

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
 Data File : BF123473.D
 Acq On : 25 Mar 2021 21:28
 Operator : JU/CG
 Sample : M1730-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8A

Quant Time: Mar 26 00:39:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 25 17:06:59 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	247138	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	877693	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	433950	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	627389	20.00	ng	0.00
76) Chrysene-d12	14.086	240	453545	20.00	ng	0.00
86) Perylene-d12	15.580	264	396962	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	626062	41.44	ng	0.00
7) Phenol-d6	6.516	99	774056	38.49	ng	-0.01
23) Nitrobenzene-d5	7.457	82	495171	30.45	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	163240	33.65	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	728526	23.98	ng	0.00
79) Terphenyl-d14	13.021	244	519779	19.42	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.445	77	2666	Below Cal		88
19) n-Nitroso-di-n-propyla...	7.457	70	66244	5.09 ng	#	82
25) Isophorone	7.457	82	492786	14.09 ng	#	65
31) Naphthalene	8.204	128	378132	8.01 ng		99
33) 4-Chloroaniline	8.204	127	48397	2.50 ng	#	32
37) 2-Methylnaphthalene	8.898	142	179289	5.54 ng		96
38) 1-Methylnaphthalene	8.998	142	166816	5.49 ng		95
51) 2,6-Dinitrotoluene	9.945	165	64723	10.05 ng	#	31
52) Acenaphthene	9.975	154	166206	6.24 ng		99
54) 2,4-Dinitrophenol	10.227	184	425	8.77 ng	#	54
55) Dibenzofuran	10.145	168	117485	3.07 ng	#	96
58) Fluorene	10.492	166	185678	6.42 ng		97
65) 4,6-Dinitro-2-methylph...	10.557	198	110	5.15 ng	#	1
71) Phenanthrene	11.463	178	1765018	50.89 ng		100
72) Anthracene	11.510	178	280139	8.03 ng		99
73) Carbazole	11.657	167	147231	4.47 ng		99
75) Fluoranthene	12.657	202	1561023	41.57 ng		99
78) Pyrene	12.886	202	1432505	36.61 ng		99
81) Benzo(a)anthracene	14.074	228	667202	22.48 ng		98
83) Chrysene	14.110	228	656101	21.41 ng		97
87) Indeno(1,2,3-cd)pyrene	17.086	276	175990	7.13 ng		97
88) Benzo(b)fluoranthene	15.145	252	809860	29.57 ng		99
89) Benzo(k)fluoranthene	15.145	252	809860	31.28 ng		99
90) Benzo(a)pyrene	15.515	252	422744	17.88 ng		99
92) Benzo(g,h,i)perylene	17.545	276	143142	6.83 ng		100

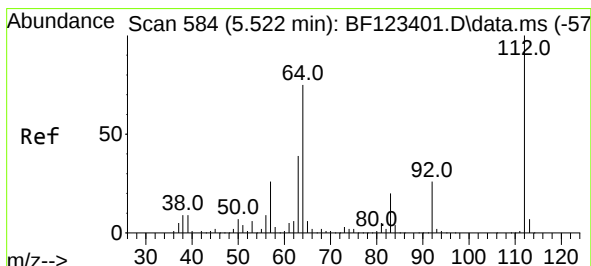
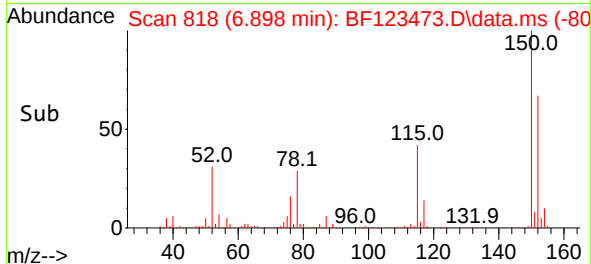
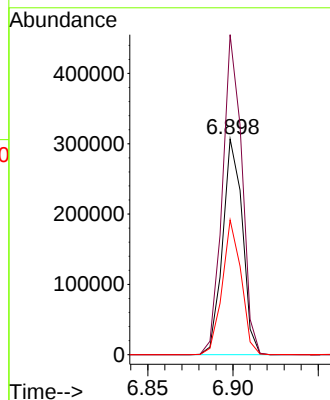
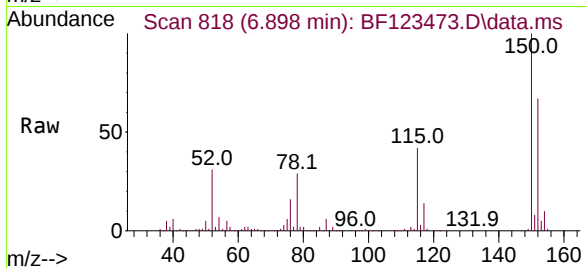
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF123473.D
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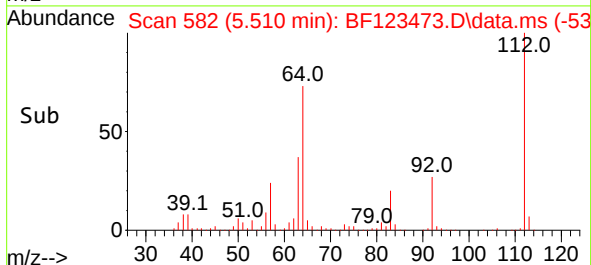
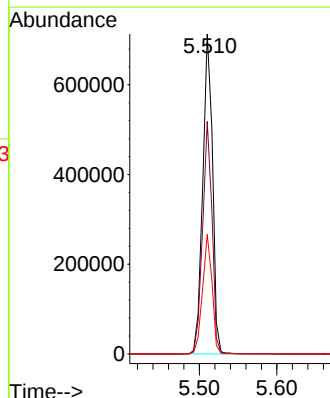
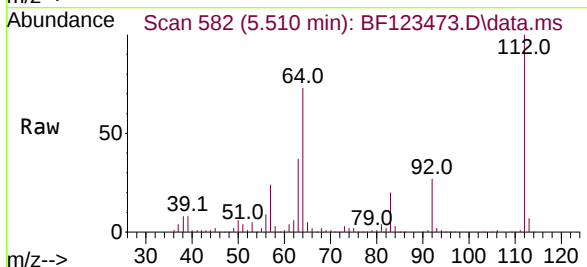
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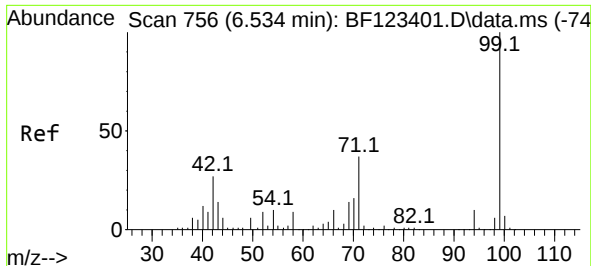
Tgt Ion:152 Resp: 247138
Ion Ratio Lower Upper
152 100
150 148.4 125.8 188.6
115 62.5 49.3 73.9



#5
2-Fluorophenol
Concen: 41.44 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:112 Resp: 626062
Ion Ratio Lower Upper
112 100
64 72.7 46.9 70.3#
63 37.3 24.5 36.7#

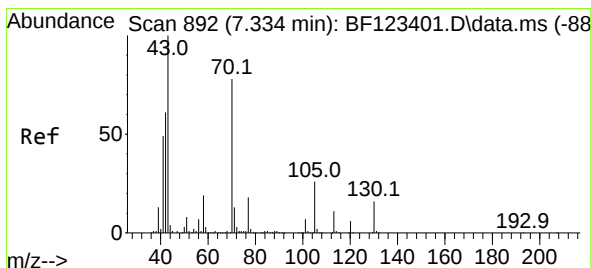
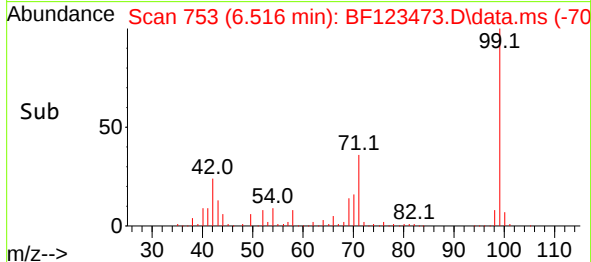
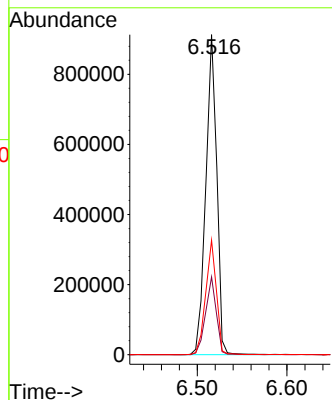
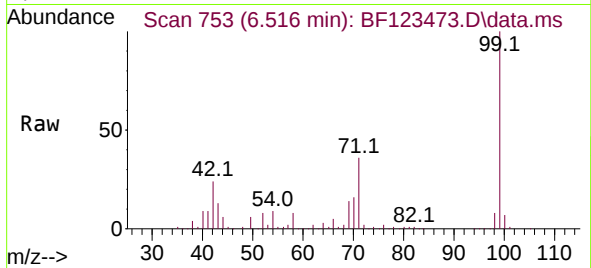




