

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072719\
 Data File : BF115817.D
 Acq On : 27 Jul 2019 9:06
 Operator : HP/JU
 Sample : PB121745BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121745BS

Manual Integrations
 APPROVED

mohammad
 7/29/2019 5:29:45 PM

Quant Time: Jul 29 01:18:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 25 13:16:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	170043	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	706456	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	370731	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	693240	20.00	ng	0.00
76) Chrysene-d12	14.03	240	456474	20.00	ng	0.00
87) Perylene-d12	15.50	264	367599	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1110831	106.86	ng	0.02
7) Phenol-d6	6.51	99	1443828	109.46	ng	0.00
23) Nitrobenzene-d5	7.43	82	929073	76.47	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	439080	101.47	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1733709	81.85	ng	0.00
79) Terphenyl-d14	12.98	244	1789446	72.33	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.76	88	178408	34.405 ng	99
3) Pyridine	3.51	79	424229	30.154 ng	99
4) n-Nitrosodimethylamine	3.46	42	196194	38.440 ng	97
6) Aniline	6.53	93	465728	25.371 ng	96
8) 2-Chlorophenol	6.66	128	453332	37.929 ng	95
9) Benzaldehyde	6.42	77	198435	24.073 ng	98
10) Phenol	6.52	94	567287	37.046 ng	97
11) bis(2-Chloroethyl)ether	6.61	93	434789	37.294 ng	96
12) 1,3-Dichlorobenzene	6.82	146	473628	35.245 ng	99
13) 1,4-Dichlorobenzene	6.89	146	481047	35.878 ng	99
14) 1,2-Dichlorobenzene	7.05	146	446714	36.447 ng	99
15) Benzyl Alcohol	7.02	79	389255	37.199 ng	98
16) 2,2'-oxybis(1-Chloropropan	7.15	45	592193	38.582 ng	96
17) 2-Methylphenol	7.13	107	404189	39.241 ng	99
18) Hexachloroethane	7.39	117	178319	35.832 ng	95
19) n-Nitroso-di-n-propylamine	7.29	70	322025	37.432 ng	99
20) 3+4-Methylphenols	7.28	107	464087	37.932 ng	99
22) Acetophenone	7.28	105	623122	39.043 ng	# 99
24) Nitrobenzene	7.45	77	508101	38.773 ng	95
25) Isophorone	7.69	82	953880	39.236 ng	99
26) 2-Nitrophenol	7.77	139	258204	38.281 ng	100
27) 2,4-Dimethylphenol	7.81	122	439963	43.595 ng	97
28) bis(2-Chloroethoxy)methane	7.90	93	587554	39.395 ng	99
29) 2,4-Dichlorophenol	8.02	162	411119	39.170 ng	98
30) 1,2,4-Trichlorobenzene	8.10	180	437241	36.854 ng	99
31) Naphthalene	8.17	128	1345237	39.319 ng	100
32) Benzoic acid	7.95	122	306141	36.963 ng	99
33) 4-Chloroaniline	8.22	127	381748	25.190 ng	99
34) Hexachlorobutadiene	8.29	225	249630	36.691 ng	96
35) Caprolactam	8.60	113	121692m	37.520 ng	
36) 4-Chloro-3-methylphenol	8.71	107	434279	39.888 ng	97
37) 2-Methylnaphthalene	8.87	142	923153	40.705 ng	99
38) 1-Methylnaphthalene	8.97	142	870474	40.409 ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	419017	37.533 ng	99

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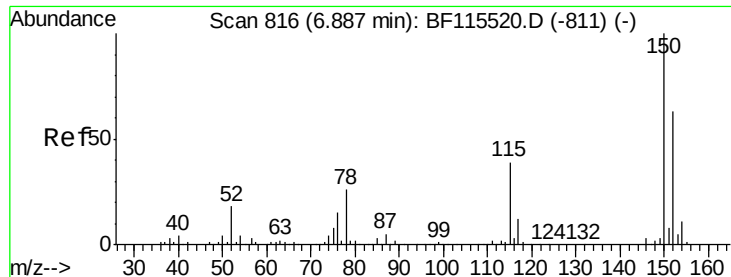
Manual Integrations
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 7/29/2019 5:29:45 PM

Quant Time: Jul 29 01:18:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 25 13:16:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.02	237	305409	47.957	nq	98
43) 2,4,6-Trichlorophenol	9.15	196	287664	35.235	nq	99
44) 2,4,5-Trichlorophenol	9.19	196	304344	36.401	nq	99
46) 1,1'-Biphenyl	9.33	154	1127183	38.891	nq	100
47) 2-Chloronaphthalene	9.36	162	891568	36.944	nq	99
48) 2-Nitroaniline	9.45	65	278890	37.337	nq	97
49) Acenaphthylene	9.77	152	1355944	37.919	nq	99
50) Dimethylphthalate	9.63	163	1054466	37.804	nq	100
51) 2,6-Dinitrotoluene	9.69	165	232347	36.655	nq	100
52) Acenaphthene	9.95	154	818471	35.452	nq	98
53) 3-Nitroaniline	9.86	138	190857	26.348	nq	98
54) 2,4-Dinitrophenol	9.97	184	207345	63.711	nq	99
55) Dibenzofuran	10.12	168	1214900	37.055	nq	100
56) 4-Nitrophenol	10.03	139	348625	63.114	nq	96
57) 2,4-Dinitrotoluene	10.10	165	306562	37.330	nq	91
58) Fluorene	10.46	166	918924	39.206	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.24	232	263132	37.648	nq	98
60) Diethylphthalate	10.33	149	1015182	38.845	nq	99
61) 4-Chlorophenyl-phenylether	10.45	204	472129	36.324	nq	97
62) 4-Nitroaniline	10.48	138	239191	34.425	nq	98
63) Azobenzene	10.61	77	1025734	40.464	nq	99
65) 4,6-Dinitro-2-methylphenol	10.52	198	146529	34.596	nq	91
66) n-Nitrosodiphenylamine	10.57	169	833068	38.632	nq	99
67) 4-Bromophenyl-phenylether	10.94	248	294306	37.150	nq	99
68) Hexachlorobenzene	11.02	284	323611	35.770	nq	96
69) Atrazine	11.09	200	238978	33.781	nq	99
70) Pentachlorophenol	11.20	266	355353	64.220	nq	99
71) Phenanthrene	11.42	178	1348104	37.938	nq	99
72) Anthracene	11.47	178	1373331	37.396	nq	100
73) Carbazole	11.63	167	1224226	38.015	nq	99
74) Di-n-butylphthalate	11.95	149	1557774	39.270	nq	99
75) Fluoranthene	12.61	202	1400708	37.302	nq	99
77) Benzidine	12.72	184	396182	24.500	nq	98
78) Pyrene	12.84	202	1405853	36.351	nq	99
80) Butylbenzylphthalate	13.44	149	657910	39.906	nq	100
81) Benzo(a)anthracene	14.03	228	1154903	38.404	nq	99
82) 3,3'-Dichlorobenzidine	13.98	252	352262	32.950	nq	99
83) Chrysene	14.06	228	1099265	36.413	nq	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	920210	45.061	nq	100
85) Di-n-octyl phthalate	14.62	149	1472003	45.303	nq	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	919941	35.868	nq	99
88) Benzo(b)fluoranthene	15.07	252	1078073	45.545	nq	100
89) Benzo(k)fluoranthene	15.10	252	917663	43.484	nq	100
90) Benzo(a)pyrene	15.44	252	922540	45.346	nq	98
91) Dibenzo(a,h)anthracene	17.00	278	786474	44.034	nq	99
92) Benzo(g,h,i)perylene	17.43	276	743186	41.723	nq	98

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



#1

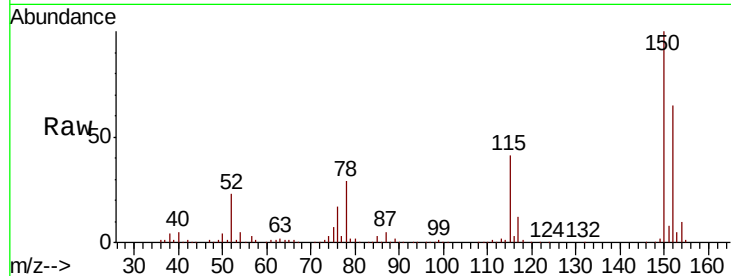
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.6	189.8
115	62.8	47.8	71.6

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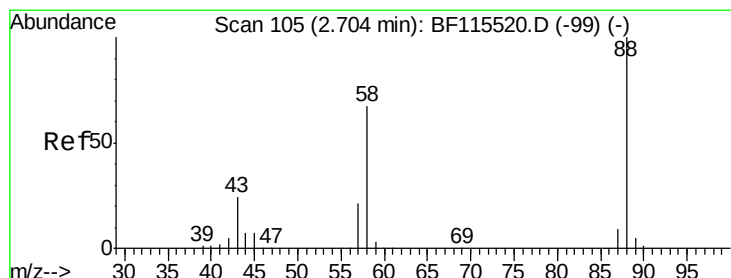
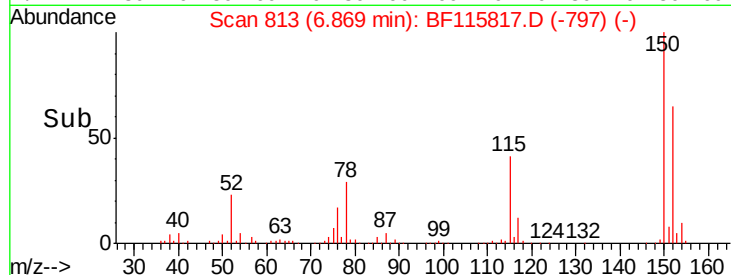
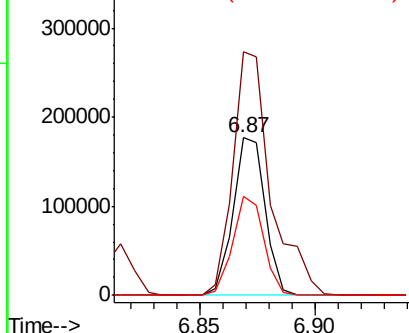


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

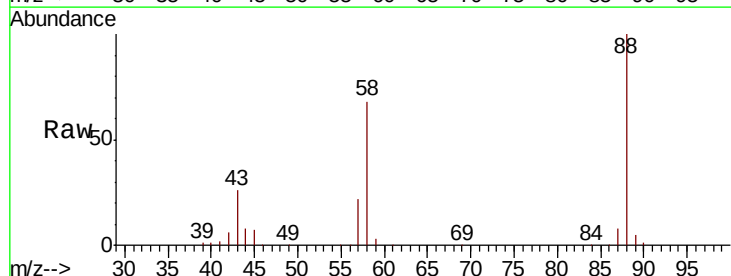
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 34.405 ng
RT: 2.76 min Scan# 115
Delta R.T. 0.11 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.7	54.2	81.4
43	26.1	20.8	31.2

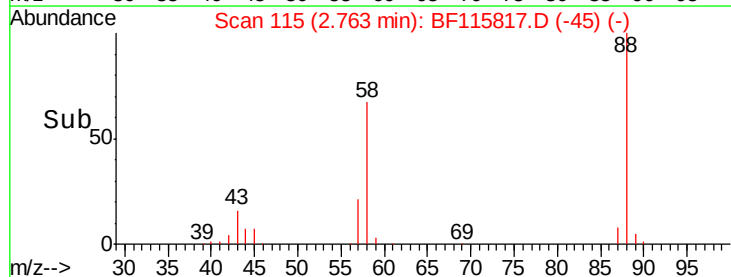
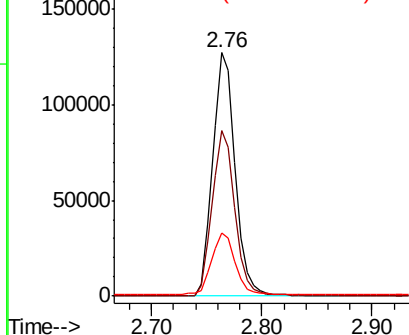


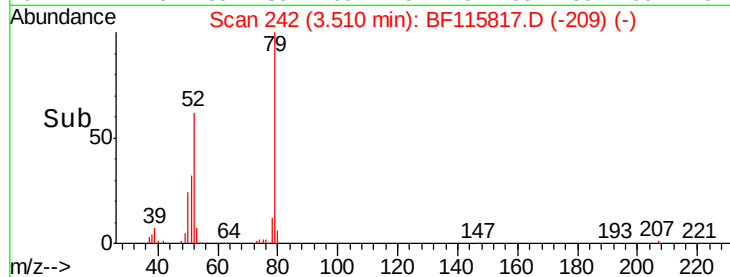
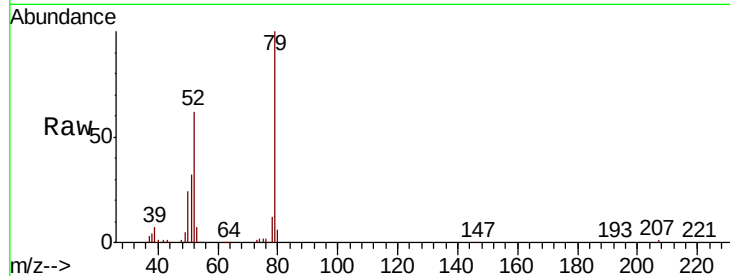
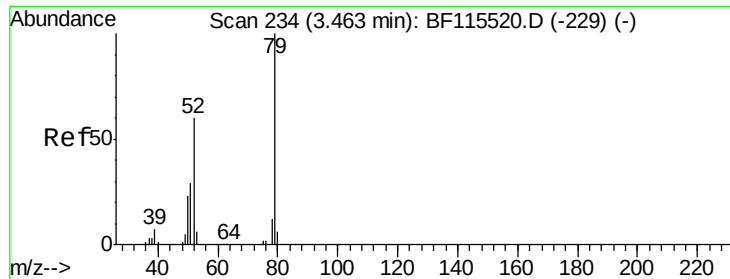
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





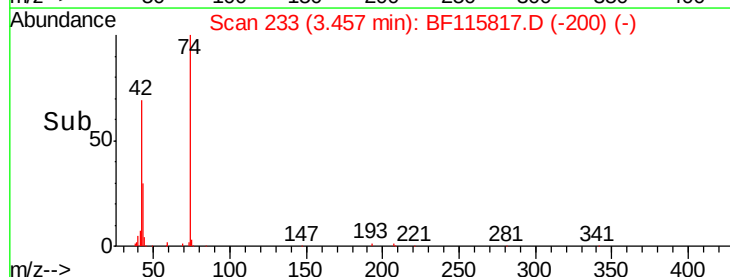
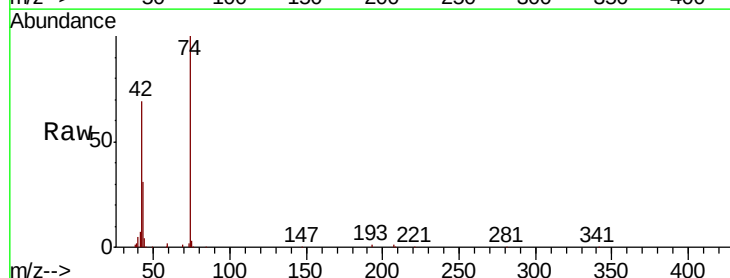
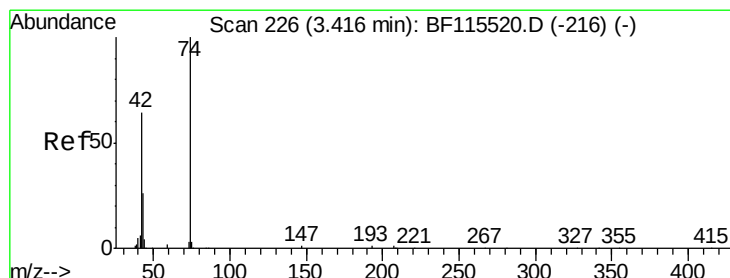
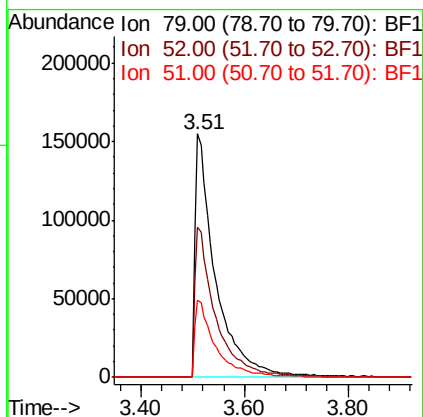
#3
Pvridine
Concen: 30.154 ng
RT: 3.51 min Scan# 242
Delta R.T. 0.09 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tot Ion	Ratio	Lower	Upper
79	100		
52	61.7	48.4	72.6
51	31.6	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
PB121745BS

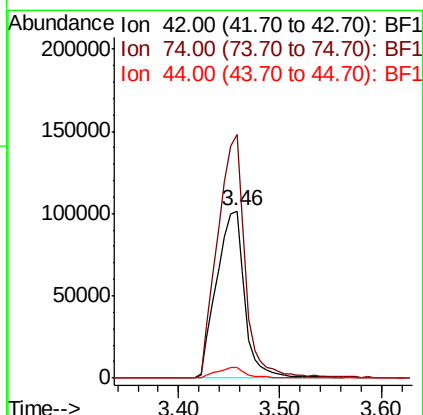
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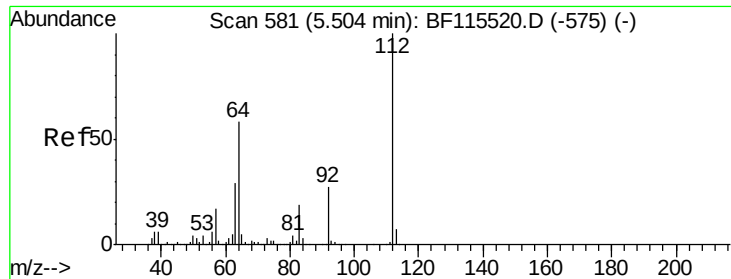
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#4
n-Nitrosodimethylamine
Concen: 38.440 ng
RT: 3.46 min Scan# 233
Delta R.T. 0.09 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Lower	Upper
42	100		
74	145.7	113.4	170.0
44	6.4	5.1	7.7





#5

2-Fluorophenol

Concen: 106.855 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.02 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

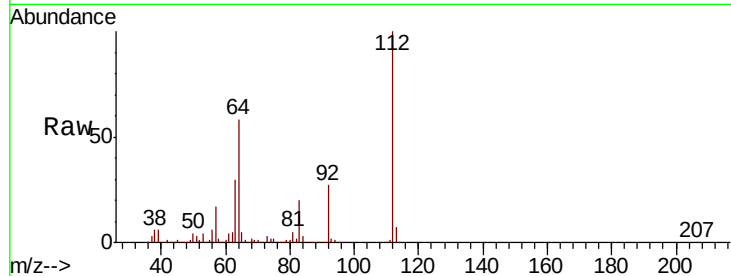
ClientSampleId :

PB121745BS

Tot Ion:	112	Resp:	1110831
Ion	Ratio	Lower	Upper
112	100		
64	58.1	45.8	68.8
63	30.5	23.6	35.4

Manual Integrations
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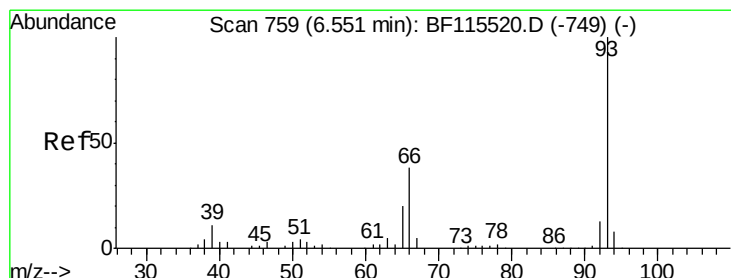
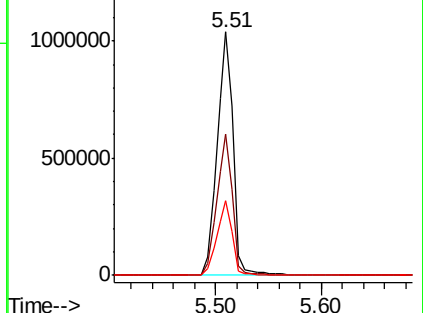
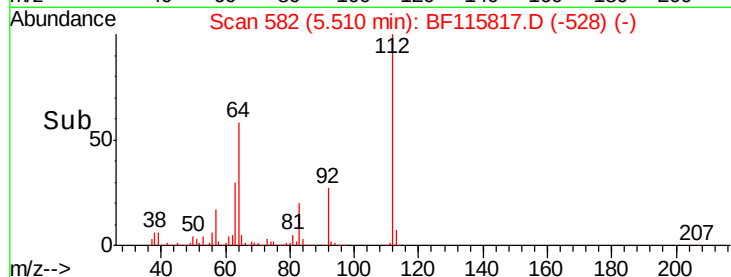
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Abundance Ion 112.00 (111.70 to 112.70): BF115520.D (-575) (-)

Ion 64.00 (63.70 to 64.70): BF115520.D (-575) (-)

Ion 63.00 (62.70 to 63.70): BF115520.D (-575) (-)



#6

Aniline

Concen: 25.371 ng

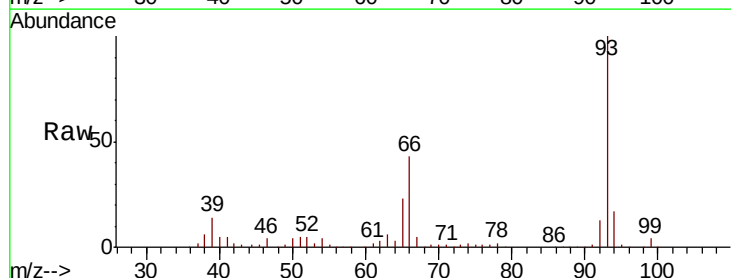
RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

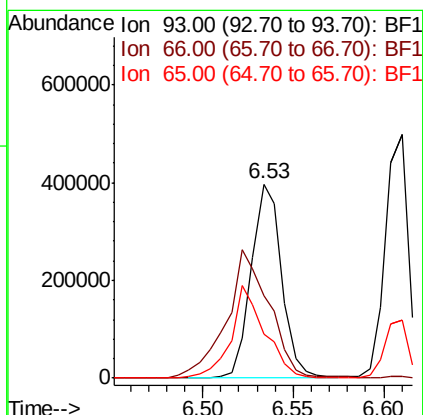
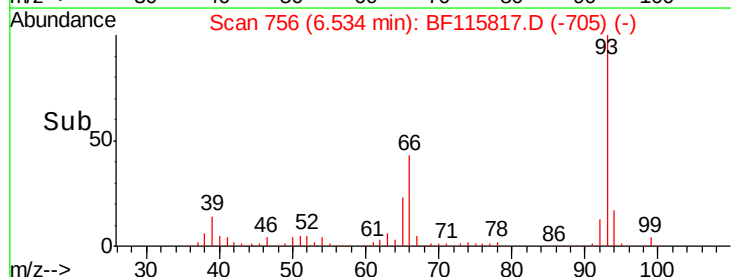
Tgt Ion:	93	Resp:	465728
Ion	Ratio	Lower	Upper
93	100		
66	42.7	32.2	48.2
65	22.7	16.5	24.7

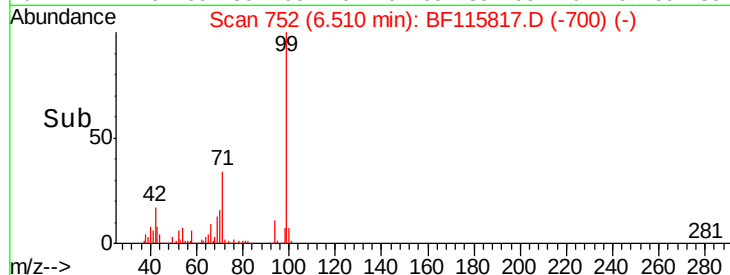
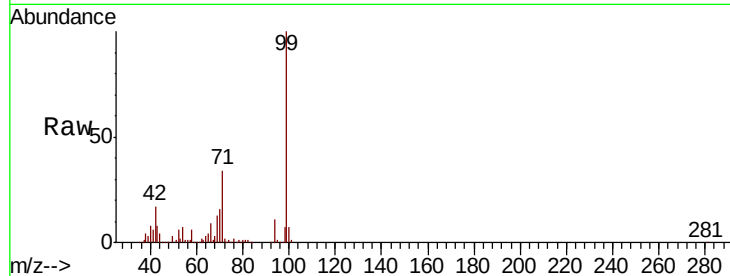
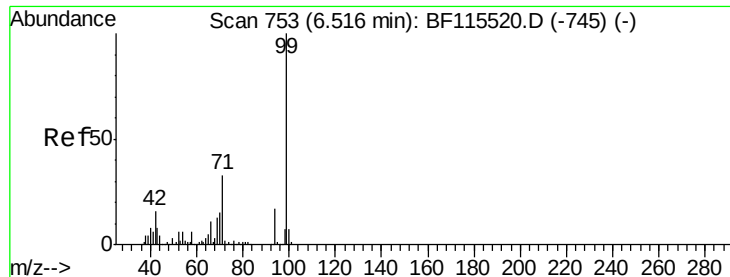


Abundance Ion 93.00 (92.70 to 93.70): BF115520.D (-749) (-)

Ion 66.00 (65.70 to 66.70): BF115520.D (-749) (-)

Ion 65.00 (64.70 to 65.70): BF115520.D (-749) (-)





#7

Phenol-d6

Concen: 109.456 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Tot Ion: 99 Resp: 1443828

Ion Ratio Lower Upper

99 100

42 17.3 13.4 20.2

71 33.9 26.7 40.1

Instrument :

BNA_F

ClientSampled :

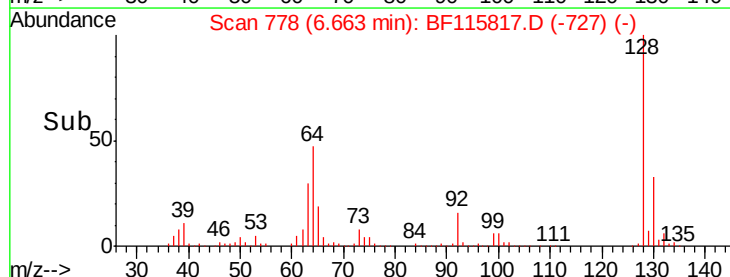
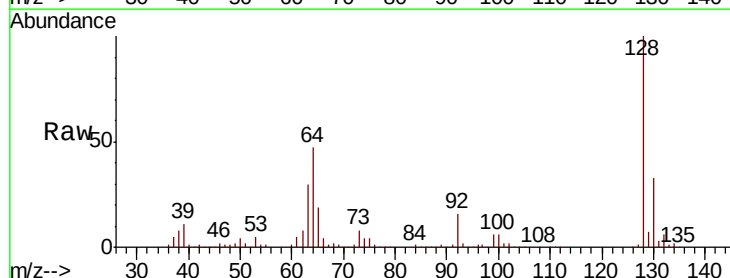
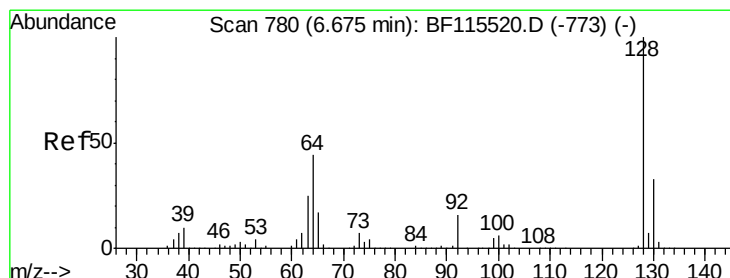
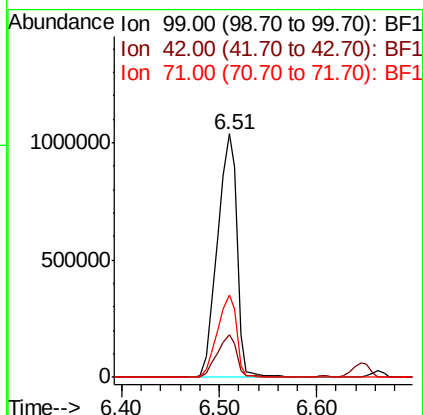
PB121745BS

Manual Integrations

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#8

2-Chlorophenol

Concen: 37.929 ng

RT: 6.66 min Scan# 778

Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

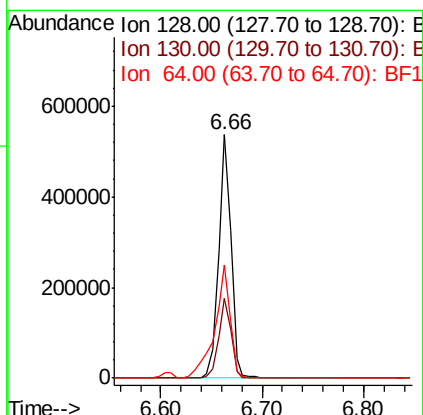
Tgt Ion: 128 Resp: 453332

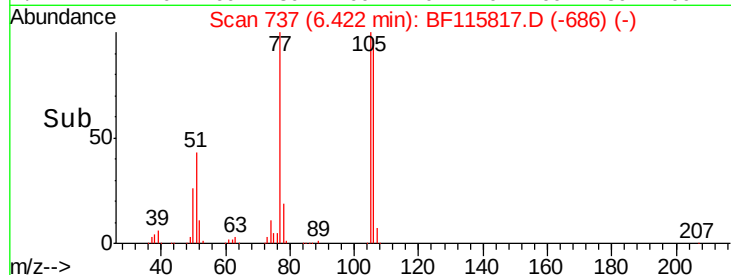
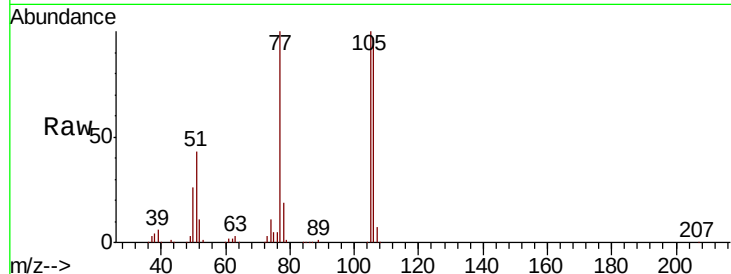
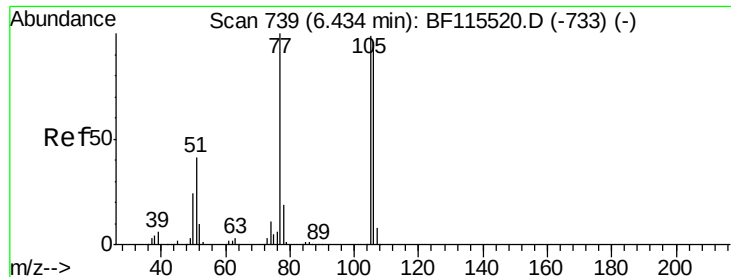
Ion Ratio Lower Upper

