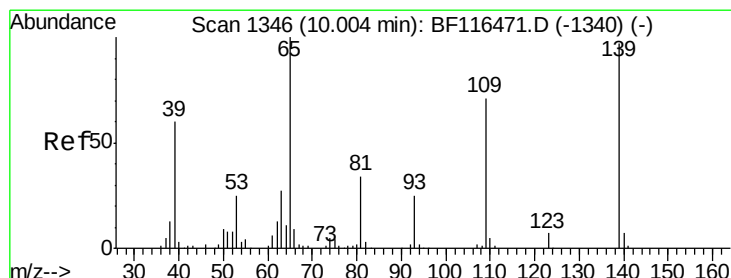
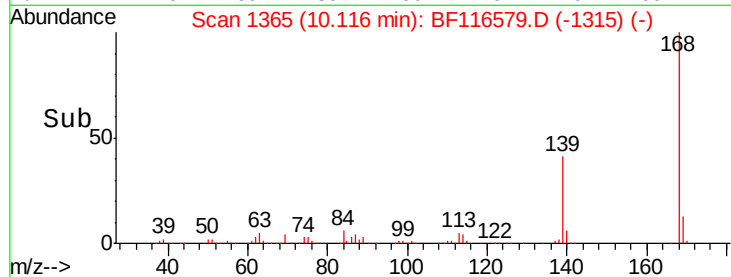
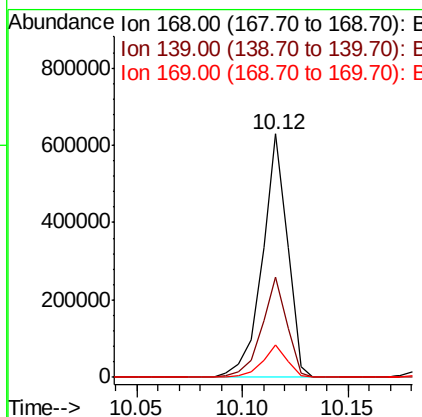
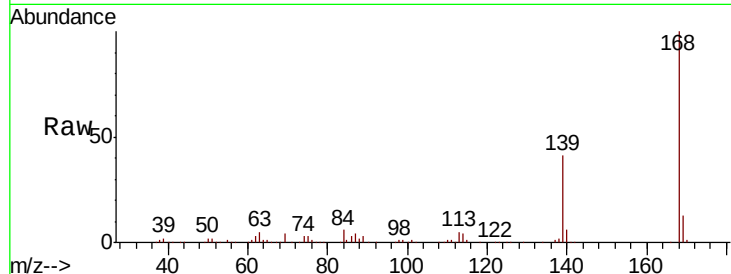
#55
Dibenzenofuran
Concen: 43.809 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Resp	Lower	Upper
168	100	518451		
139	41.3	30.7	46.1	
169	13.1	10.7	16.1	

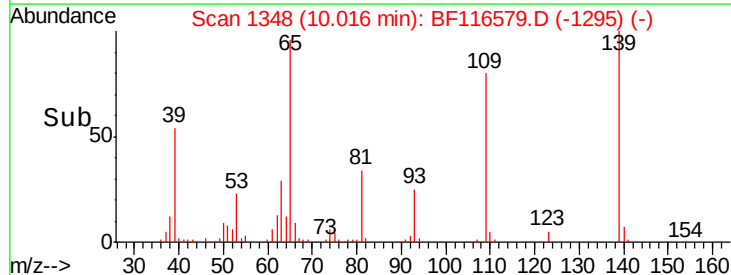
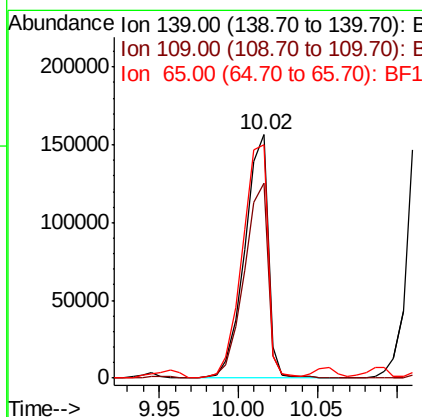
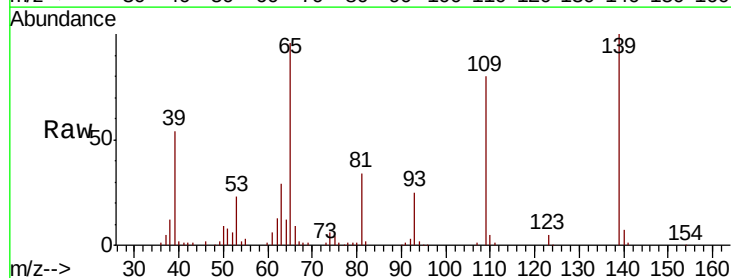
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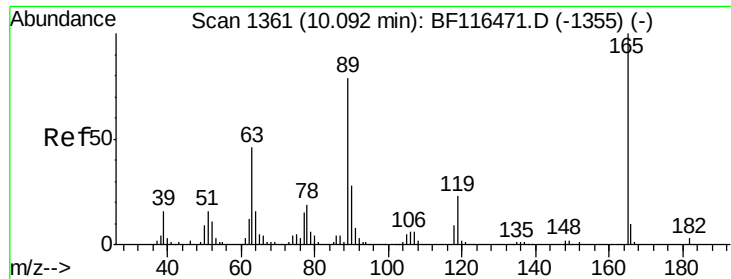
mohammad
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#56
4-Nitrophenol
Concen: 83.709 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	161590		
109	80.0	53.4	93.4	
65	95.8	83.0	123.0	





#57

2,4-Dinitrotoluene

Concen: 49.762 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.00 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Instrument :

BNA_F

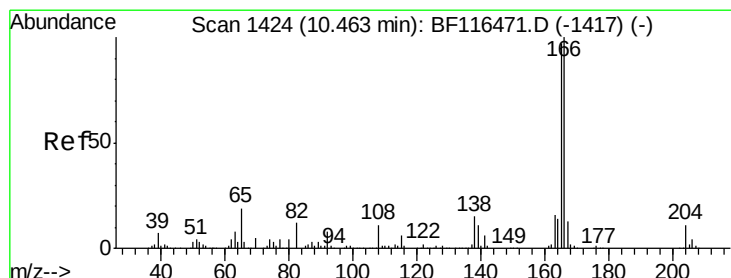
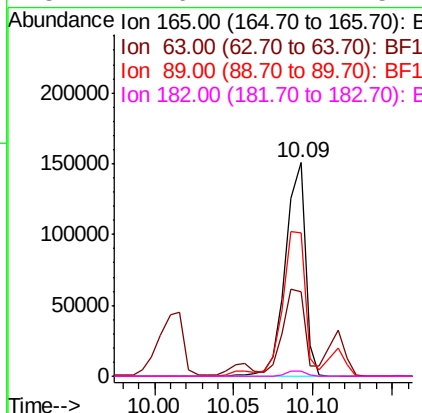
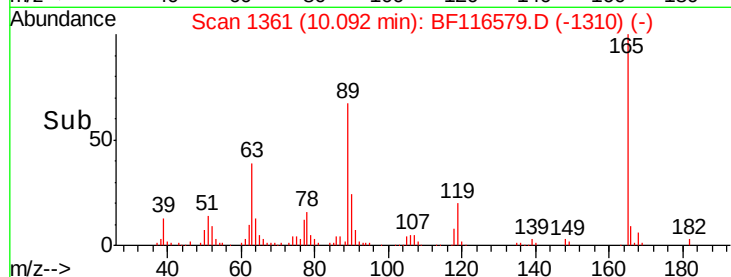
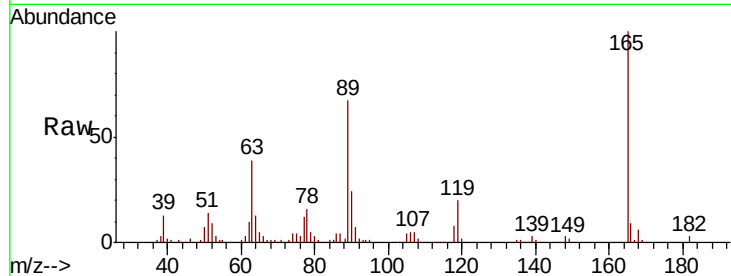
ClientSampleId :

PB122218BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		131931		
63	39.4	36.9	55.3		
89	67.3	63.4	95.0		
182	2.6	2.1	3.1		

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#58

Fluorene

Concen: 44.834 ng

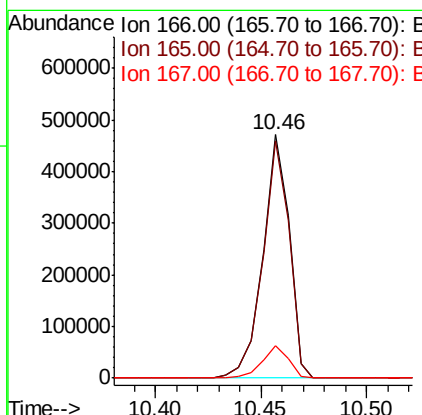
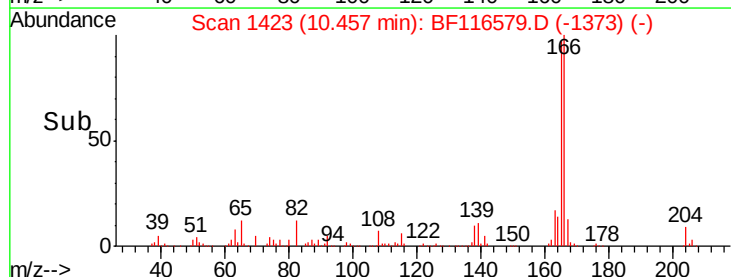
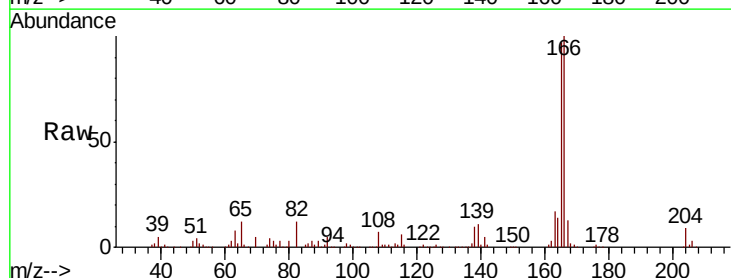
RT: 10.46 min Scan# 1423

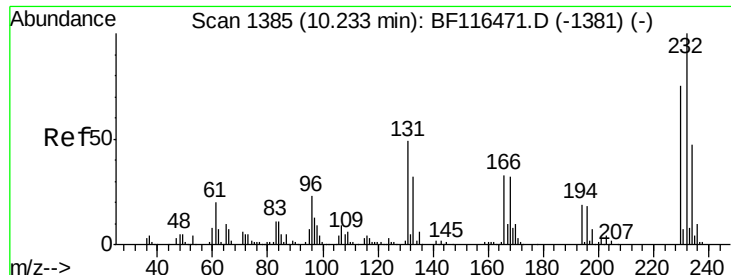
Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		412223		
165	97.3	77.4	116.0		
167	13.4	10.8	16.2		





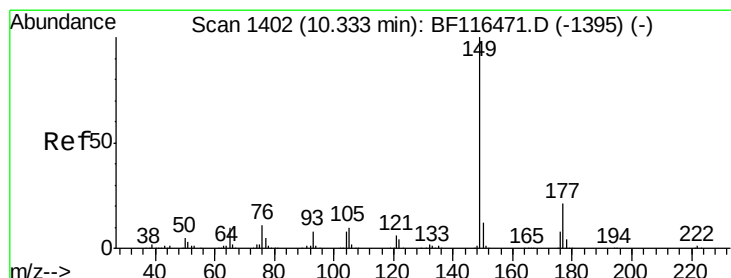
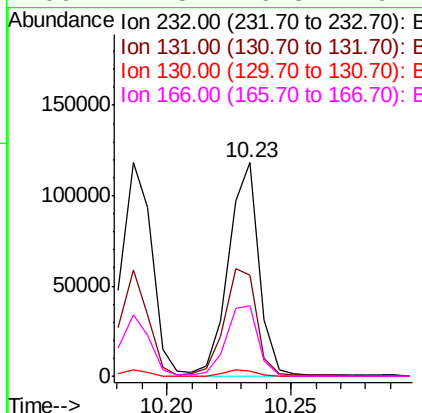
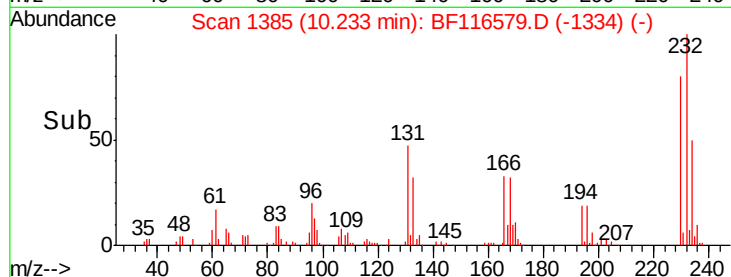
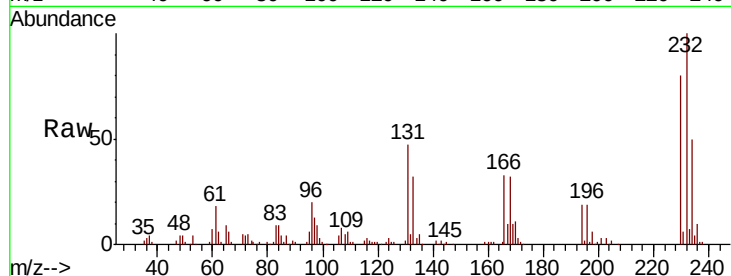
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.473 ng m
RT: 10.23 min Scan# 1385
Delta R.T. -0.00 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	102074		
131	46.1		40.8	61.2
130	2.7		1.8	2.8
166	27.8		26.8	40.2