#7
Phenol-d6
Concen: 38.49 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

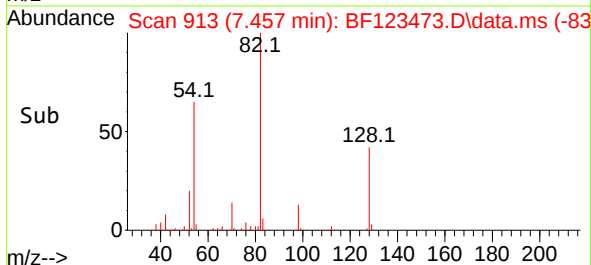
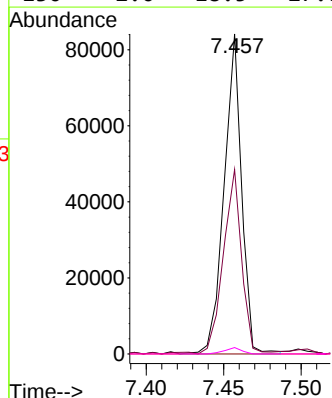
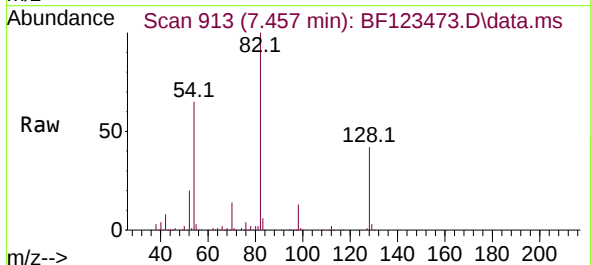
Instrument :
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ClientSampleId :
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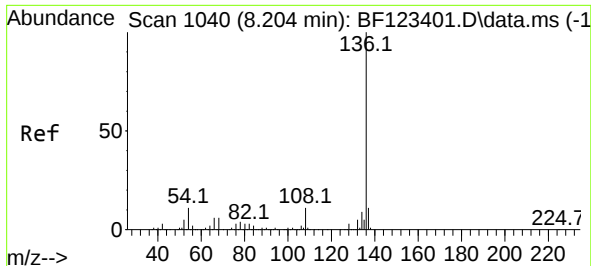
Tgt Ion: 99 Resp: 774056
Ion Ratio Lower Upper
99 100
42 24.3 13.8 20.6#
71 35.8 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.09 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.141 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion: 70 Resp: 66244
Ion Ratio Lower Upper
70 100
42 57.6 43.0 64.4
101 0.0 7.9 11.9#
130 2.0 18.5 27.7#

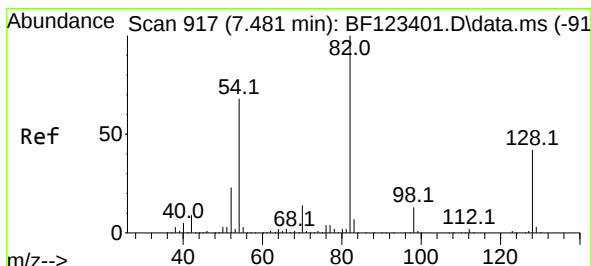
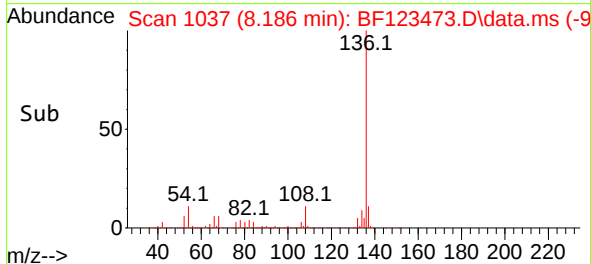
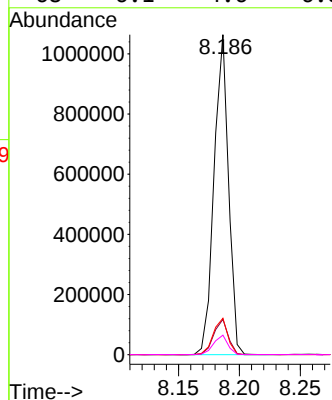
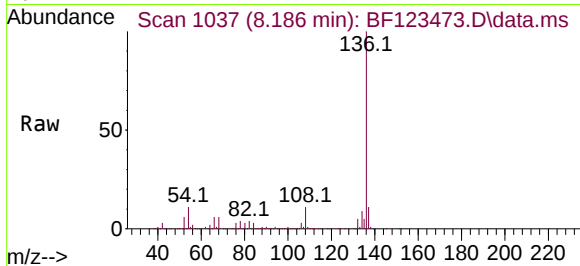




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

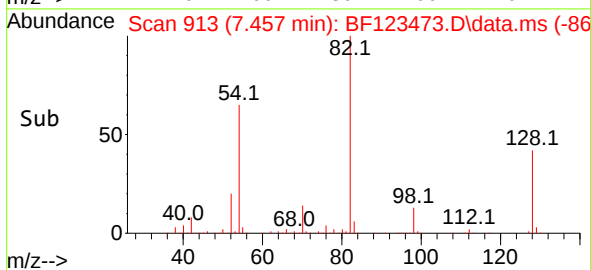
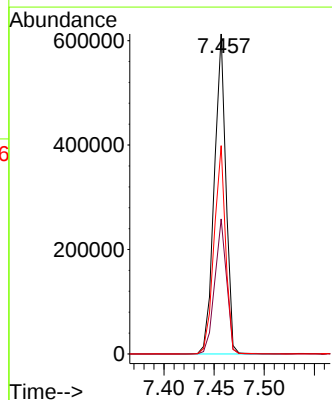
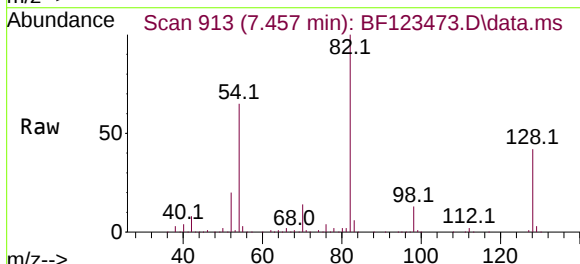
Instrument :
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ClientSampleId :
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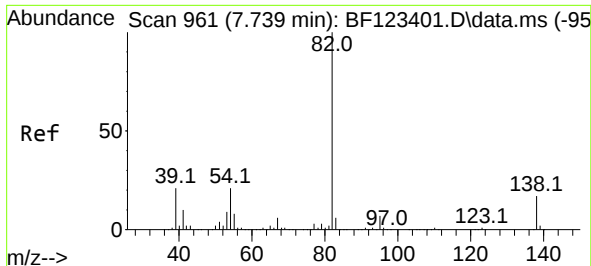
Tgt	Ion:136	Resp:	877693
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	11.4	5.5	8.3#
68	6.1	4.6	6.8



#23
Nitrobenzene-d5
Concen: 30.45 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF123473.D
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Tgt Ion: 82	Resp: 495171
Ion Ratio	Lower Upper
82 100	
128 42.2	37.0 55.4
54 65.1	38.4 57.6#

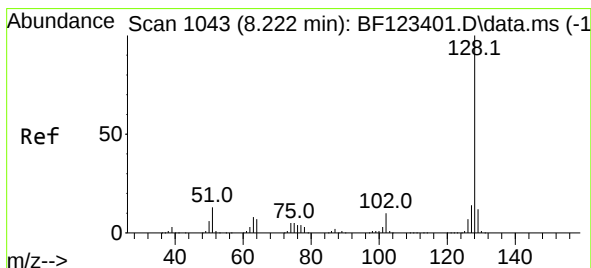
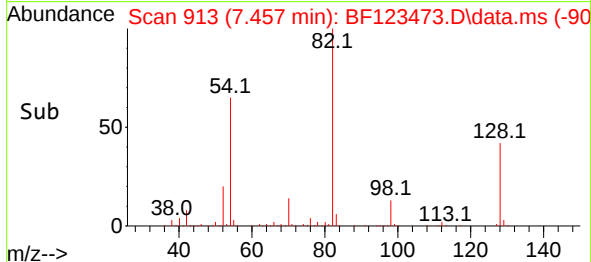
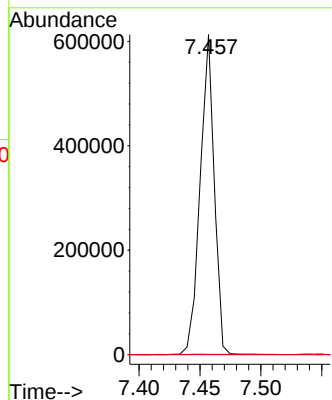
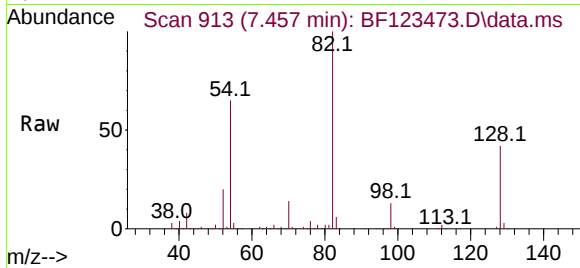




#25
Isophorone
Concen: 14.09 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.265 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

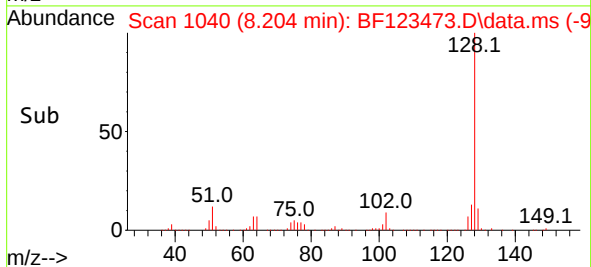
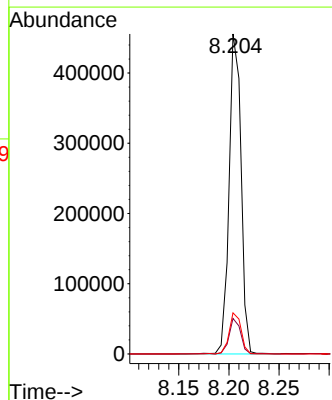
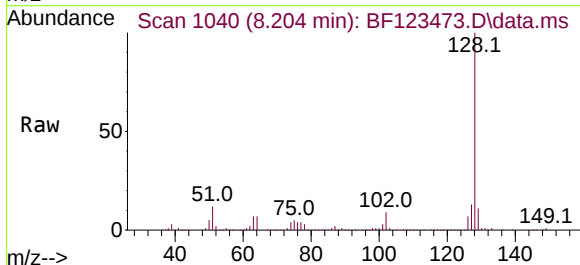
Instrument :
BNA_F
ClientSampleId :
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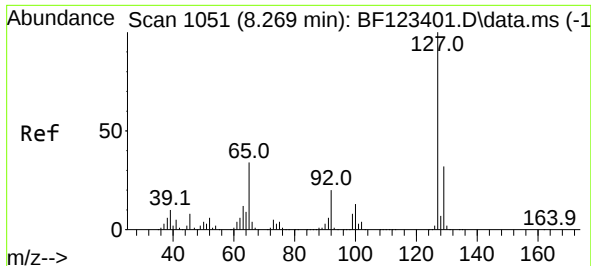
Tgt Ion: 82 Resp: 492786
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#31
Naphthalene
Concen: 8.01 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion: 128 Resp: 378132
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 12.8 10.7 16.1