128 100

130 32.6 13.8 53.8

64 46.7 22.4 62.4





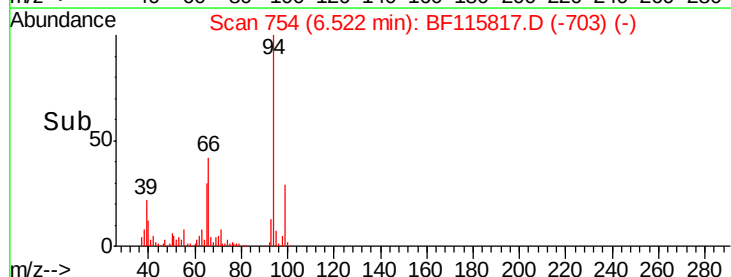
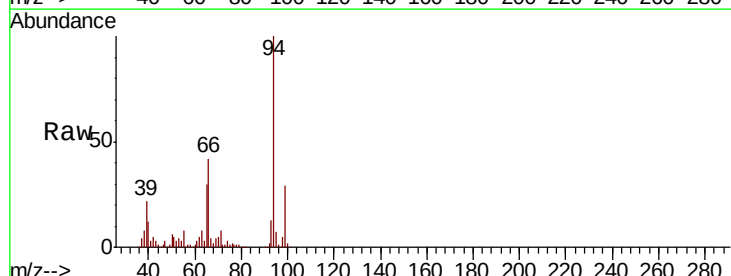
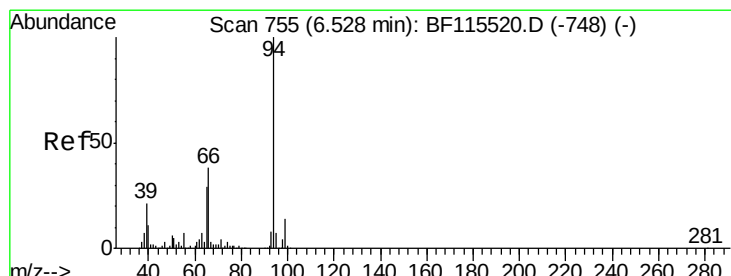
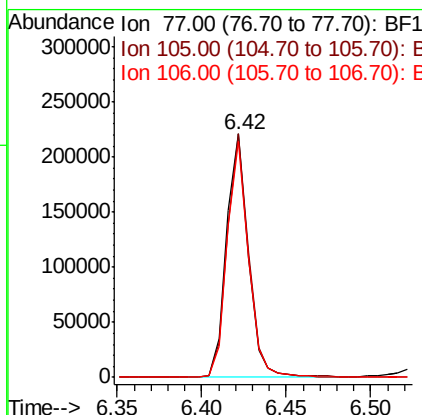
#9
Benzaldehyde
Concen: 24.073 ng
RT: 6.42 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tot Ion	Ratio	Resp	Lower	Upper
77	100	198435		
105	99.8	77.5	117.5	
106	96.8	74.7	114.7	

Instrument :
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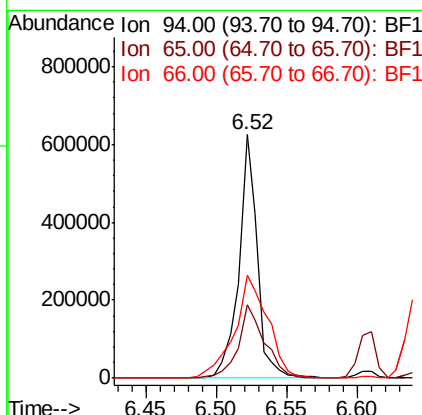
Manual Integrations
APPROVED

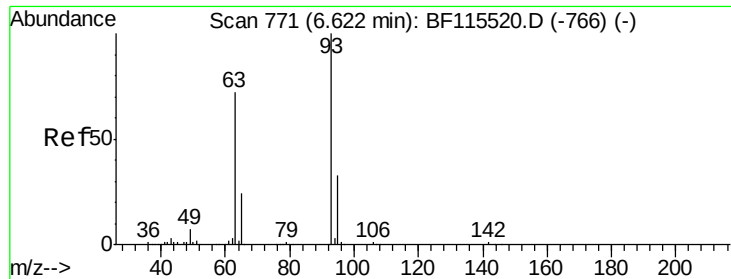
mohammad
7/29/2019 5:29:45 PM



#10
Phenol
Concen: 37.046 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	567287		
65	30.3	11.2	51.2	
66	42.2	24.4	64.4	





#11

bis(2-Chloroethyl)ether

Concen: 37.294 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

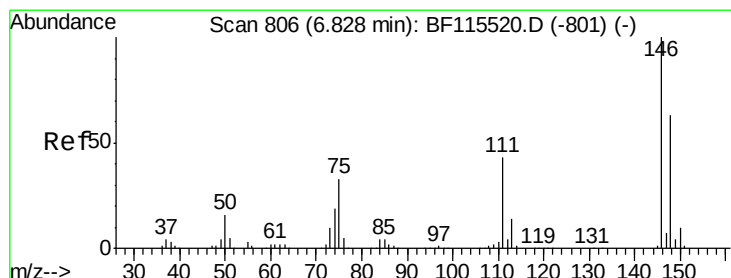
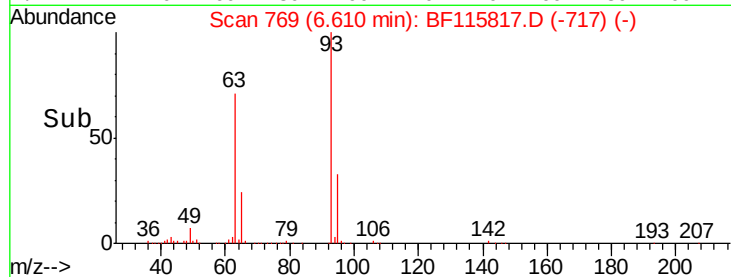
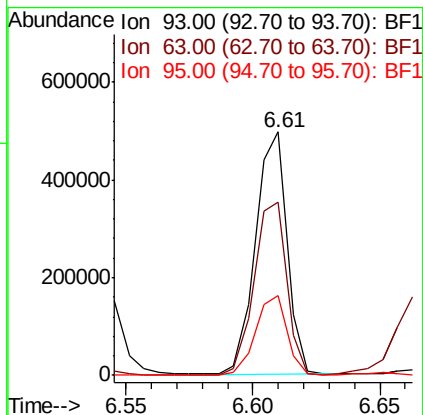
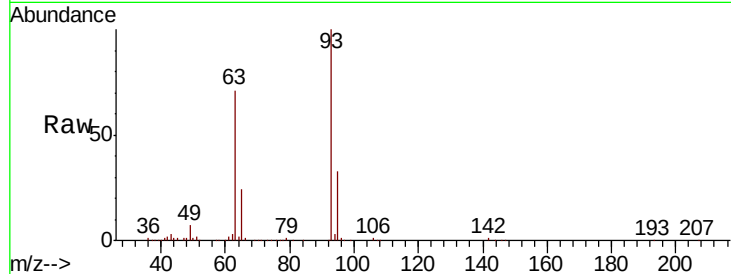
ClientSampleId :

PB121745BS

Tot Ion:	93	Resp:	434789
Ion	Ratio	Lower	Upper
93	100		
63	71.4	56.2	96.2
95	32.6	12.1	52.1

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7/29/2019 5:29:45 PM



#12

1,3-Dichlorobenzene

Concen: 35.245 ng

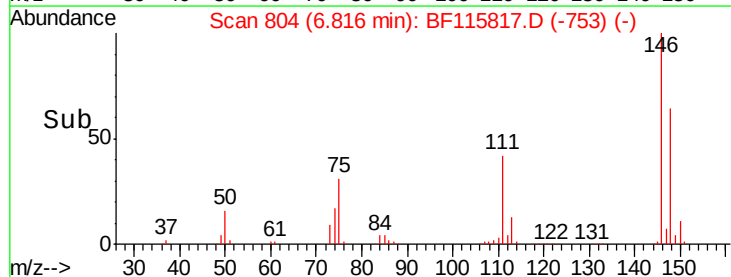
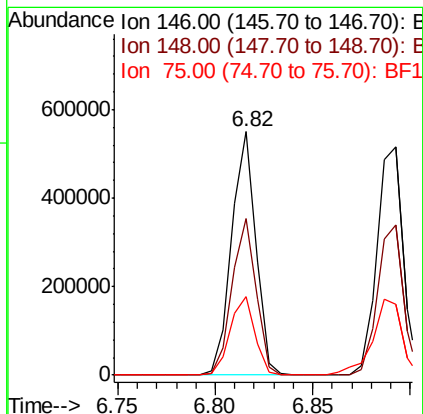
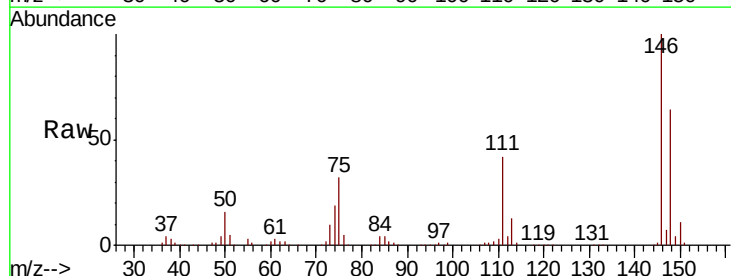
RT: 6.82 min Scan# 804

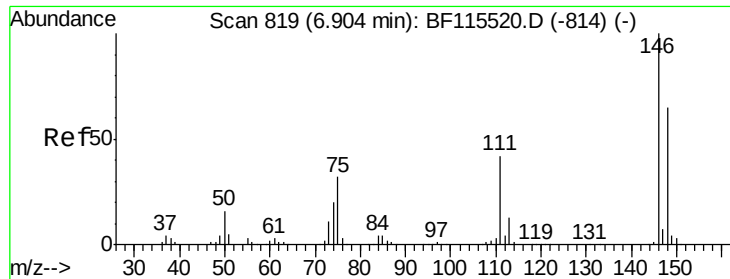
Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Tgt Ion:	146	Resp:	473628
Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.9	77.9
75	32.0	25.3	37.9





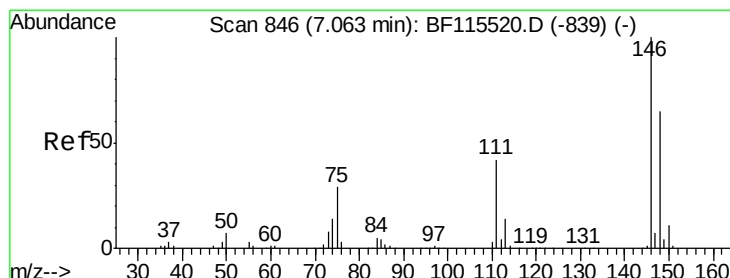
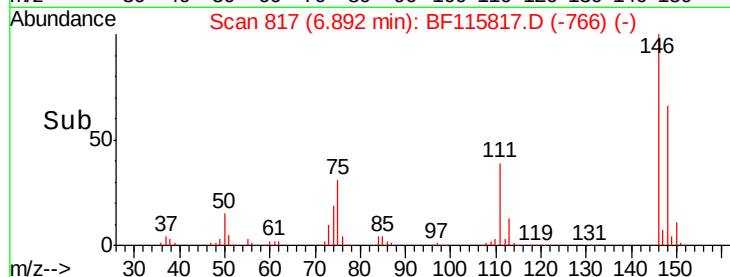
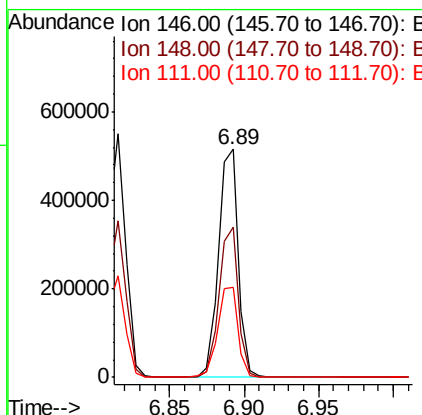
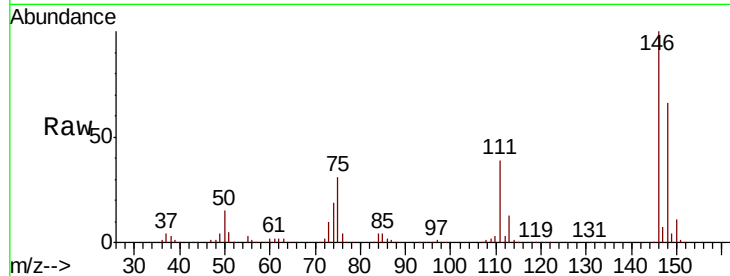
#13
 1,4-Dichlorobenzene
 Concen: 35.878 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BF115817.D
 Acq: 27 Jul 2019 9:06

Instrument :
 BNA_F
 ClientSampleId :
 PB121745BS

Tot Ion	Ion	Ratio	Lower	Upper
481047	146	100		
	148	65.7	52.7	79.1
	111	39.3	32.2	48.4

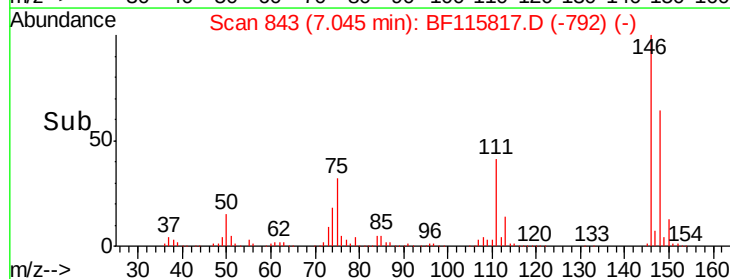
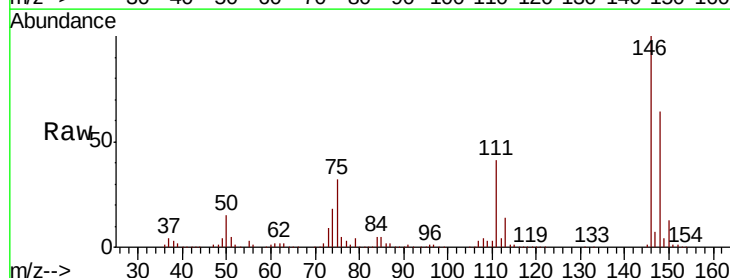
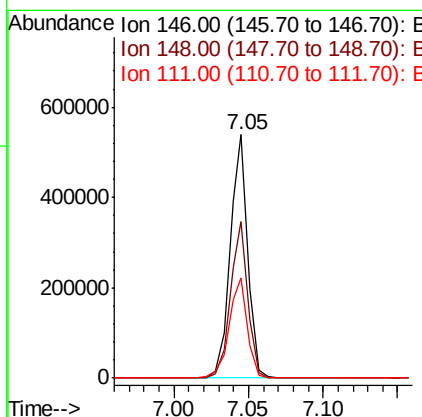
Manual Integrations
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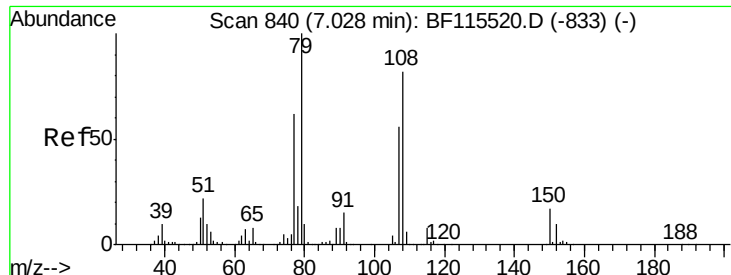
mohammad
 7/29/2019 5:29:45 PM



#14
 1,2-Dichlorobenzene
 Concen: 36.447 ng
 RT: 7.05 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BF115817.D
 Acq: 27 Jul 2019 9:06

Tgt Ion	Ion	Ratio	Lower	Upper
446714	146	100		
	148	64.4	51.8	77.8
	111	41.3	34.6	51.8





#15

Benzyl Alcohol

Concen: 37.199 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

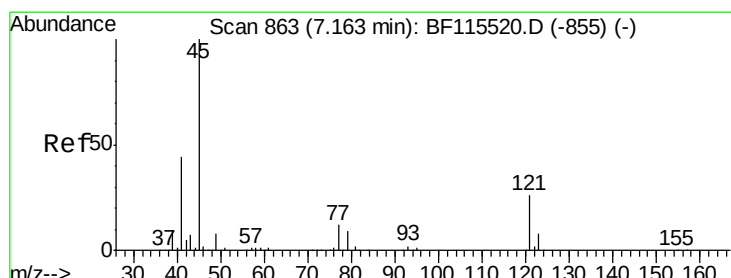
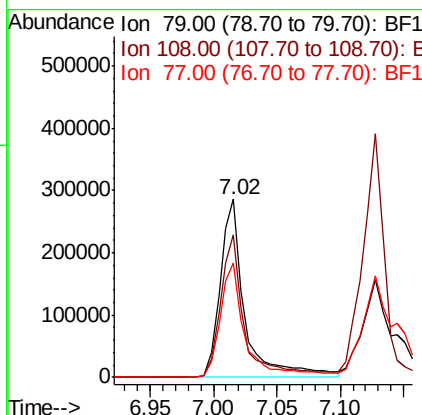
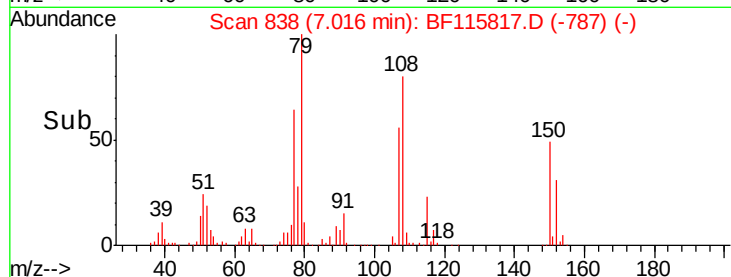
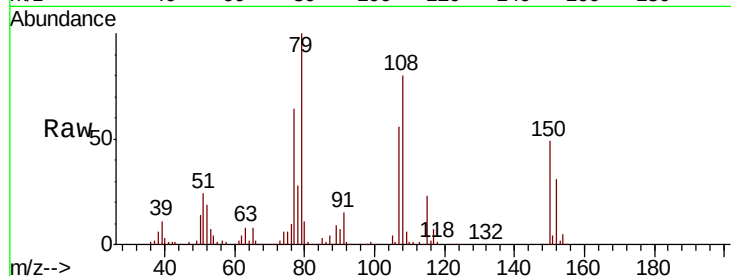
ClientSampleId :

PB121745BS

Tot Ion:	79	Resp:	389255
Ion Ratio	Lower	Upper	
79	100		
108	79.7	65.4	98.2
77	64.3	52.7	79.1

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 38.582 ng

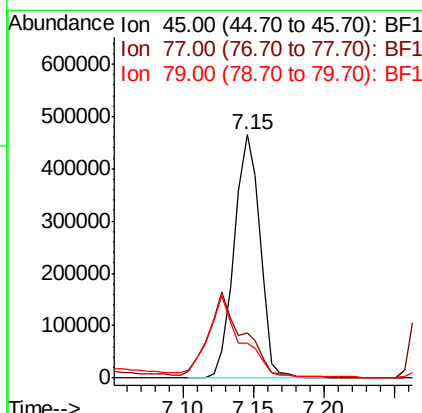
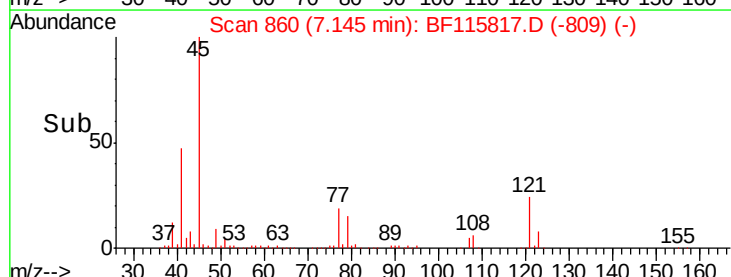
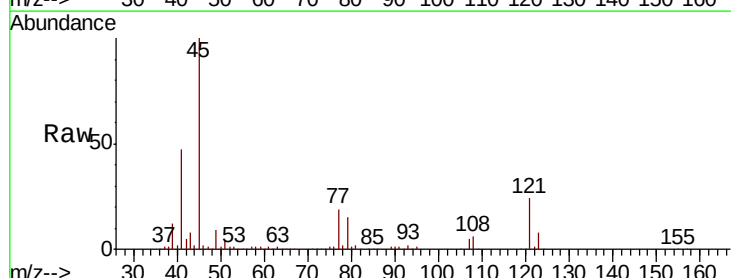
RT: 7.15 min Scan# 860

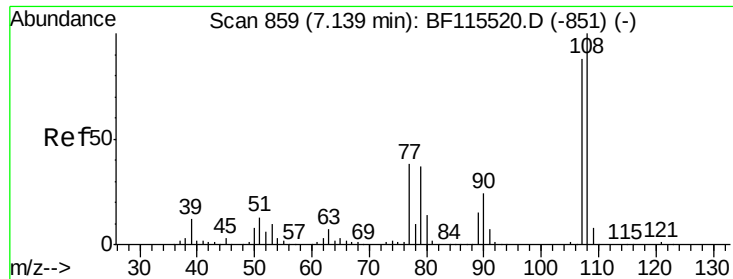
Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Tgt Ion:	45	Resp:	592193
Ion Ratio	Lower	Upper	
45	100		
77	18.6	0.0	36.8
79	14.6	0.0	33.1





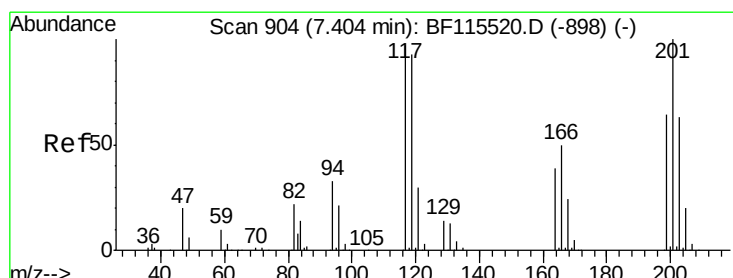
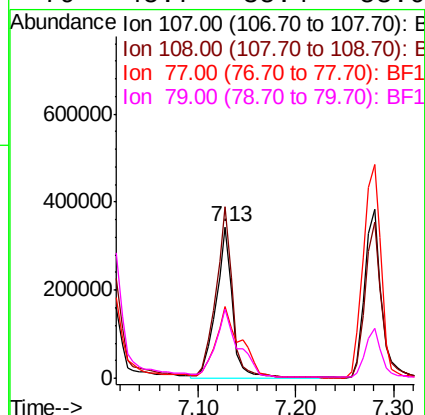
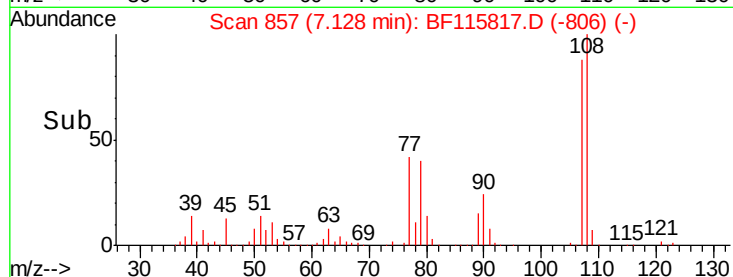
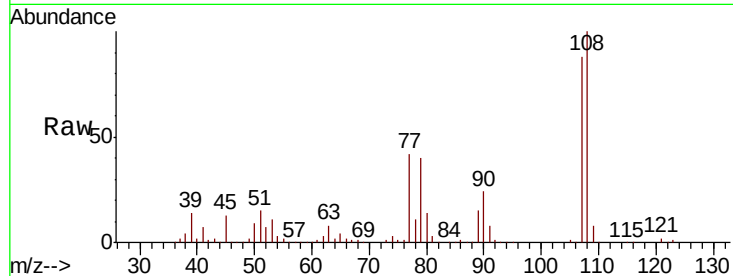
#17
2-Methylphenol
Concen: 39.241 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.6	91.3	136.9	
77	47.6	36.9	55.3	
79	45.7	35.4	53.0	

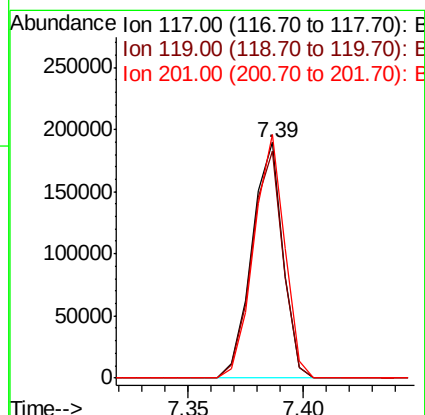
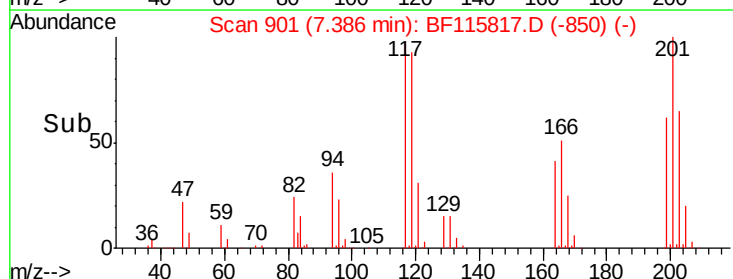
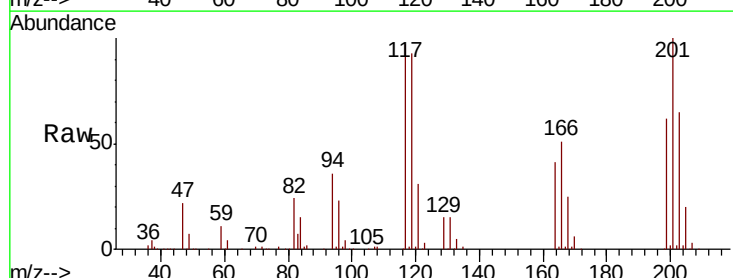
Manual Integrations
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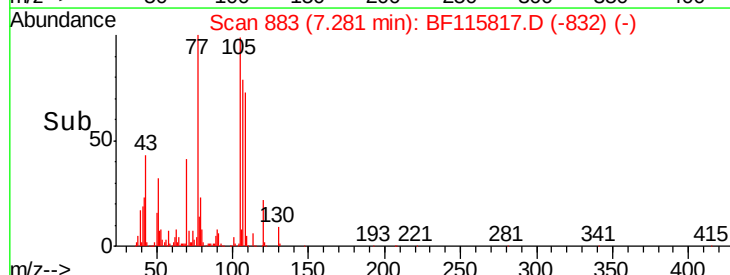
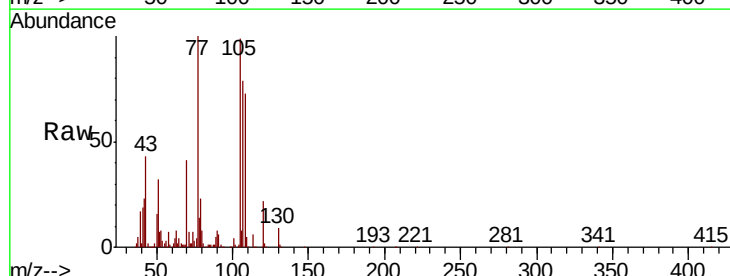
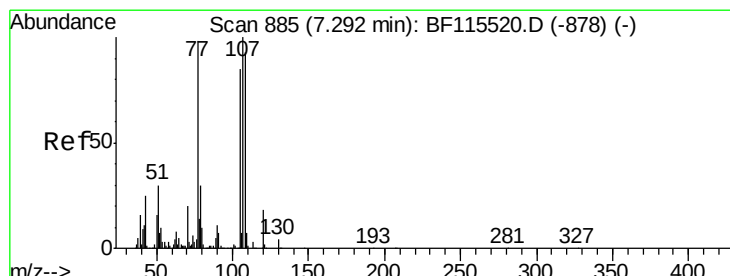
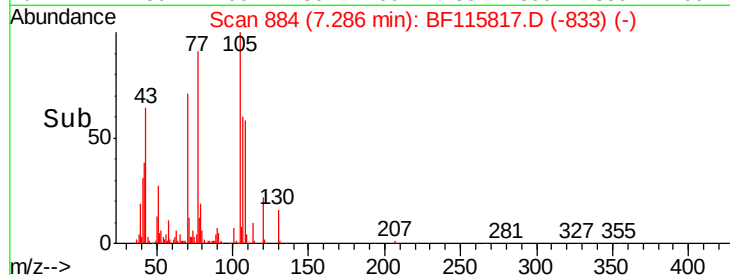
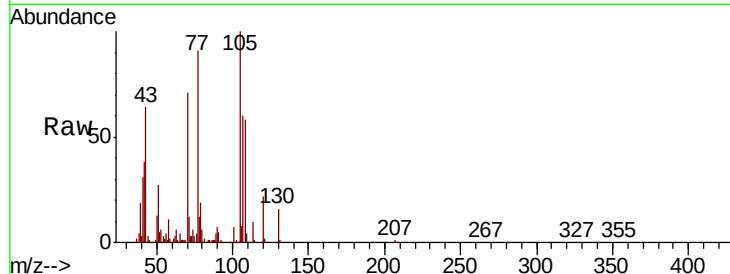
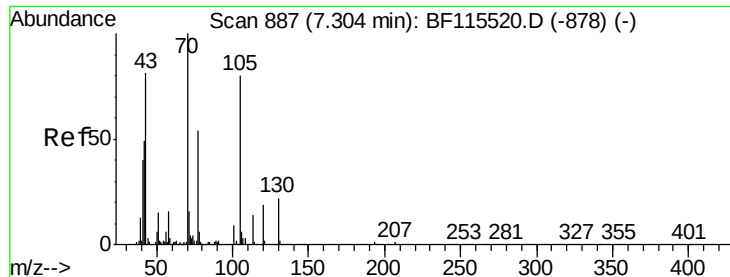
mohammad
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#18
Hexachloroethane
Concen: 35.832 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.3	74.8	112.2	
201	103.4	77.6	116.4	





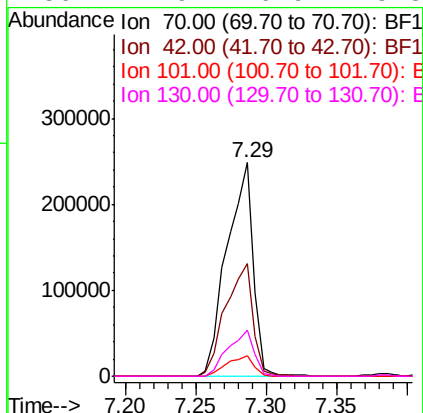
#19
n-Nitroso-di-n-propylamine
Concen: 37.432 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	52.8	41.8	62.8		
101	9.9	7.6	11.4		
130	21.9	16.9	25.3		

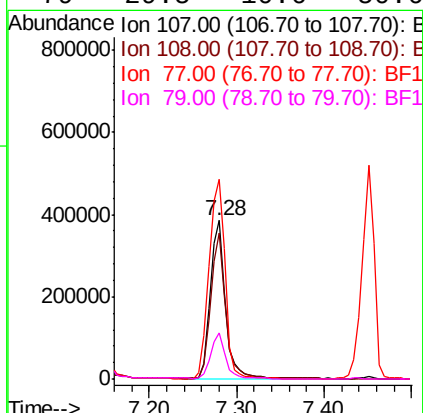
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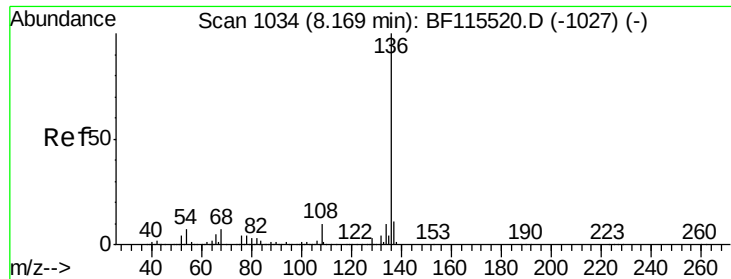
mohammad
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#20
3+4-Methylphenols
Concen: 37.932 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	92.0	73.0	113.0		
77	126.0	107.5	147.5		
79	29.5	10.6	50.6		