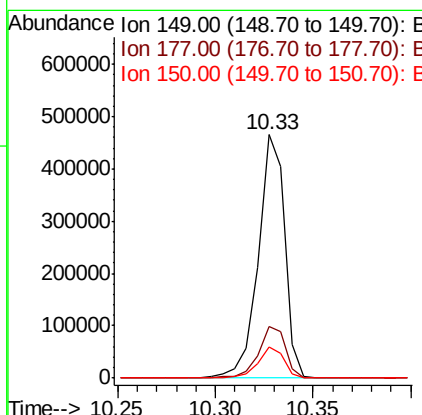
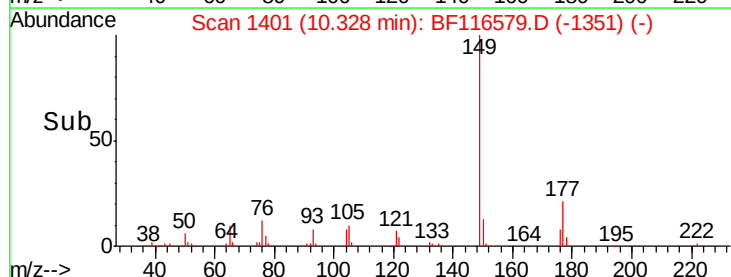
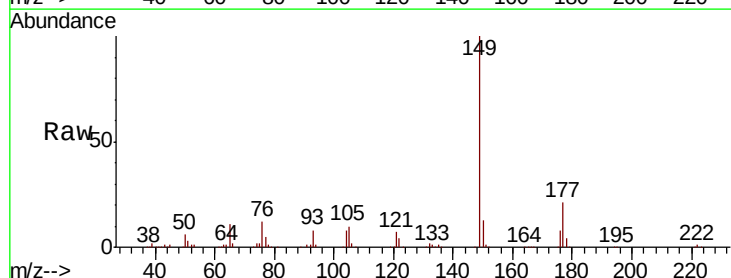
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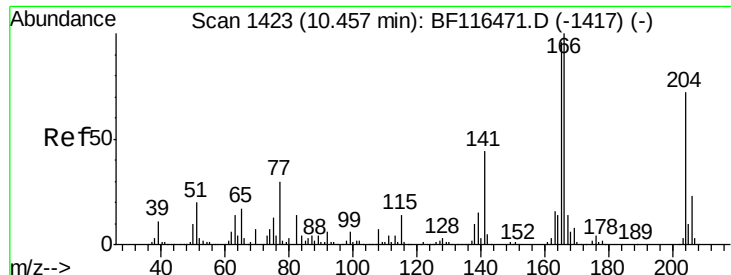
mohammad
8/29/2019 7:54:40 AM



#60
Diethylphthalate
Concen: 43.613 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	436346		
177	21.3		17.1	25.7
150	12.6		9.8	14.6





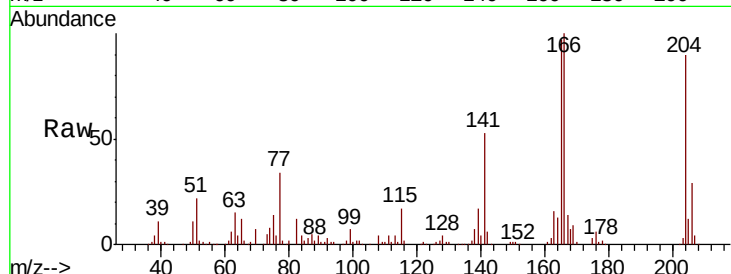
#61
 4-Chlorophenyl-phenylether
 Concen: 44.360 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 PB122218BS

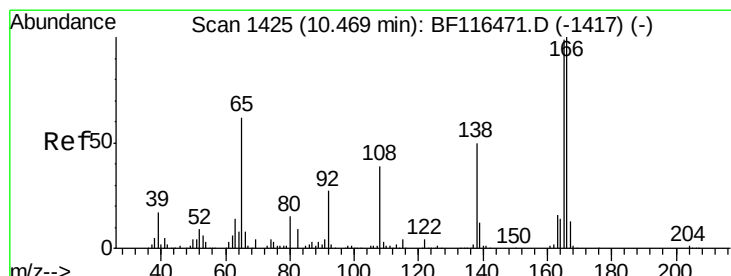
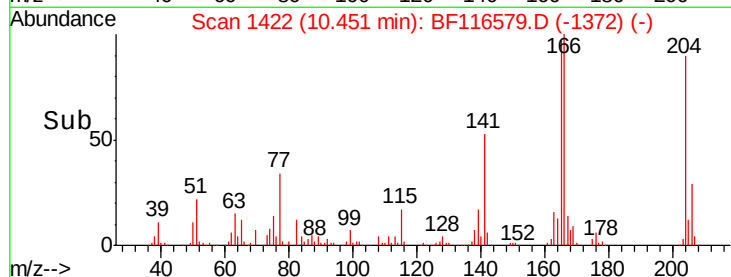
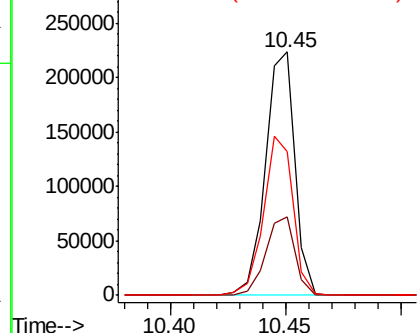
Tot Ion	Ratio	Resp	Lower	Upper
204	100	198980		
206	32.1	25.9	38.9	
141	59.2	48.6	73.0	

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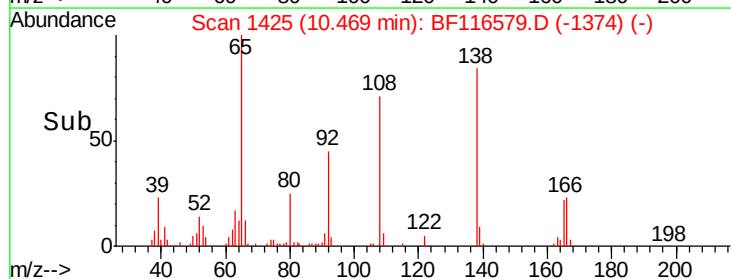
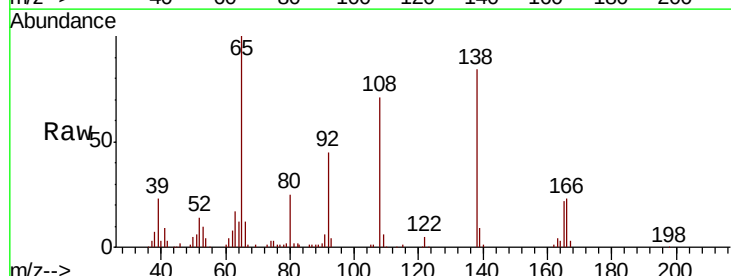
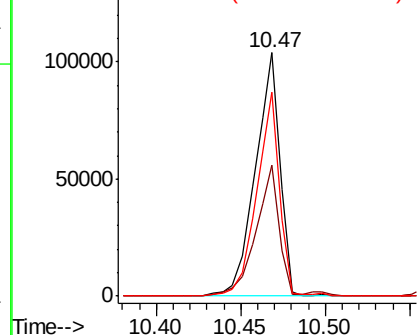
Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

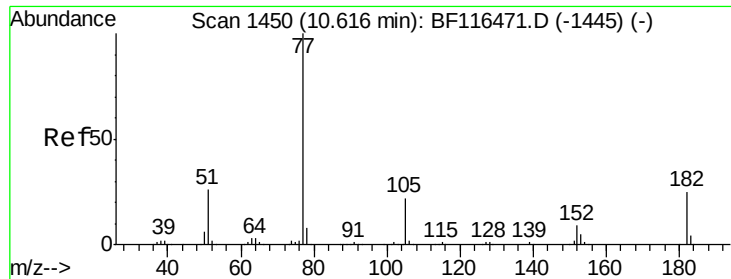


#62
 4-Nitroaniline
 Concen: 43.571 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.00 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	105835		
92	53.7	34.9	74.9	
108	83.8	57.7	97.7	

Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E





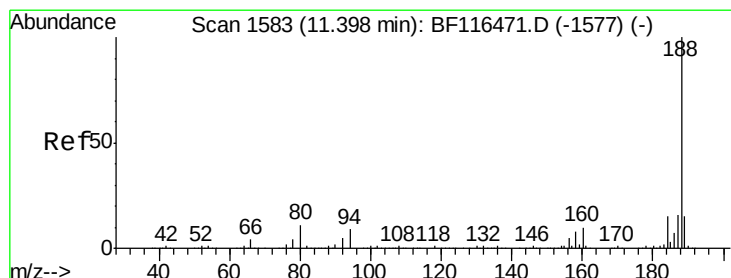
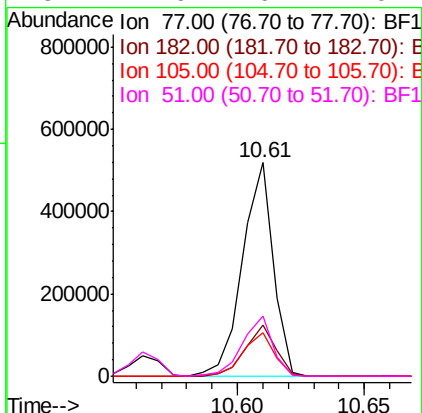
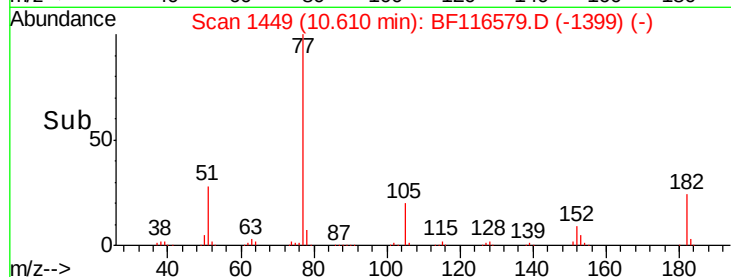
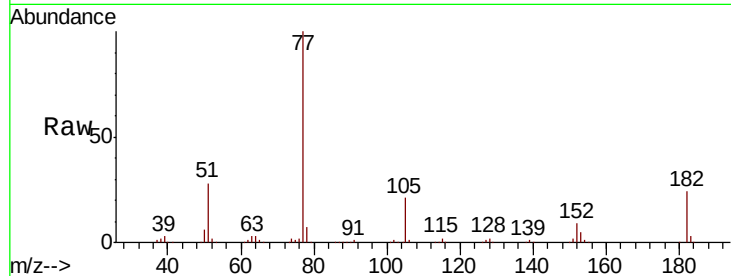
#63
Azobenzene
Concen: 42.733 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		439595		
182	24.0	5.4	45.4		
105	20.6	1.6	41.6		
51	27.9	6.2	46.2		