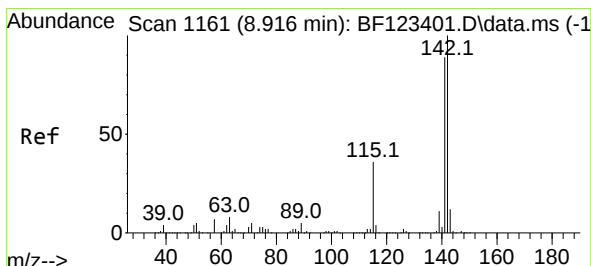
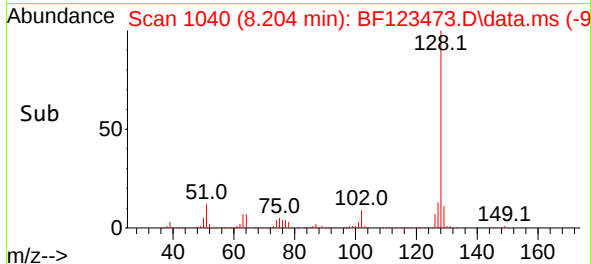
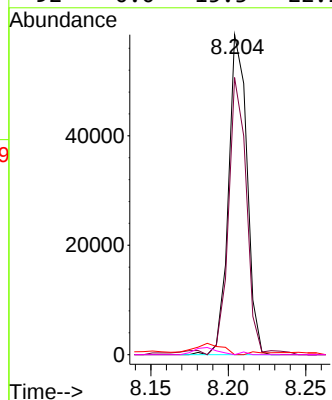
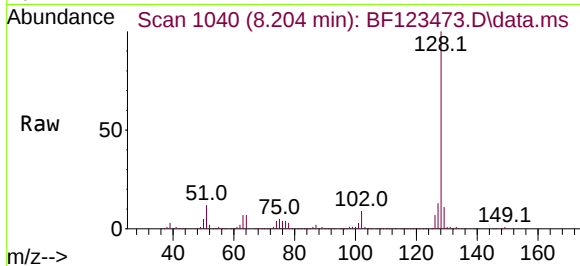




#33
4-Chloroaniline
Concen: 2.50 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.047 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

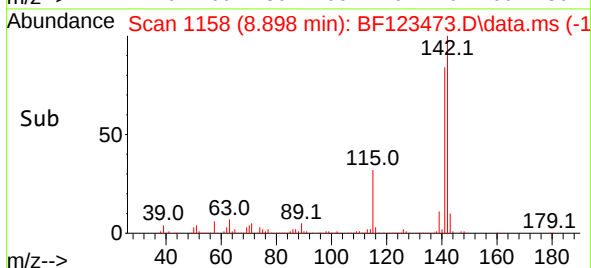
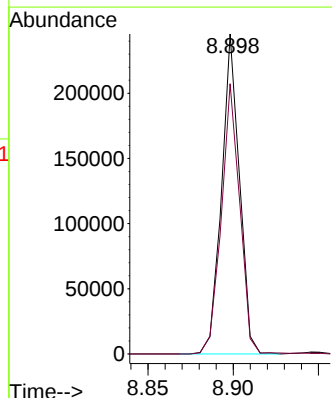
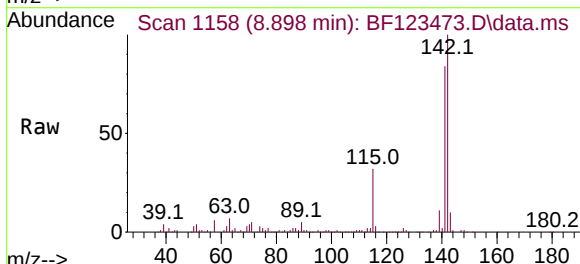
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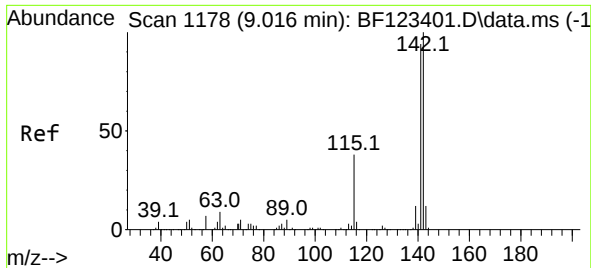
Tgt Ion:	127	Resp:	48397
Ion Ratio	Lower	Upper	
127	100		
129	86.6	26.2	39.2#
65	0.0	22.2	33.2#
92	0.0	15.3	22.9#



#37
2-Methylnaphthalene
Concen: 5.54 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:	142	Resp:	179289
Ion Ratio	Lower	Upper	
142	100		
141	84.5	70.6	106.0

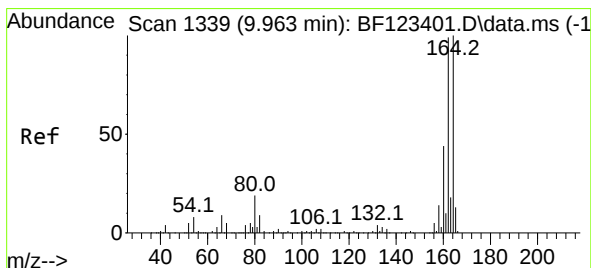
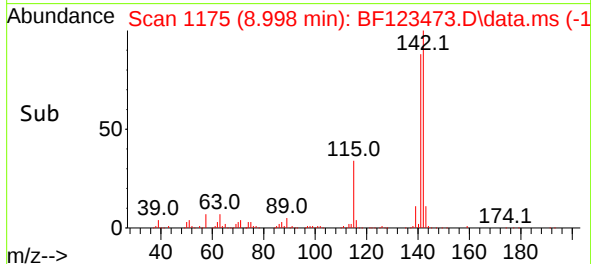
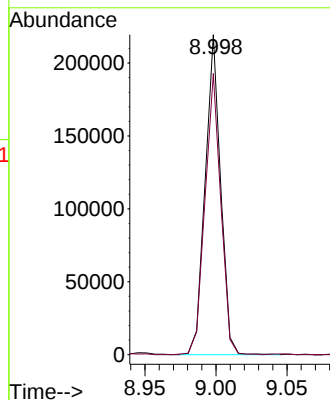
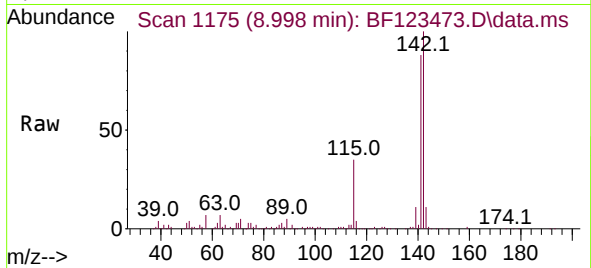




#38
1-Methylnaphthalene
Concen: 5.49 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

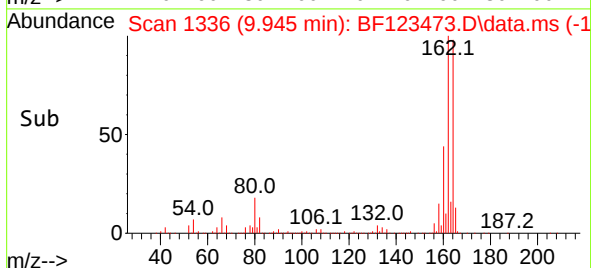
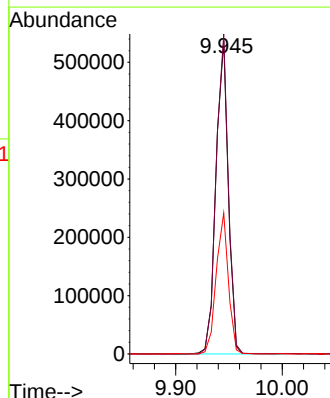
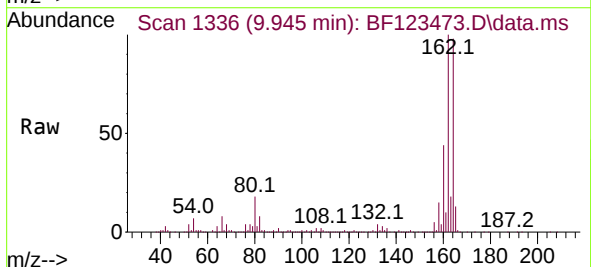
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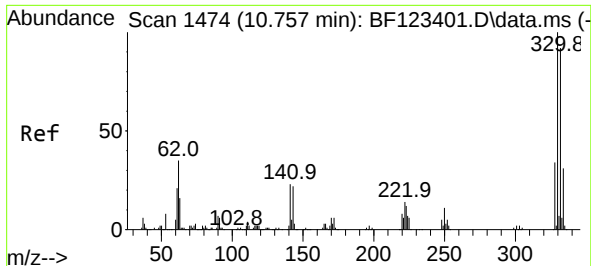
Tgt Ion:142 Resp: 166816
Ion Ratio Lower Upper
142 100
141 87.9 74.5 111.7



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:164 Resp: 433950
Ion Ratio Lower Upper
164 100
162 102.1 80.8 121.2
160 45.0 35.4 53.0

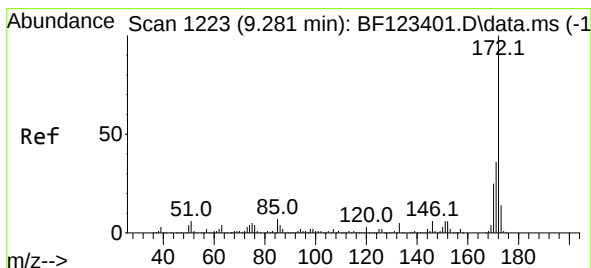
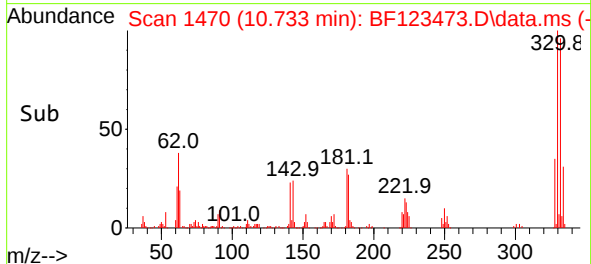
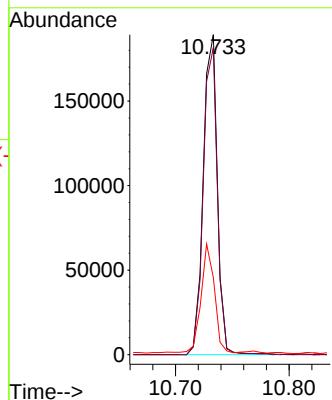
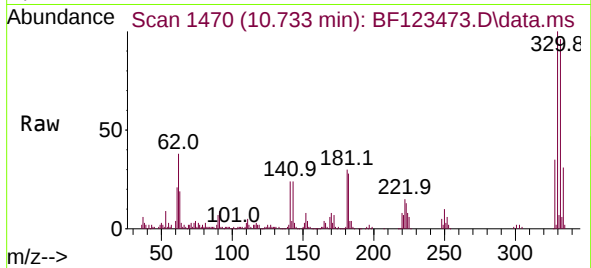