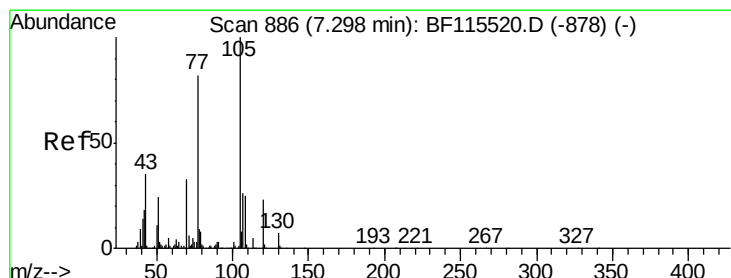
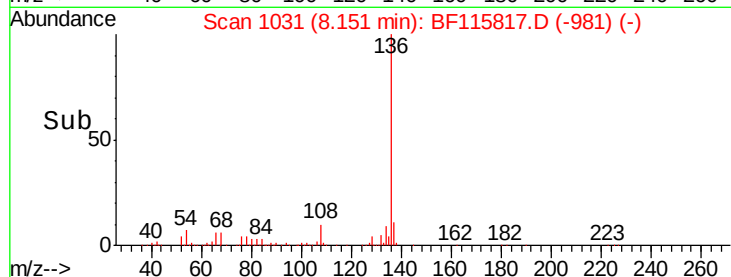
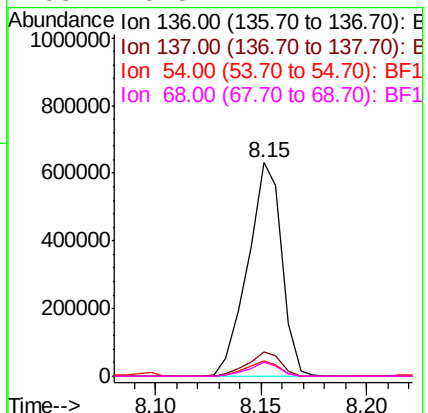
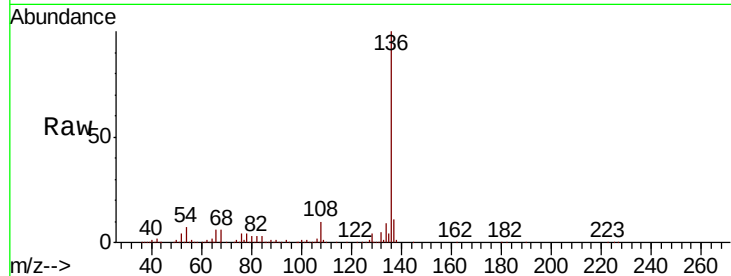
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		706456		
137	11.4	8.7	13.1		
54	7.4	5.0	7.6		
68	6.5	4.7	7.1		

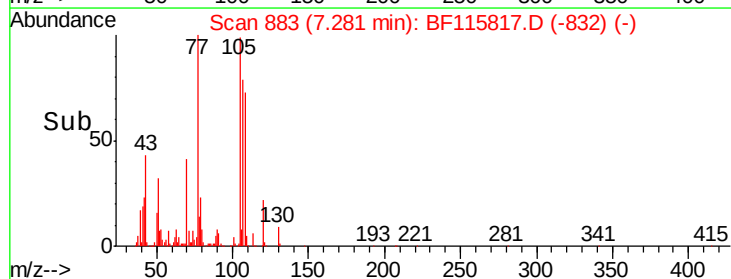
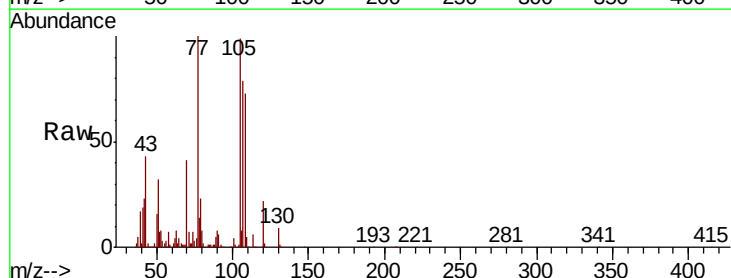
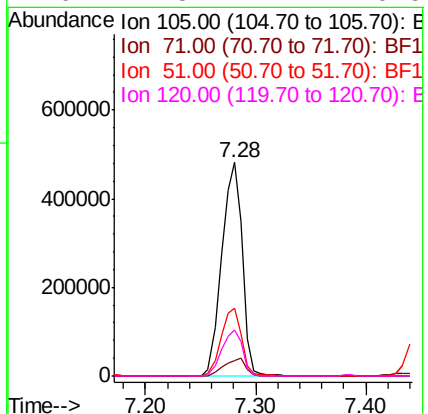
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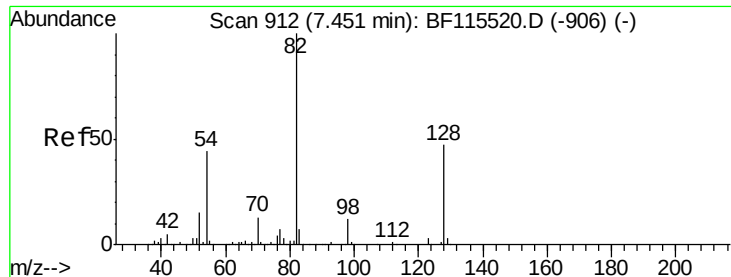
mohammad
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#22
Acetophenone
Concen: 39.043 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		623122		
71	7.2	4.7	7.1#		
51	31.8	25.6	38.4		
120	21.8	17.7	26.5		





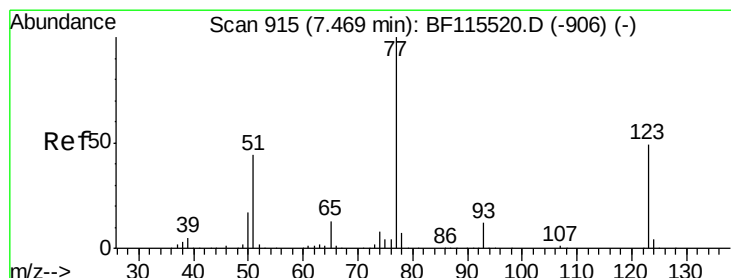
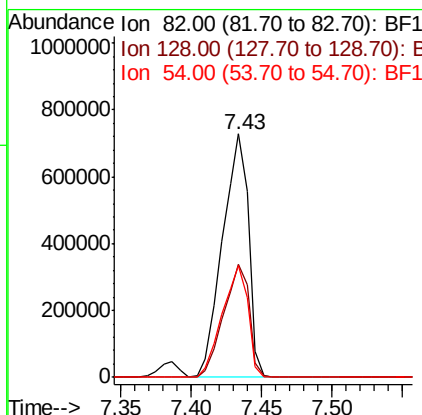
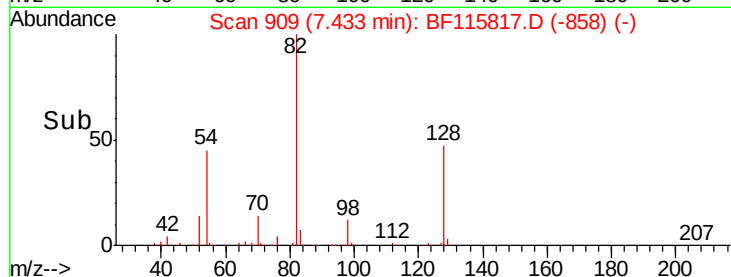
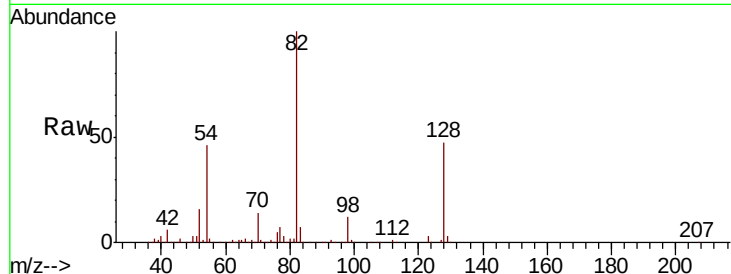
#23
Nitrobenzene-d5
Concen: 76.470 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.6	55.0
54	45.9	36.6	54.8

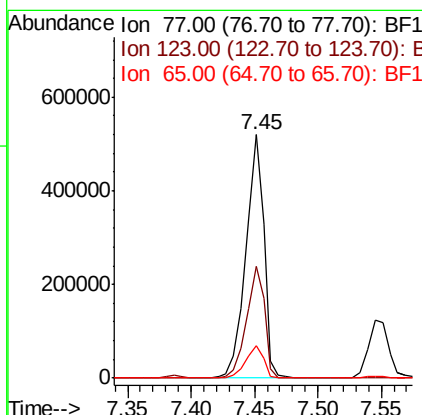
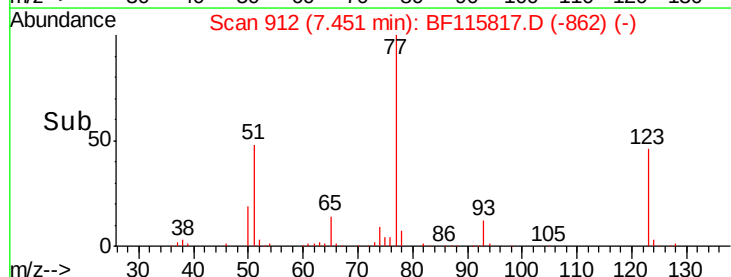
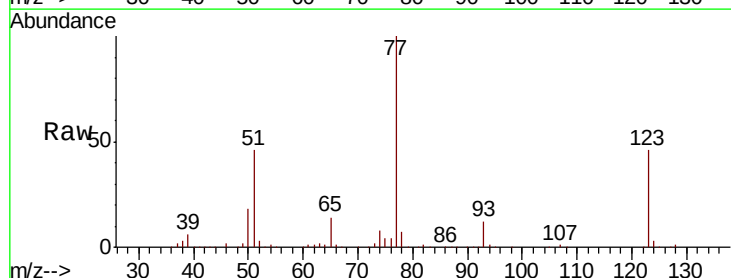
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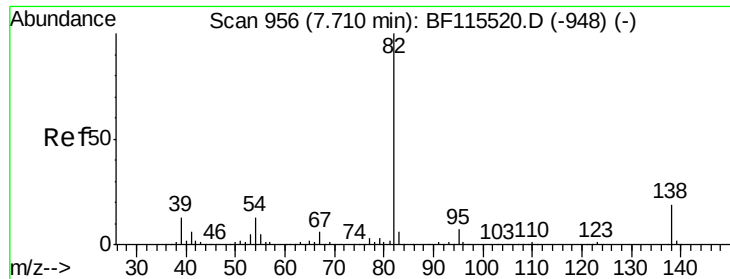
mohammad
7/29/2019 5:29:45 PM



#24
Nitrobenzene
Concen: 38.773 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.1	39.9	59.9
65	13.6	10.5	15.7





#25

Isophorone

Concen: 39.236 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

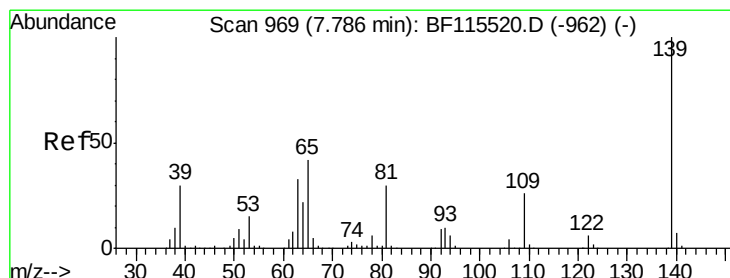
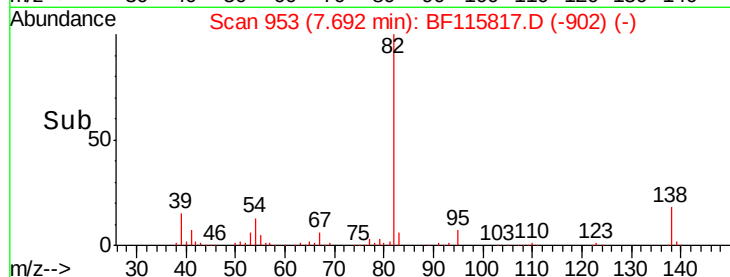
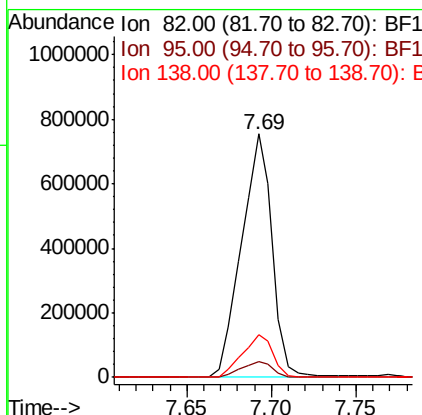
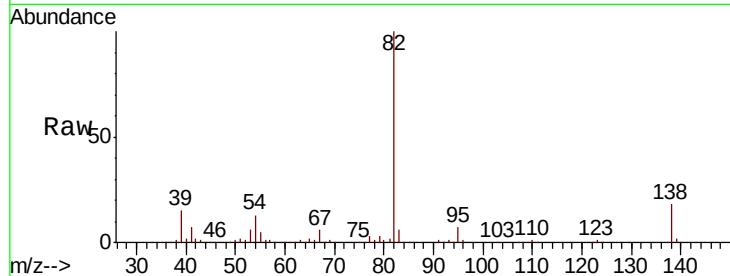
ClientSampleId :

PB121745BS

Tot Ion:	82	Resp:	953880
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.6	8.4
138	17.6	14.2	21.4

Manual Integrations
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mohammad
7/29/2019 5:29:45 PM



#26

2-Nitrophenol

Concen: 38.281 ng

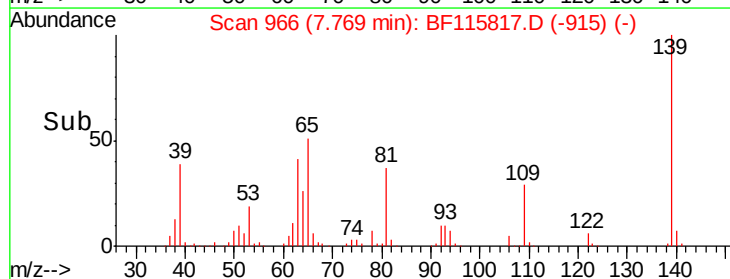
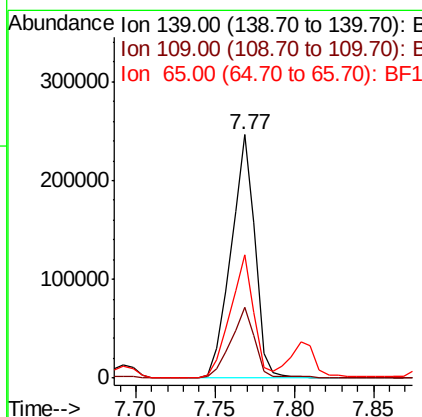
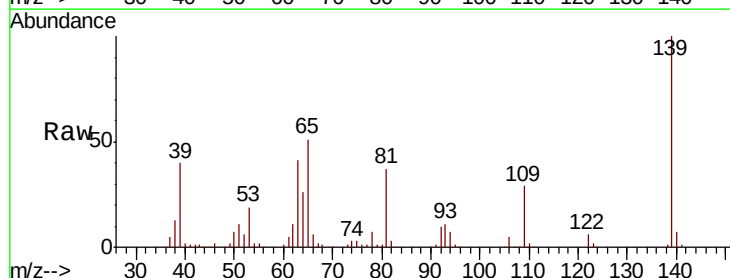
RT: 7.77 min Scan# 966

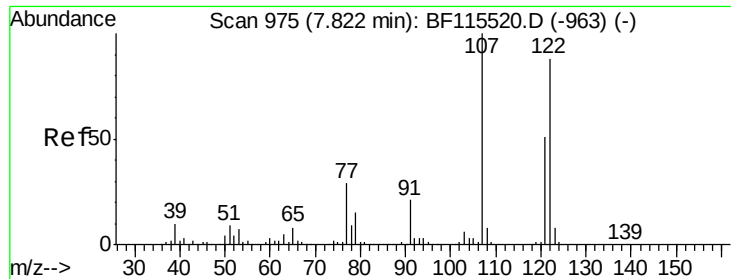
Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Tgt Ion:	139	Resp:	258204
Ion Ratio	Lower	Upper	
139	100		
109	29.3	23.2	34.8
65	50.8	40.5	60.7





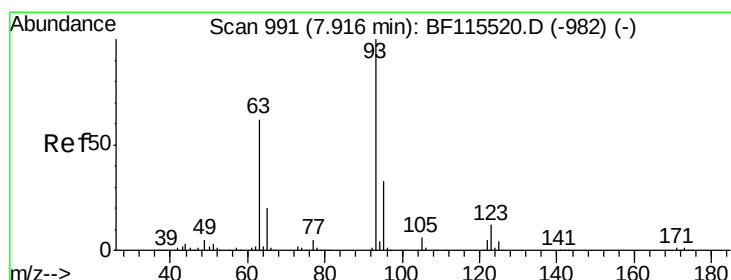
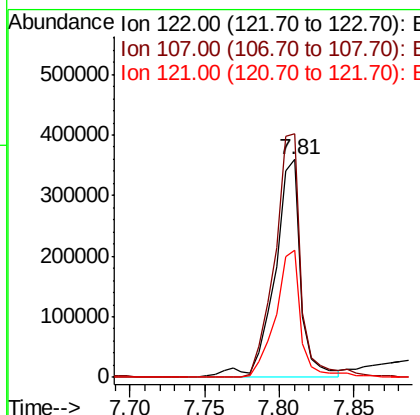
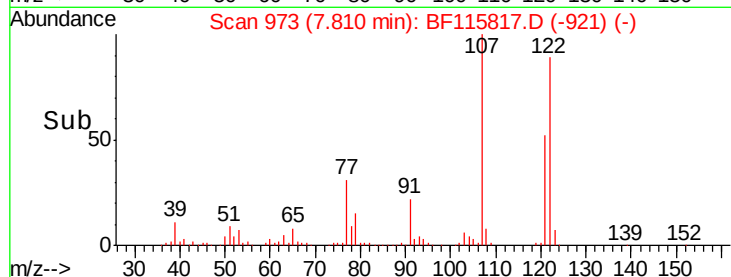
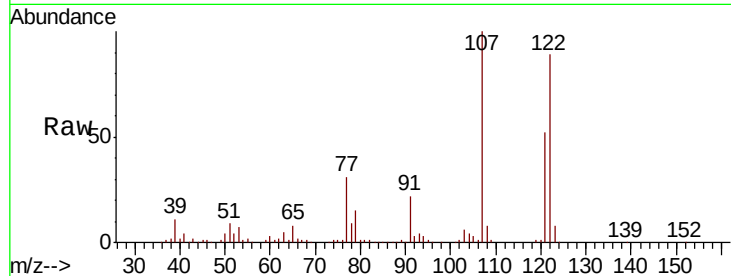
#27
2,4-Dimethylphenol
Concen: 43.595 ng
RT: 7.81 min Scan# 973
Delta R.T. 0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampled :
PB121745BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.0	92.6	138.8
121	58.7	46.2	69.4

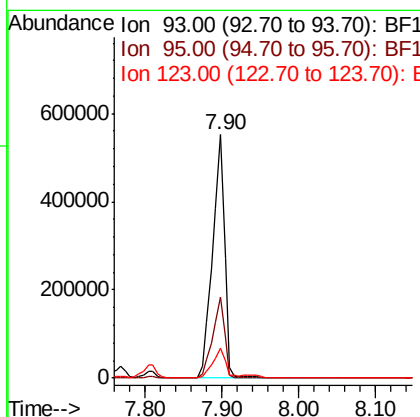
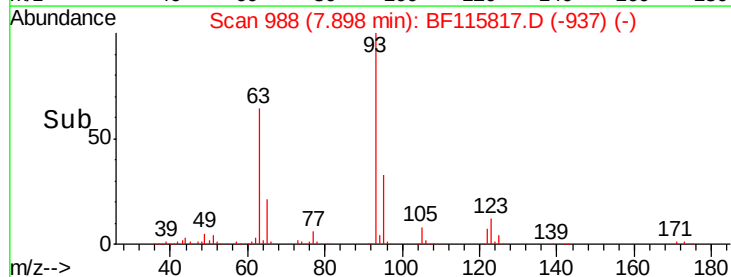
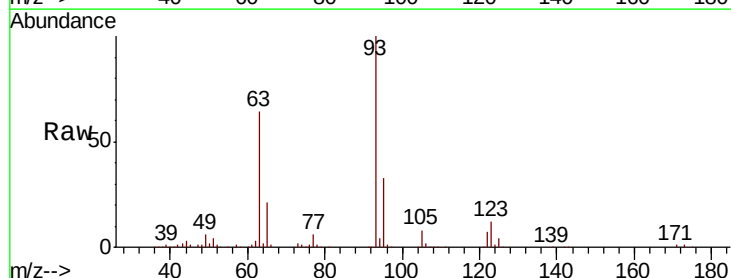
Manual Integrations
APPROVED

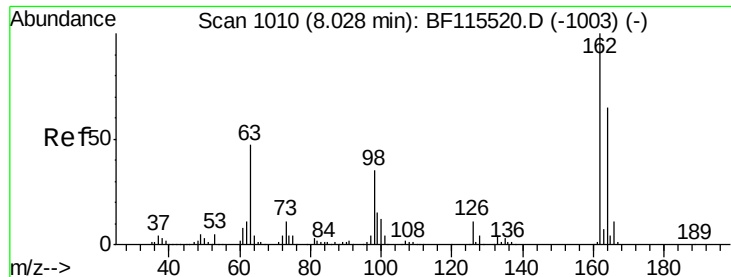
mohammad
7/29/2019 5:29:45 PM



#28
bis(2-Chloroethoxy)methane
Concen: 39.395 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.2	39.4
123	12.1	9.3	13.9





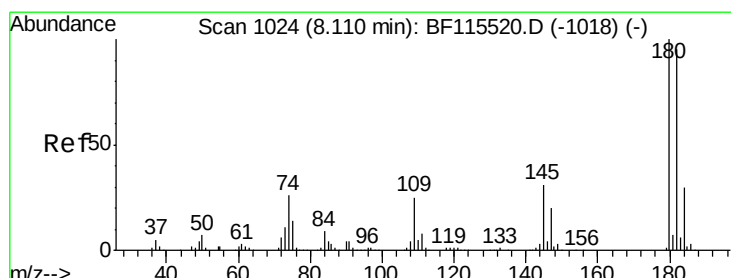
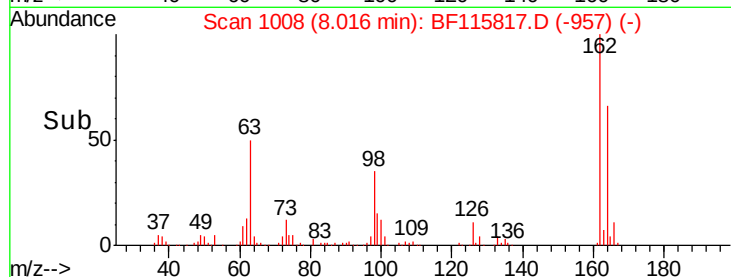
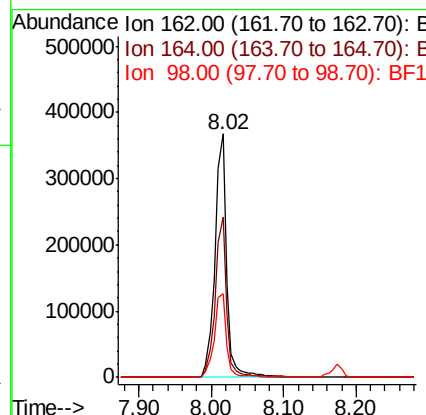
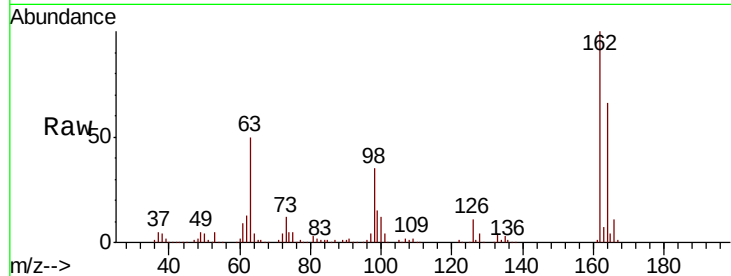
#29
2,4-Dichlorophenol
Concen: 39.170 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	411119		
164	65.7	44.1	84.1	
98	34.5	12.9	52.9	

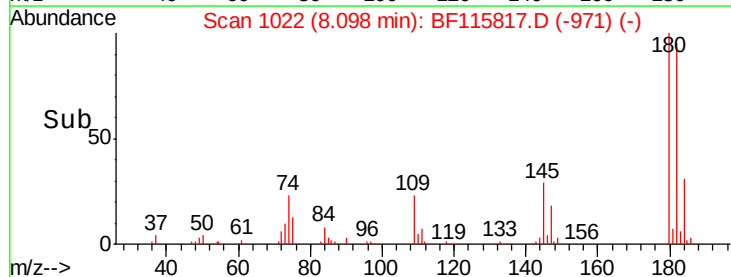
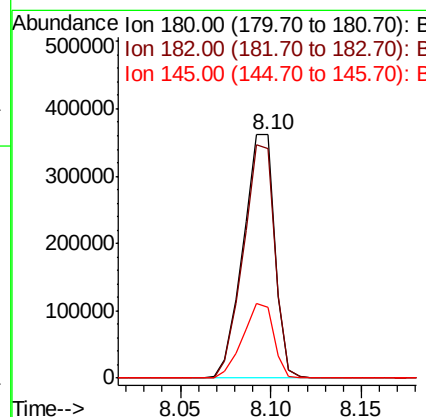
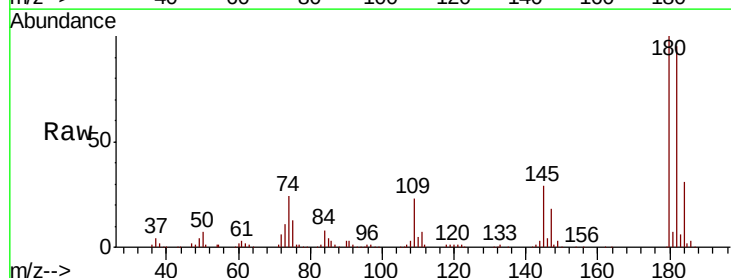
Manual Integrations
APPROVED

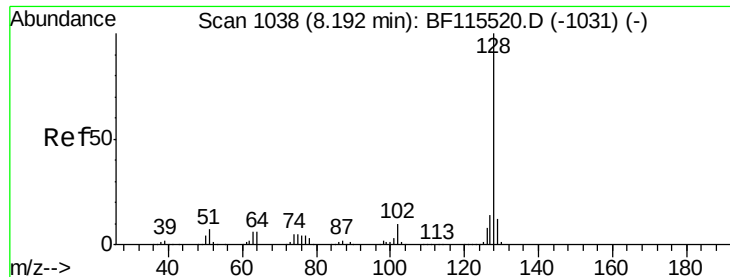
mohammad
7/29/2019 5:29:45 PM



#30
1,2,4-Trichlorobenzene
Concen: 36.854 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	437241		
182	94.5	76.7	115.1	
145	29.2	23.6	35.4	





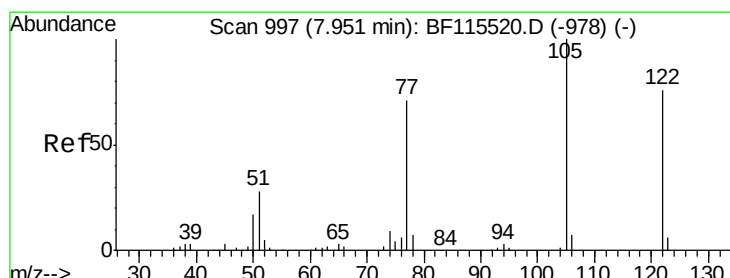
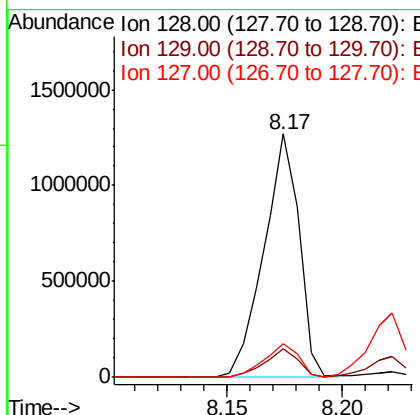
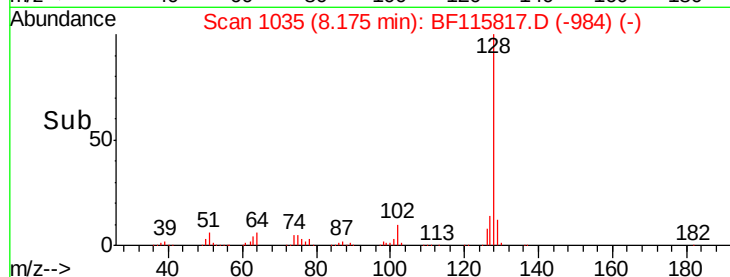
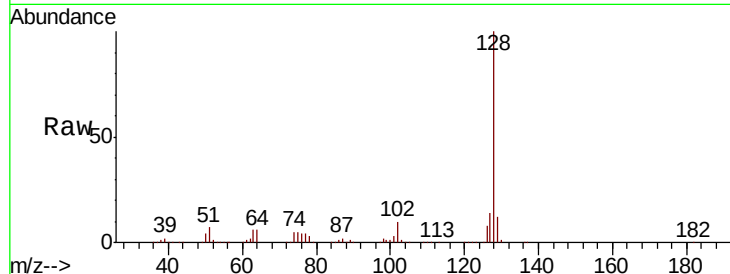
#31
Naphthalene
Concen: 39.319 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.4	14.2
127	13.8	10.9	16.3

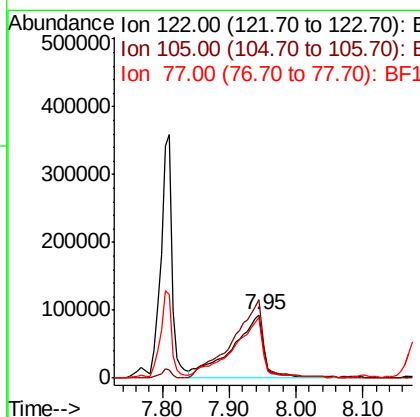
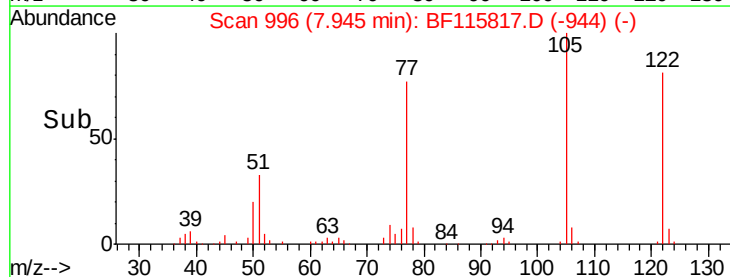
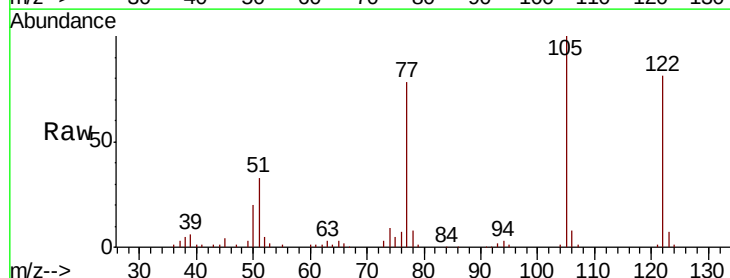
Manual Integrations
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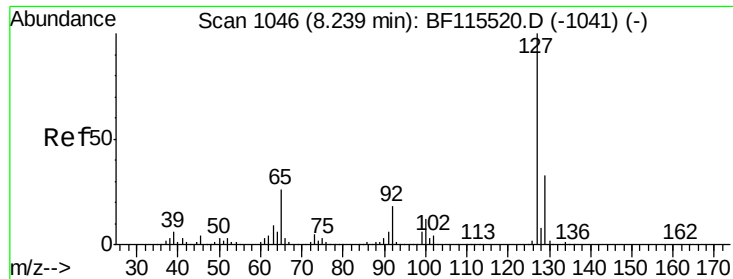
mohammad
7/29/2019 5:29:45 PM