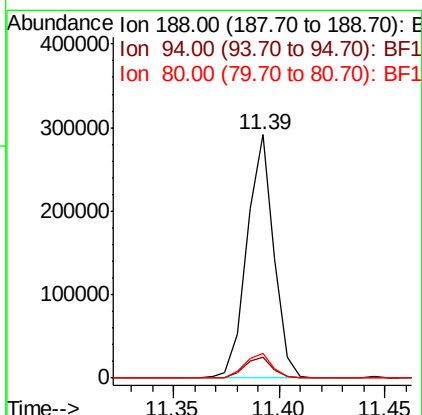
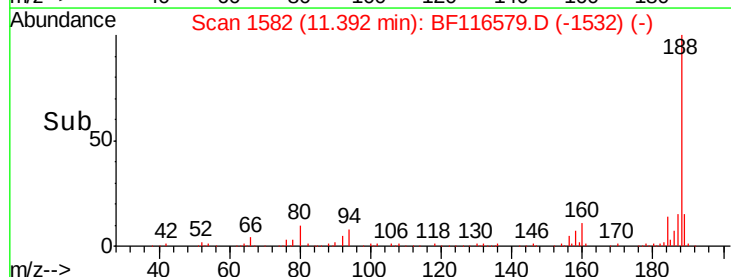
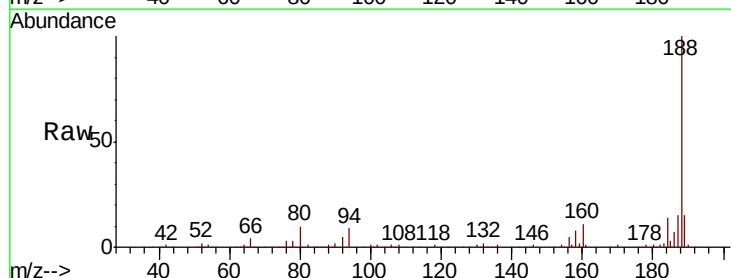
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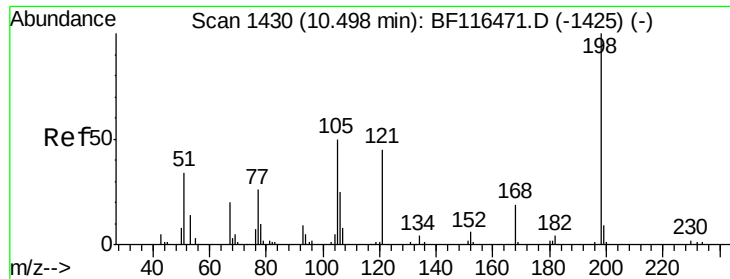
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		256773		
94	8.5	7.4	11.2		
80	10.1	8.6	12.8		





#65

4,6-Dinitro-2-methylphenol

Concen: 57.952 ng

RT: 10.50 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Instrument :

BNA_F

ClientSampled :

PB122218BS

Tot Ion:198 Resp: 62807

Ion Ratio Lower Upper

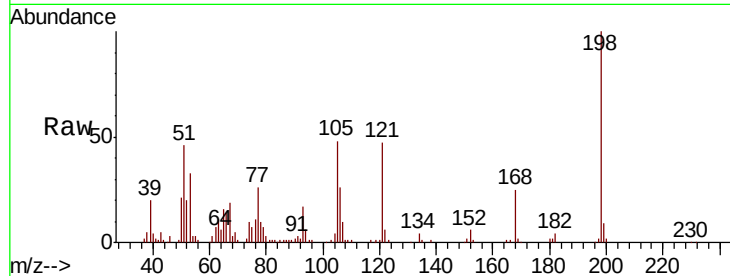
198 100

51 46.1 30.4 70.4

105 48.0 32.8 72.8

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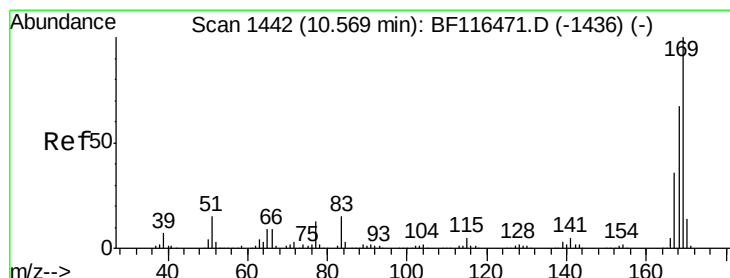
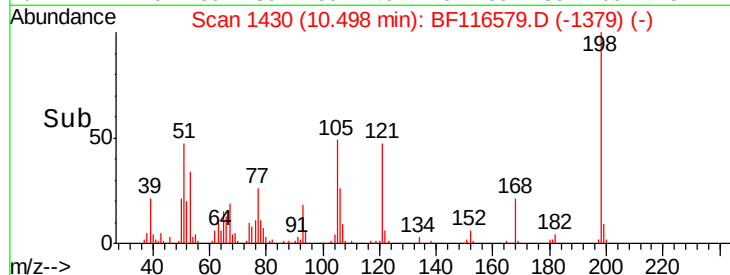
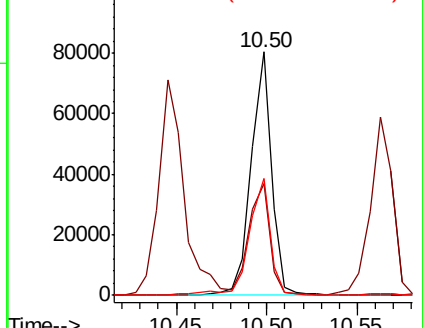
mohammad
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 43.074 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

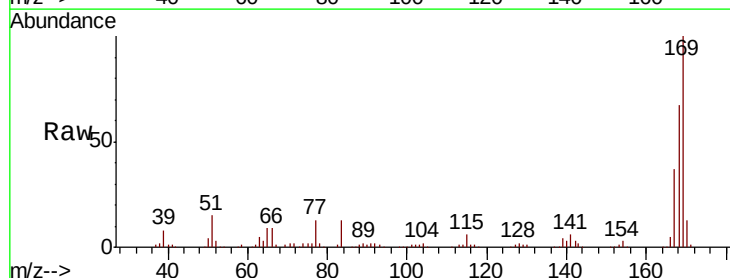
Tgt Ion:169 Resp: 358127

Ion Ratio Lower Upper

169 100

168 66.9 53.6 80.4

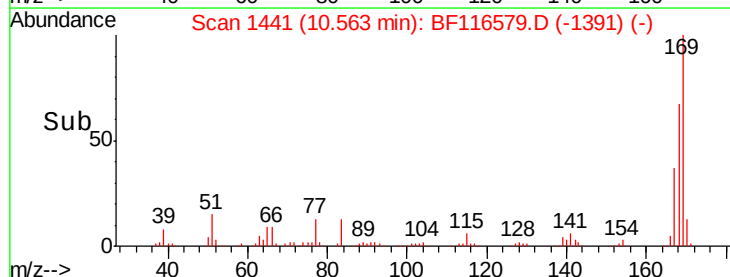
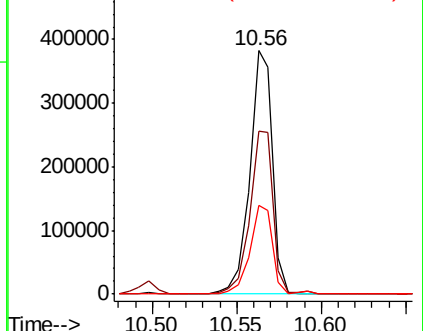
167 36.6 28.7 43.1

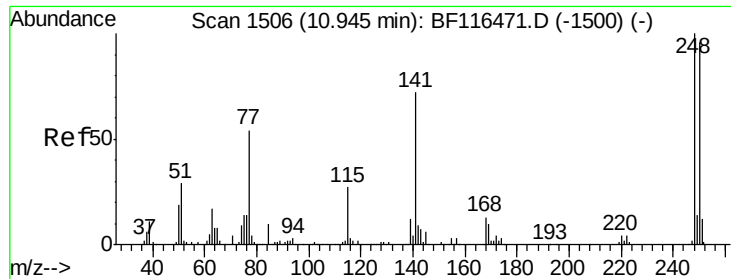


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





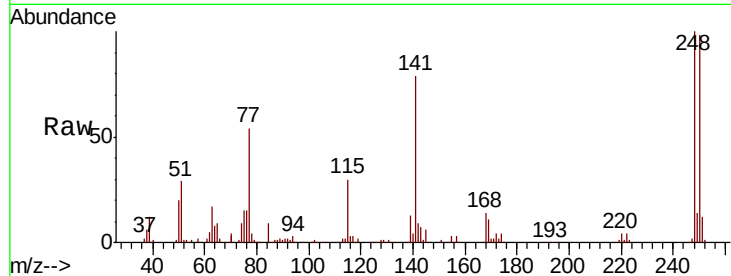
#67
 4-Bromophenyl-phenylether
 Concen: 42.814 ng
 RT: 10.94 min Scan# 1505
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 PB122218BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.0	115.6
141	79.5	57.4	86.0

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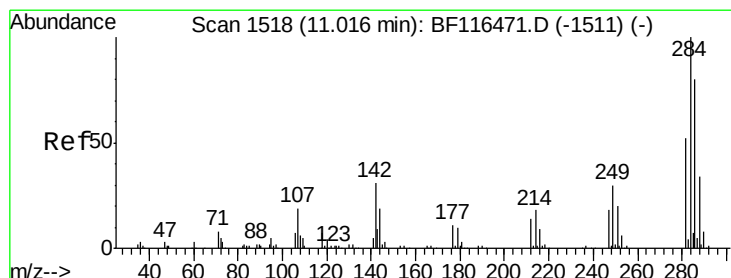
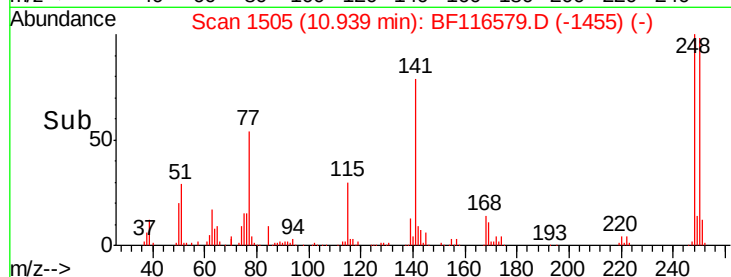
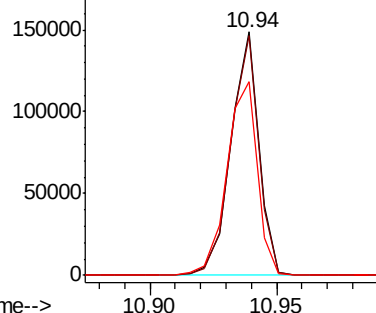


Abundance

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: 41.278 ng
 RT: 11.01 min Scan# 1517
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

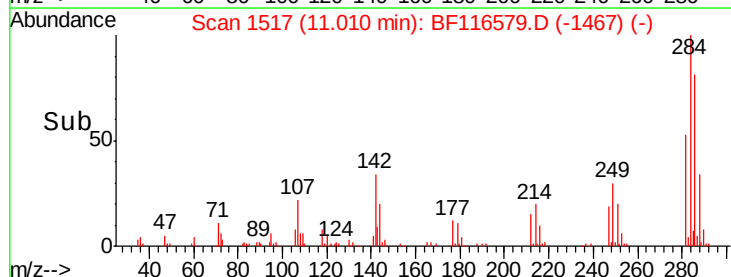
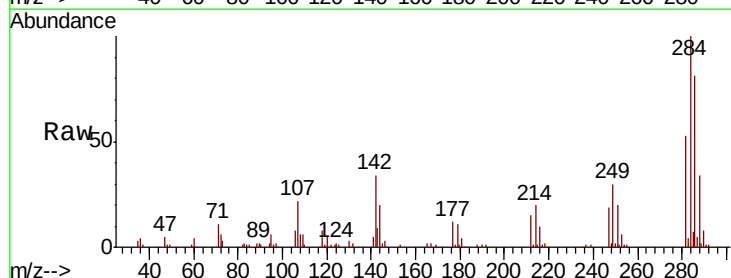
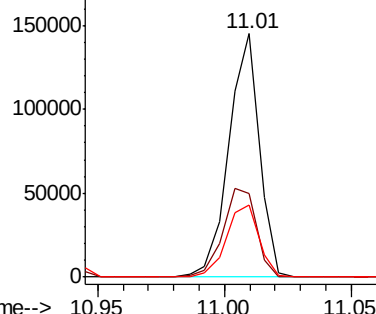
Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.1	24.6	36.8
249	29.5	24.1	36.1