#42
2,4,6-Tribromophenol
Concen: 33.65 ng
RT: 10.733 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

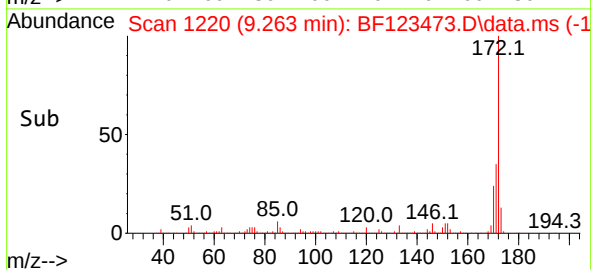
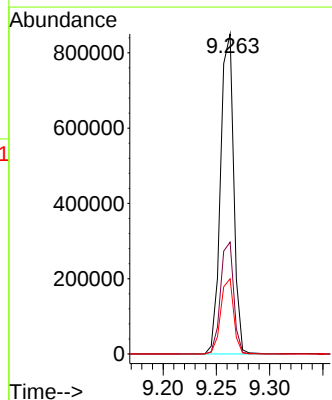
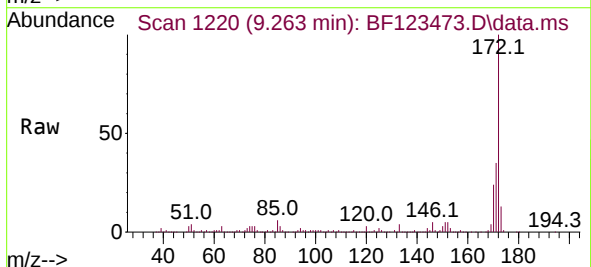
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ClientSampleId :
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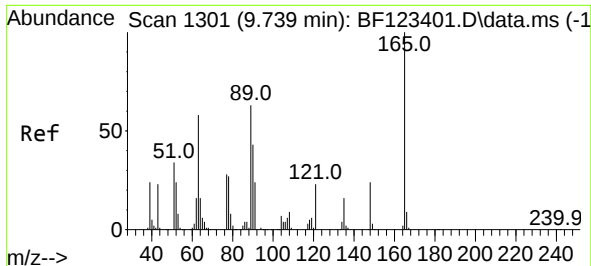
Tgt Ion:330 Resp: 163240
Ion Ratio Lower Upper
330 100
332 96.2 77.5 116.3
141 32.6 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 23.98 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:172 Resp: 728526
Ion Ratio Lower Upper
172 100
171 34.9 29.6 44.4
170 23.5 19.5 29.3

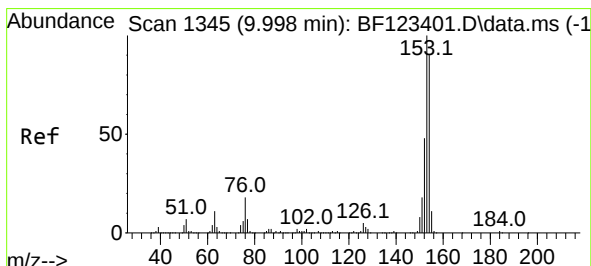
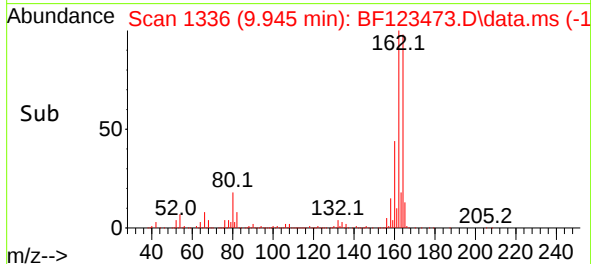
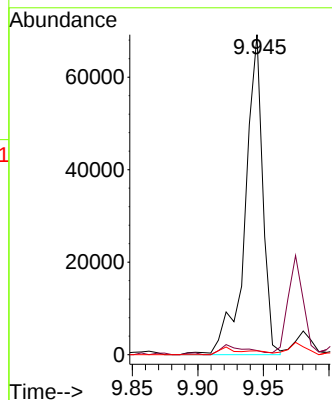
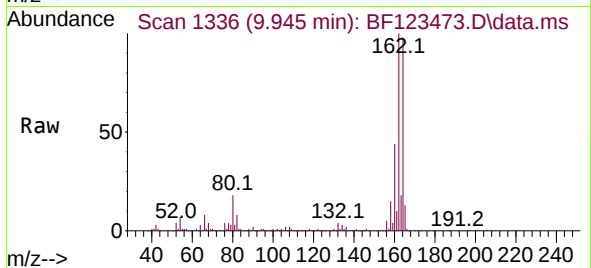




#51
2,6-Dinitrotoluene
Concen: 10.05 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.223 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

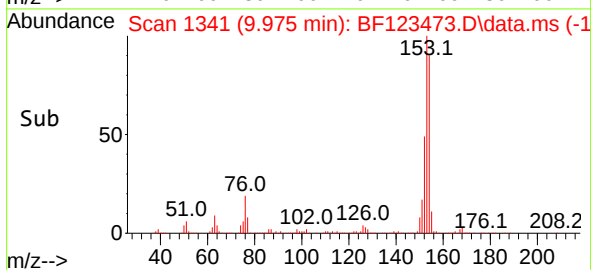
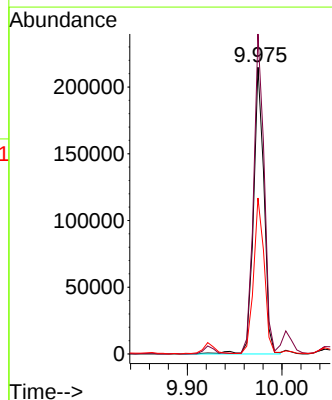
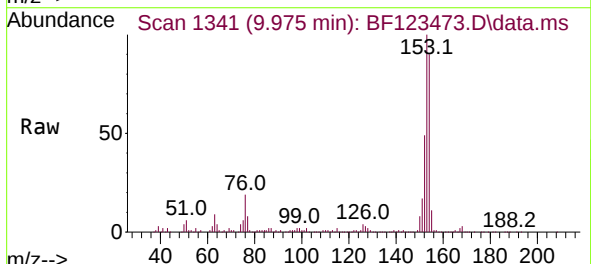
Instrument :
BNA_F
ClientSampled :
TP-8A

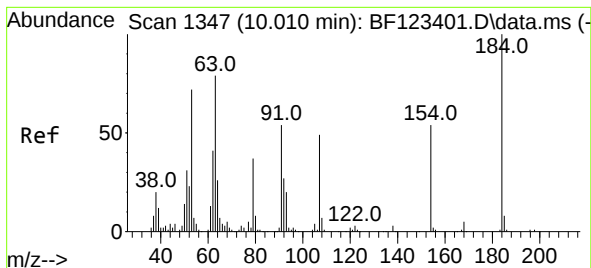
Tgt Ion:165 Resp: 64723
Ion Ratio Lower Upper
165 100
63 1.3 36.6 55.0#
89 1.2 39.4 59.0#



#52
Acenaphthene
Concen: 6.24 ng
RT: 9.975 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:154 Resp: 166206
Ion Ratio Lower Upper
154 100
153 111.6 89.0 133.6
152 54.4 42.7 64.1

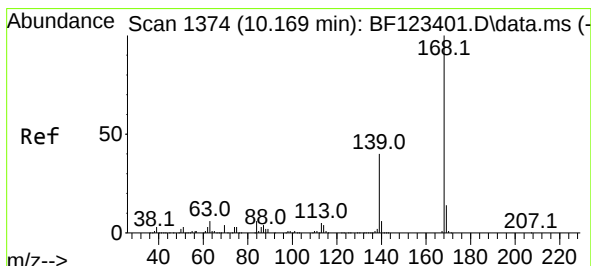
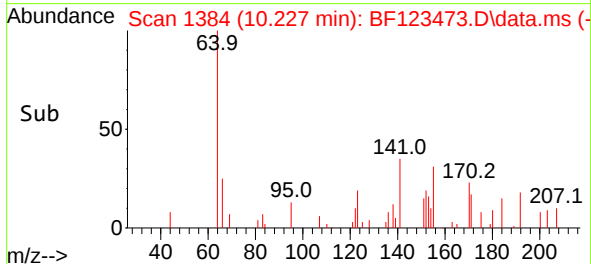
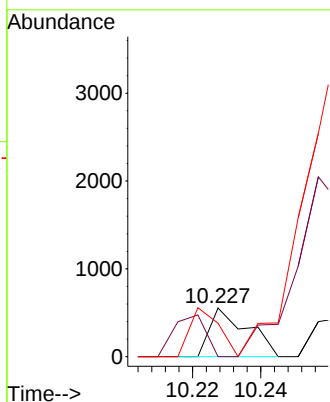
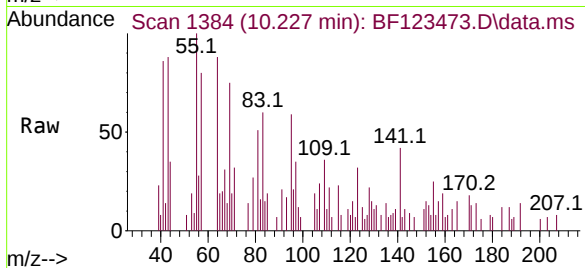




#54
2,4-Dinitrophenol
Concen: 8.77 ng
RT: 10.227 min Scan# 1384
Delta R.T. 0.235 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