#32
Benzoic acid
Concen: 36.963 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.0	102.0	142.0
77	95.6	73.6	113.6





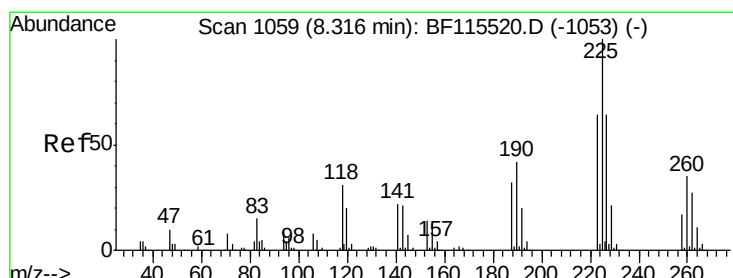
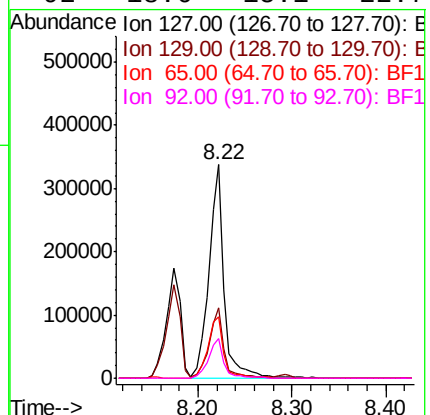
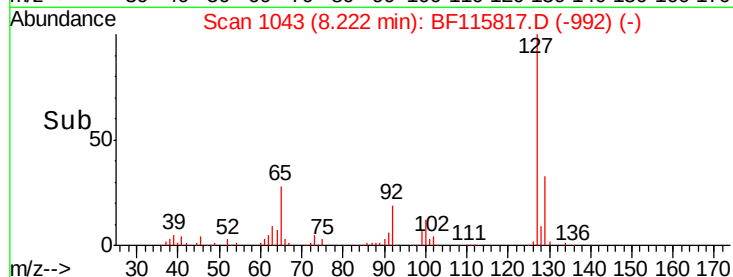
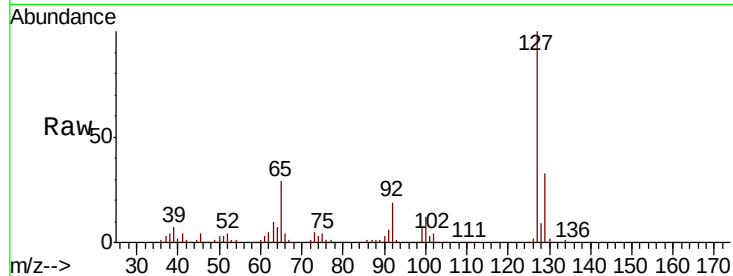
#33
4-Chloroaniline
Concen: 25.190 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.0	26.3	39.5		
65	29.1	23.8	35.8		
92	18.6	15.1	22.7		

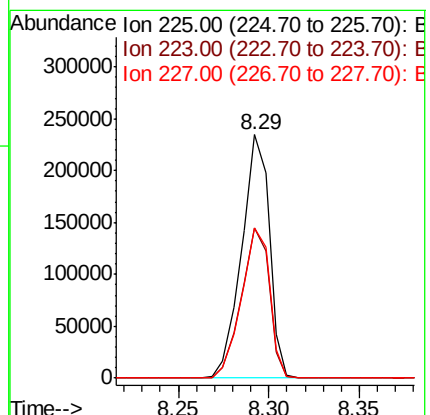
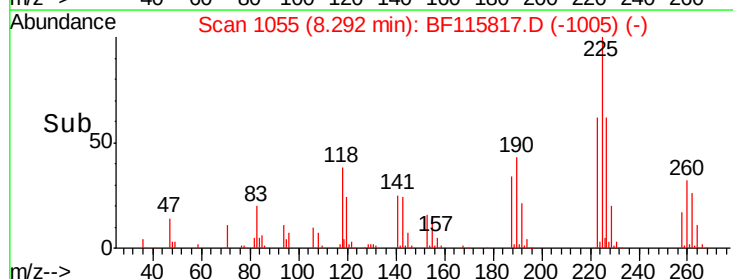
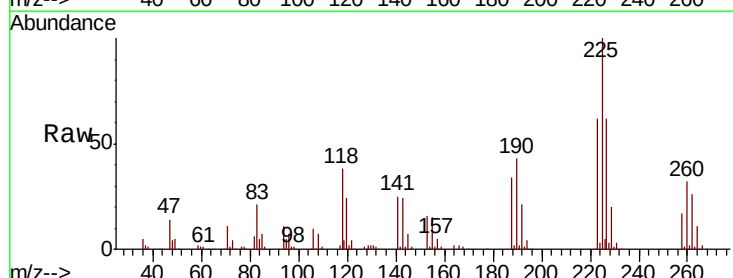
Manual Integrations
APPROVED

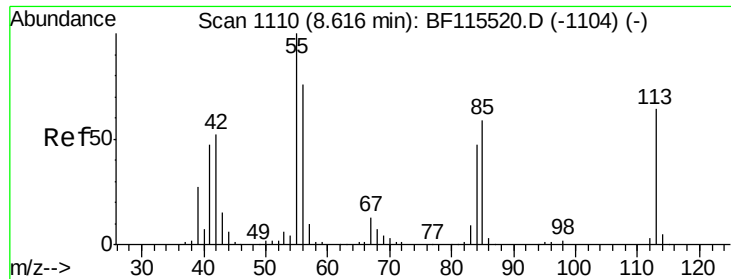
mohammad
7/29/2019 5:29:45 PM



#34
Hexachlorobutadiene
Concen: 36.691 ng
RT: 8.29 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.9	51.0	76.6		
227	61.8	52.8	79.2		





#35

Caprolactam

Concen: 37.520 ng/mL

RT: 8.60 min Scan# 1107

Delta R.T. -0.01 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

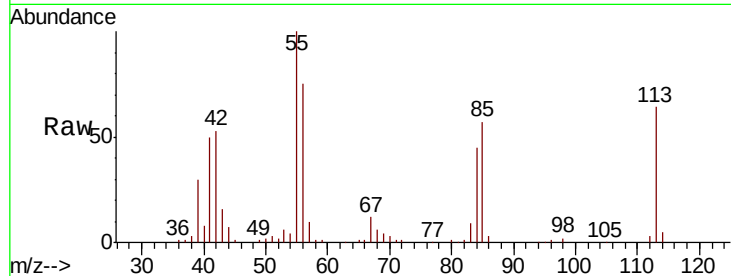
ClientSampleId :

PB121745BS

Tot Ion:	113	Resp:	121692
Ion Ratio	Lower	Upper	
113	100		
55	156.9	130.5	170.5
56	117.4	93.1	133.1

Manual Integrations
APPROVED

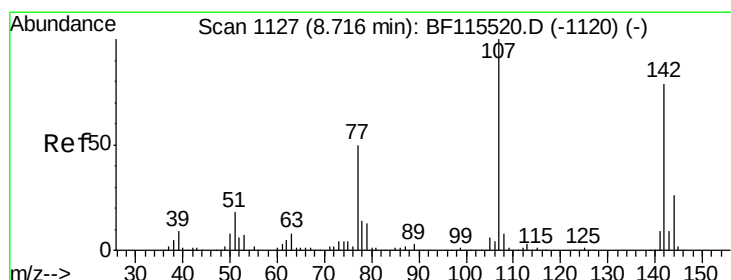
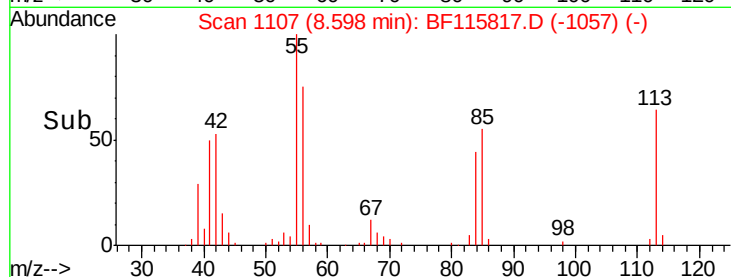
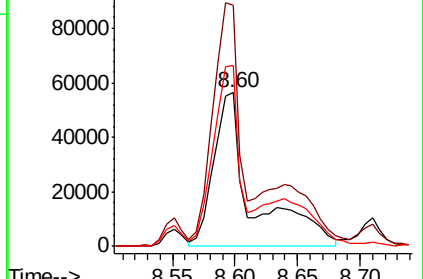
mohammad
7/29/2019 5:29:45 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 39.888 ng/mL

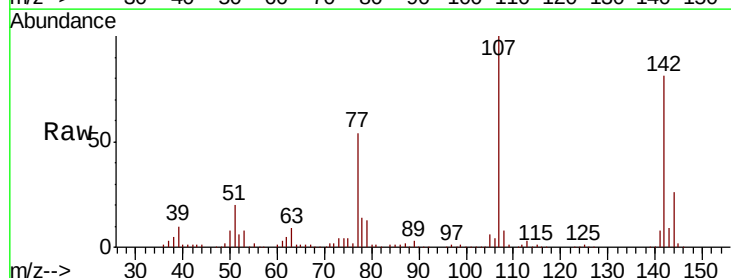
RT: 8.71 min Scan# 1126

Delta R.T. 0.01 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

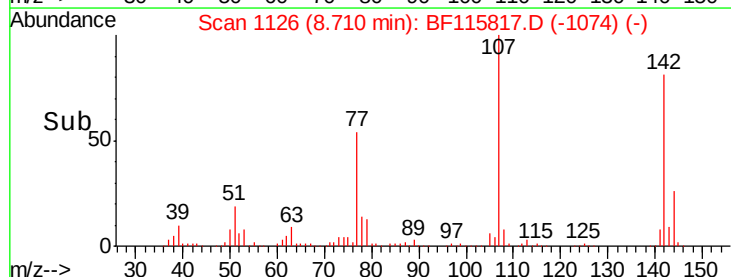
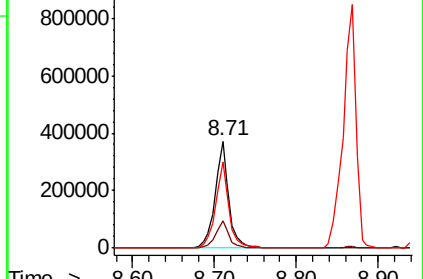
Tgt Ion:	107	Resp:	434279
Ion Ratio	Lower	Upper	
107	100		
144	26.0	20.1	30.1
142	80.8	62.3	93.5

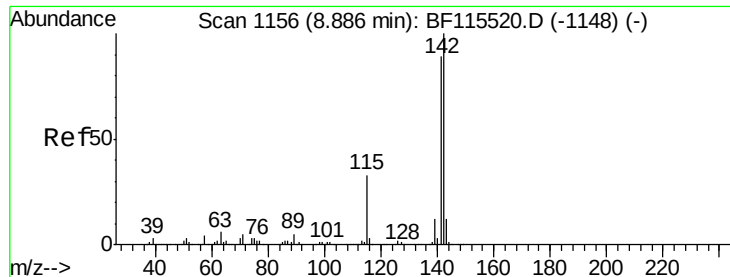


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





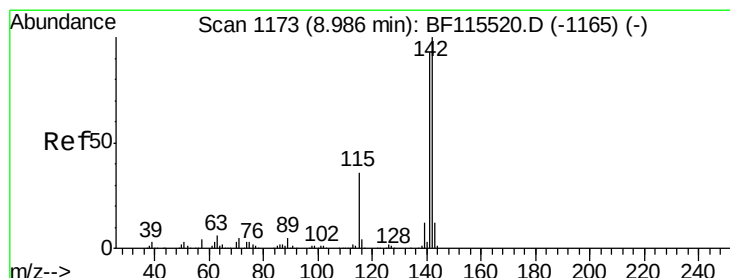
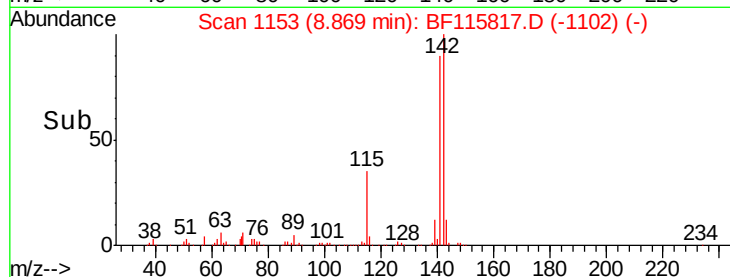
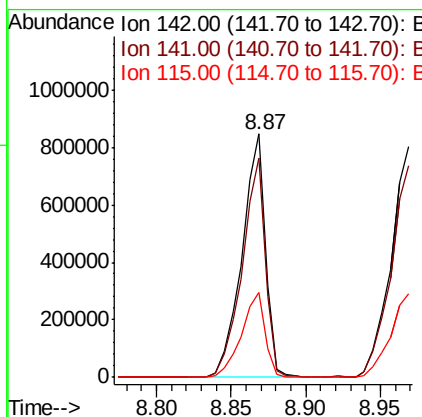
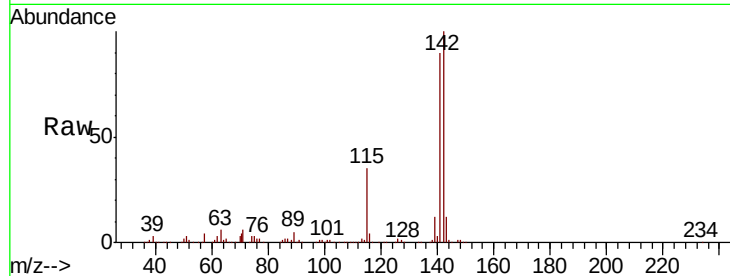
#37
2-Methylnaphthalene
Concen: 40.705 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.0	106.4
115	35.1	27.7	41.5

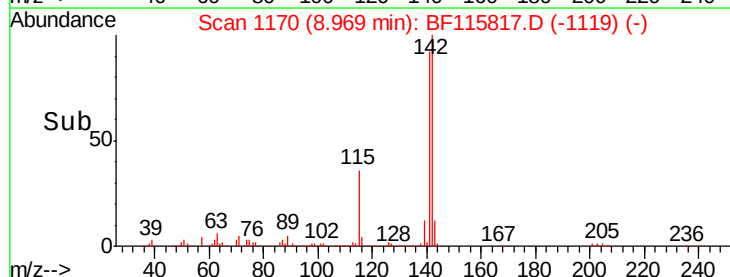
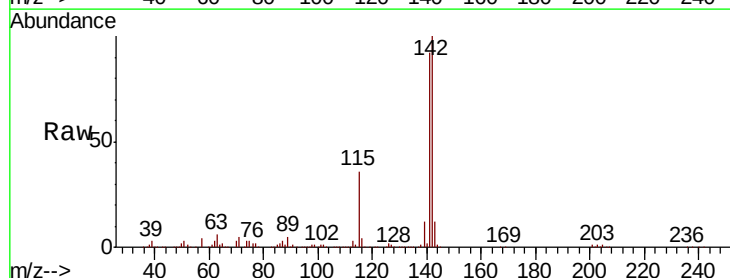
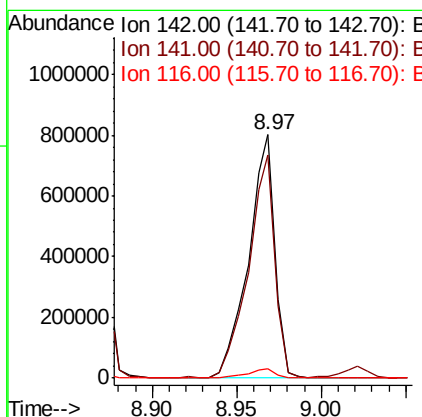
Manual Integrations
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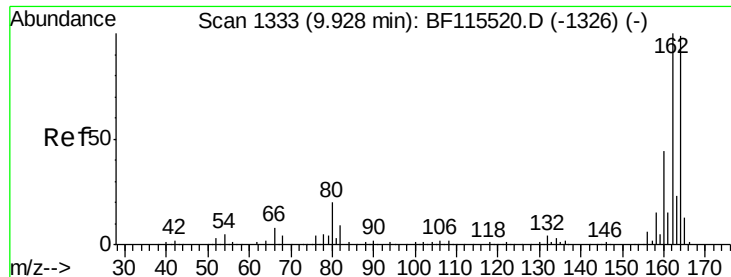
mohammad
7/29/2019 5:29:45 PM



#38
1-Methylnaphthalene
Concen: 40.409 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.9	110.9
116	3.7	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

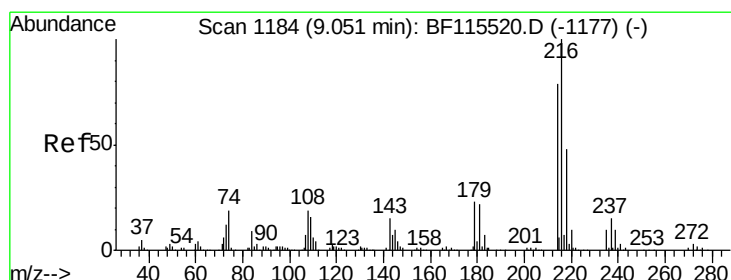
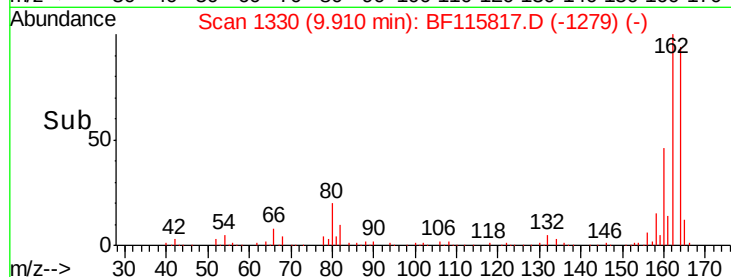
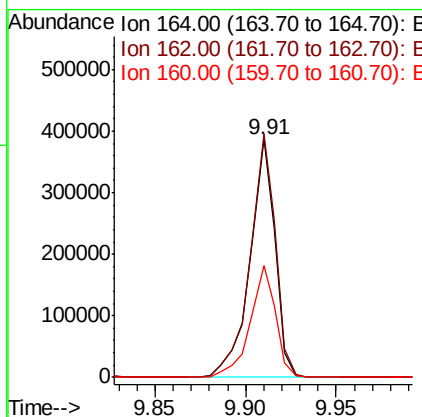
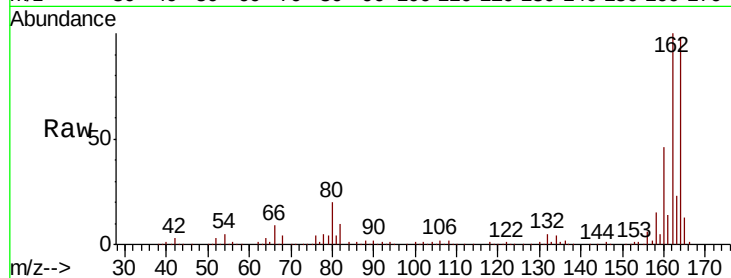
ClientSampleId :

PB121745BS

Tot Ion:	164	Resp:	370731
Ion Ratio	Lower	Upper	
164	100		
162	102.2	81.8	122.6
160	47.0	37.5	56.3

Manual Integrations
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7/29/2019 5:29:45 PM



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.533 ng

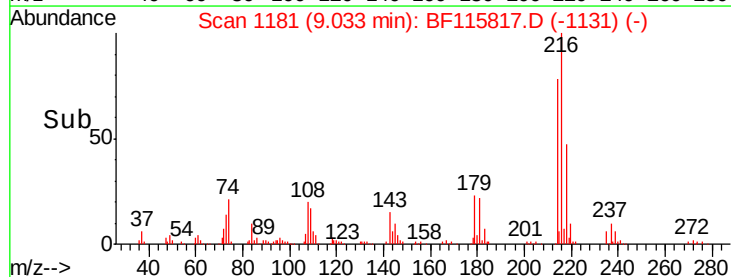
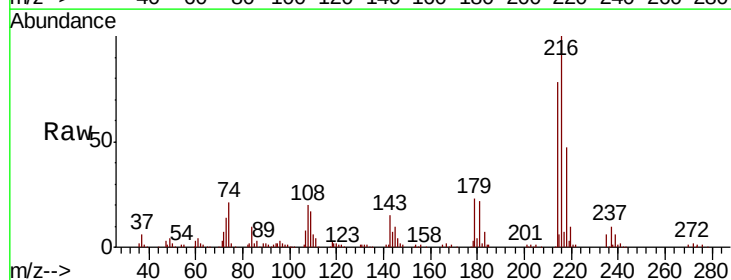
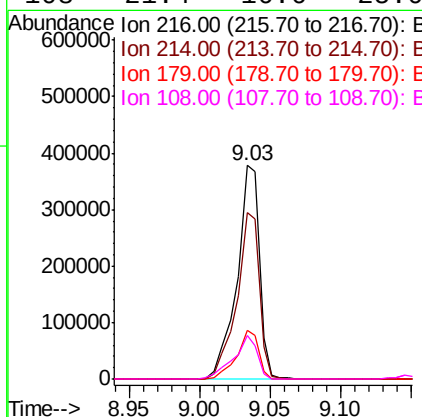
RT: 9.03 min Scan# 1181

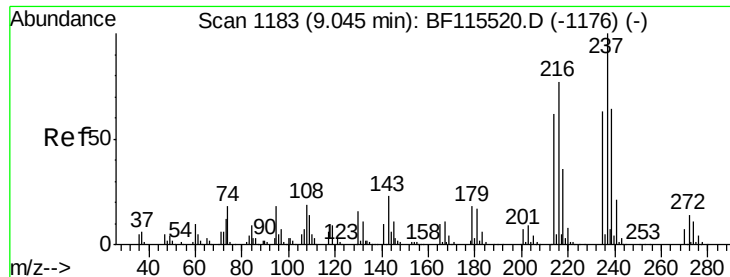
Delta R.T. -0.01 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Tgt Ion:	216	Resp:	419017
Ion Ratio	Lower	Upper	
216	100		
214	78.3	63.0	94.6
179	22.0	17.4	26.2
108	21.4	16.6	25.0





#41

Hexachlorocyclopentadiene

Concen: 47.957 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

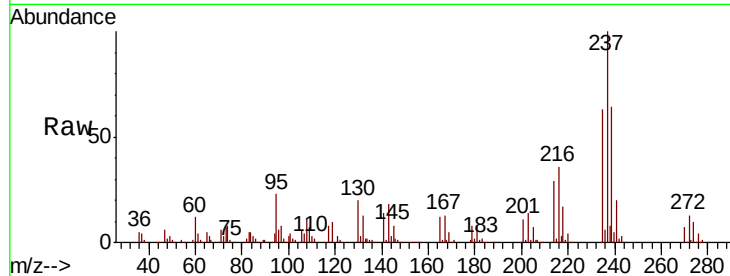
ClientSampleId :

PB121745BS

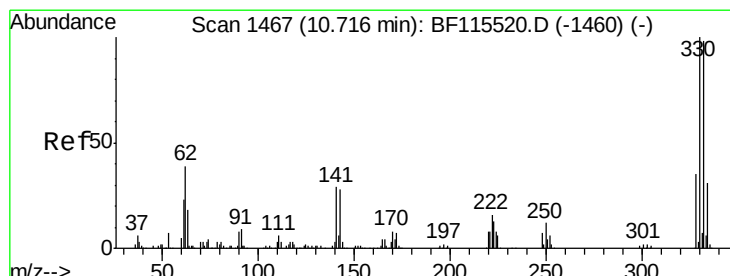
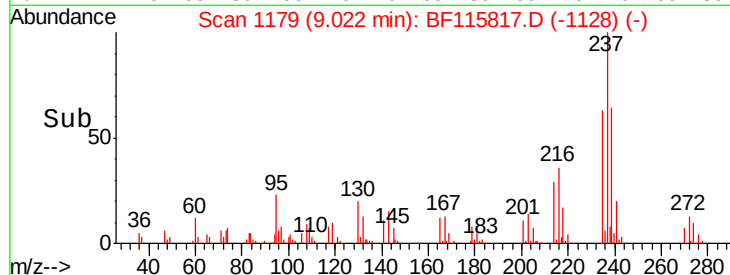
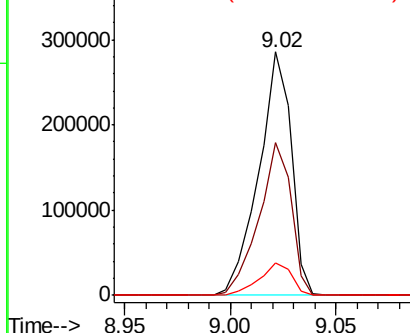
Tot Ion:	237	Resp:	305409
Ion Ratio	Lower	Upper	
237	100		
235	62.8	44.3	84.3
272	13.2	0.0	33.0

Manual Integrations
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7/29/2019 5:29:45 PM



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 101.467 ng

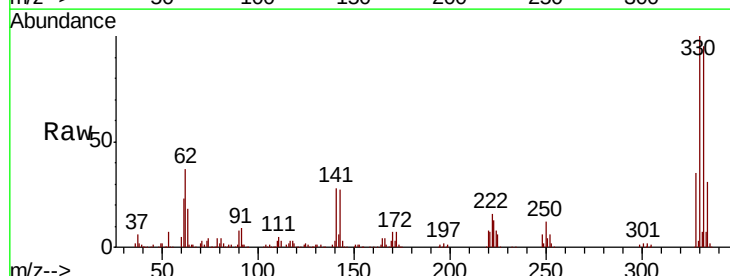
RT: 10.70 min Scan# 1465

Delta R.T. 0.01 min

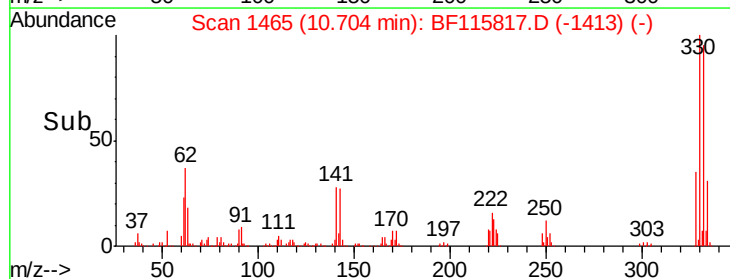
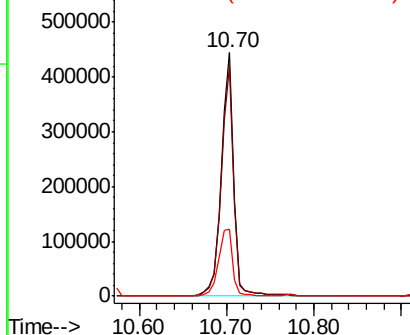
Lab File: BF115817.D

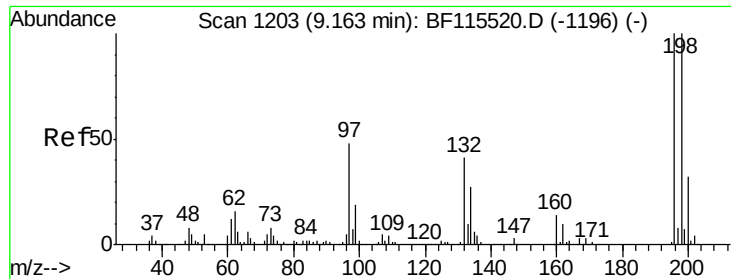
Acq: 27 Jul 2019 9:06

Tgt Ion:	330	Resp:	439080
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.1	114.1
141	31.7	25.9	38.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





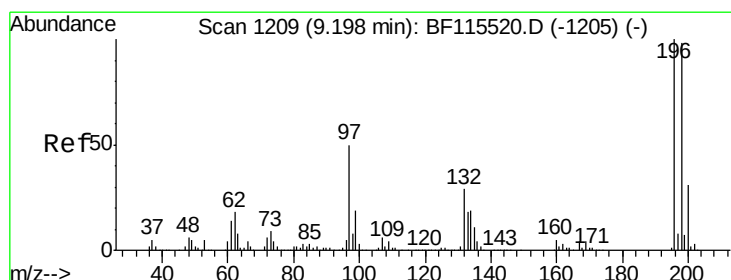
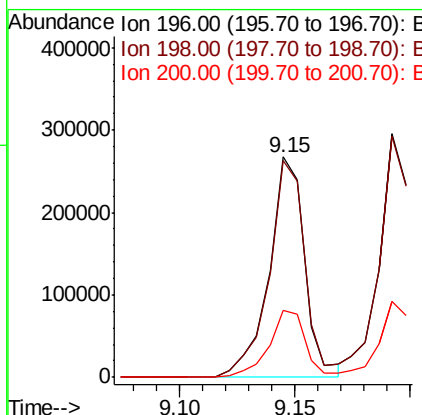
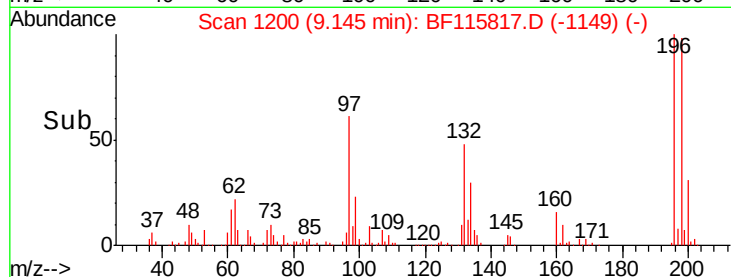
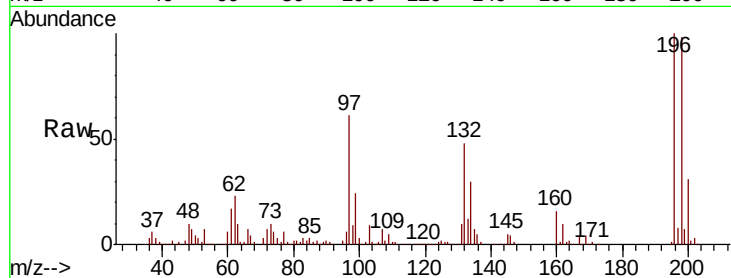
#43
2,4,6-Trichlorophenol
Concen: 35.235 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	287664		
198	98.5	79.8	119.6	
200	30.6	25.4	38.0	

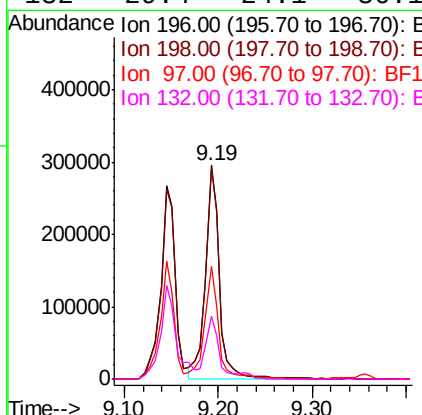
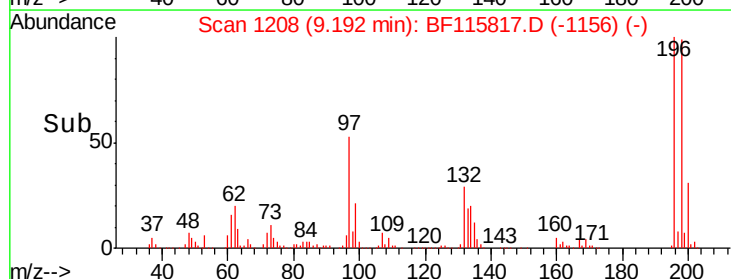
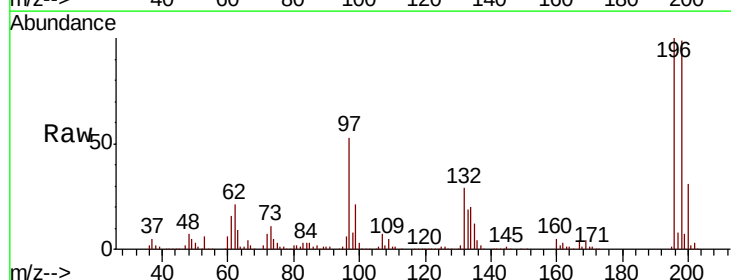
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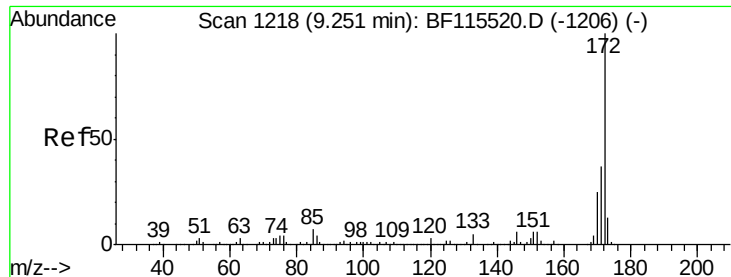
mohammad
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#44
2,4,5-Trichlorophenol
Concen: 36.401 ng
RT: 9.19 min Scan# 1208
Delta R.T. 0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	304344		
198	99.1	78.2	117.2	
97	52.8	41.9	62.9	
132	29.4	24.1	36.1	