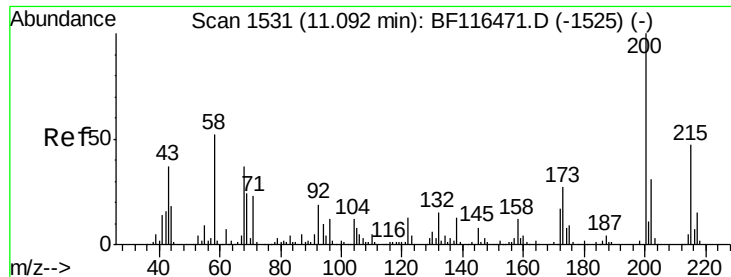
Abundance

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





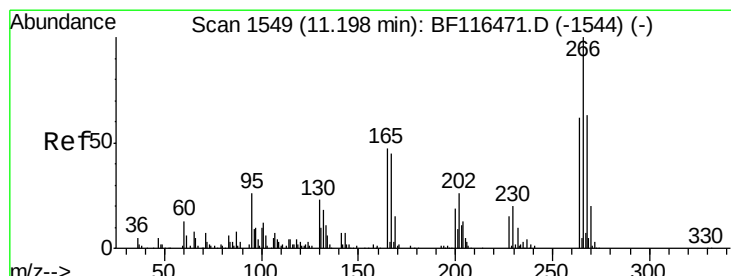
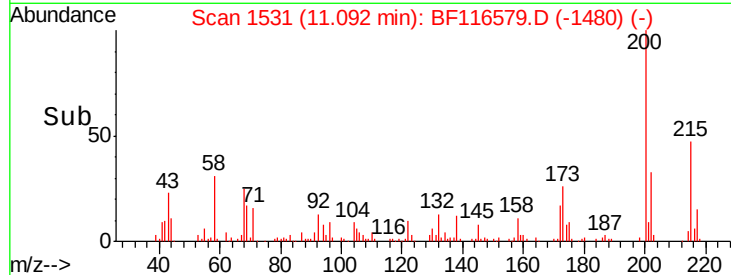
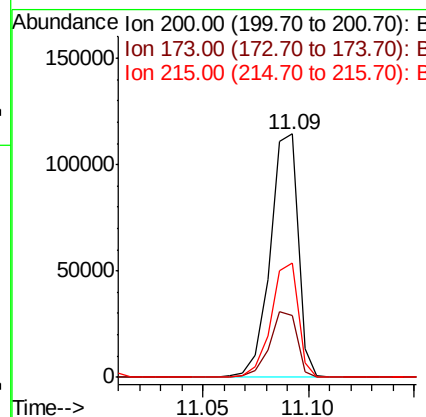
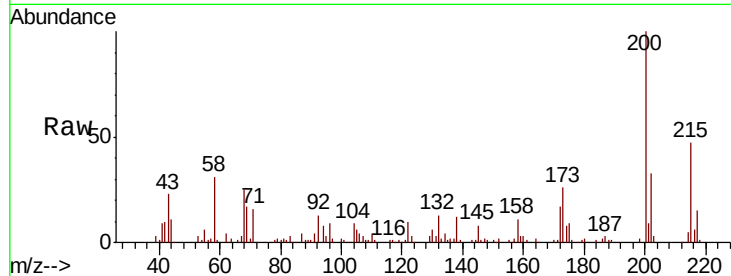
#69
 Atrazine
 Concen: 42.506 ng
 RT: 11.09 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 PB122218BS

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.6	7.3	47.3
215	47.0	26.7	66.7

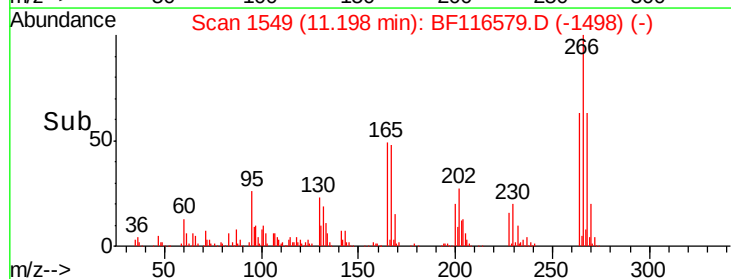
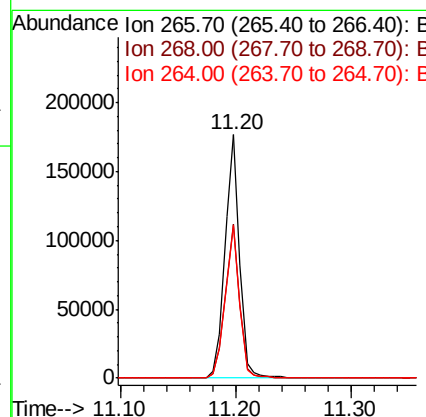
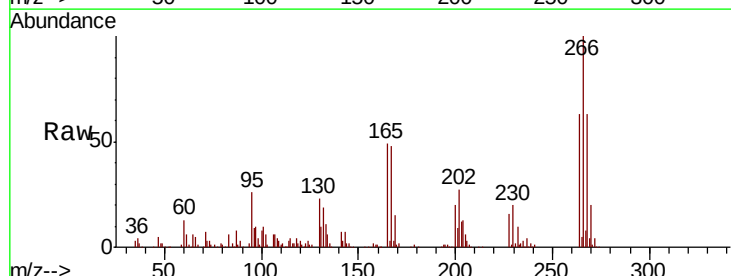
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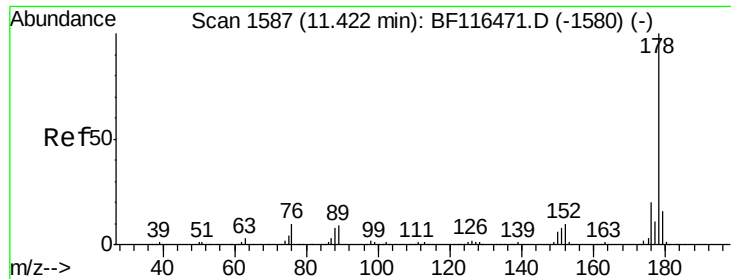
mohammad
 8/29/2019 7:54:40 AM



#70
 Pentachlorophenol
 Concen: 88.969 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.00 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.7	76.1
264	62.6	50.0	75.0





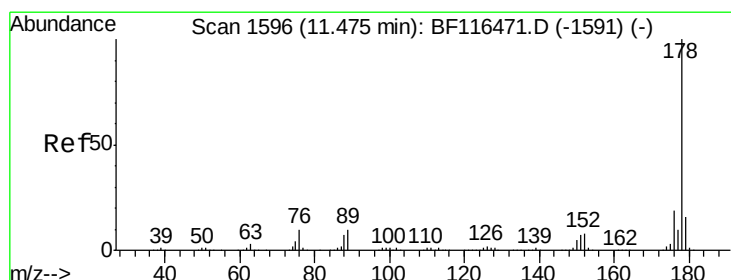
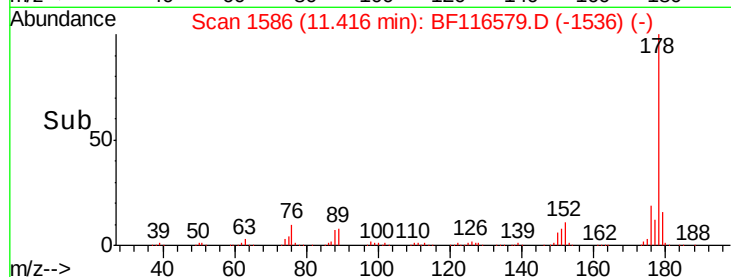
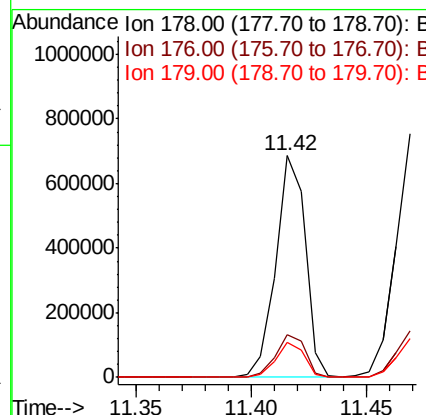
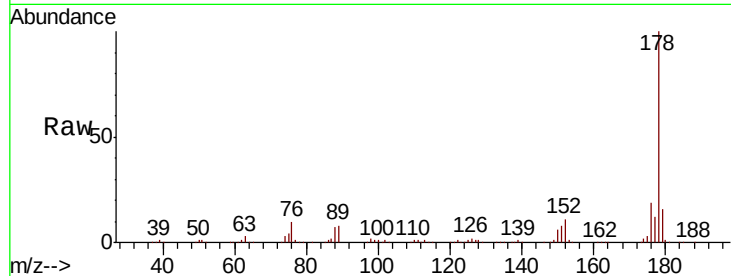
#71
 Phenanthrene
 Concen: 43.626 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Instrument :
 BNA_F
 ClientSampleID :
 PB122218BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	15.7	12.8	19.2

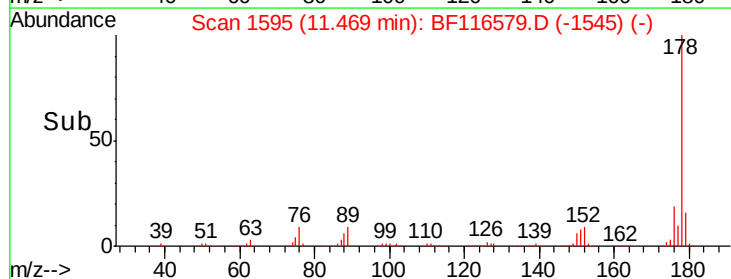
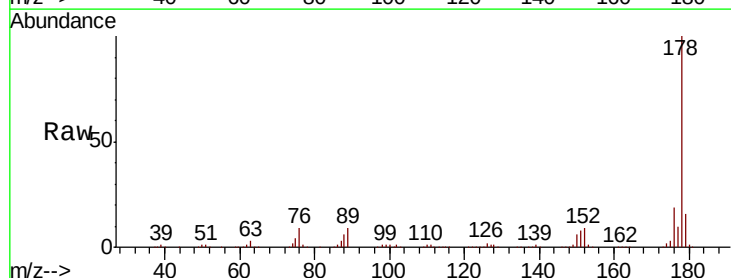
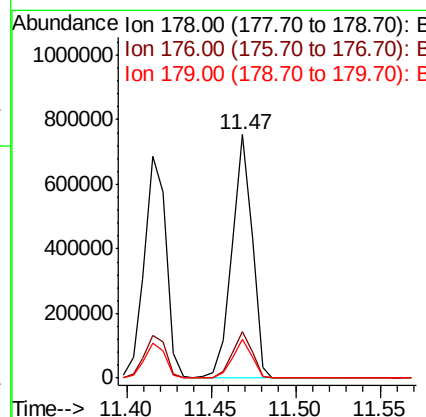
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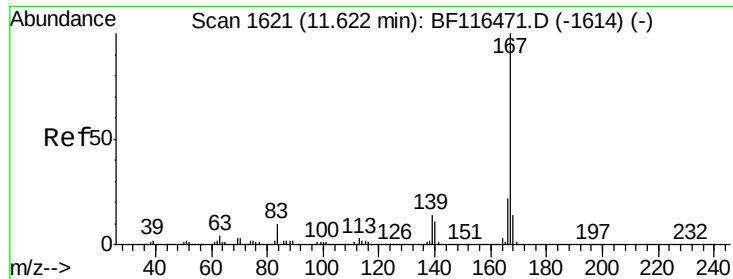
mohammad
 8/29/2019 7:54:40 AM



#72
 Anthracene
 Concen: 44.391 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.8	12.5	18.7





#73

Carbazole

Concen: 42.911 ng

RT: 11.62 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Instrument :

BNA_F

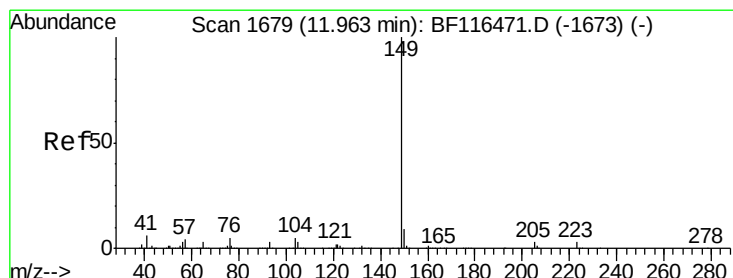
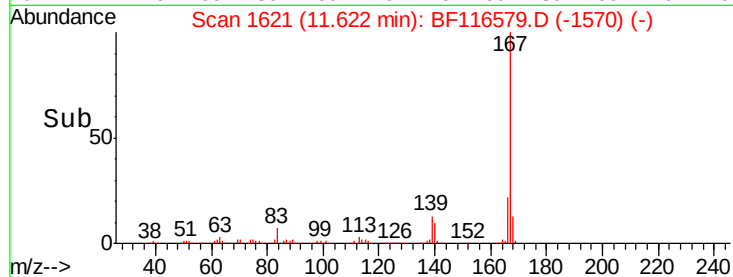
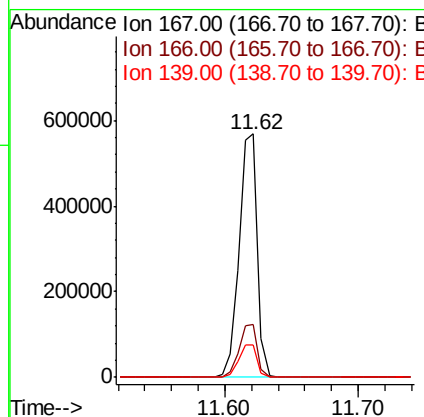
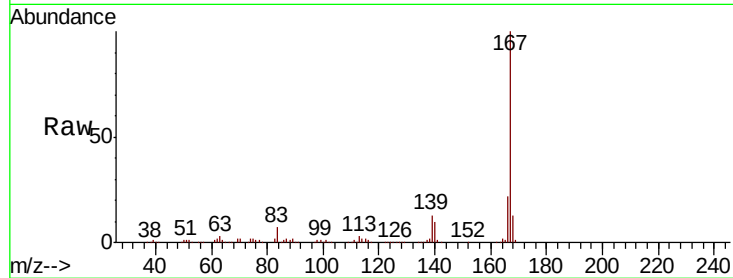
ClientSampleId :