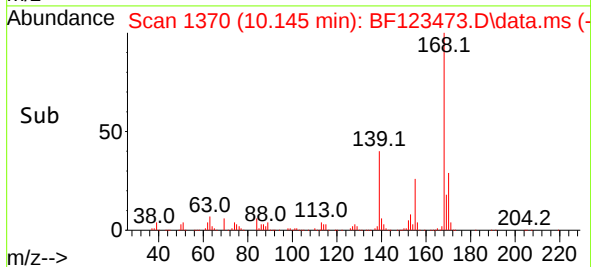
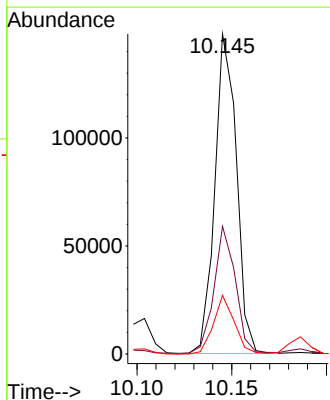
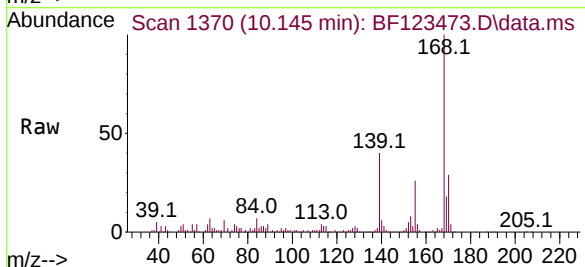
Instrument :
BNA_F
ClientSampleId :
TP-8A

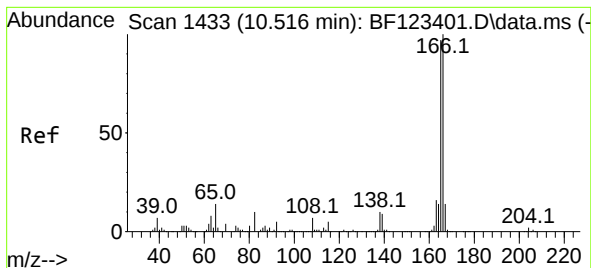
Tgt Ion:184 Resp: 425
Ion Ratio Lower Upper
184 100
63 0.0 51.4 77.2#
154 68.8 49.7 74.5



#55
Dibenzofuran
Concen: 3.07 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:168 Resp: 117485
Ion Ratio Lower Upper
168 100
139 39.9 31.3 46.9
169 18.3 11.2 16.8#





#58

Fluorene

Concen: 6.42 ng

RT: 10.492 min Scan# 1429

Delta R.T. -0.006 min

Lab File: BF123473.D

Acq: 25 Mar 2021 21:28

Tgt Ion:166 Resp: 185678

Ion Ratio Lower Upper

166 100

165 96.1 79.4 119.0

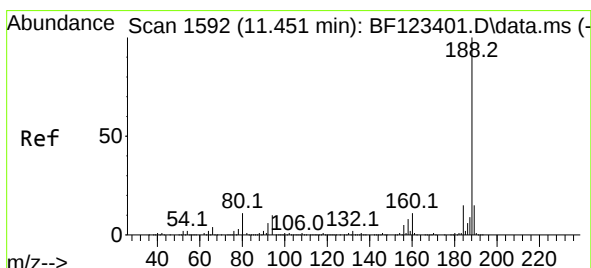
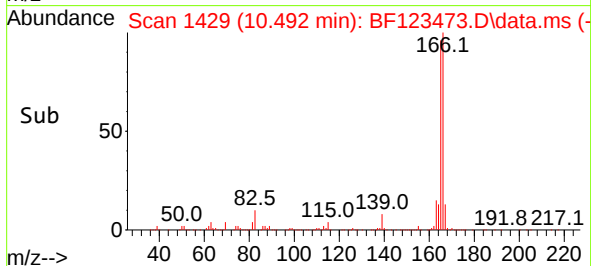
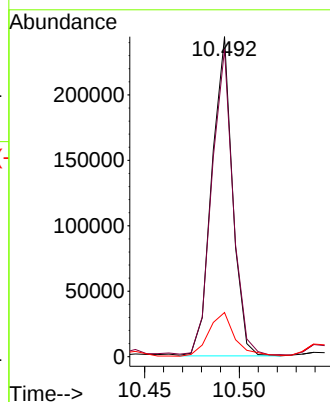
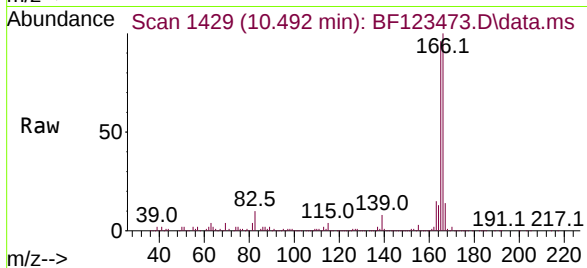
167 13.8 10.9 16.3

Instrument :

BNA_F

ClientSampleId :

TP-8A



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.000 min

Lab File: BF123473.D

Acq: 25 Mar 2021 21:28

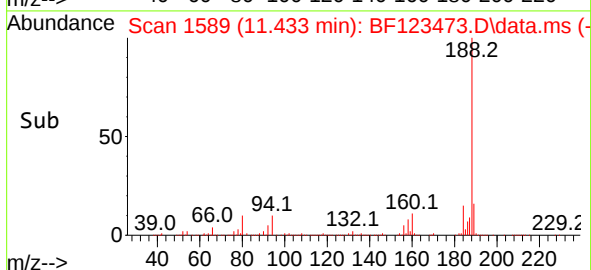
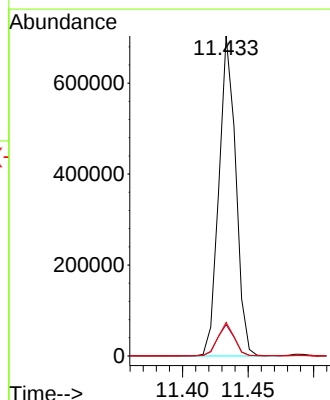
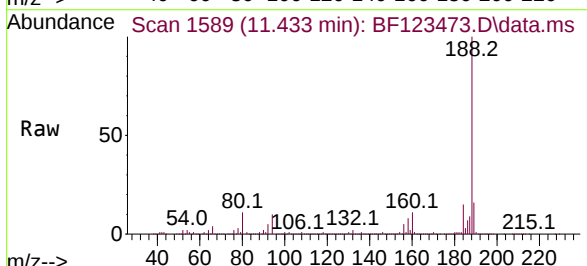
Tgt Ion:188 Resp: 627389

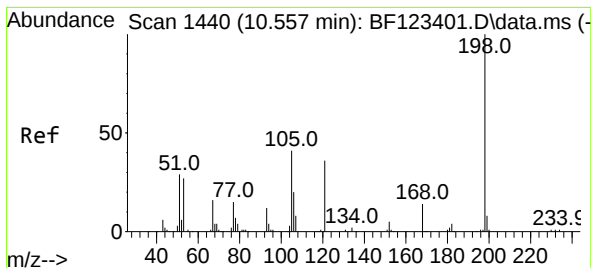
Ion Ratio Lower Upper

188 100

94 9.8 7.4 11.2

80 10.5 8.2 12.4

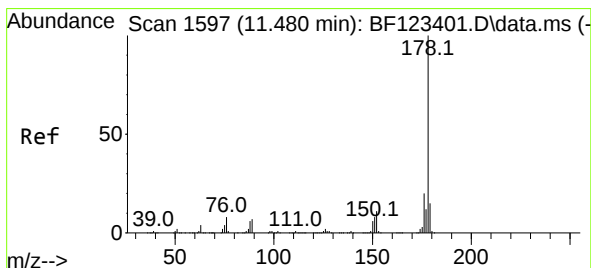
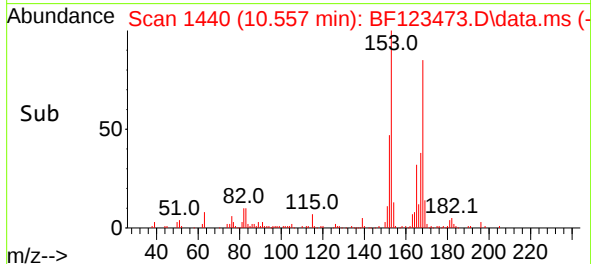
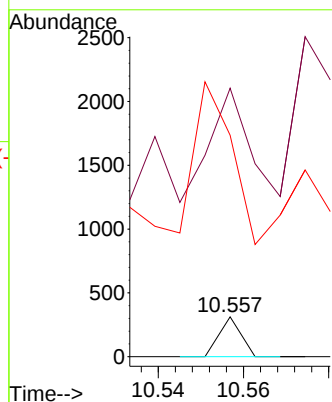
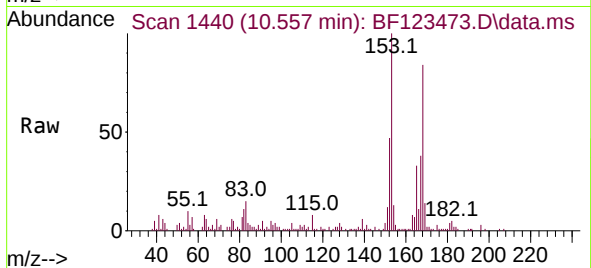




#65
4,6-Dinitro-2-methylphenol
Concen: 5.15 ng
RT: 10.557 min Scan# 1440
Delta R.T. 0.023 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