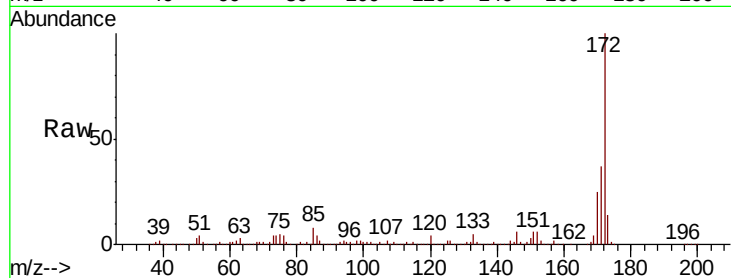
#45
2-Fluorobiphenyl
Concen: 81.851 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

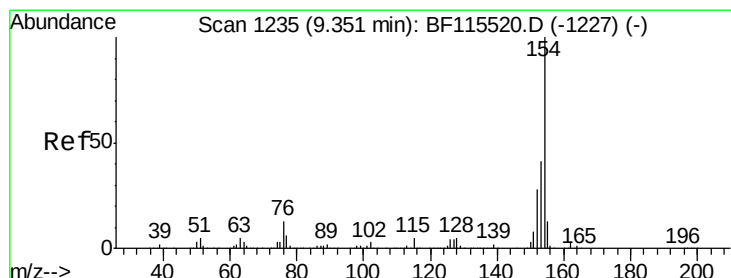
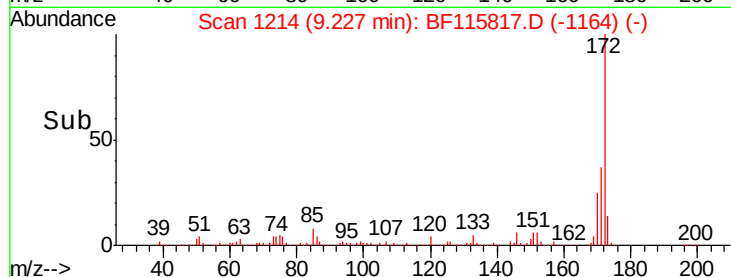
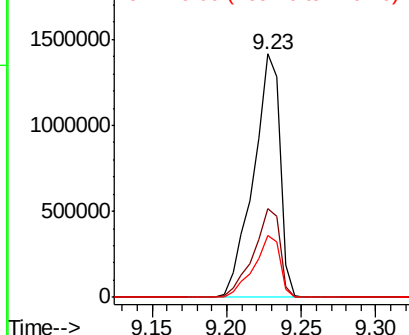
Tot Ion:172 Resp: 1733709
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.4
170 25.4 20.1 30.1

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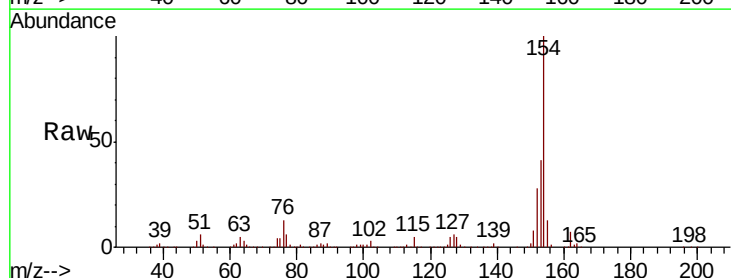


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

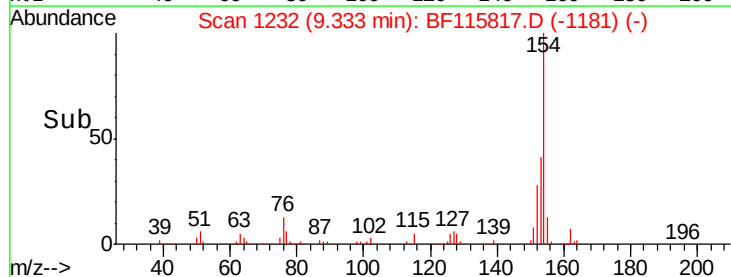
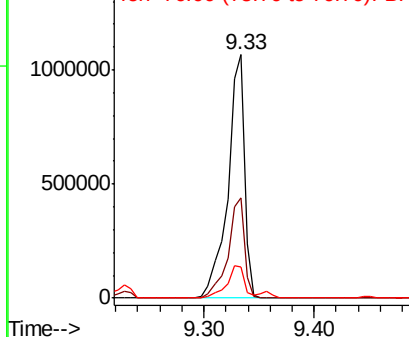


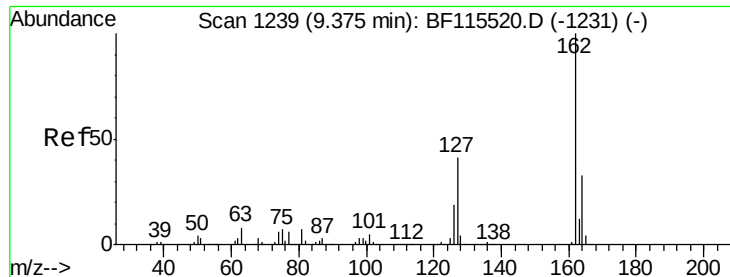
#46
1,1'-Biphenyl
Concen: 38.891 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion:154 Resp: 1127183
Ion Ratio Lower Upper
154 100
153 41.4 21.4 61.4
76 12.9 0.0 33.2



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





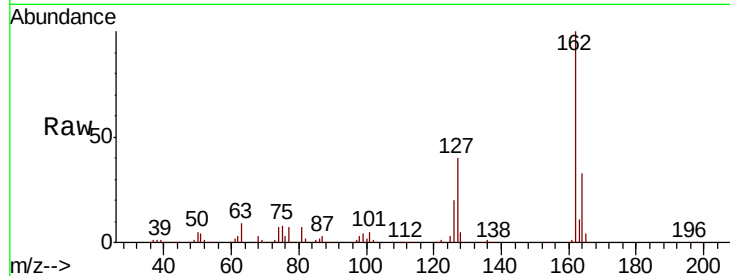
#47
 2-Chloronaphthalene
 Concen: 36.944 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: BF115817.D
 Acq: 27 Jul 2019 9:06

Instrument :
 BNA_F
 ClientSampleId :
 PB121745BS

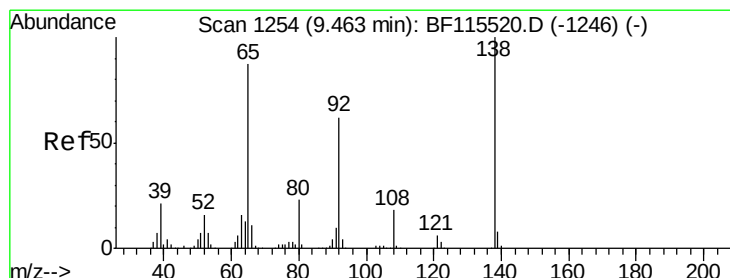
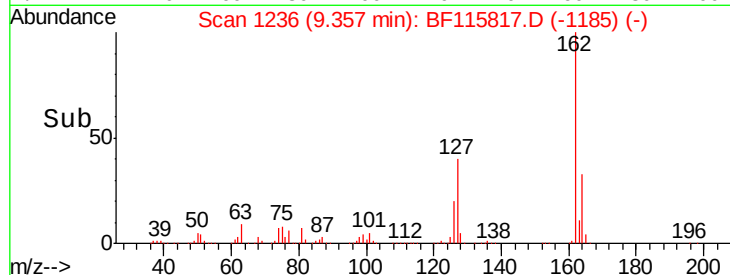
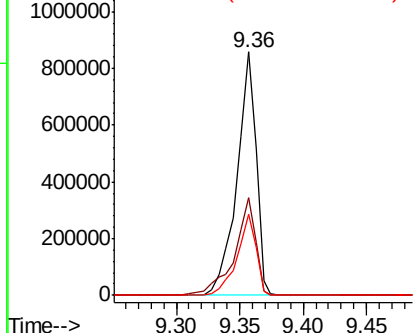
Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	40.3	32.1	48.1		
164	33.3	26.2	39.4		

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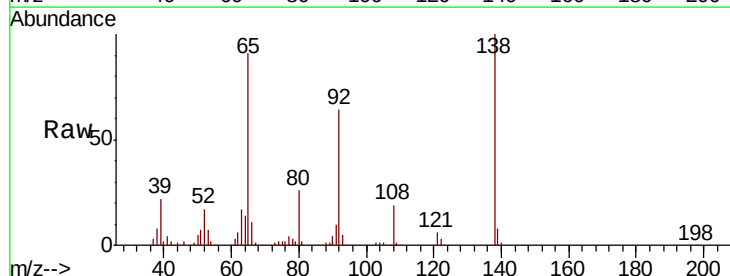


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

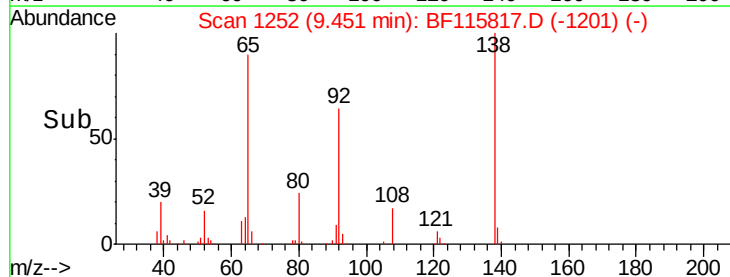
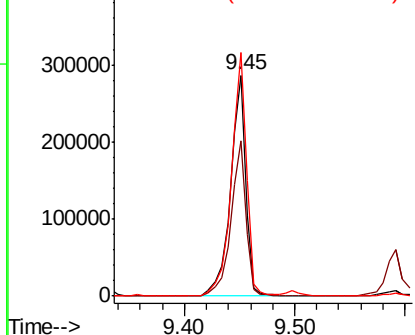


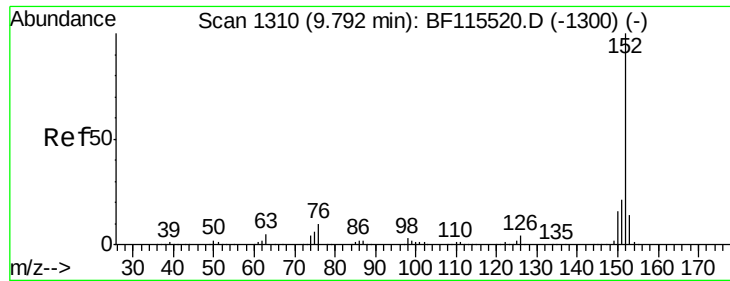
#48
 2-Nitroaniline
 Concen: 37.337 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: BF115817.D
 Acq: 27 Jul 2019 9:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	70.5	56.9	85.3		
138	110.3	91.4	137.2		



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: 37.919 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

ClientSampleId :

PB121745BS

Tot Ion:152 Resp: 1355944

Ion Ratio Lower Upper

152 100

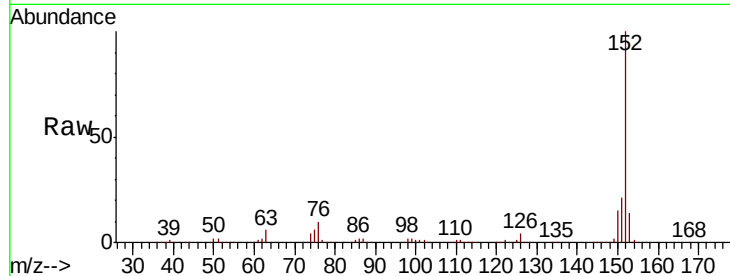
151 20.7 16.9 25.3

153 14.0 11.5 17.3

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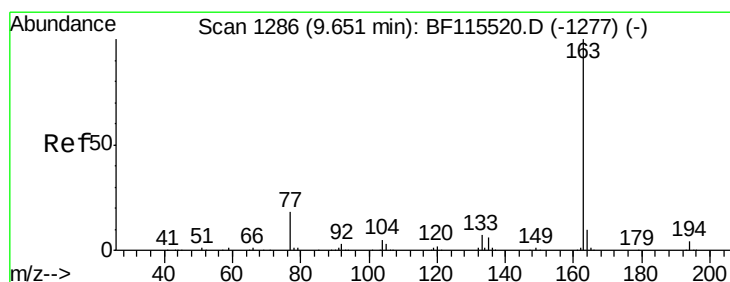
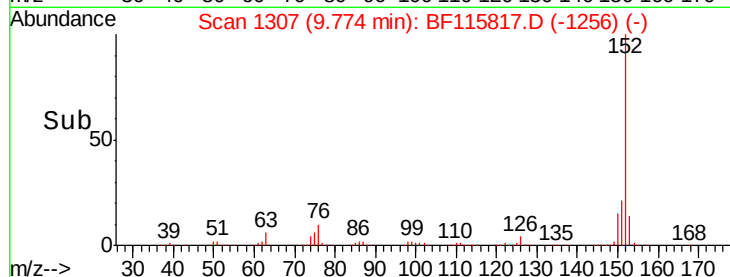
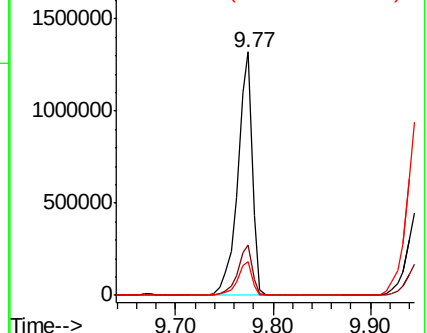
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 37.804 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

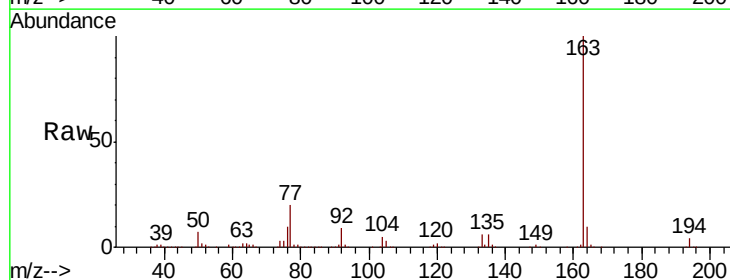
Tgt Ion:163 Resp: 1054466

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

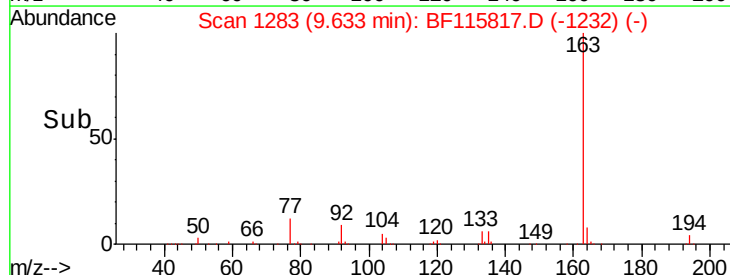
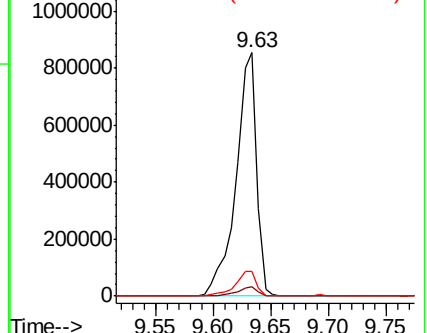
164 10.4 8.3 12.5

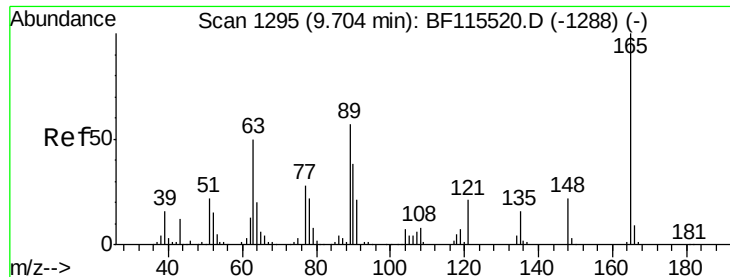


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 36.655 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

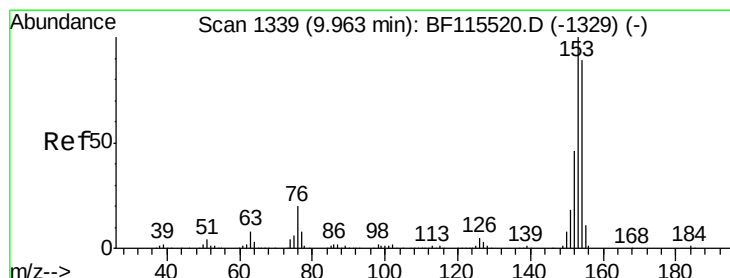
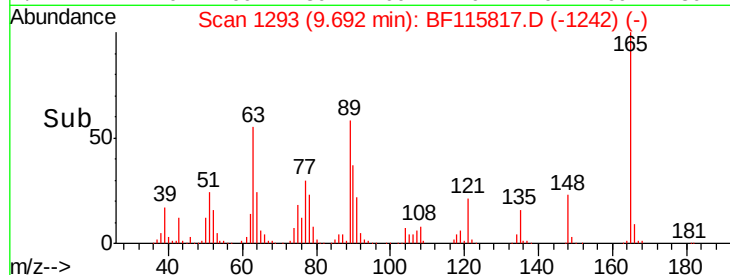
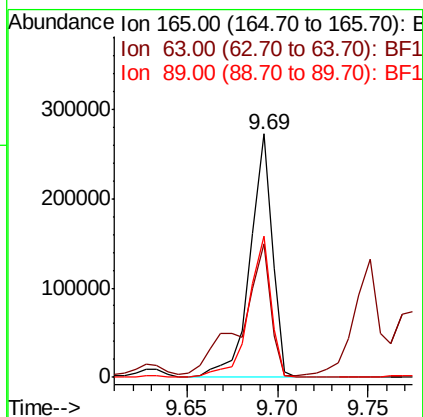
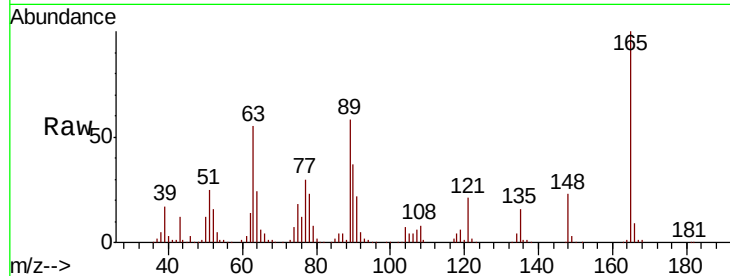
ClientSampleId :

PB121745BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		232347		
63	54.8	43.5	65.3		
89	58.0	46.3	69.5		

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#52

Acenaphthene

Concen: 35.452 ng

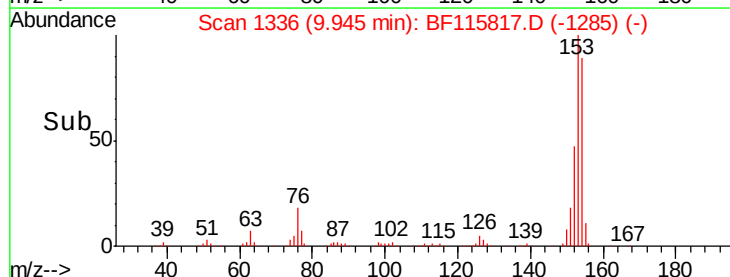
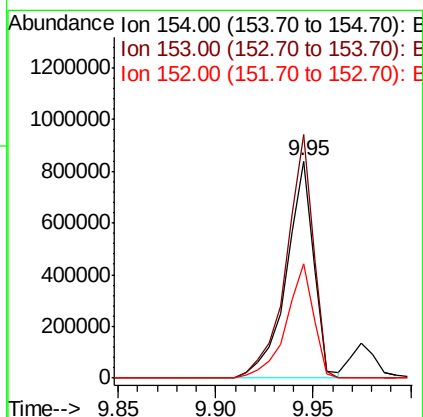
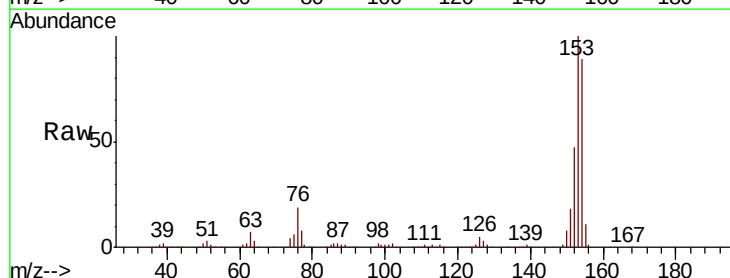
RT: 9.95 min Scan# 1336

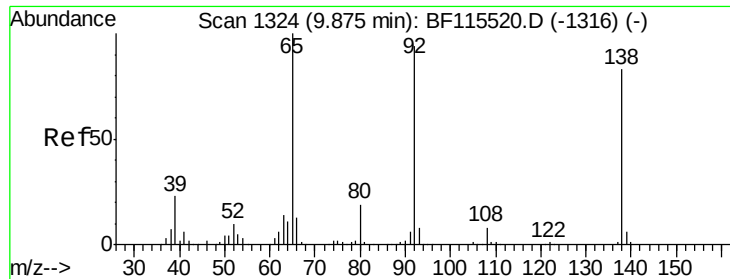
Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100		818471		
153	112.2	88.1	132.1		
152	52.9	42.0	63.0		





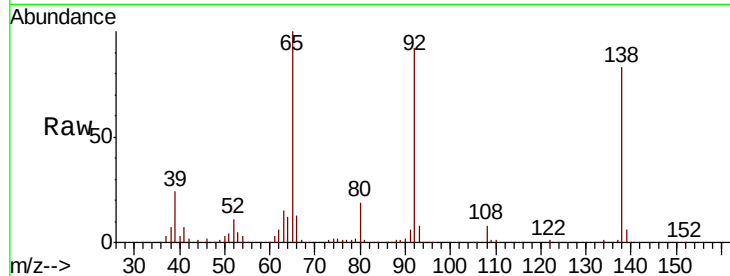
#53
3-Nitroaniline
Concen: 26.348 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.3	7.9	11.9
92	110.9	87.2	130.8

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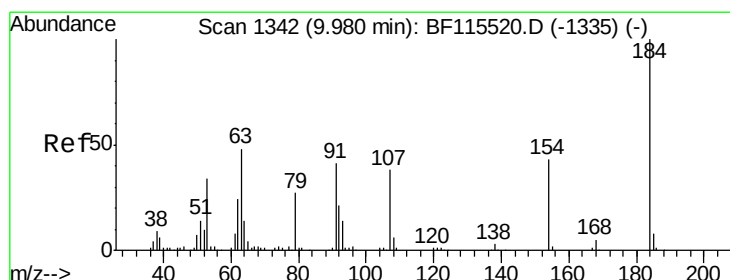
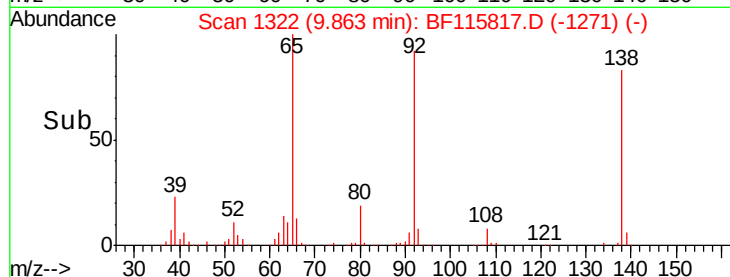
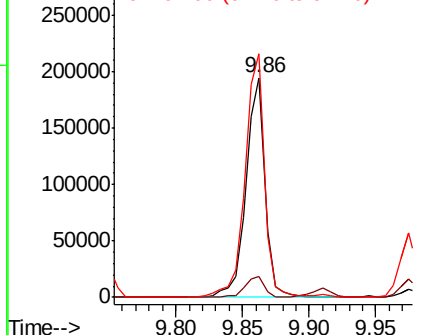


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 63.711 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

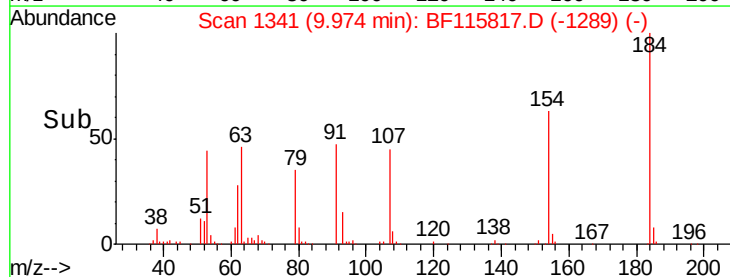
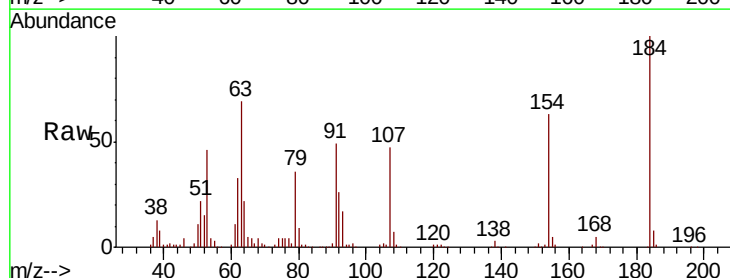
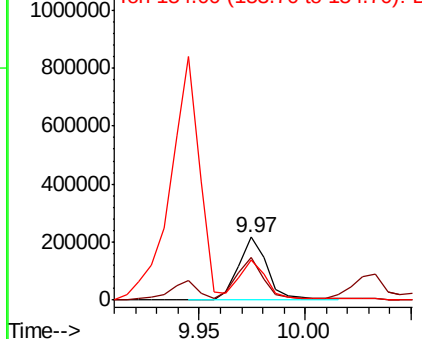
Tgt Ion	Ratio	Lower	Upper
184	100		
63	68.6	55.2	82.8
154	63.4	51.4	77.0

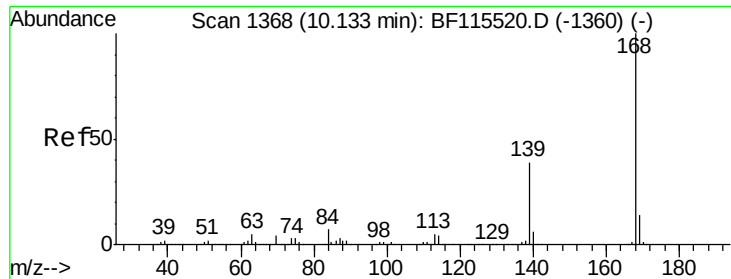
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





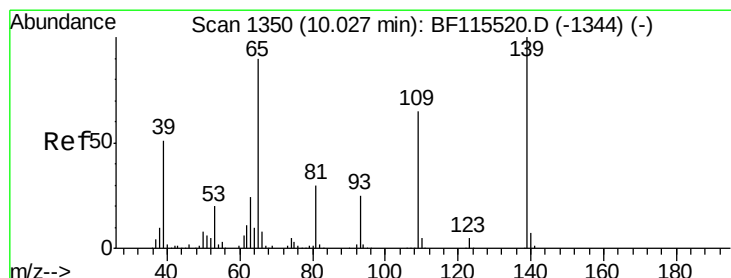
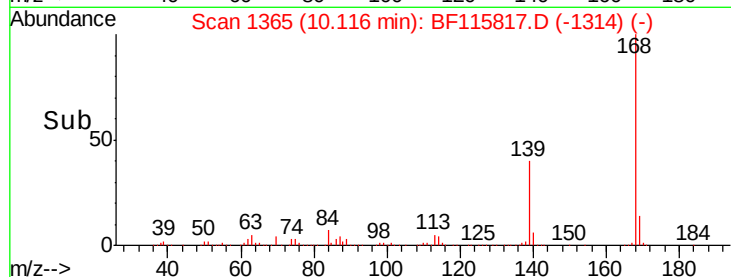
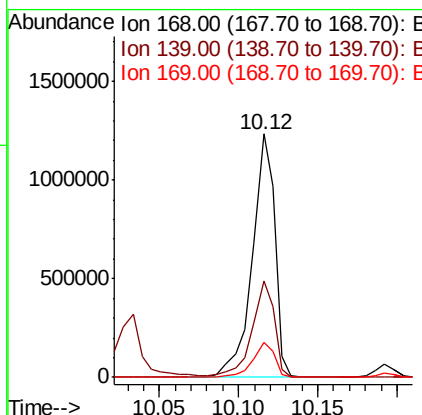
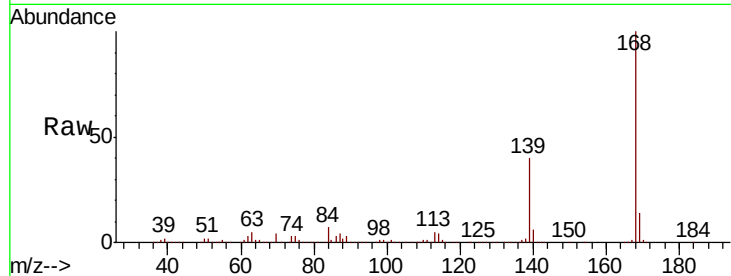
#55
Dibenzofuran
Concen: 37.055 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion:168 Resp: 1214900
Ion Ratio Lower Upper
168 100
139 39.6 31.4 47.2
169 14.3 11.3 16.9

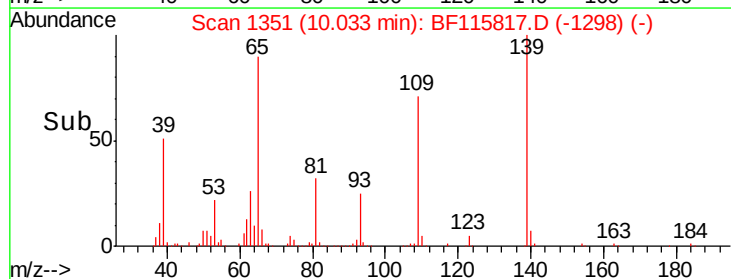
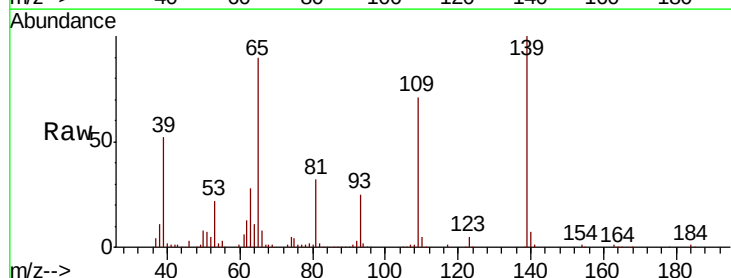
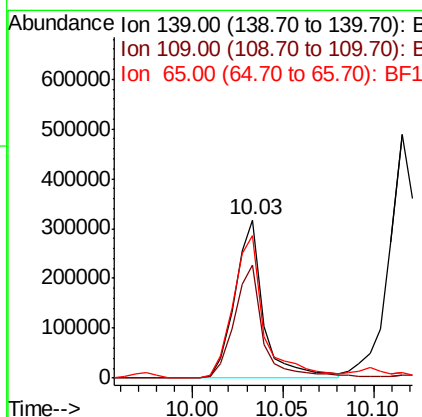
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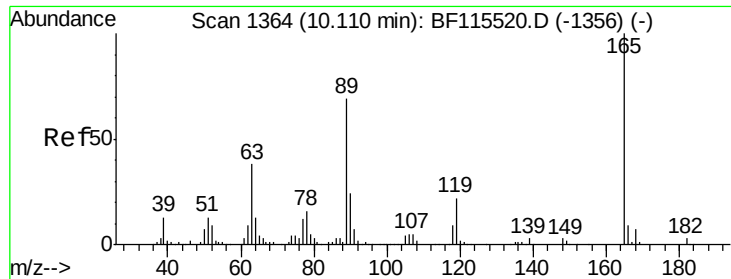
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#56
4-Nitrophenol
Concen: 63.114 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion:139 Resp: 348625
Ion Ratio Lower Upper
139 100
109 71.2 51.2 91.2
65 90.0 76.0 116.0