PB122218BS

Tot Ion:	167	Resp:	541399
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.8	26.6
139	13.2	10.9	16.3

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#74

Di-n-butylphthalate

Concen: 42.542 ng

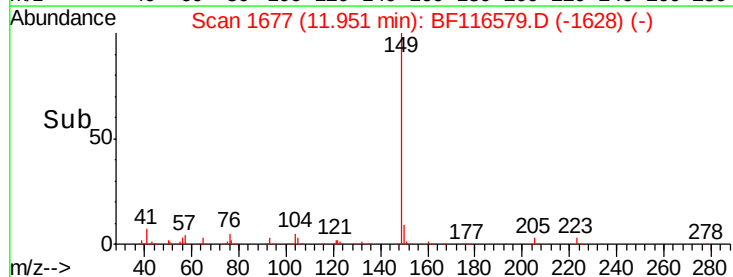
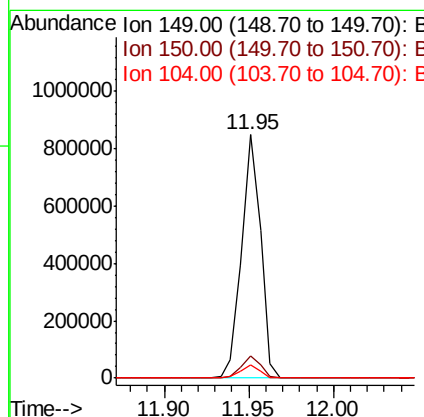
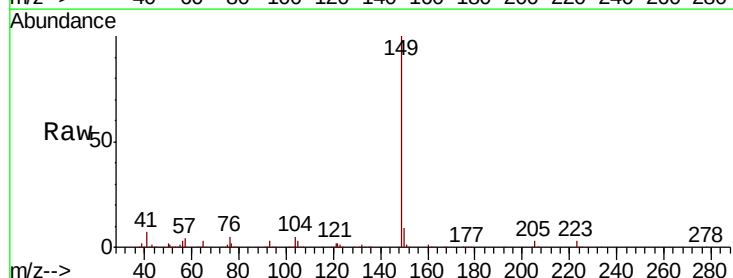
RT: 11.95 min Scan# 1677

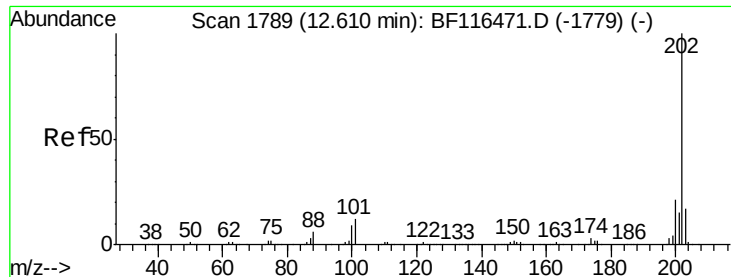
Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Tgt Ion:	149	Resp:	665112
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.5	11.3
104	5.3	4.1	6.1





#75

Fluoranthene

Concen: 42.427 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Instrument :

BNA_F

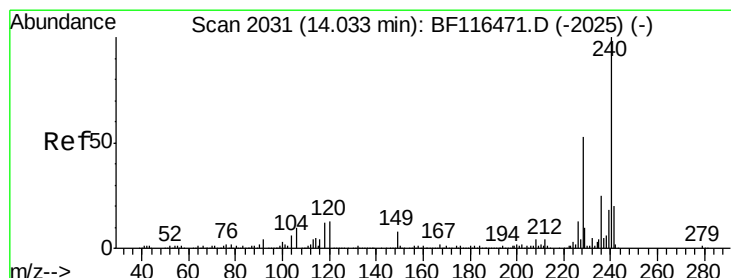
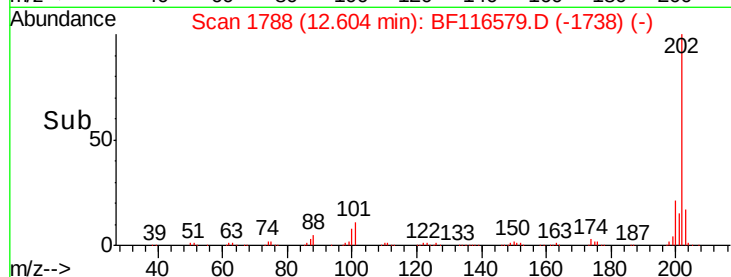
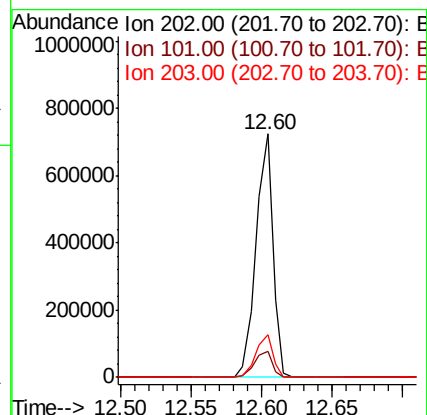
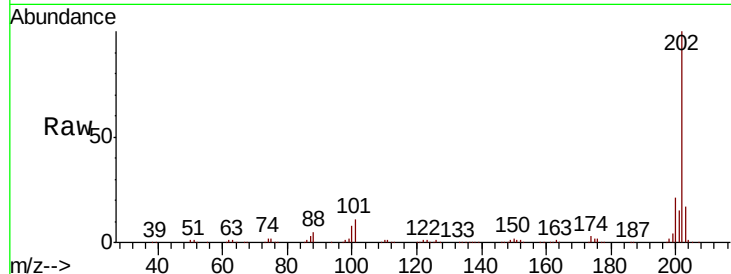
ClientSampleId :

PB122218BS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	613561		
101	10.8	0.0	31.5	
203	17.3	0.0	37.5	

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#76

Chrysene-d12

Concen: 20.000 ng

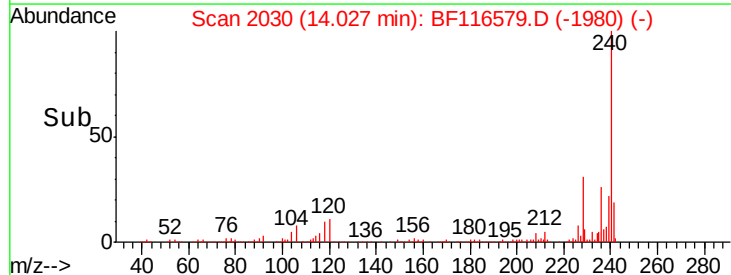
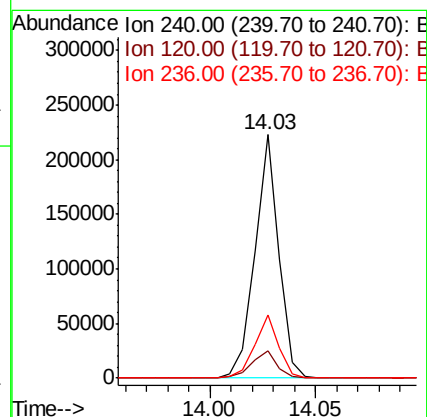
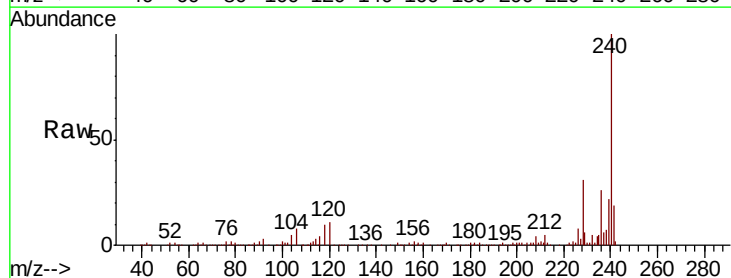
RT: 14.03 min Scan# 2030

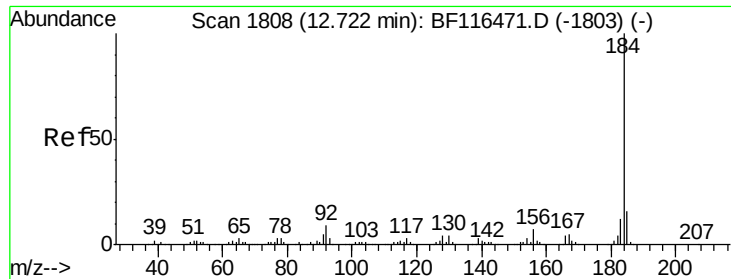
Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	174705		
120	11.1	10.5	15.7	
236	26.0	20.2	30.2	





#77

Benzidine

Concen: 42.011 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Instrument :

BNA_F

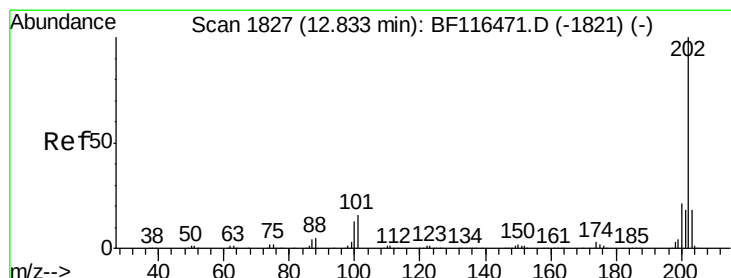
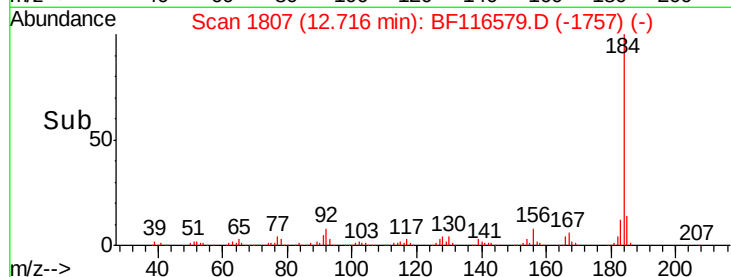
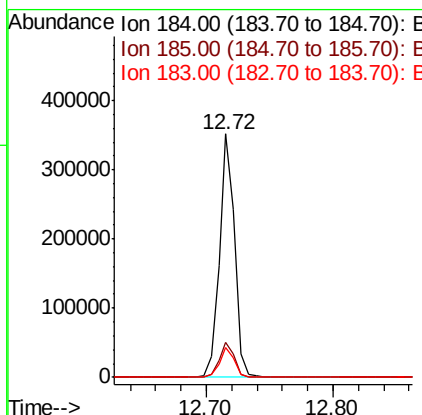
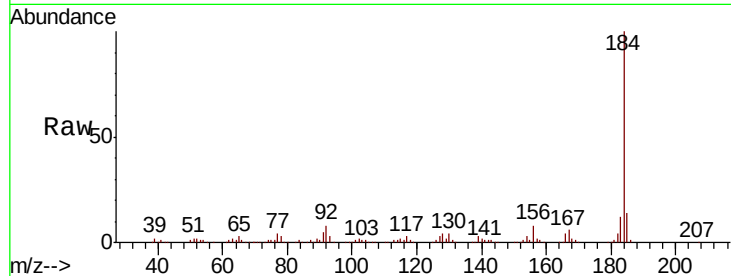
ClientSampleId :

PB122218BS

Tot Ion:	184	Resp:	295293
Ion Ratio	Lower	Upper	
184	100		
185	14.4	13.0	19.4
183	12.5	9.8	14.6