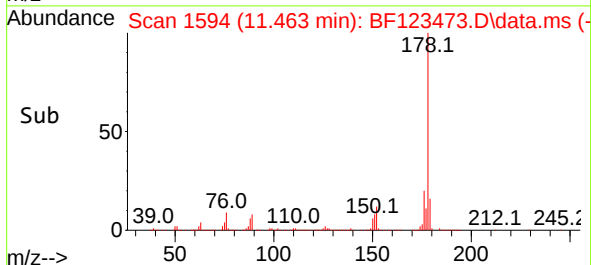
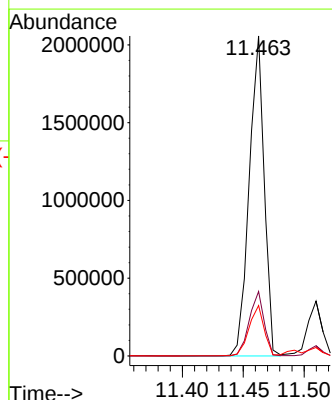
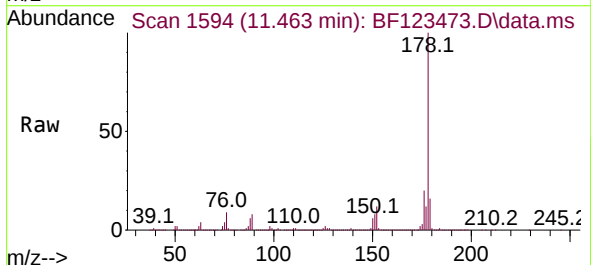
Instrument :
BNA_F
ClientSampled :
TP-8A

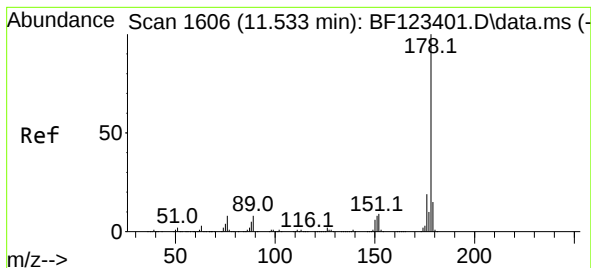
Tgt Ion:198 Resp: 110
Ion Ratio Lower Upper
198 100
51 674.4 20.3 60.3#
105 556.4 23.0 63.0#



#71
Phenanthrene
Concen: 50.89 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:178 Resp: 1765018
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.2
179 15.8 12.7 19.1





#72

Anthracene

Concen: 8.03 ng

RT: 11.510 min Scan# 1602

Delta R.T. -0.000 min

Lab File: BF123473.D

Acq: 25 Mar 2021 21:28

Tgt Ion:178 Resp: 280139

Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

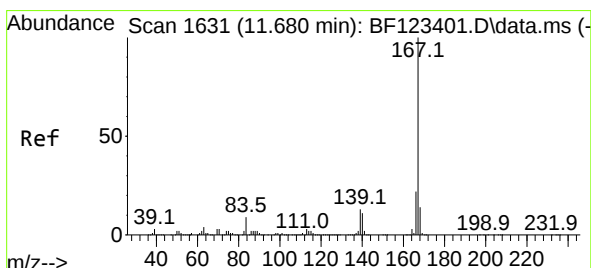
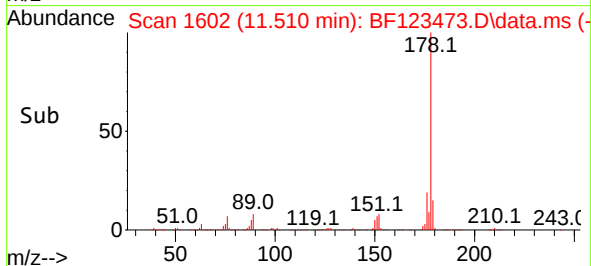
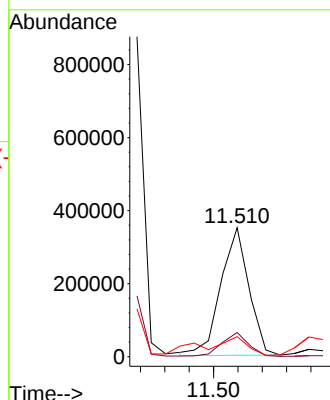
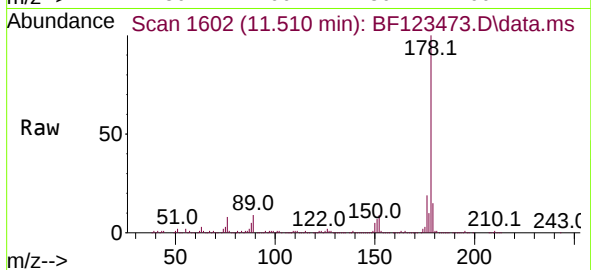
179 15.5 12.8 19.2

Instrument :

BNA_F

ClientSampleId :

TP-8A



#73

Carbazole

Concen: 4.47 ng

RT: 11.657 min Scan# 1627

Delta R.T. -0.006 min

Lab File: BF123473.D

Acq: 25 Mar 2021 21:28

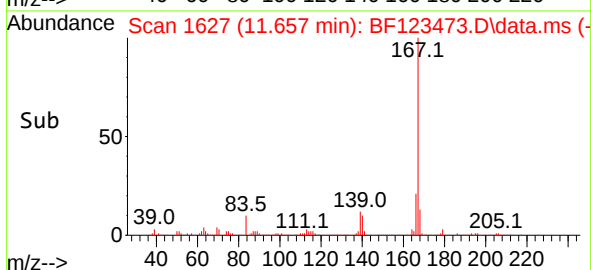
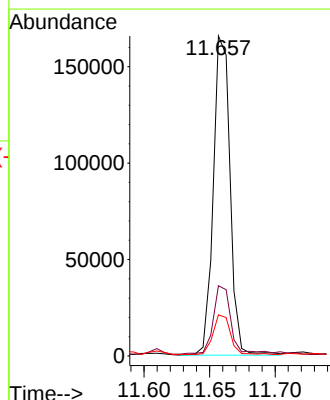
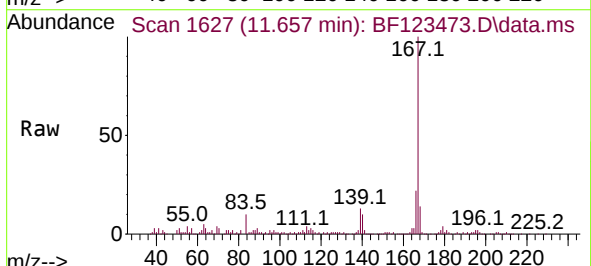
Tgt Ion:167 Resp: 147231

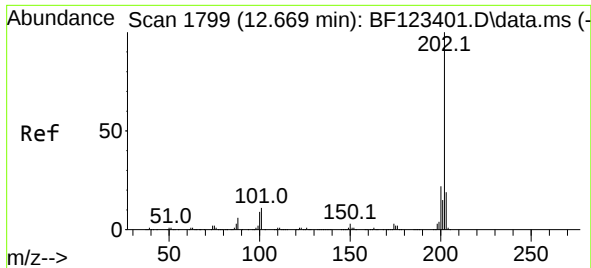
Ion Ratio Lower Upper

167 100

166 21.9 18.0 27.0

139 12.9 10.9 16.3

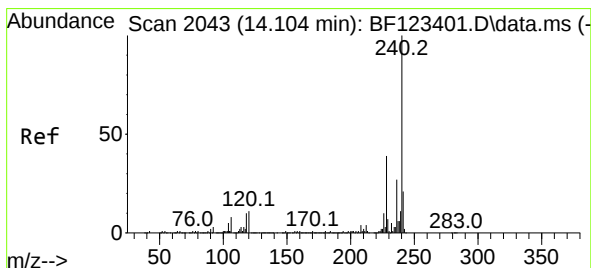
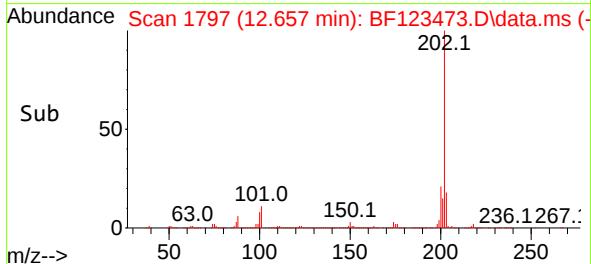
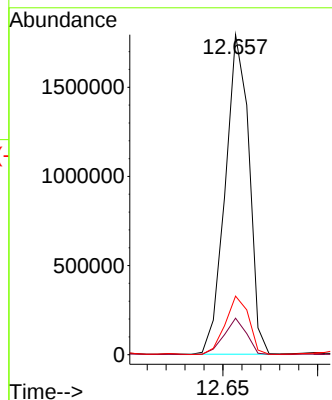
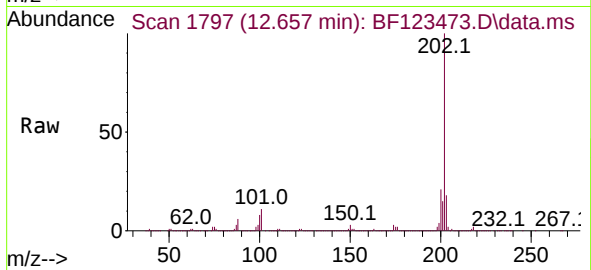




#75
Fluoranthene
Concen: 41.57 ng
RT: 12.657 min Scan# 1797
Delta R.T. 0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

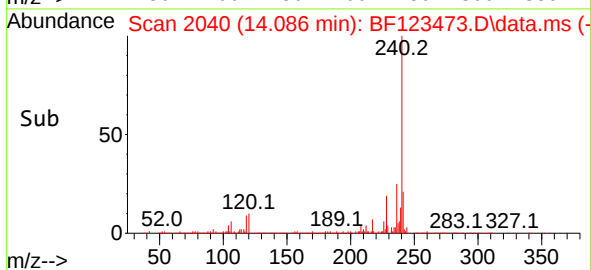
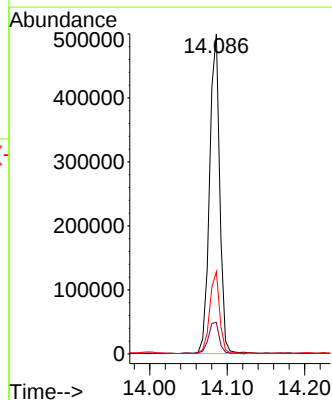
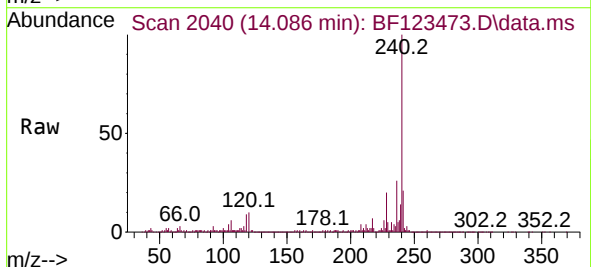
Instrument :
BNA_F
ClientSampleId :
TP-8A