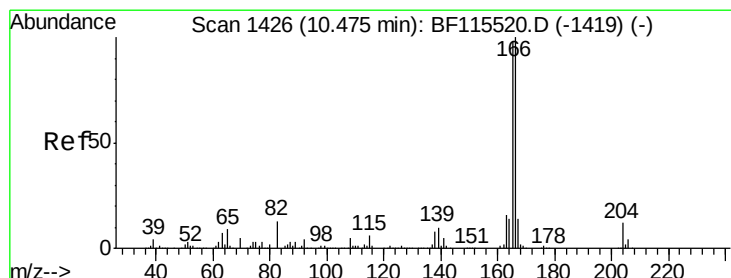
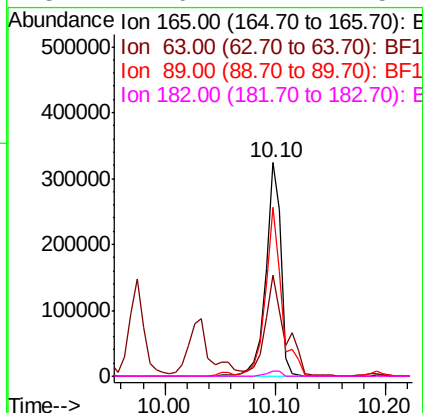
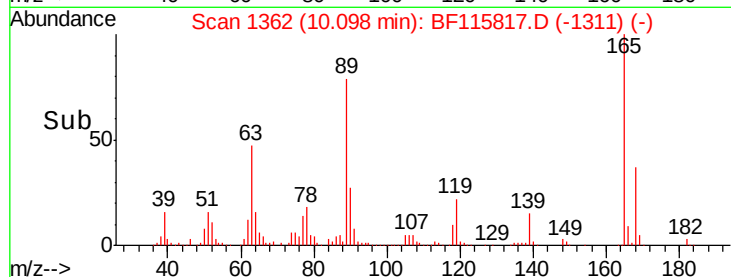
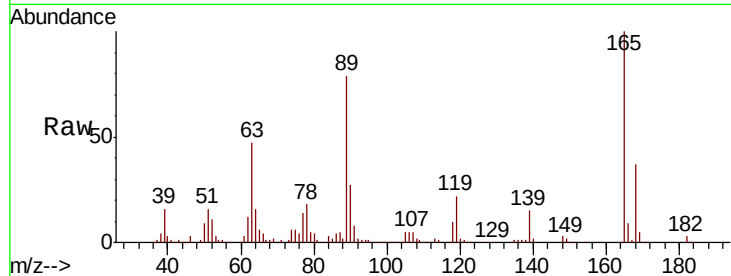
#57
2,4-Dinitrotoluene
Concen: 37.330 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	47.2	33.4	50.2	
89	79.0	57.3	85.9	
182	2.6	2.1	3.1	

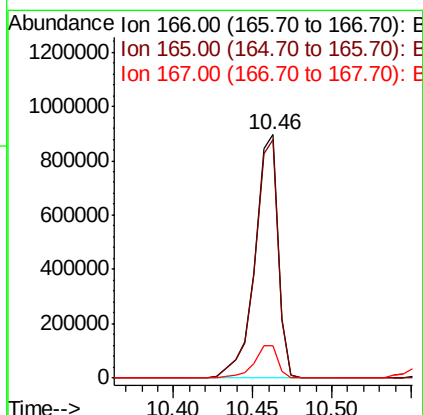
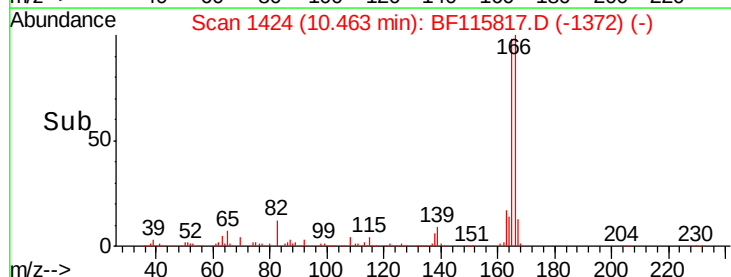
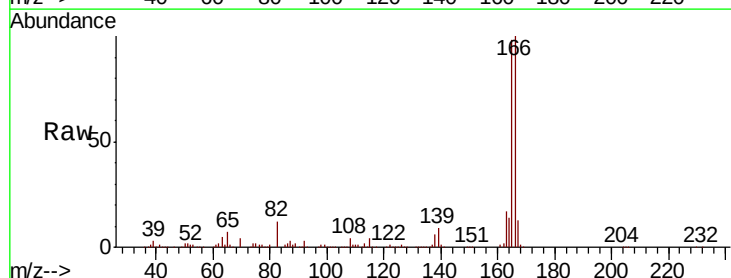
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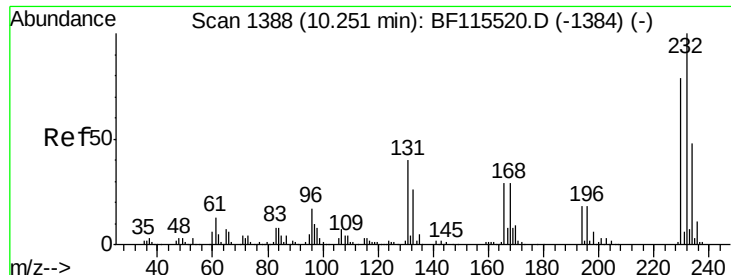
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#58
Fluorene
Concen: 39.206 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.7	79.0	118.4	
167	13.2	11.0	16.6	





#59

2,3,4,6-Tetrachlorophenol

Concen: 37.648 ng

RT: 10.24 min Scan# 1386

Delta R.T. 0.01 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

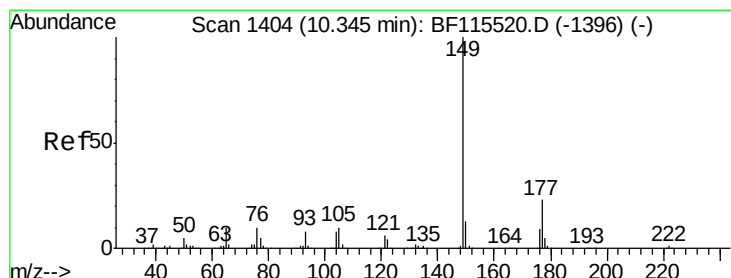
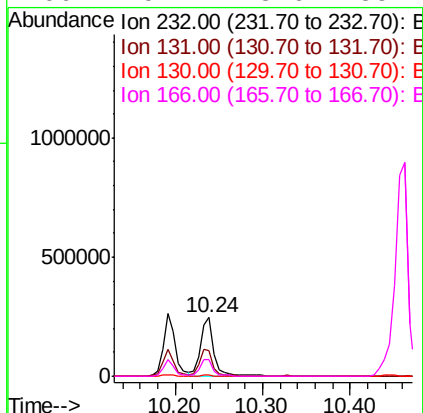
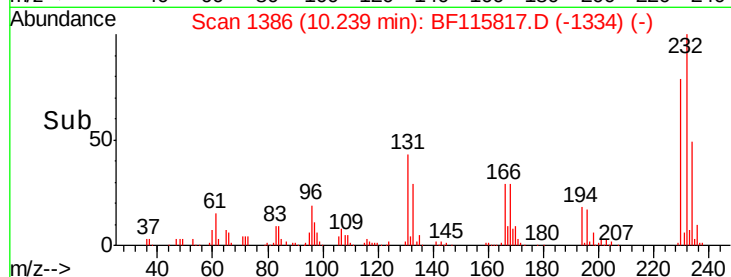
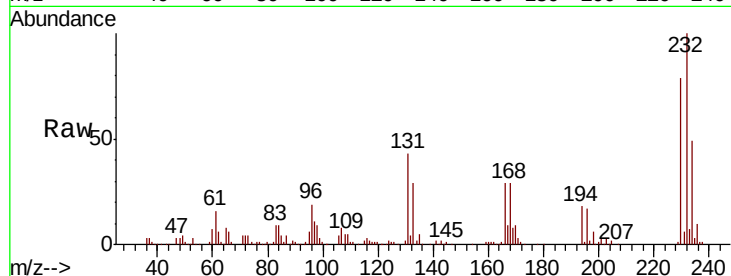
ClientSampleId :

PB121745BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		263132		
131	46.7	35.8	53.8		
130	2.4	1.8	2.6		
166	29.7	23.6	35.4		

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#60

Diethylphthalate

Concen: 38.845 ng

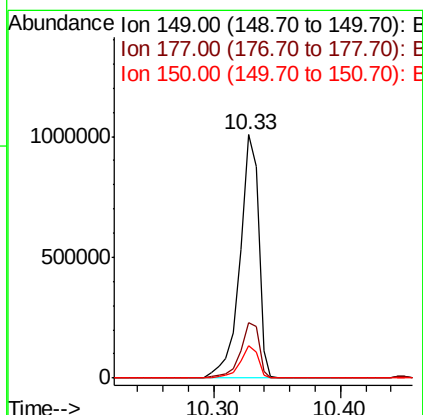
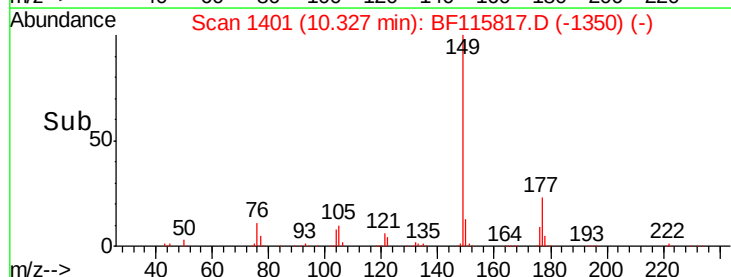
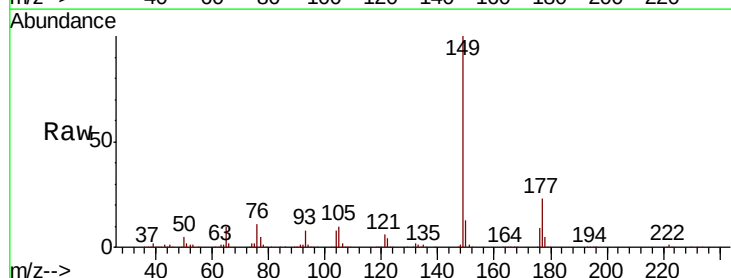
RT: 10.33 min Scan# 1401

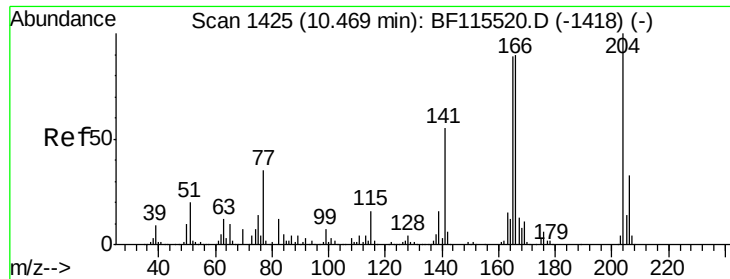
Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		1015182		
177	22.9	19.0	28.4		
150	13.1	10.5	15.7		





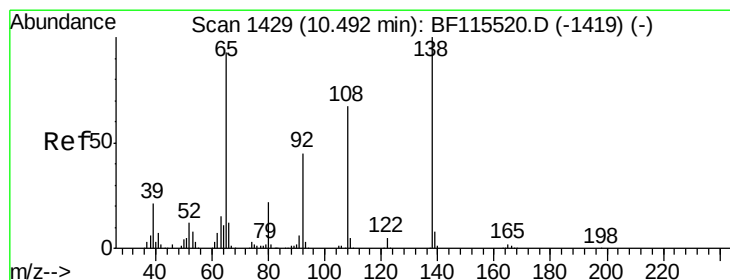
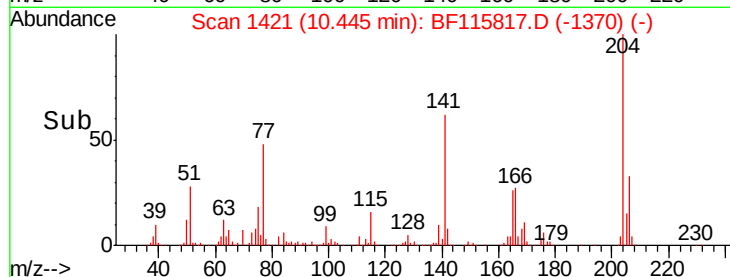
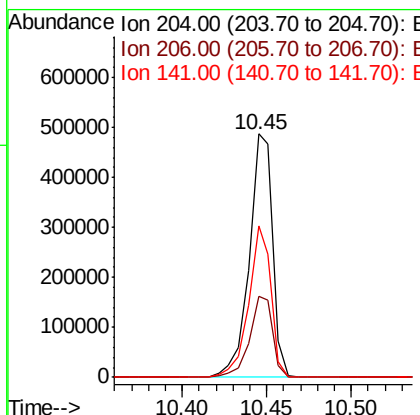
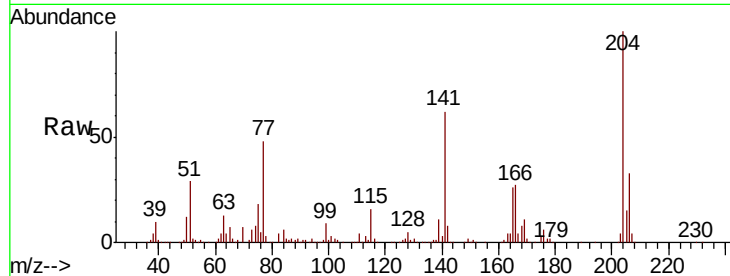
#61
 4-Chlorophenyl-phenylether
 Concen: 36.324 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.00 min
 Lab File: BF115817.D
 Acq: 27 Jul 2019 9:06

Instrument :
 BNA_F
 ClientSampleId :
 PB121745BS

Tot Ion:	204	Resp:	472129
Ion Ratio	Lower	Upper	
204	100		
206	33.1	26.2	39.2
141	62.3	47.3	70.9

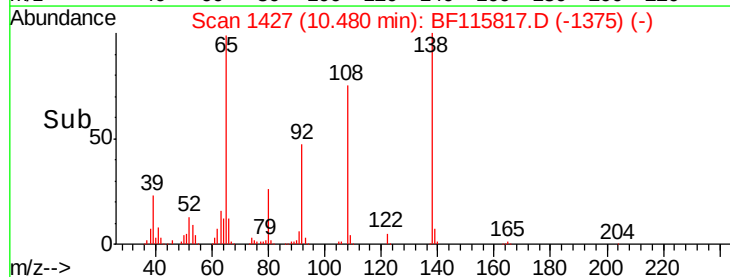
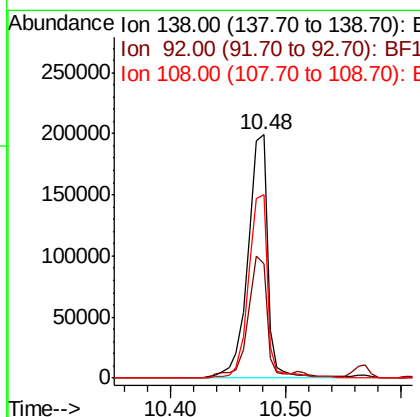
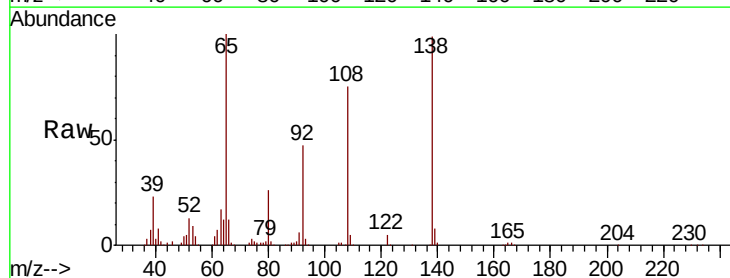
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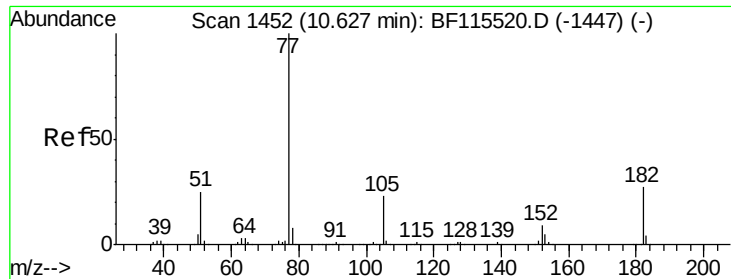
mohammad
 7/29/2019 5:29:45 PM



#62
 4-Nitroaniline
 Concen: 34.425 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.01 min
 Lab File: BF115817.D
 Acq: 27 Jul 2019 9:06

Tgt Ion:	138	Resp:	239191
Ion Ratio	Lower	Upper	
138	100		
92	46.9	30.3	70.3
108	75.4	55.0	95.0





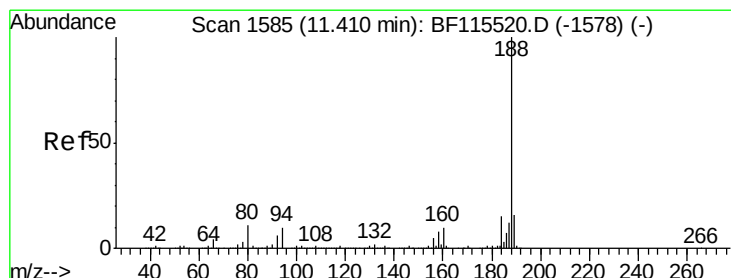
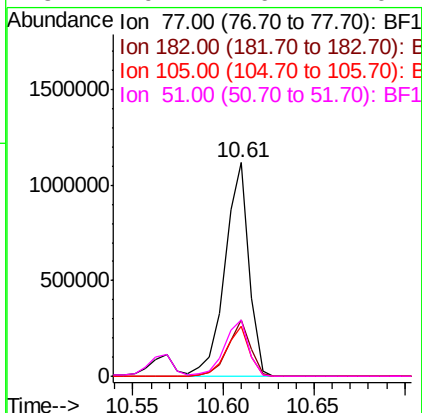
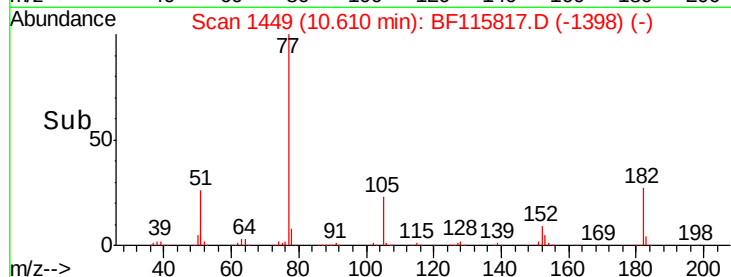
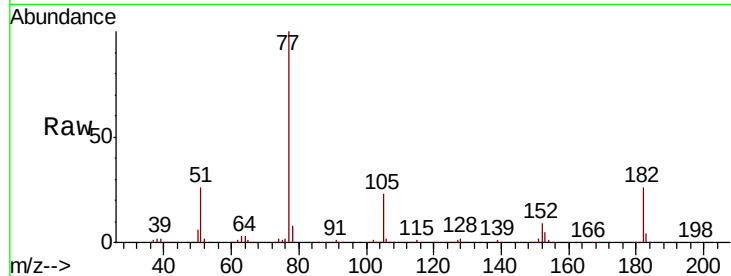
#63
Azobenzene
Concen: 40.464 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	26.5	6.9	46.9	
105	23.2	3.1	43.1	
51	26.4	6.7	46.7	

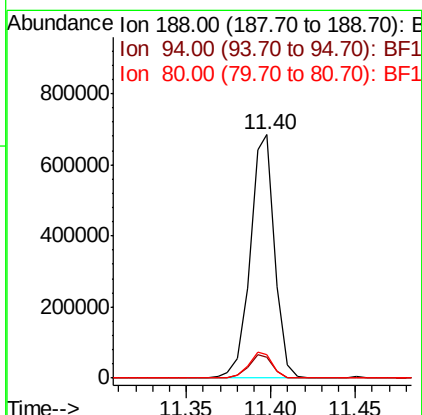
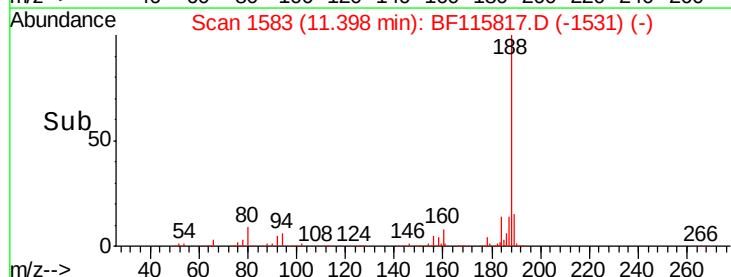
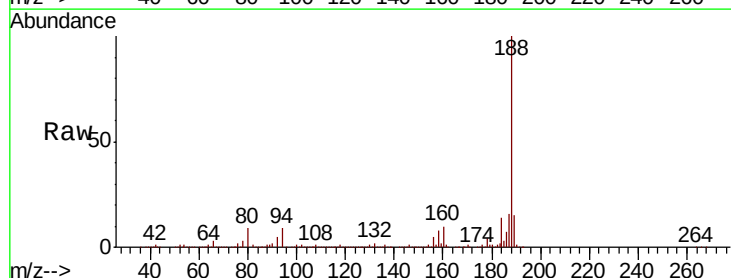
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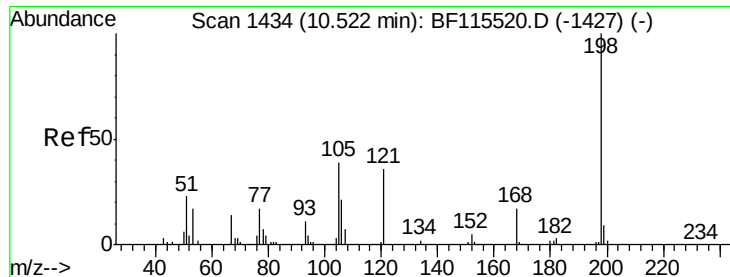
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.7	8.2	12.2	
80	9.4	9.0	13.6	





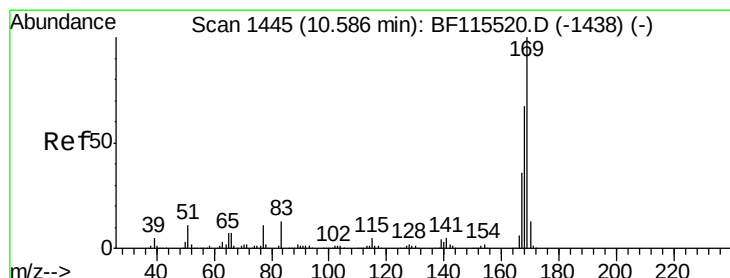
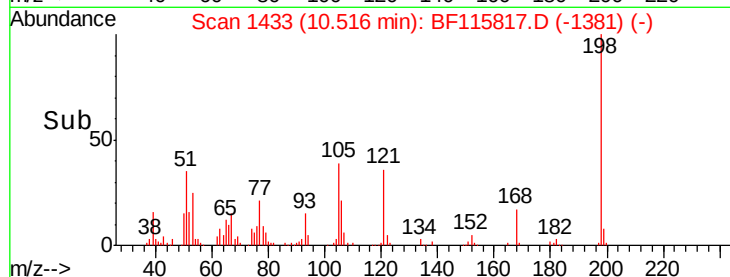
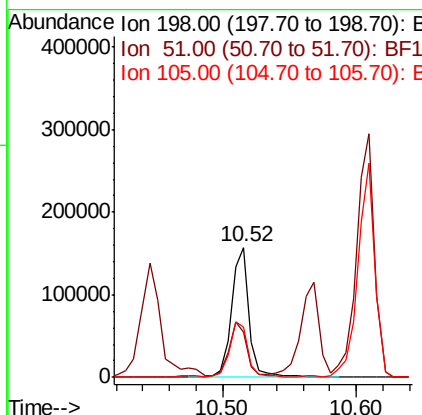
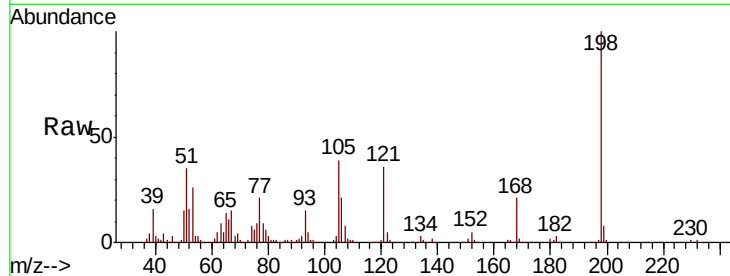
#65
4,6-Dinitro-2-methylphenol
Concen: 34.596 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	146529		
51	34.7	20.3	60.3	
105	38.8	24.7	64.7	

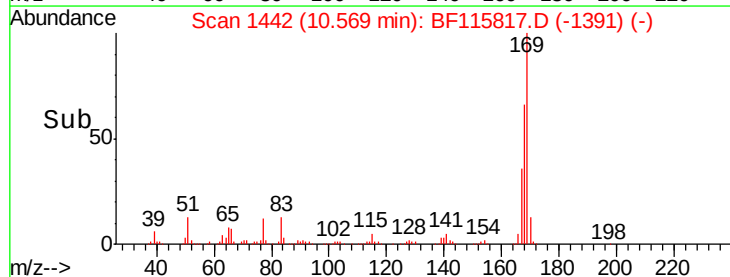
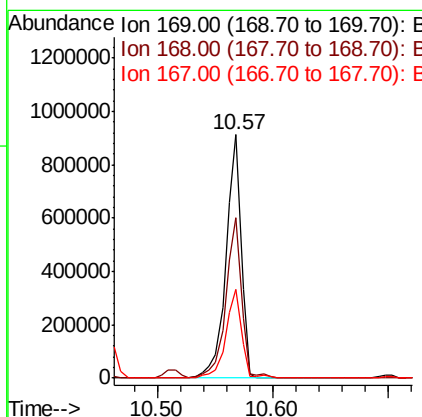
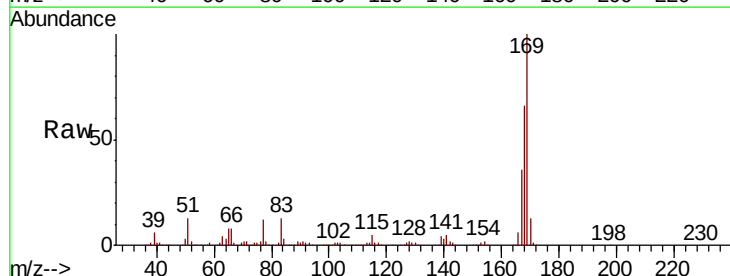
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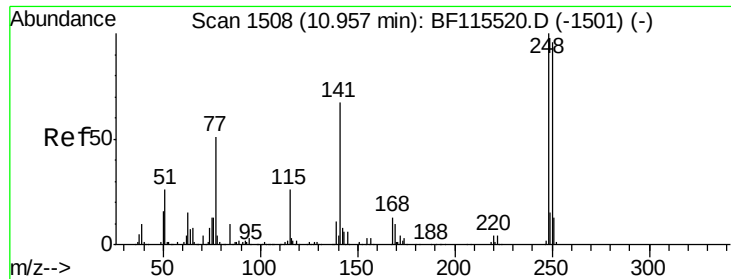
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 38.632 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	833068		
168	66.0	53.4	80.0	
167	36.4	29.1	43.7	





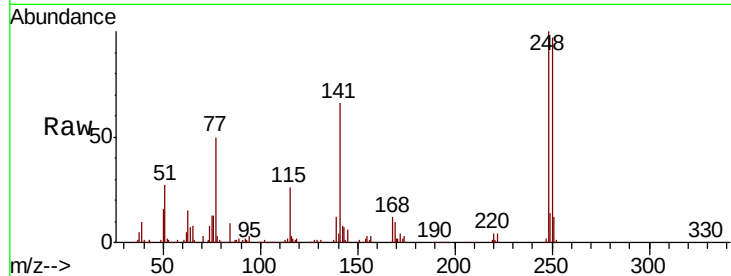
#67
4-Bromophenyl-phenylether
Concen: 37.150 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.0	115.4
141	66.4	52.1	78.1

Manual Integrations
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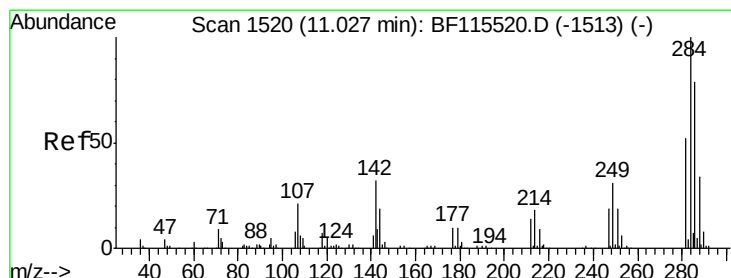
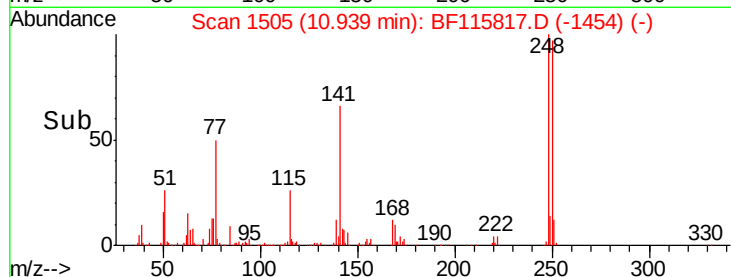
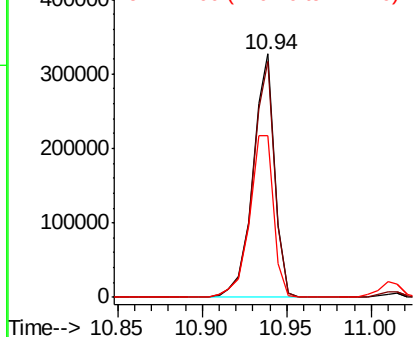


Abundance

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: 35.770 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