Manual Integrations
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#78

Pyrene

Concen: 44.731 ng

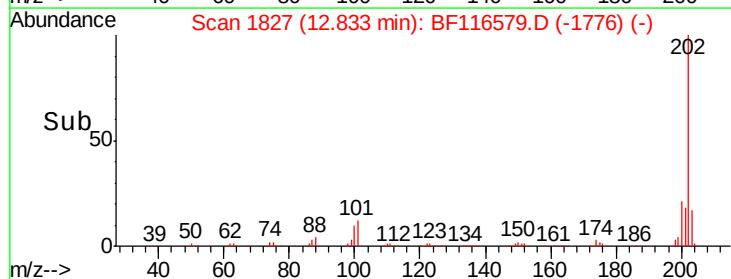
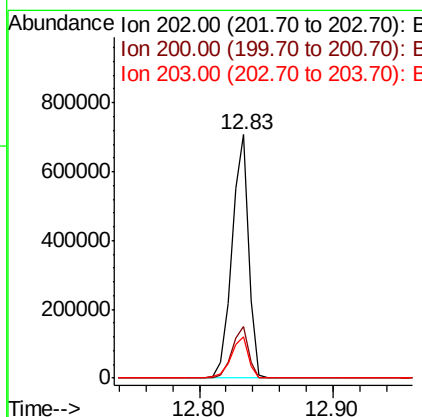
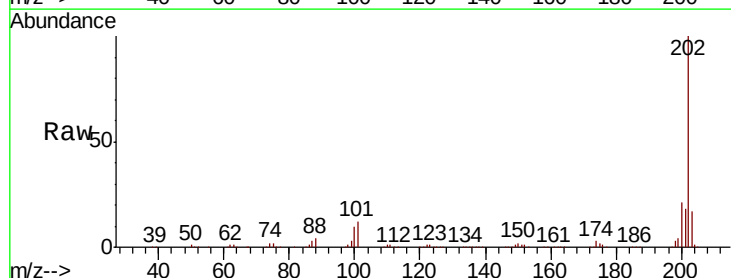
RT: 12.83 min Scan# 1827

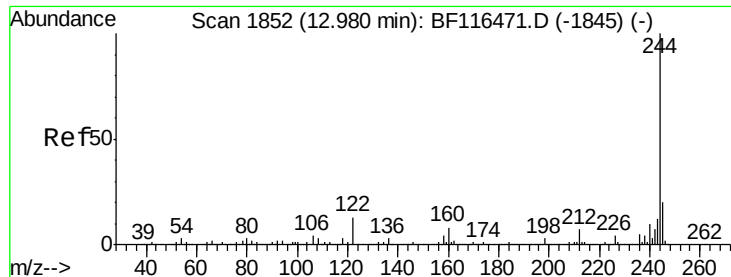
Delta R.T. -0.00 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Tgt Ion:	202	Resp:	624948
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.0	25.4
203	17.1	14.2	21.4





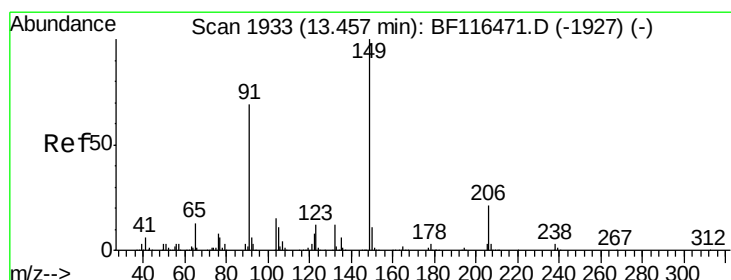
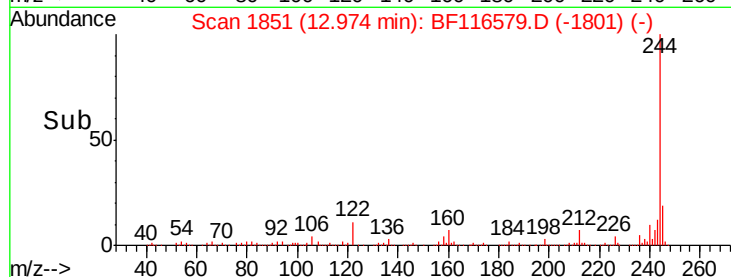
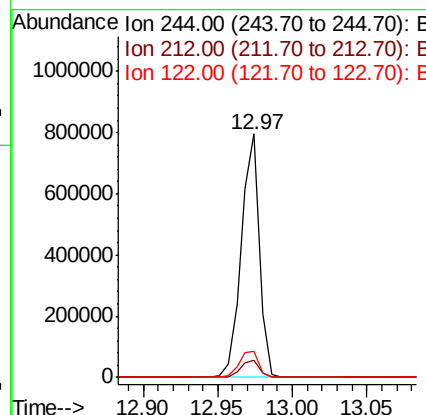
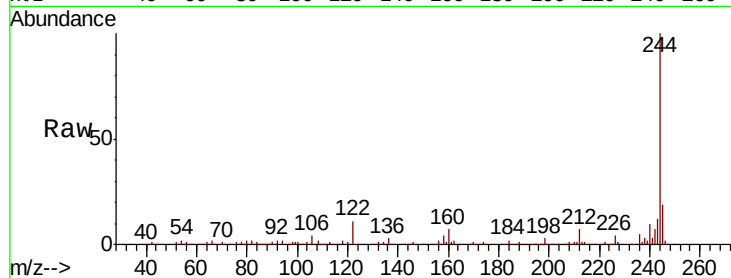
#79
 Terphenyl-d14
 Concen: 72.490 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Instrument :
 BNA_F
 ClientSampled :
 PB122218BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	10.7	10.2	15.4

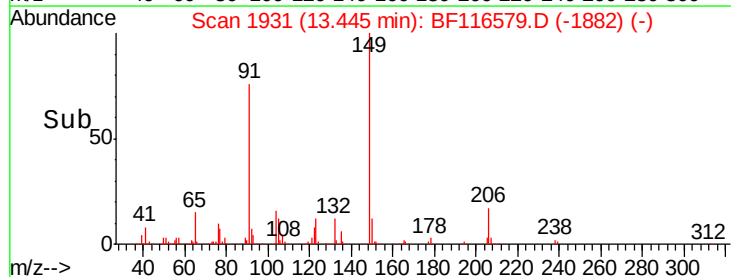
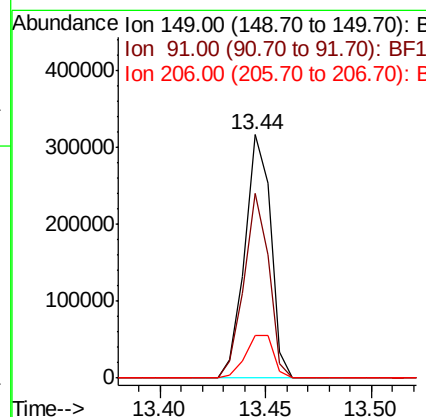
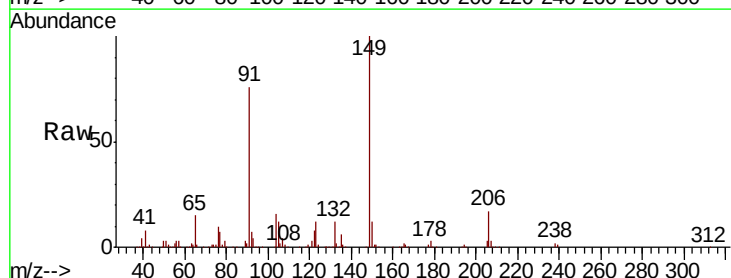
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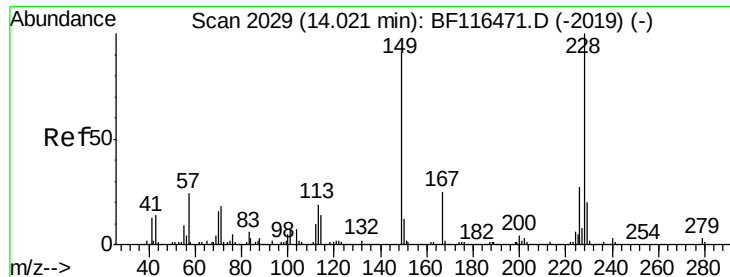
mohammad
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#80
 Butylbenzylphthalate
 Concen: 44.730 ng
 RT: 13.44 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: BF116579.D
 Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.8	54.9	82.3
206	17.4	16.6	24.8





#81

Benzo(a)anthracene

Concen: 43.733 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Instrument :

BNA_F

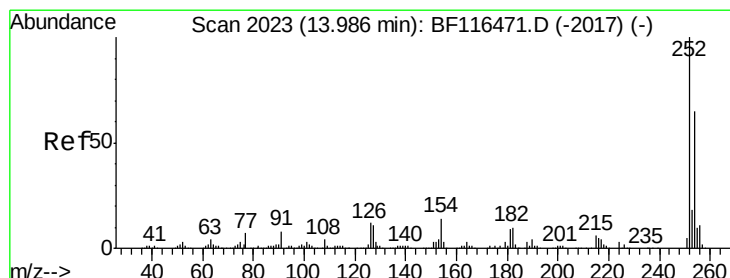
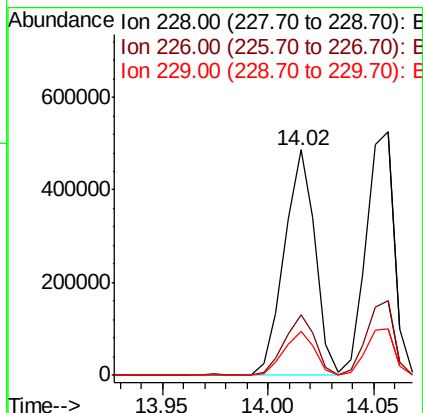
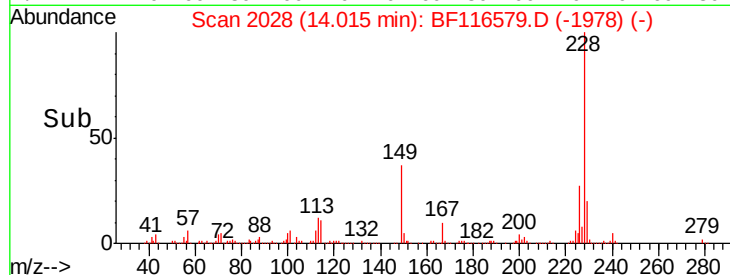
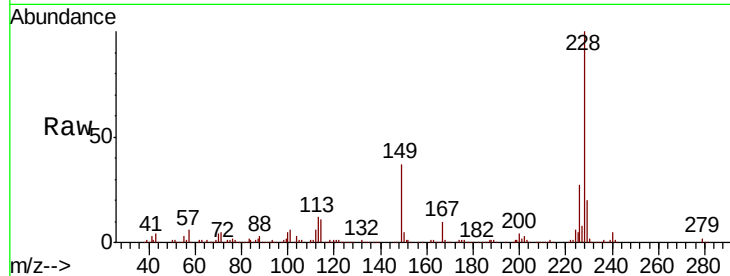
ClientSampleId :

PB122218BS

Tot Ion:	228	Resp:	494844
Ion Ratio	Lower	Upper	
228	100		
226	26.9	21.8	32.6
229	19.5	15.9	23.9

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 30.062 ng

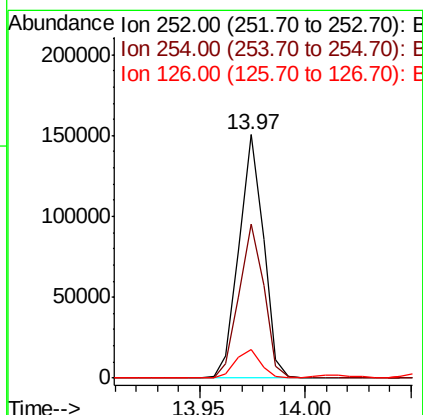
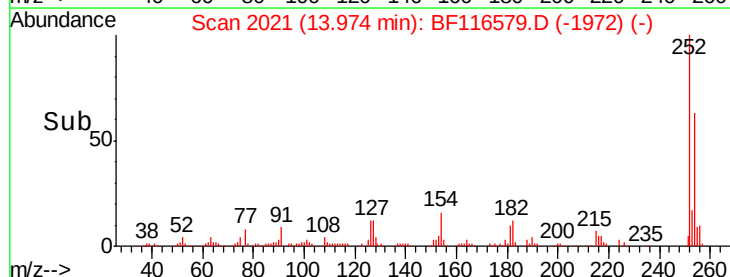
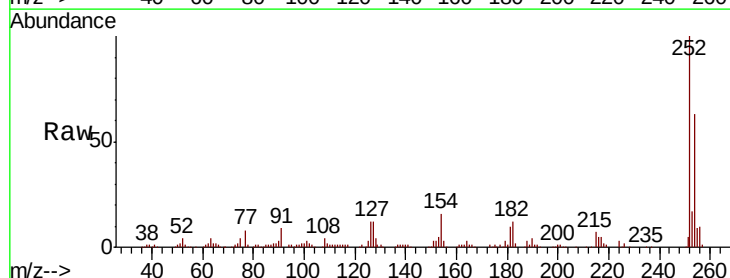
RT: 13.97 min Scan# 2021