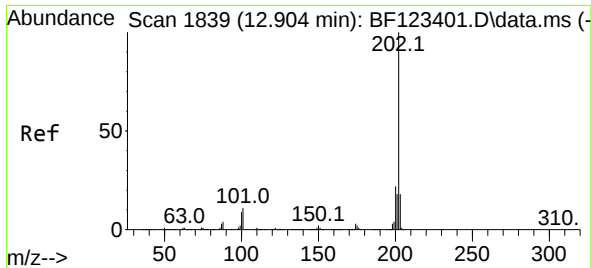
Tgt Ion:202 Resp: 1561023
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.2
203 18.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:240 Resp: 453545
Ion Ratio Lower Upper
240 100
120 9.9 8.6 12.8
236 25.7 20.3 30.5

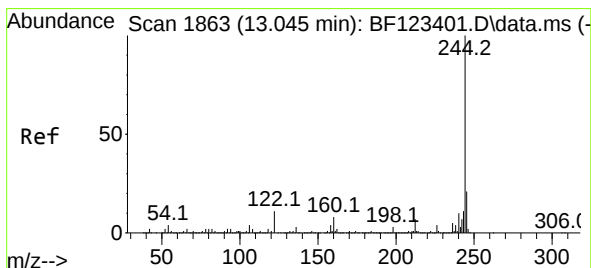
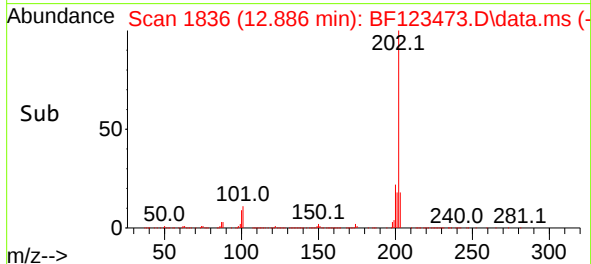
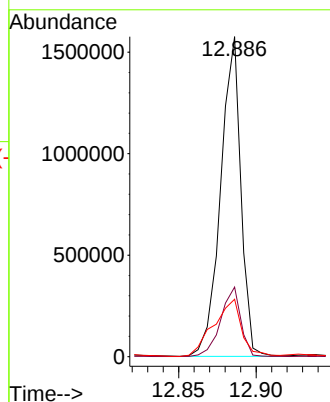
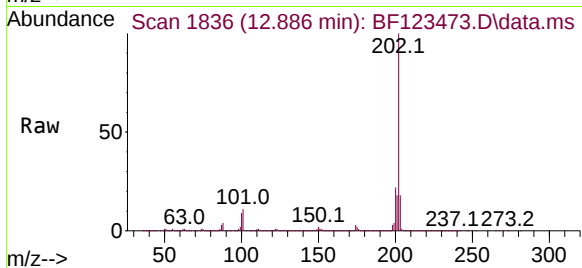




#78
 Pyrene
 Concen: 36.61 ng
 RT: 12.886 min Scan# 1836
 Delta R.T. 0.006 min
 Lab File: BF123473.D
 Acq: 25 Mar 2021 21:28

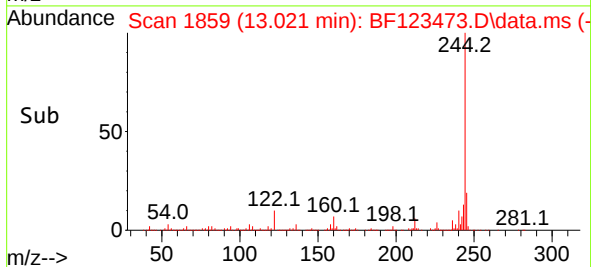
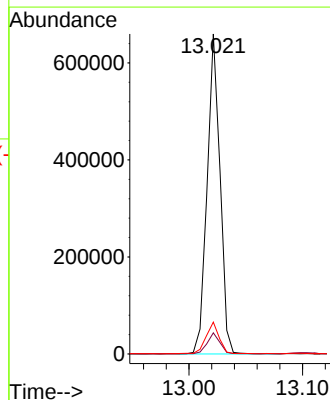
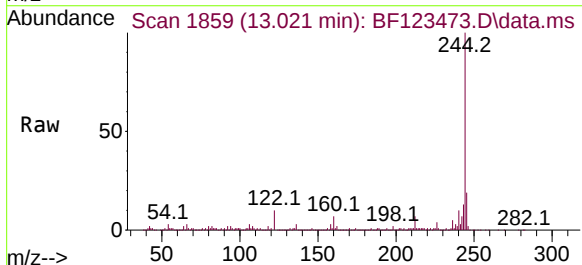
Instrument :
 BNA_F
 ClientSampled :
 TP-8A

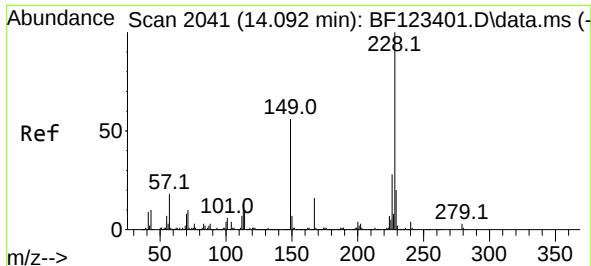
Tgt Ion:202	Resp: 1432505		
Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	18.0	14.6	21.8



#79
 Terphenyl-d14
 Concen: 19.42 ng
 RT: 13.021 min Scan# 1859
 Delta R.T. -0.000 min
 Lab File: BF123473.D
 Acq: 25 Mar 2021 21:28

Tgt Ion:244	Resp: 519779
Ion Ratio	Lower Upper
244 100	
212 6.6	5.7 8.5
122 10.0	8.3 12.5

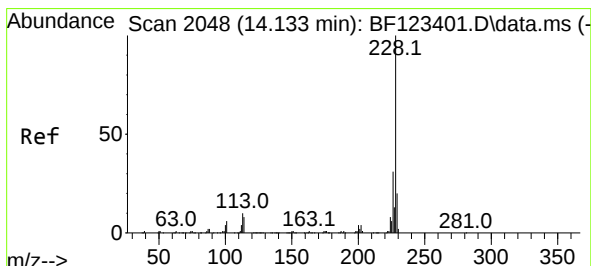
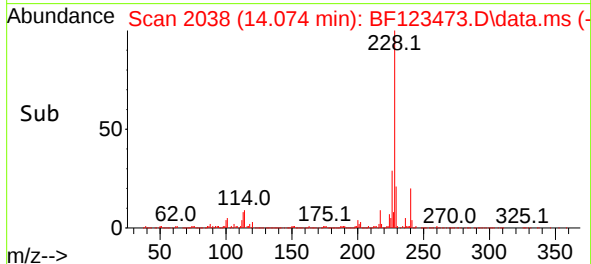
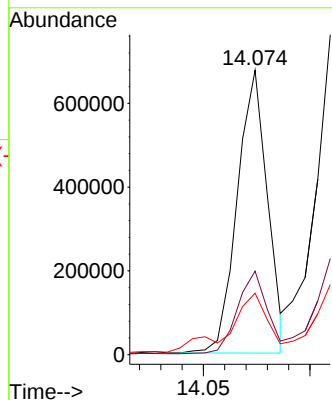
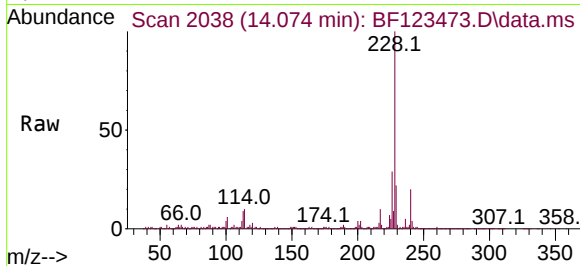




#81
Benzo(a)anthracene
Concen: 22.48 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

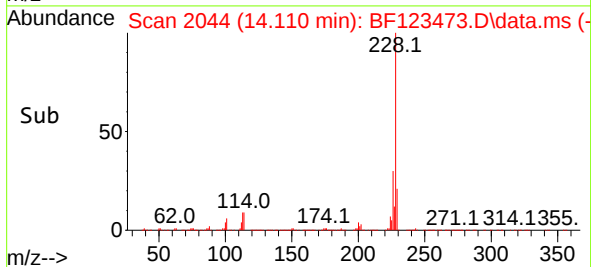
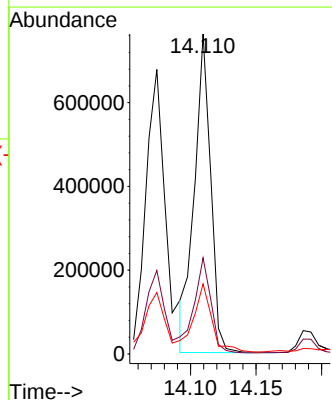
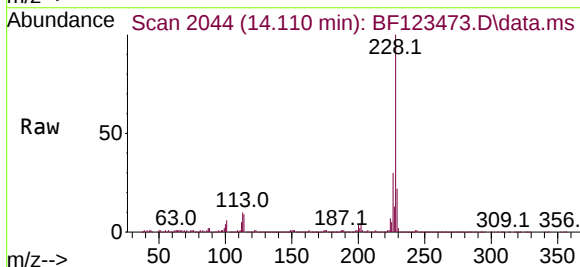
Instrument :
BNA_F
ClientSampleId :
TP-8A

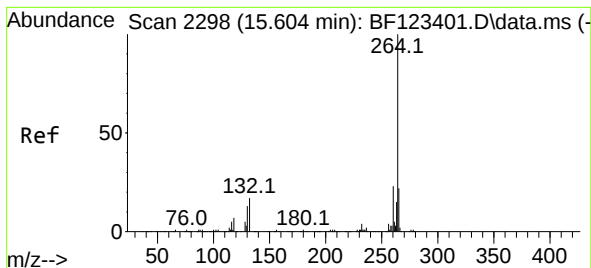
Tgt Ion:228 Resp: 667202
Ion Ratio Lower Upper
228 100
226 29.4 23.0 34.4
229 21.6 16.6 24.8



#83
Chrysene
Concen: 21.41 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:228 Resp: 656101
Ion Ratio Lower Upper
228 100
226 30.1 24.6 36.8
229 21.9 15.8 23.6