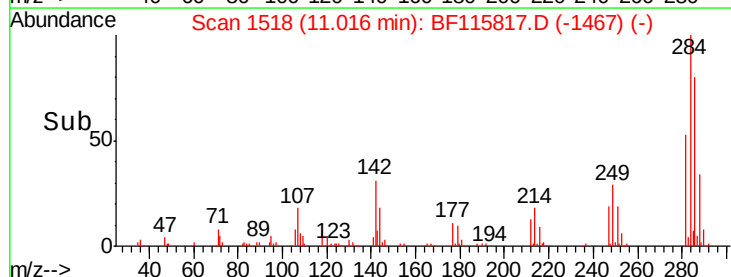
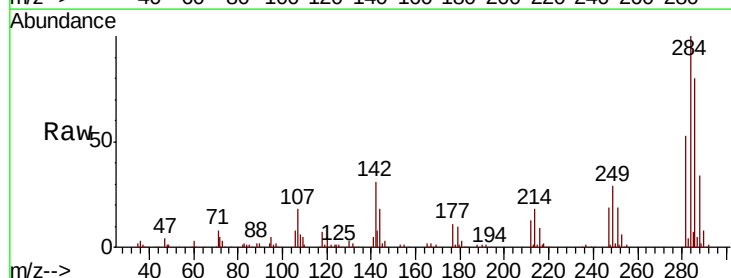
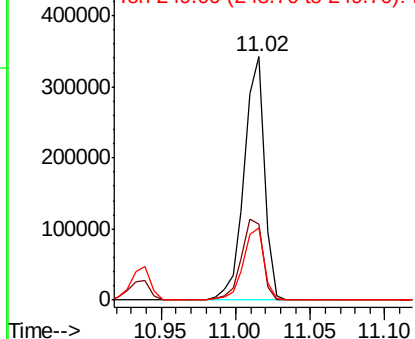
Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.0	21.8	32.8
249	29.4	23.1	34.7

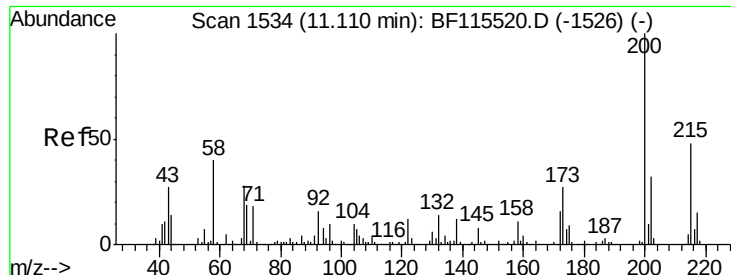
Abundance

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





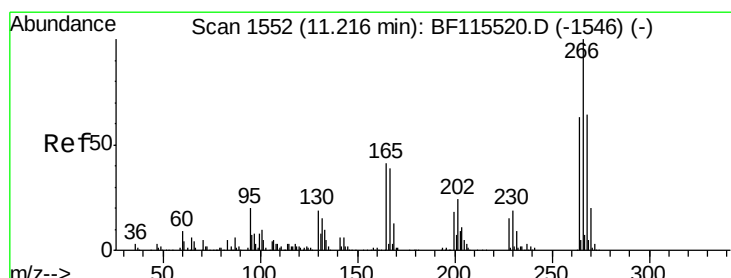
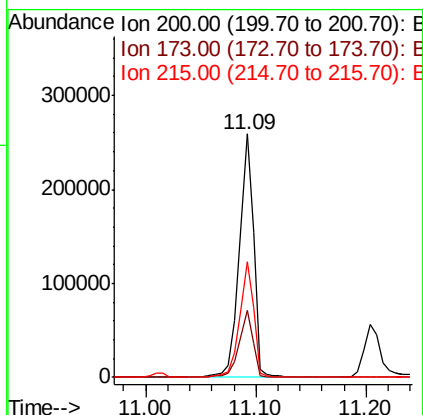
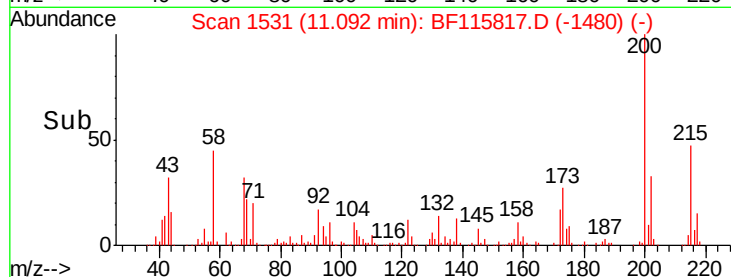
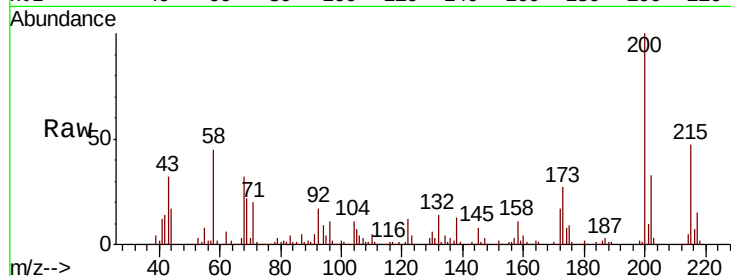
#69
Atrazine
Concen: 33.781 ng
RT: 11.09 min Scan# 1531
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.3	6.9	46.9
215	47.3	26.6	66.6

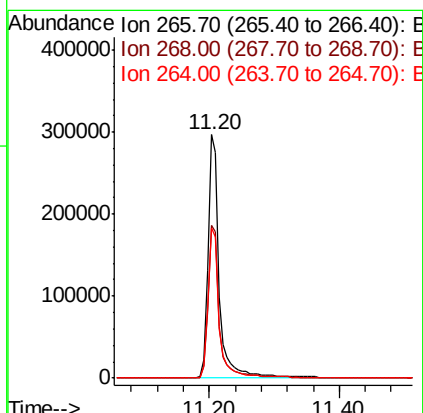
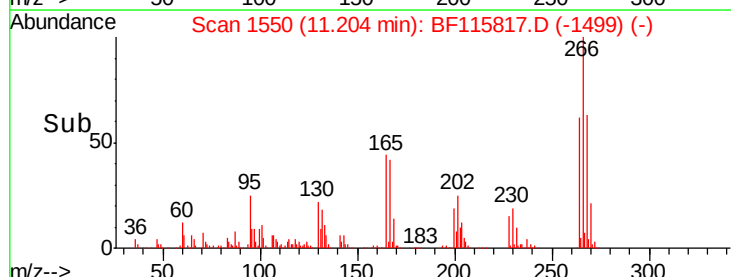
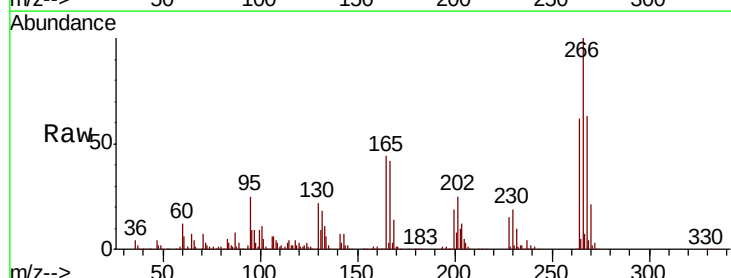
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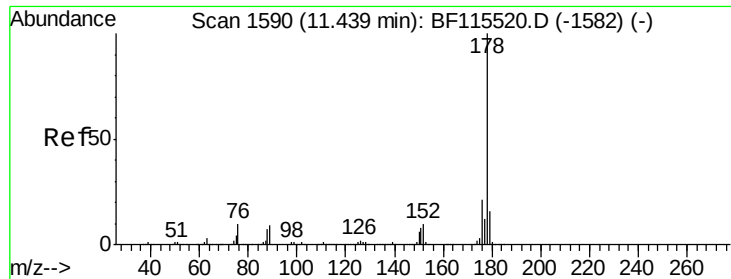
mohammad
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#70
Pentachlorophenol
Concen: 64.220 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	62.7	51.2	76.8
264	61.9	50.0	75.0





#71

Phenanthrene

Concen: 37.938 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

ClientSampleId :

PB121745BS

Tot Ion:178 Resp: 1348104

Ion Ratio Lower Upper

178 100

176 21.0 16.4 24.6

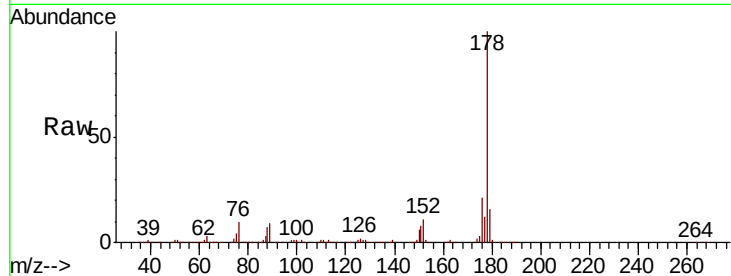
179 16.1 12.7 19.1

Manual Integrations

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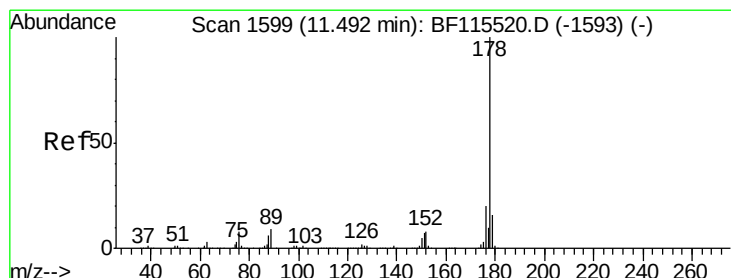
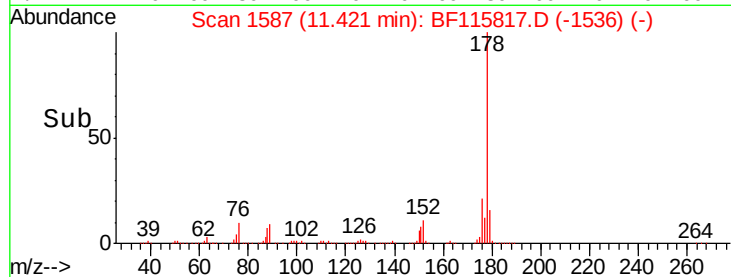
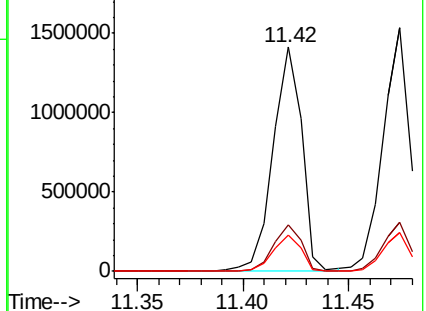
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 37.396 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Tgt Ion:178 Resp: 1373331

Ion Ratio Lower Upper

178 100

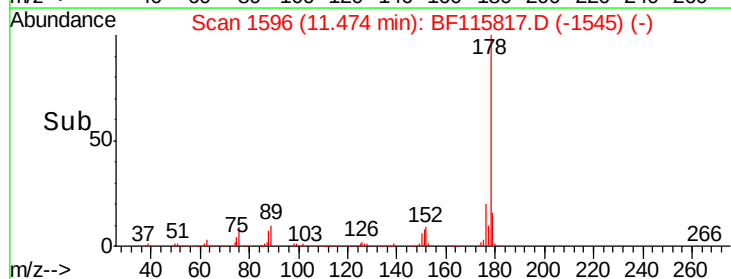
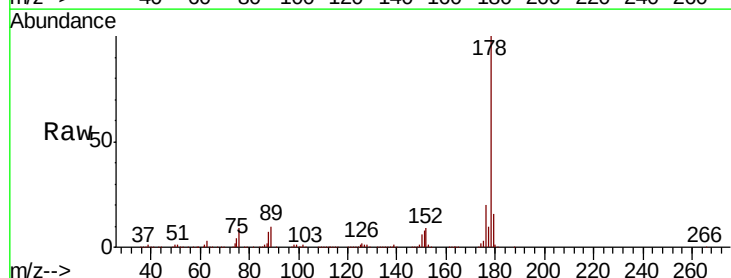
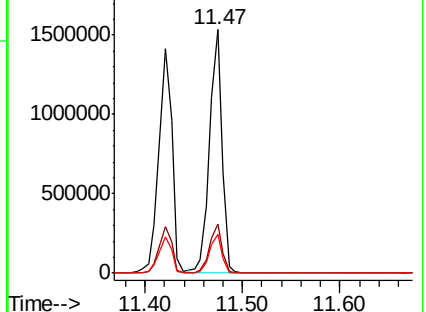
176 20.1 16.1 24.1

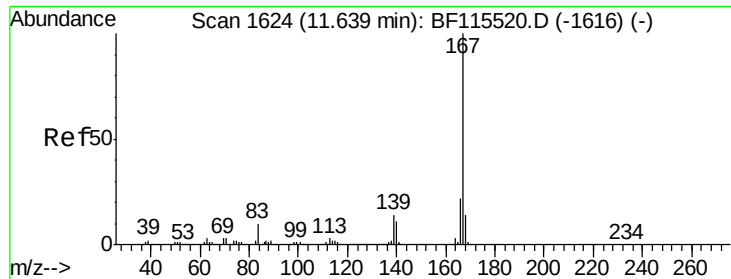
179 16.0 12.6 18.8

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





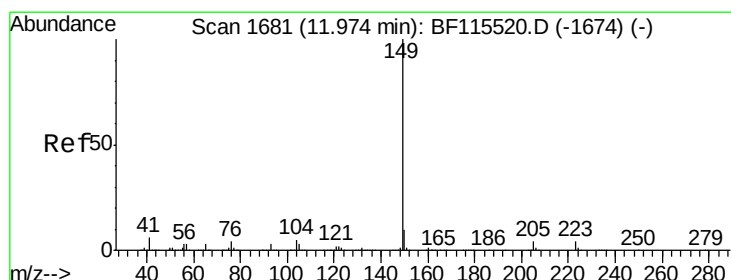
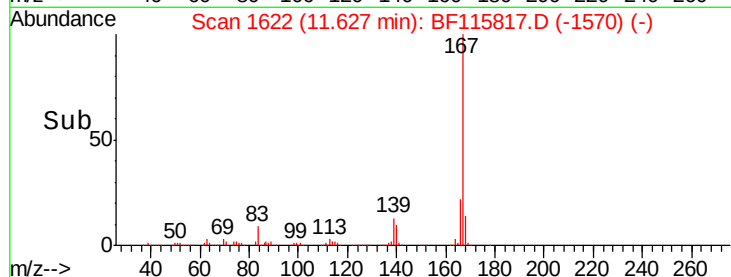
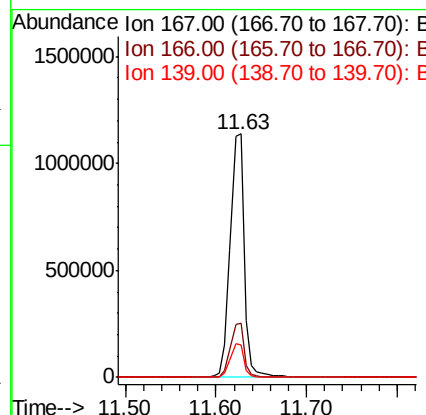
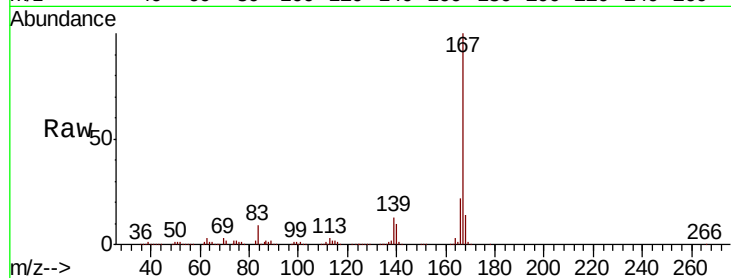
#73
 Carbazole
 Concen: 38.015 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. 0.01 min
 Lab File: BF115817.D
 Acq: 27 Jul 2019 9:06

Instrument :
 BNA_F
 ClientSampleId :
 PB121745BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	13.5	11.1	16.7

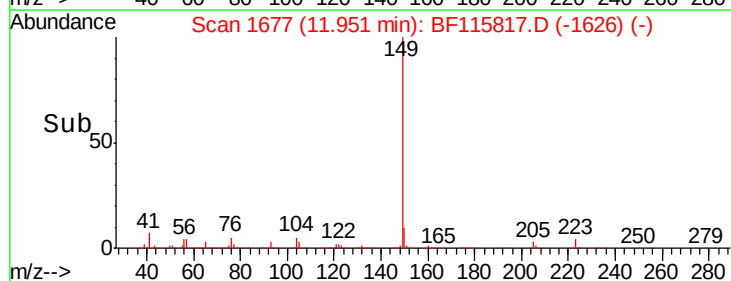
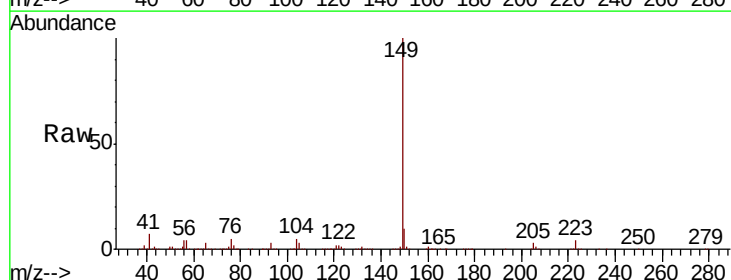
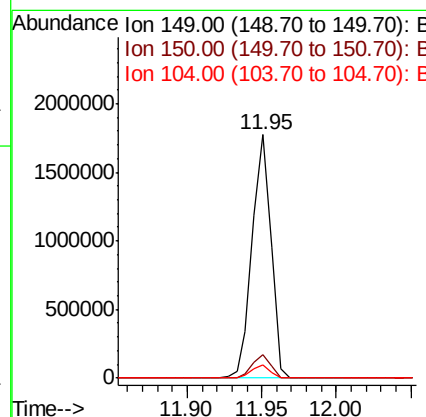
Manual Integrations
 APPROVED

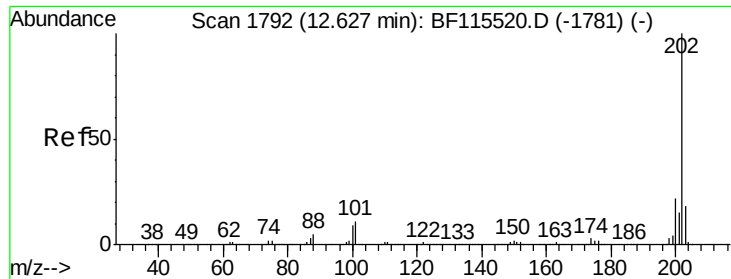
mohammad
 7/29/2019 5:29:45 PM



#74
 Di-n-butylphthalate
 Concen: 39.270 ng
 RT: 11.95 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: BF115817.D
 Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	8.0	12.0
104	5.5	4.3	6.5





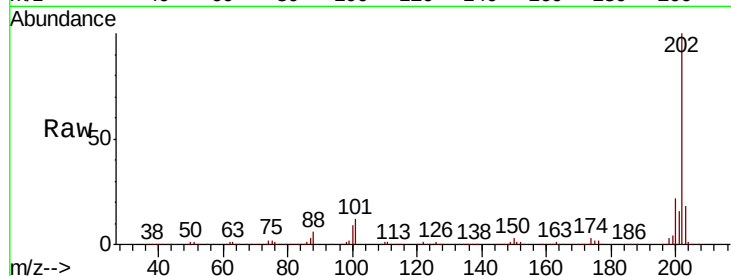
#75
Fluoranthene
Concen: 37.302 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

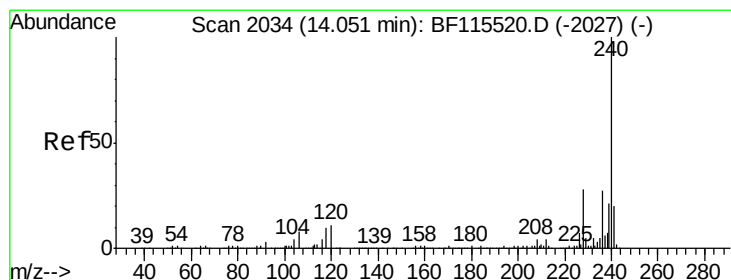
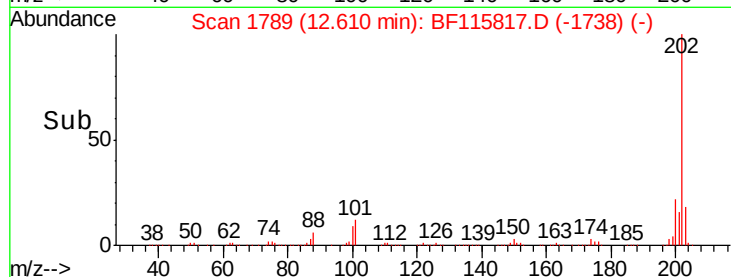
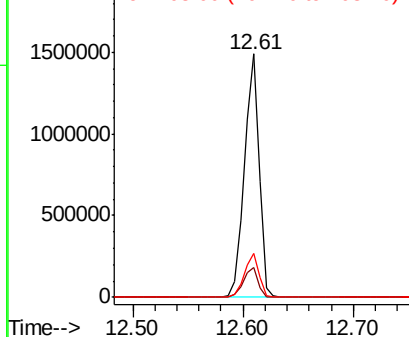
Tot Ion	Ratio	Resp	Lower	Upper
202	100	1400708		
101	12.3		0.0	31.6
203	18.2		0.0	38.0

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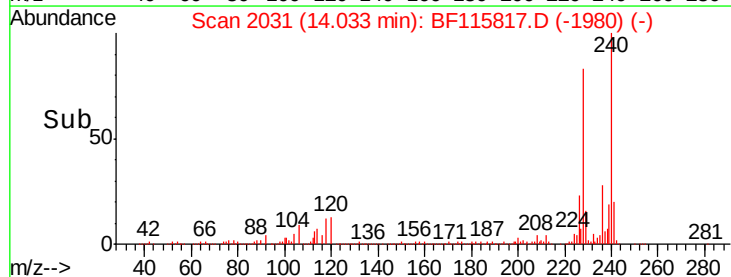
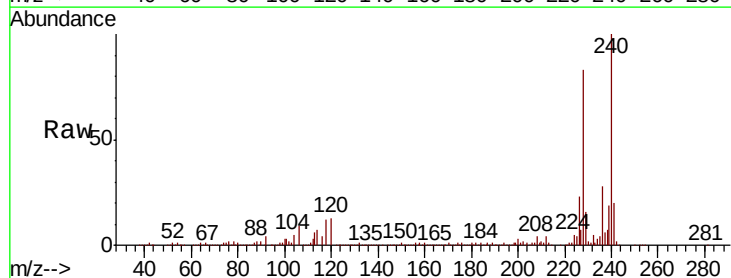
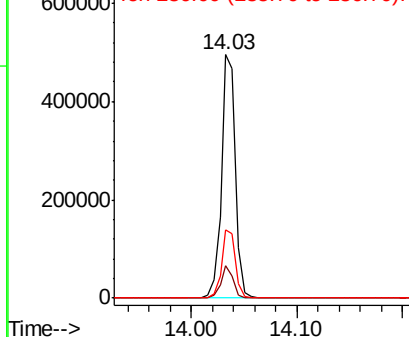
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

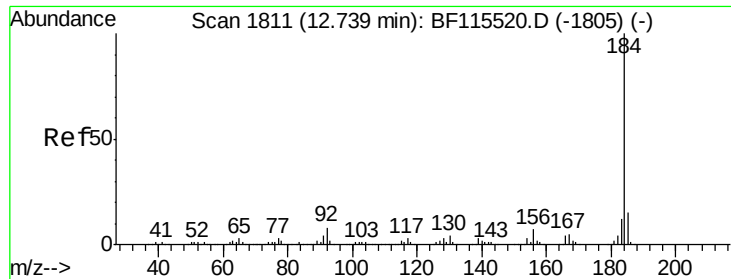


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	456474		
120	13.5		10.0	15.0
236	28.3		21.8	32.6

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 24.500 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

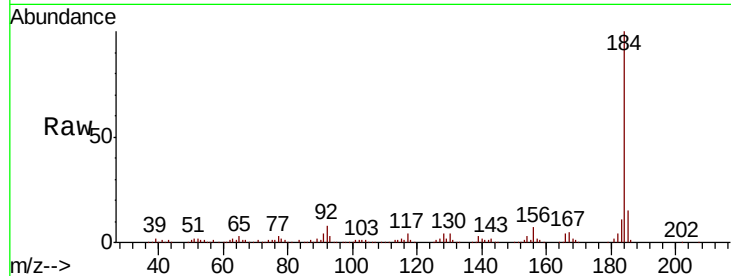
ClientSampleId :

PB121745BS

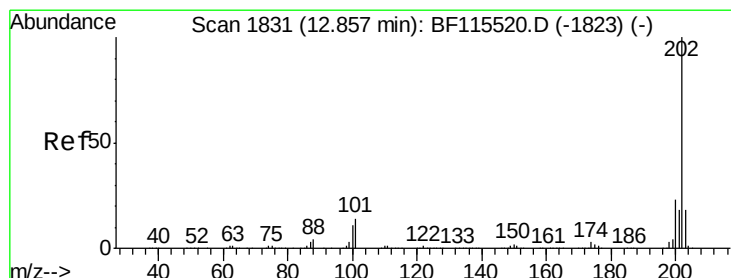
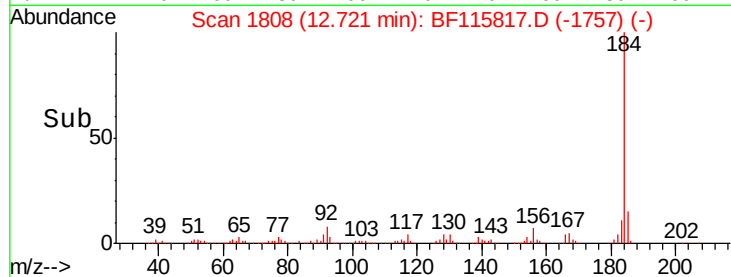
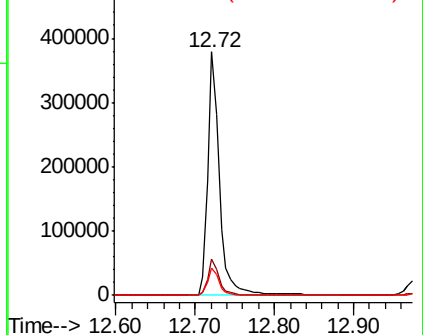
Tot Ion:	184	Resp:	396182
Ion Ratio	Lower	Upper	
184	100		
185	14.7	12.5	18.7
183	11.1	9.2	13.8

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



#78

Pyrene

Concen: 36.351 ng

RT: 12.84 min Scan# 1828

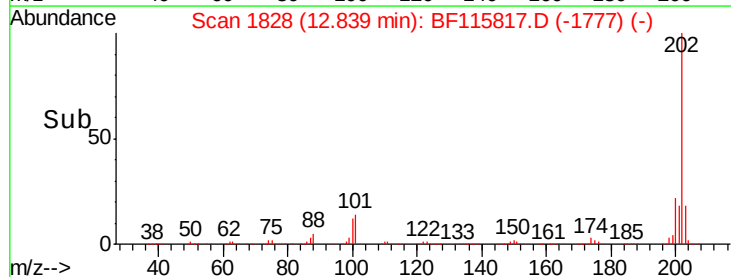
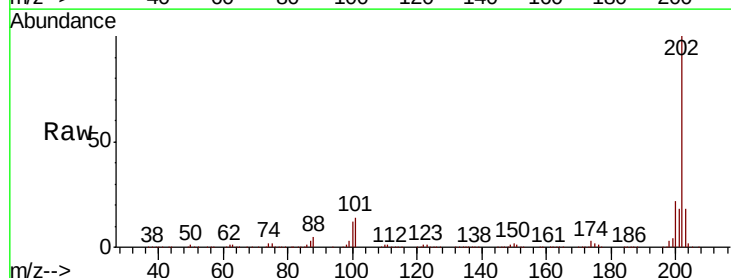
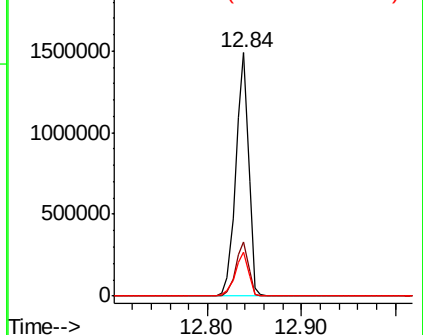
Delta R.T. -0.00 min

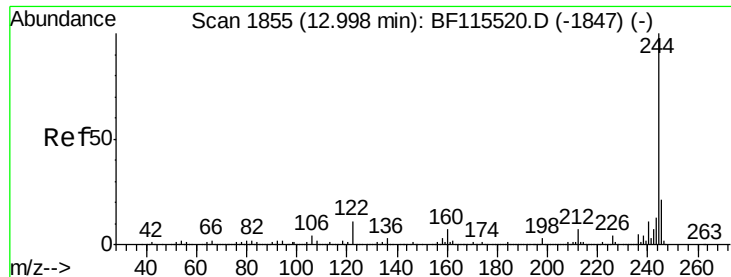
Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Tgt Ion:	202	Resp:	1405853
Ion Ratio	Lower	Upper	
202	100		
200	22.5	18.2	27.4
203	18.0	14.6	21.8

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





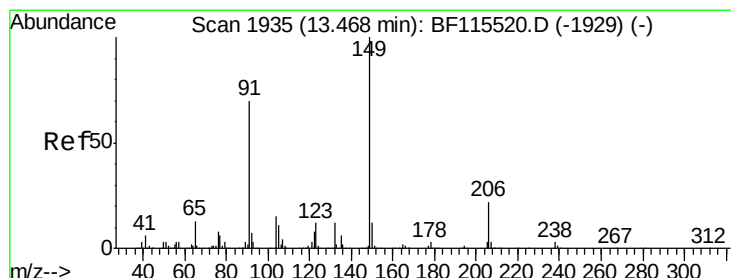
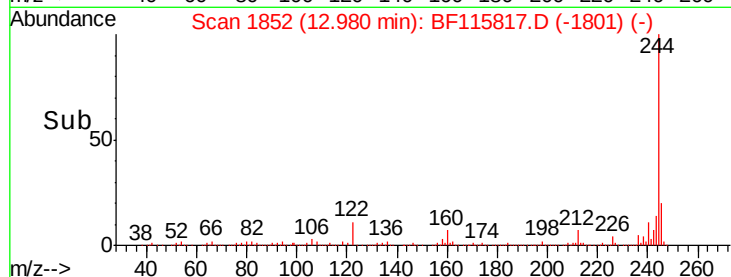
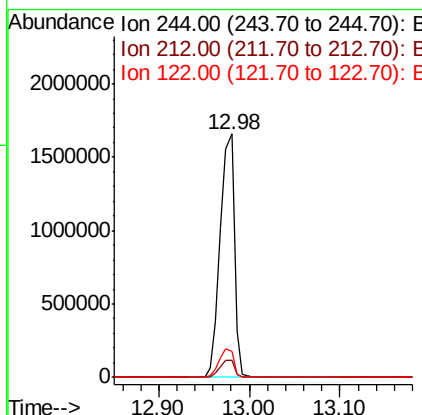
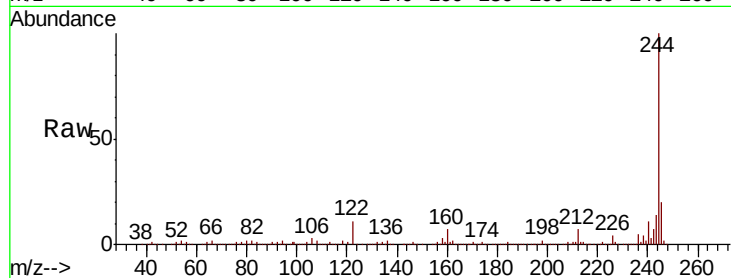
#79
 Terphenyl-d14
 Concen: 72.333 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BF115817.D
 Acq: 27 Jul 2019 9:06

Instrument :
 BNA_F
 ClientSampleId :
 PB121745BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	10.7	8.2	12.4