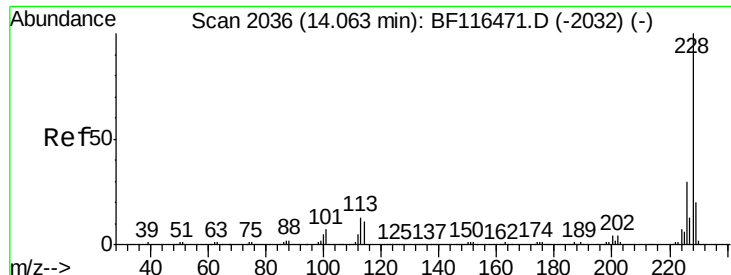
Delta R.T. -0.01 min

Lab File: BF116579.D

Acq: 27 Aug 2019 12:29

Tgt Ion:	252	Resp:	121218
Ion Ratio	Lower	Upper	
252	100		
254	63.1	51.9	77.9
126	11.8	9.4	14.0





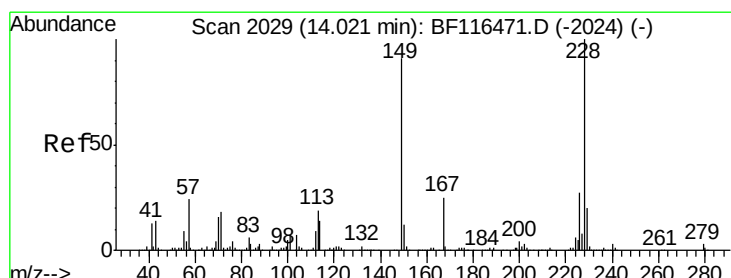
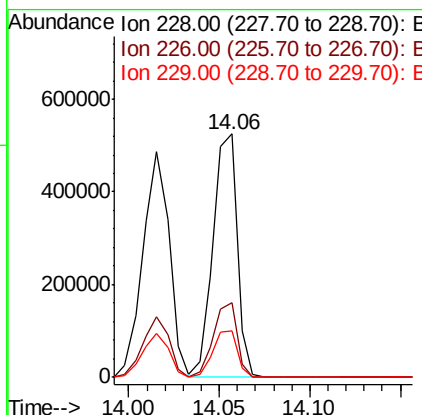
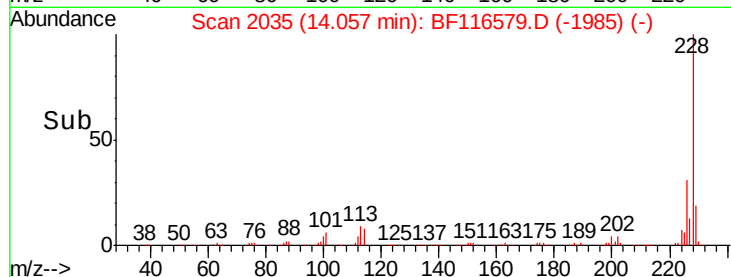
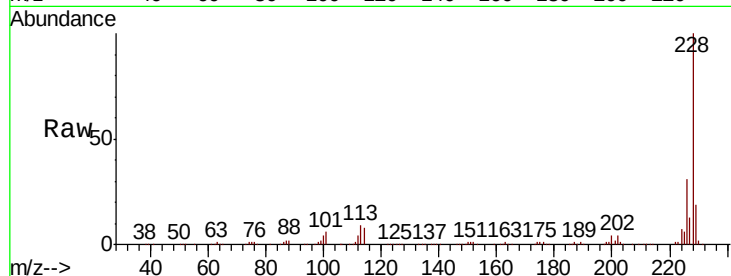
#83
Chrysene
Concen: 42.672 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	19.0	15.8	23.6

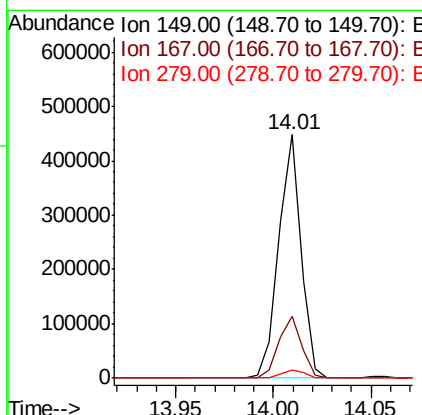
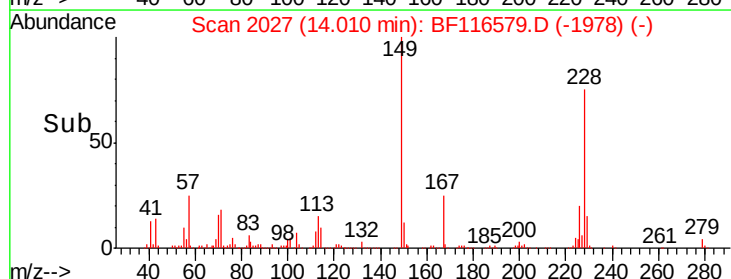
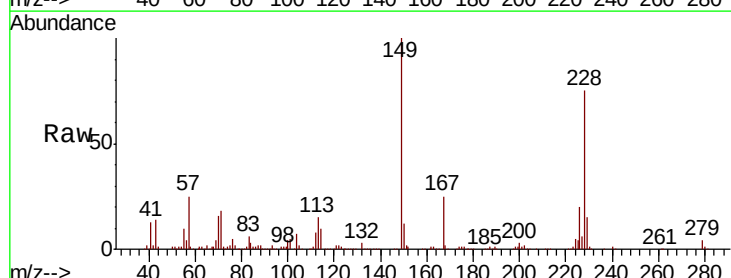
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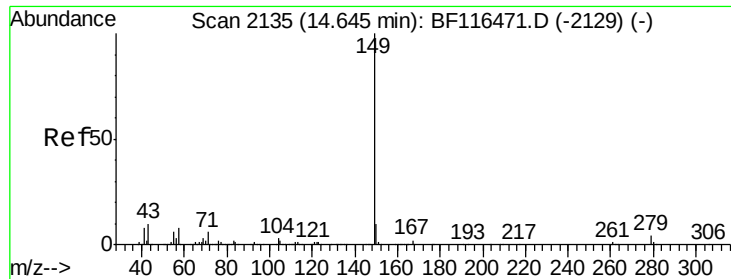
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#84
Bis(2-ethylhexyl)phthalate
Concen: 44.219 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.4	21.8	32.6
279	3.5	3.0	4.4





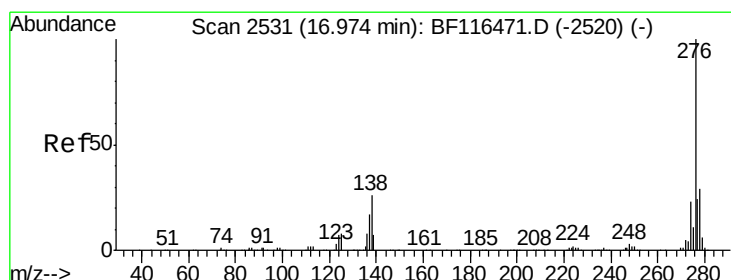
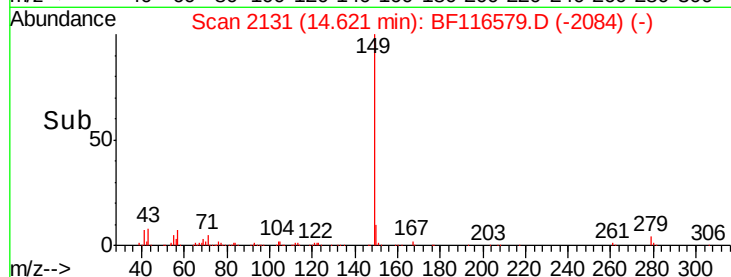
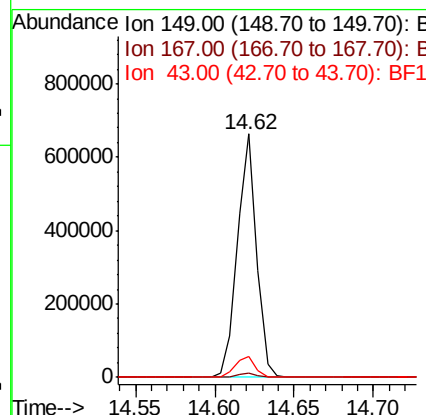
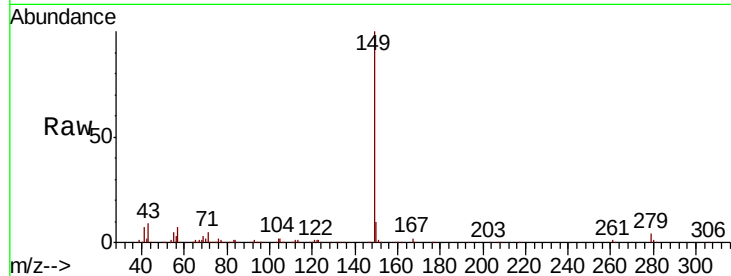
#85
Di-n-octyl phthalate
Concen: 40.567 ng
RT: 14.62 min Scan# 2131
Delta R.T. -0.02 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.9	7.8	11.8

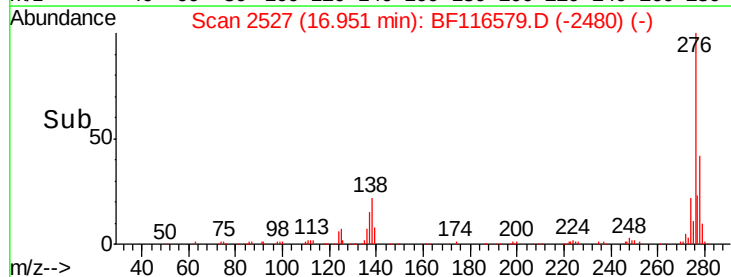
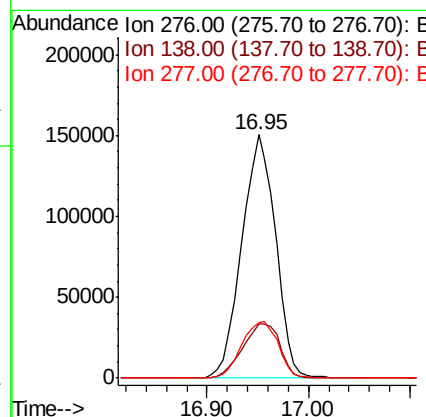
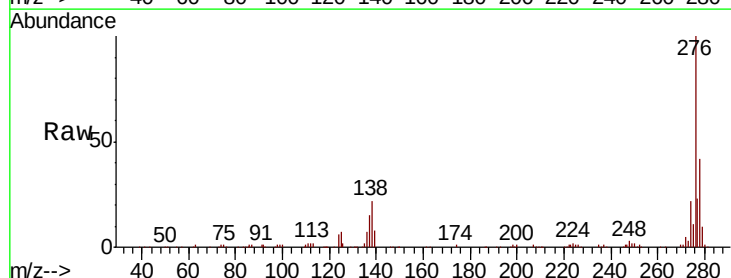
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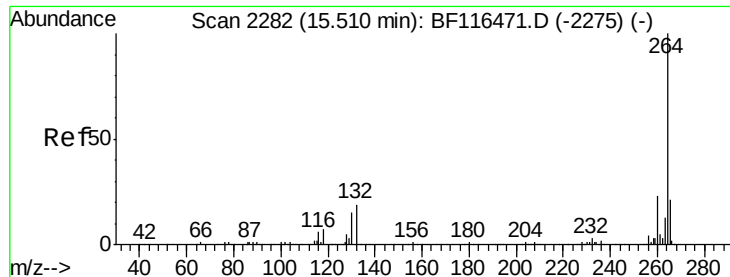
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#86
Indeno(1,2,3-cd)pyrene
Concen: 35.462 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.02 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	24.7	22.9	34.3
277	25.1	19.9	29.9