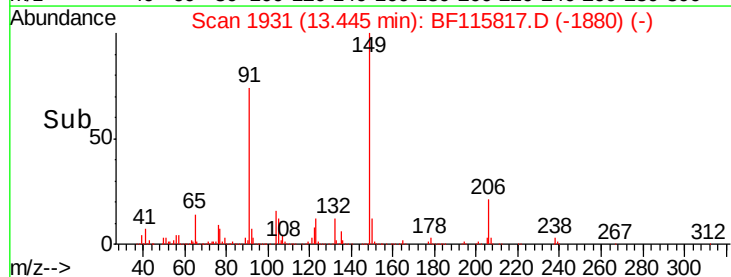
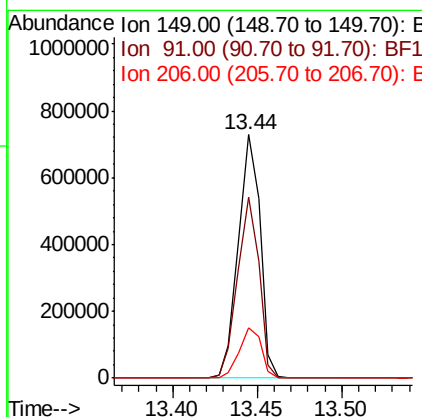
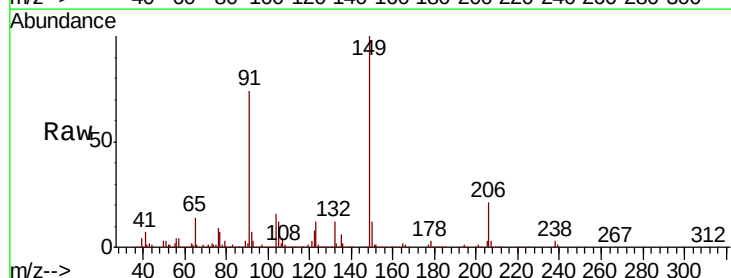
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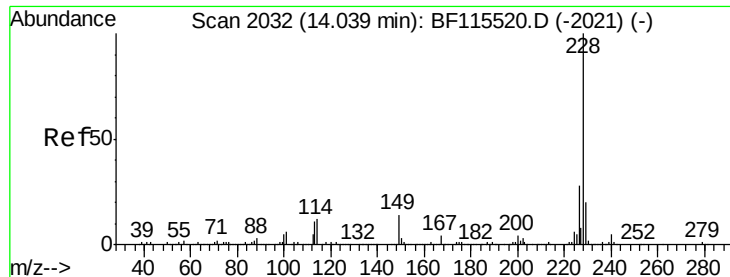
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#80
 Butylbenzylphthalate
 Concen: 39.906 ng
 RT: 13.44 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: BF115817.D
 Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.5	59.8	89.8
206	20.7	16.2	24.4





#81

Benzo(a)anthracene

Concen: 38.404 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

ClientSampleId :

PB121745BS

Tot Ion:228 Resp: 1154903

Ion Ratio Lower Upper

228 100

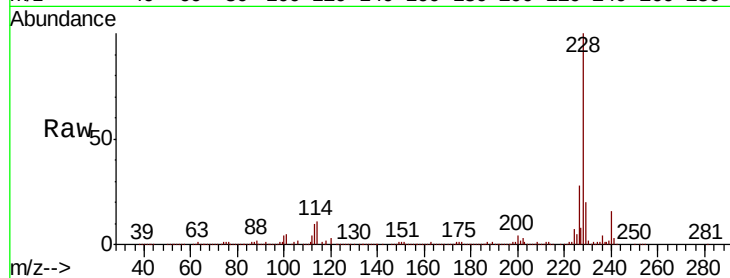
226 28.2 22.2 33.2

229 20.1 16.1 24.1

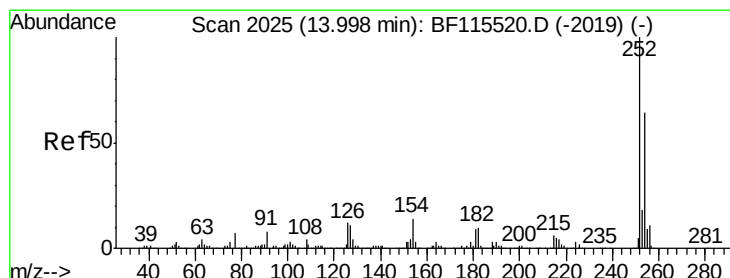
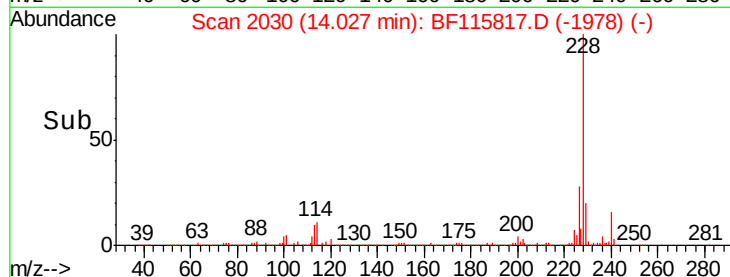
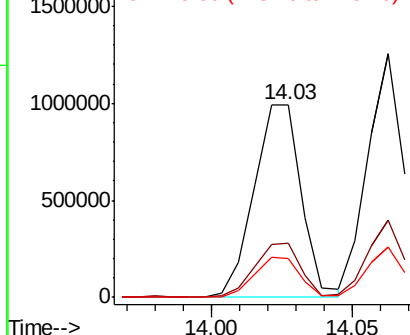
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 32.950 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Tgt Ion:252 Resp: 352262

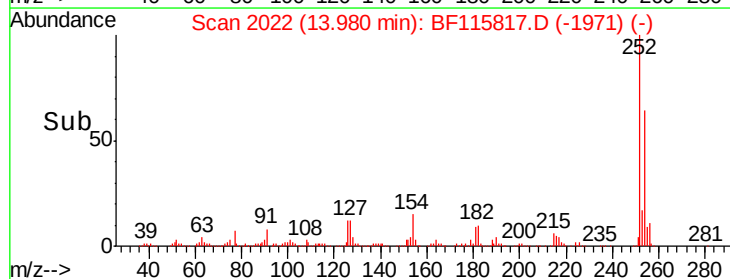
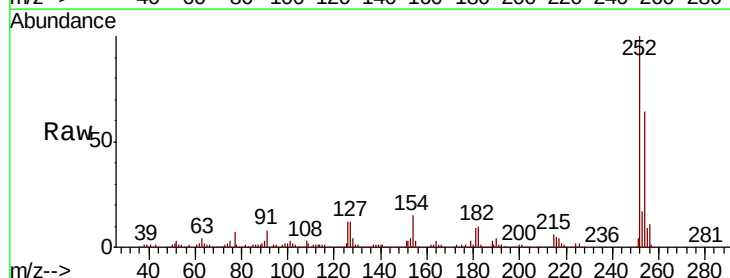
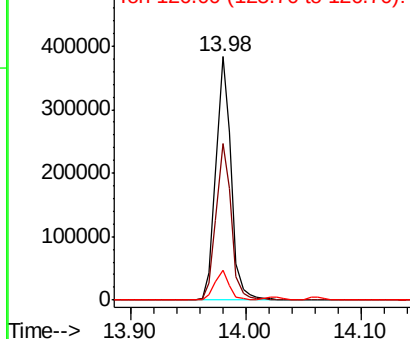
Ion Ratio Lower Upper

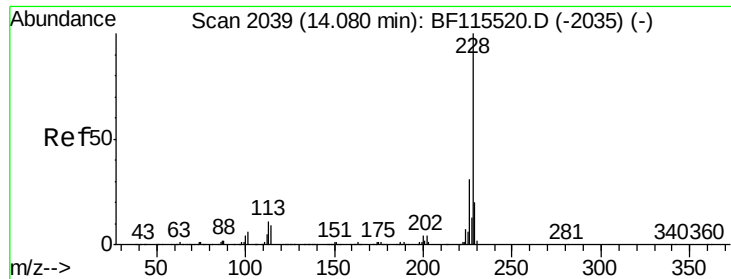
252 100

254 64.1 51.6 77.4

126 12.1 9.9 14.9

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





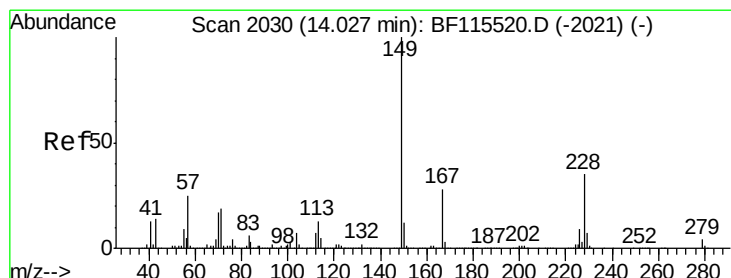
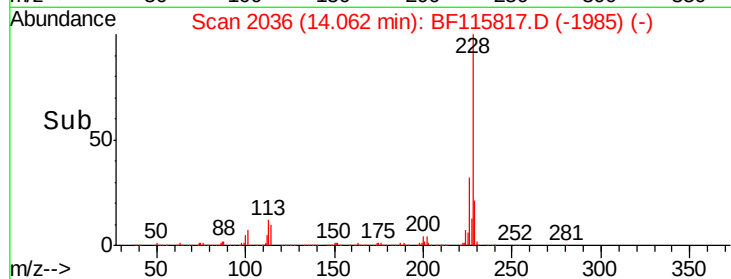
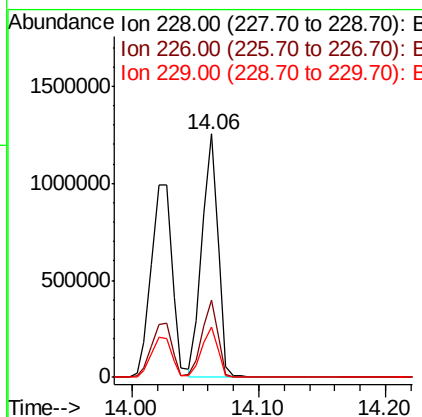
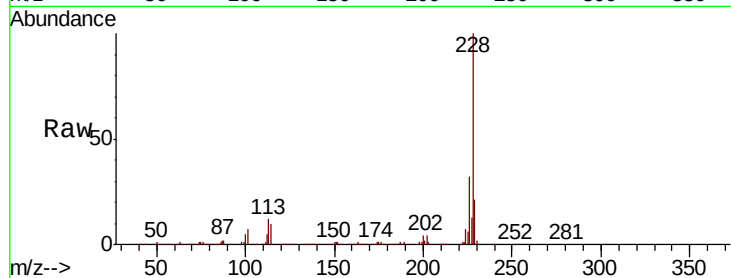
#83
 Chrysene
 Concen: 36.413 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: BF115817.D
 Acq: 27 Jul 2019 9:06

Instrument :
 BNA_F
 ClientSampleId :
 PB121745BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.4
229	20.8	16.2	24.2

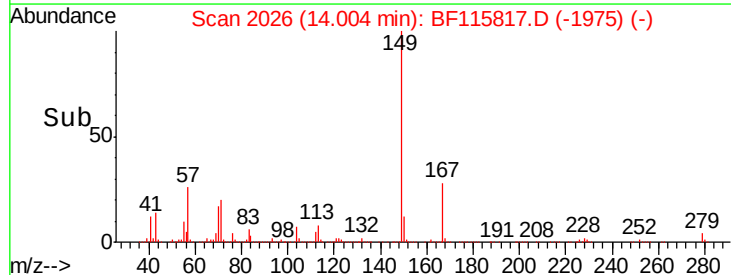
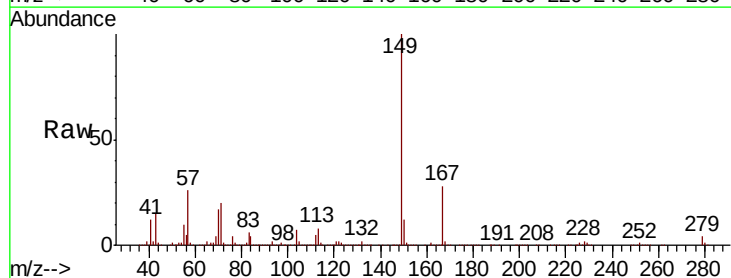
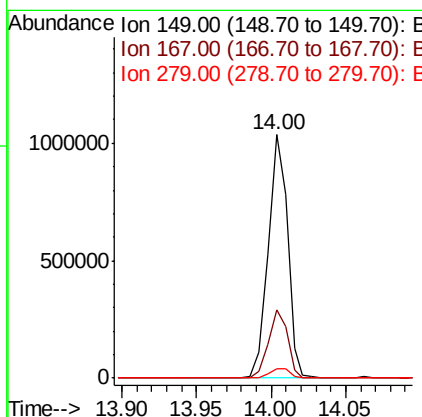
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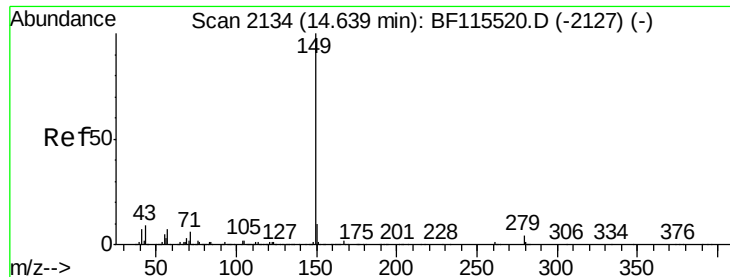
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 45.061 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.00 min
 Lab File: BF115817.D
 Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.5	33.7
279	3.9	3.1	4.7





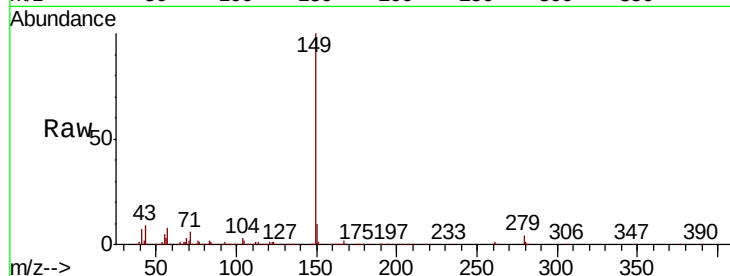
#85
Di-n-octyl phthalate
Concen: 45.303 ng
RT: 14.62 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.1	7.4	11.0

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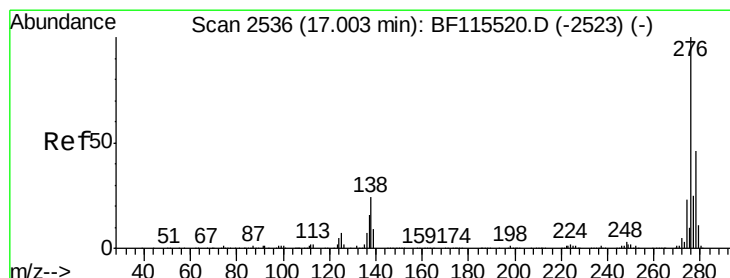
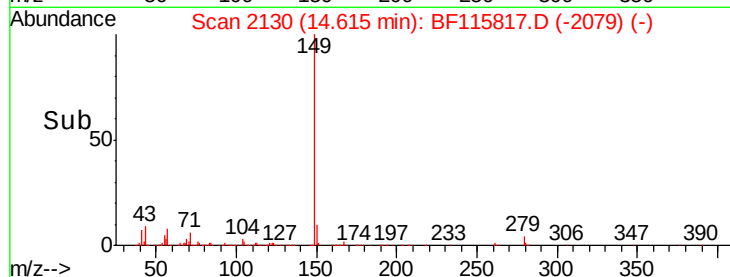
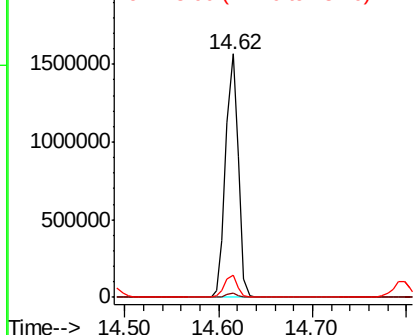


Abundance

Ion 149.00 (148.70 to 149.70): E

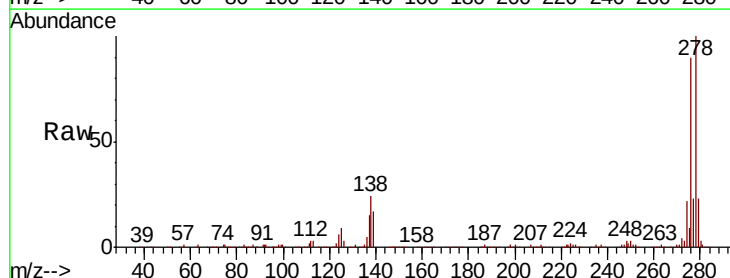
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86
Indeno(1,2,3-cd)pyrene
Concen: 35.868 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.1	30.1
277	25.3	19.8	29.8

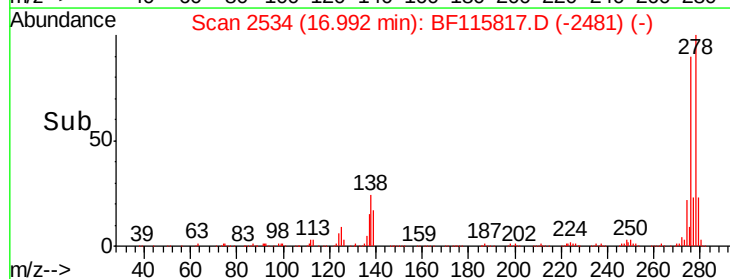
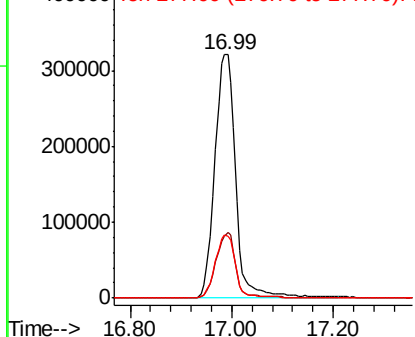


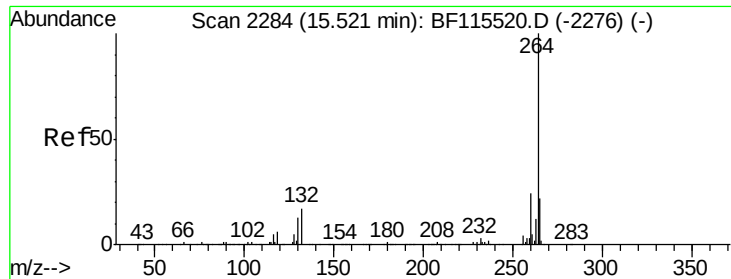
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Instrument :

BNA_F

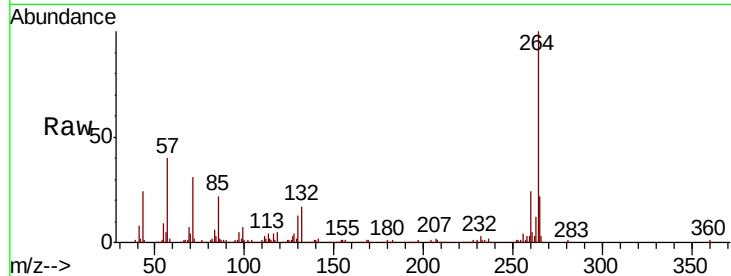
ClientSampleId :

PB121745BS

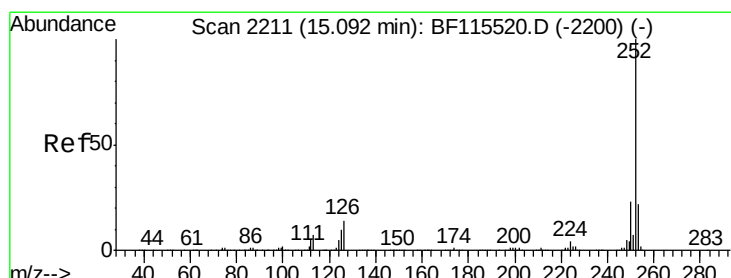
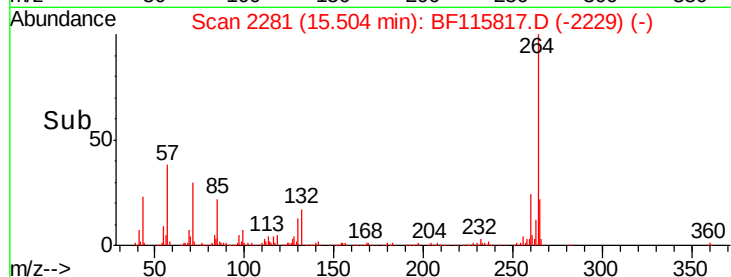
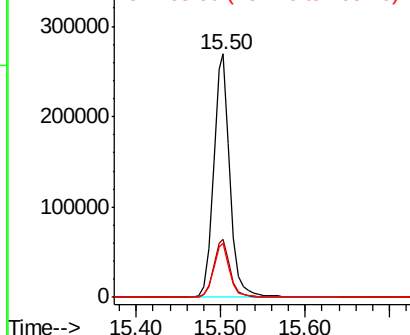
Tot Ion:	264	Resp:	367599
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.8	29.6
265	22.1	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 45.545 ng

RT: 15.07 min Scan# 2208

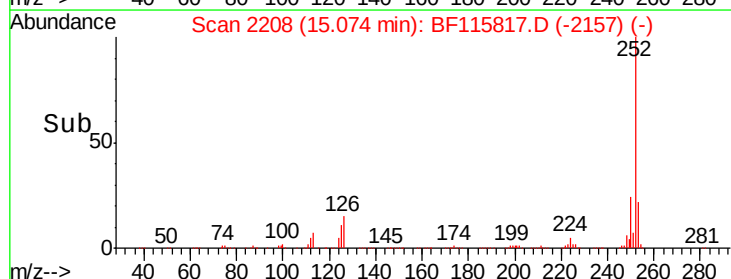
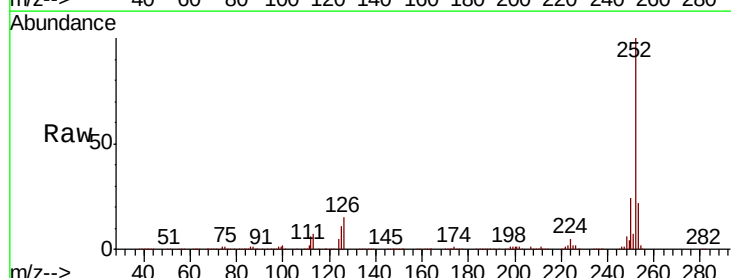
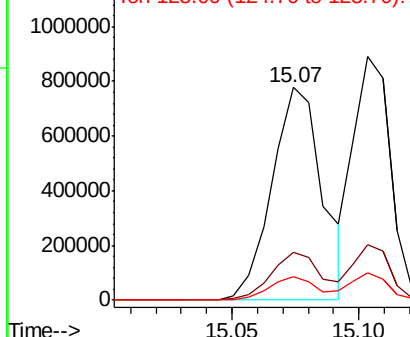
Delta R.T. -0.00 min

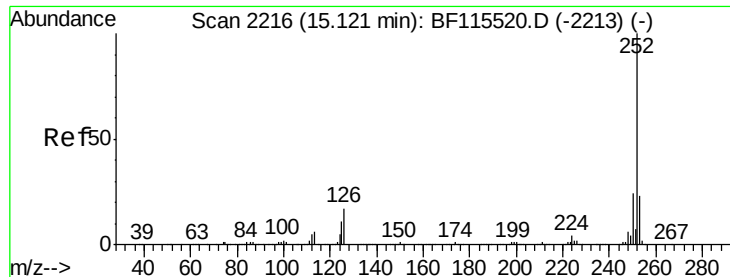
Lab File: BF115817.D

Acq: 27 Jul 2019 9:06

Tgt Ion:	252	Resp:	1078073
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.8
125	10.9	8.4	12.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





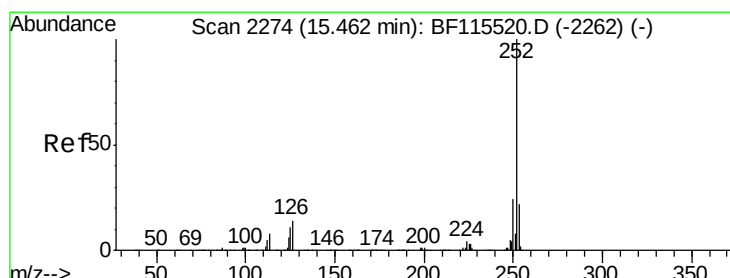
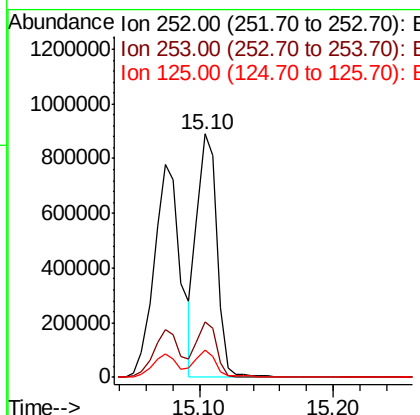
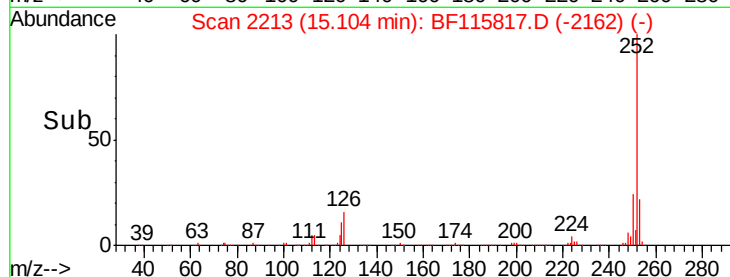
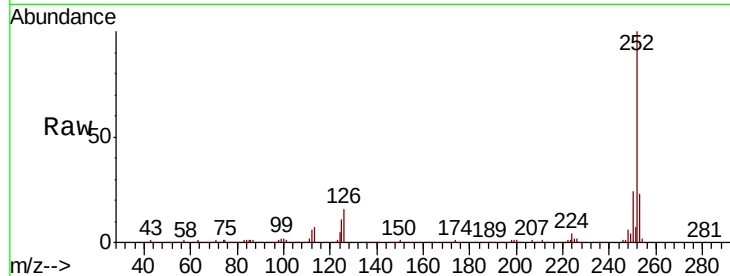
#89
Benzo(k)fluoranthene
Concen: 43.484 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.0	8.6	13.0

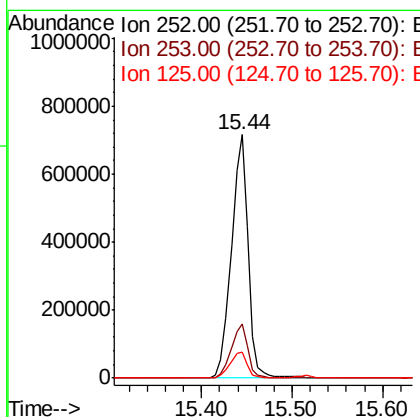
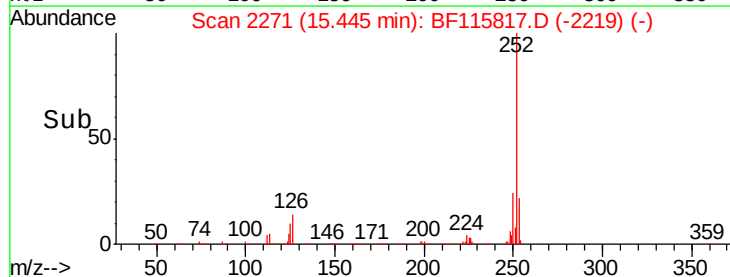
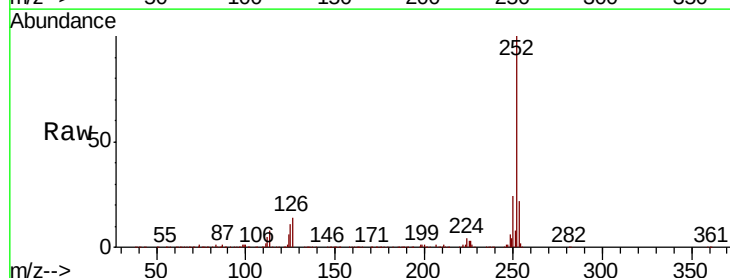
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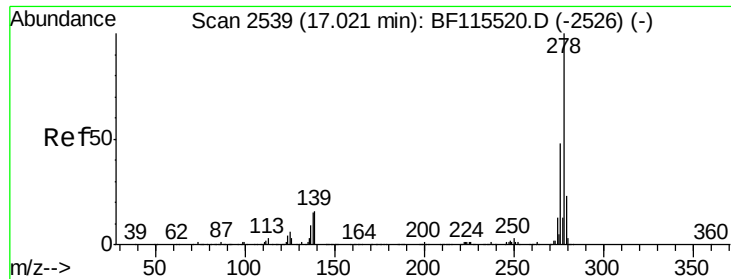
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#90
Benzo(a)pyrene
Concen: 45.346 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	10.9	9.4	14.2





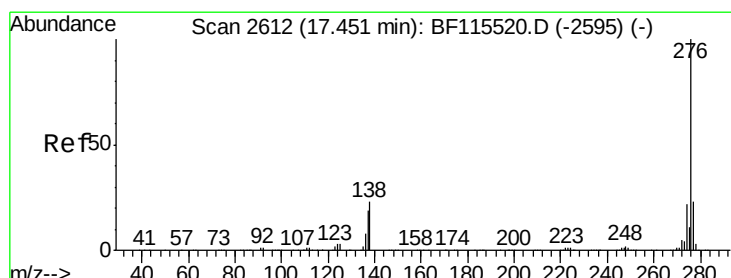
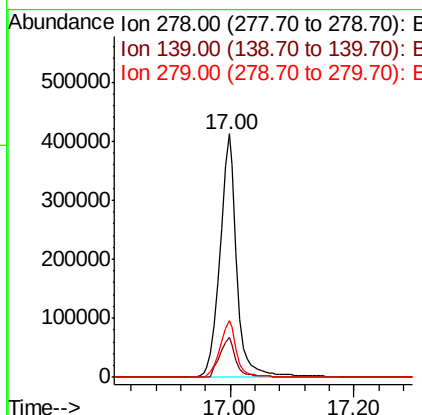
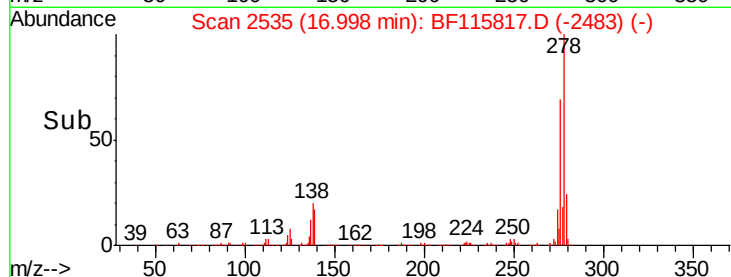
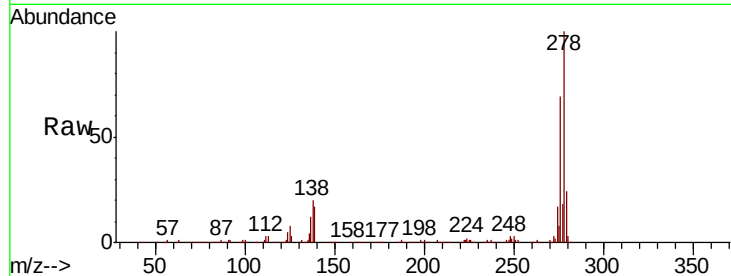
#91
Dibenzo(a,h)anthracene
Concen: 44.034 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.01 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Instrument :
BNA_F
ClientSampleId :
PB121745BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.6	20.4
279	23.5	19.6	29.4

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:45 PM



#92
Benzo(g,h,i)perylene
Concen: 41.723 ng
RT: 17.43 min Scan# 2608
Delta R.T. -0.00 min
Lab File: BF115817.D
Acq: 27 Jul 2019 9:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.1	27.1
138	21.9	16.6	24.8