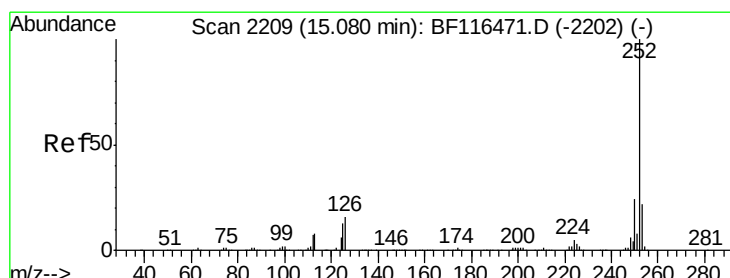
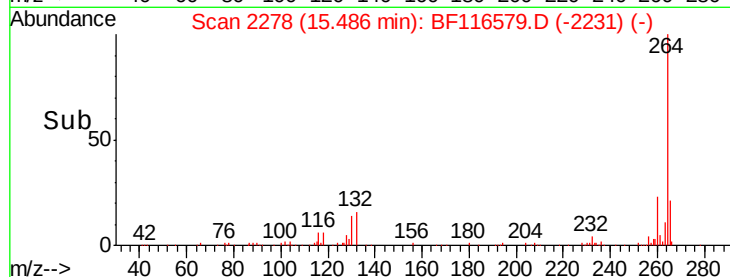
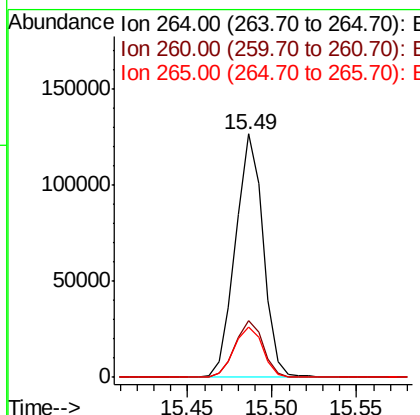
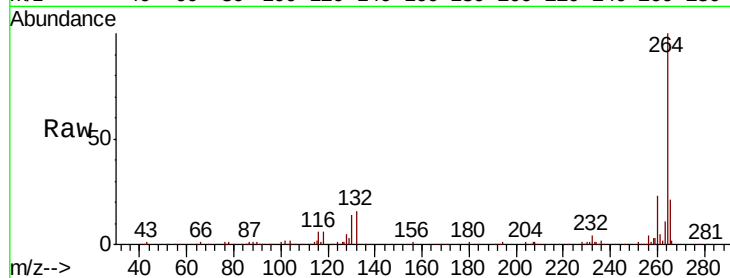
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	20.7	17.1	25.7

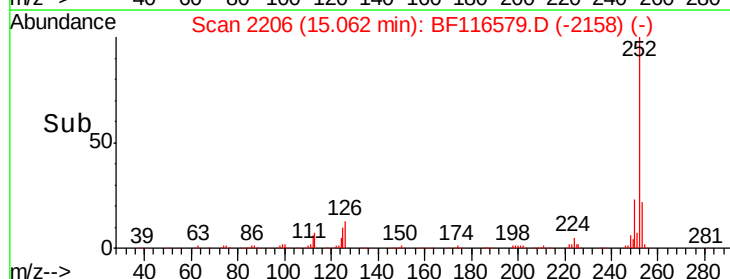
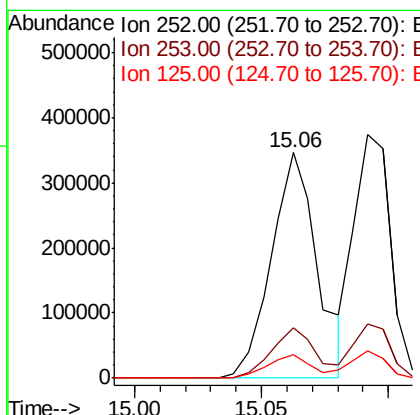
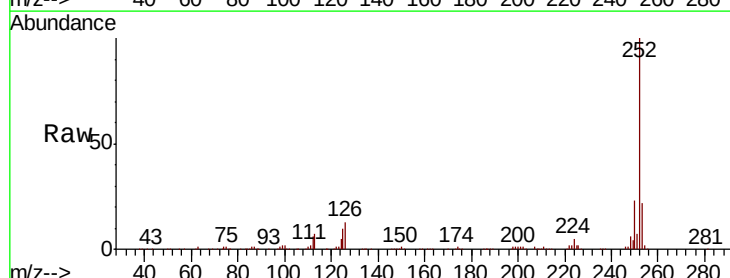
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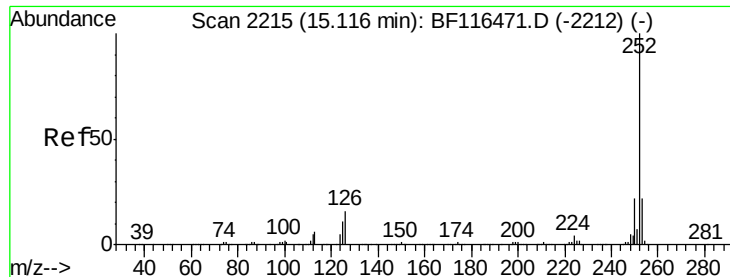
mohammad
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#88
Benzo(b)fluoranthene
Concen: 48.942 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.4	10.1	15.1





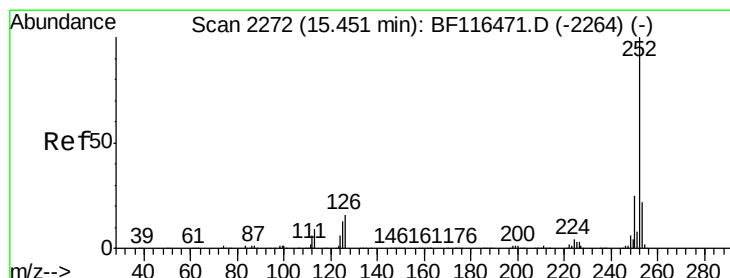
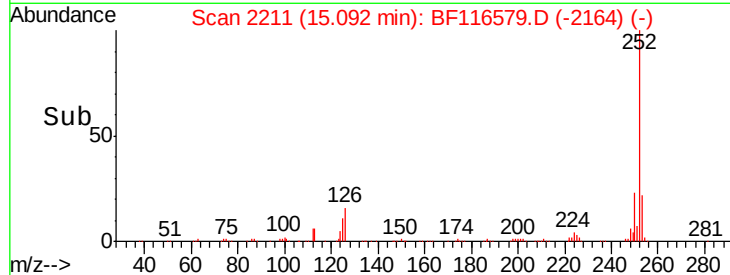
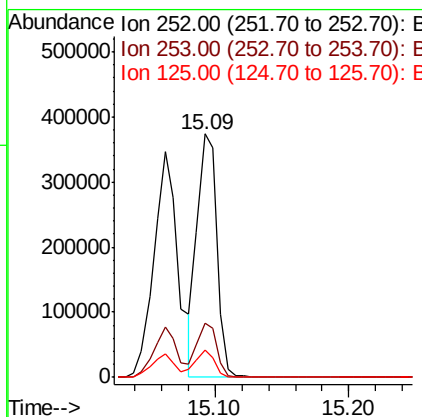
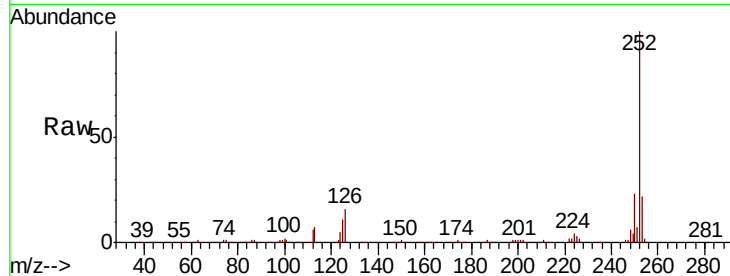
#89
Benzo(k)fluoranthene
Concen: 46.686 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	378154		
253	22.1		17.4	26.2
125	11.0		9.1	13.7

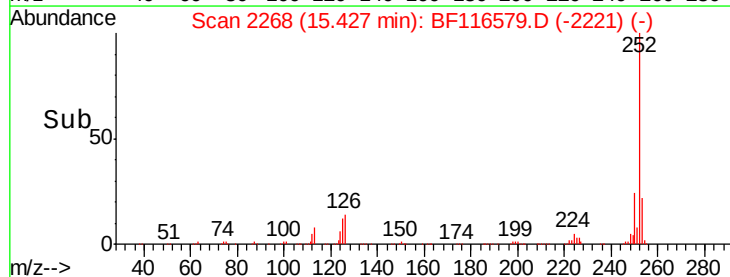
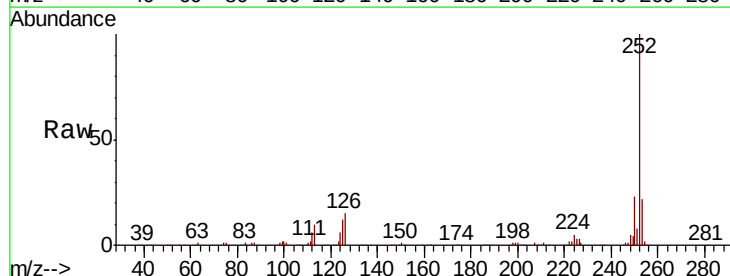
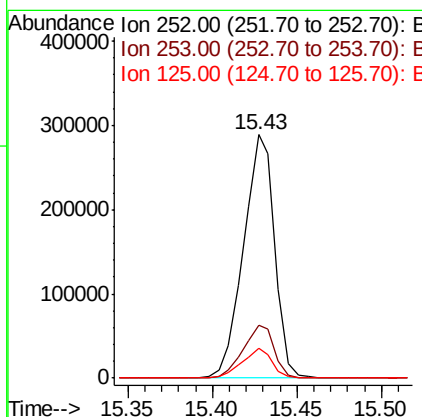
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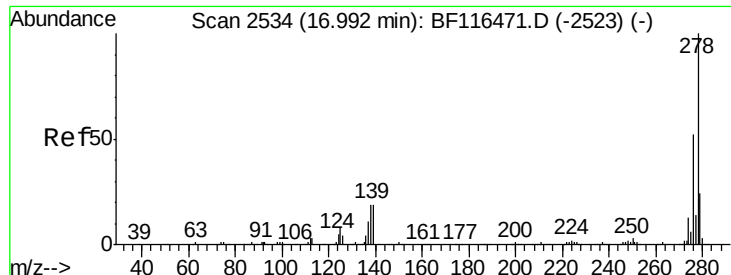
mohammad
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#90
Benzo(a)pyrene
Concen: 46.876 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	370417		
253	21.8		17.2	25.8
125	12.0		10.2	15.4





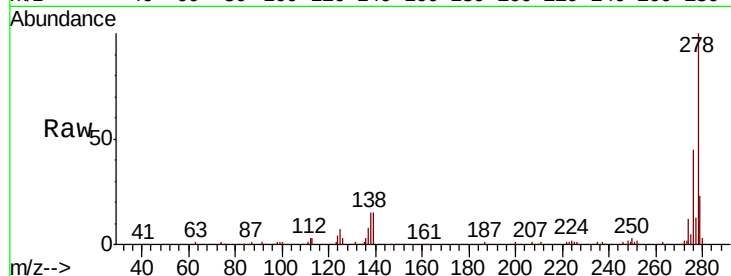
#91
Dibenzo(a,h)anthracene
Concen: 45.029 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
PB122218BS

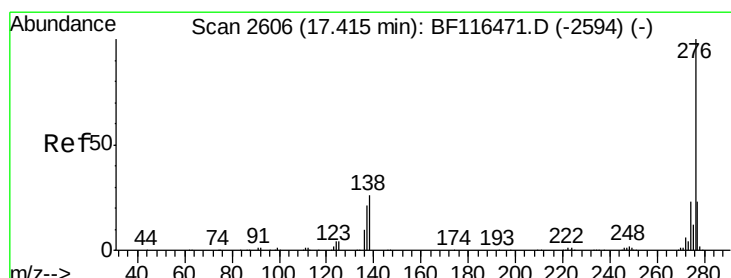
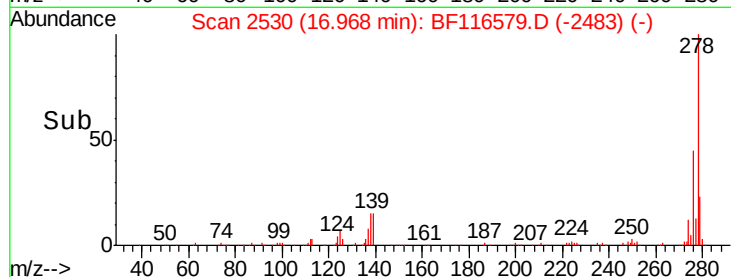
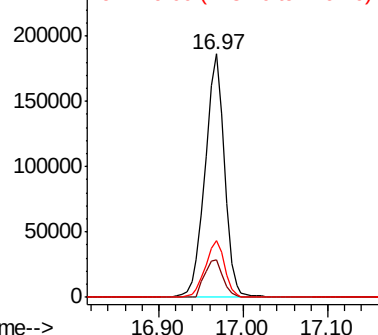
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.5	15.3	22.9
279	23.4	19.0	28.6

Manual Integrations
APPROVED

mohammad
8/29/2019 7:54:40 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: 46.152 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BF116579.D
Acq: 27 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.7	28.1
138	21.9	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