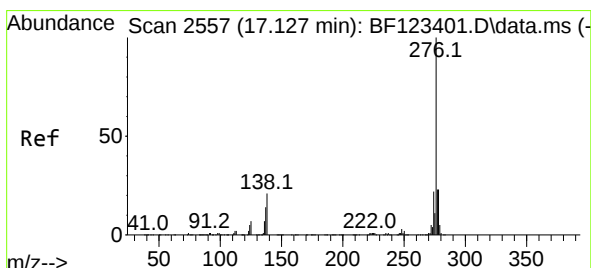
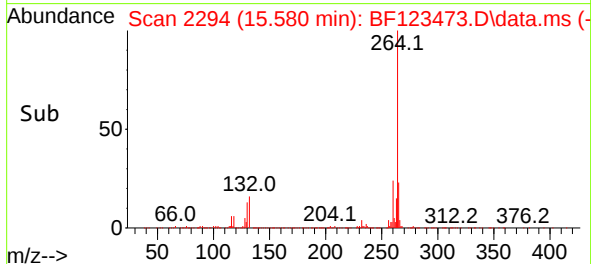
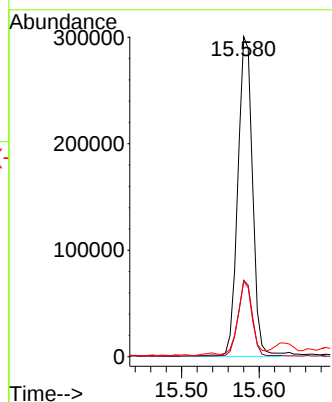
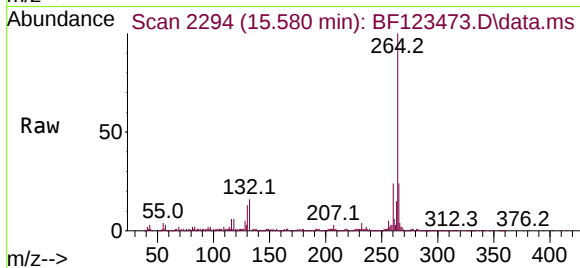


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Instrument :
BNA_F
ClientSampled :
TP-8A

Tgt Ion:264 Resp: 396962

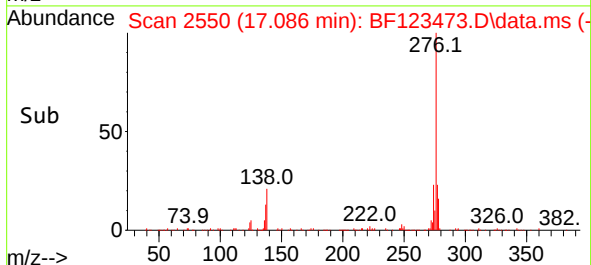
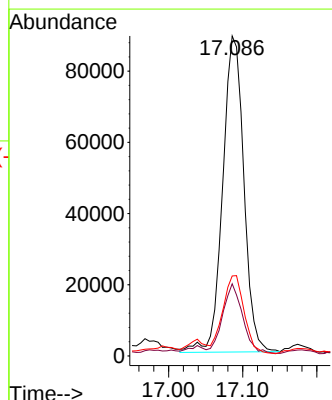
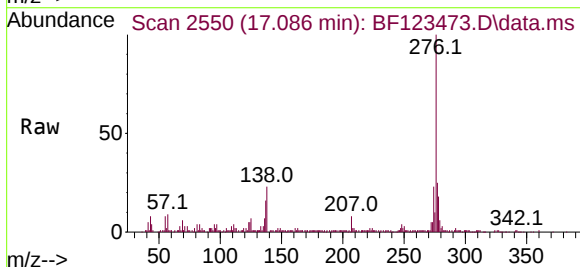
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	23.6	17.0	25.6

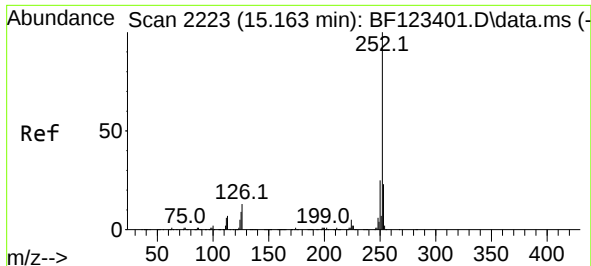


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.13 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:276 Resp: 175990

Ion	Ratio	Lower	Upper
276	100		
138	20.8	18.7	28.1
277	25.0	20.2	30.4

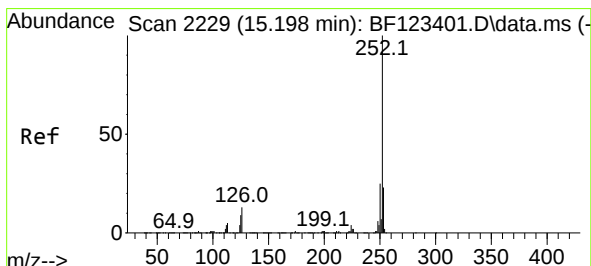
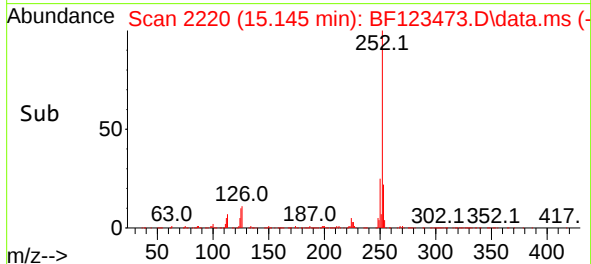
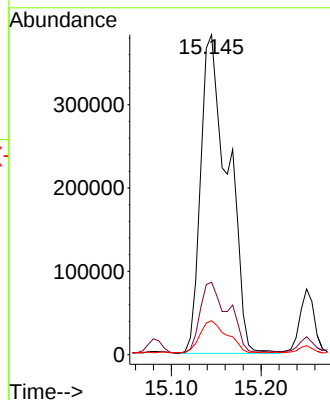
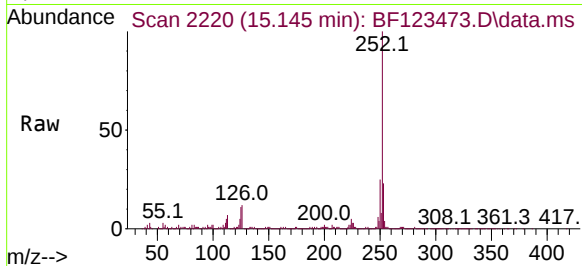




#88
Benzo(b)fluoranthene
Concen: 29.57 ng
RT: 15.145 min Scan# 2220
Delta R.T. 0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

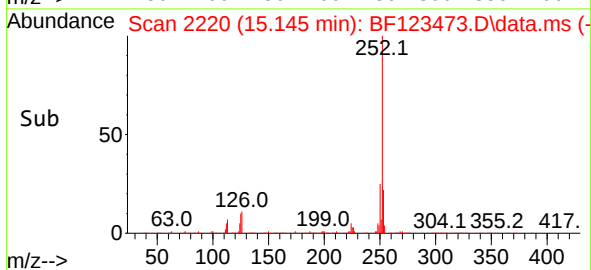
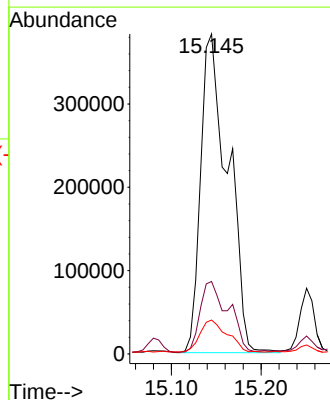
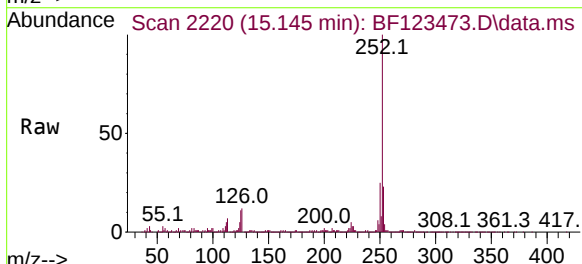
Instrument :
BNA_F
ClientSampleId :
TP-8A

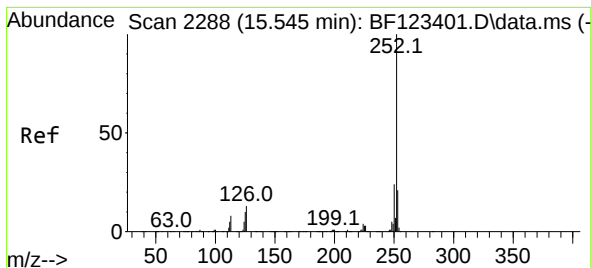
Tgt Ion:252 Resp: 809860
Ion Ratio Lower Upper
252 100
253 22.6 18.3 27.5
125 10.6 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 31.28 ng
RT: 15.145 min Scan# 2220
Delta R.T. -0.024 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:252 Resp: 809860
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.6 8.4 12.6





#90

Benzo(a)pyrene

Concen: 17.88 ng

RT: 15.515 min Scan# 2283

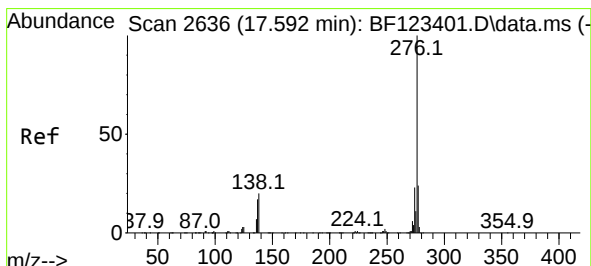
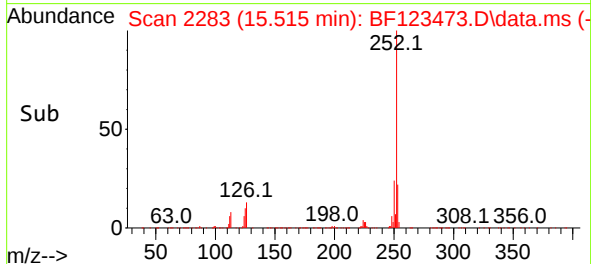
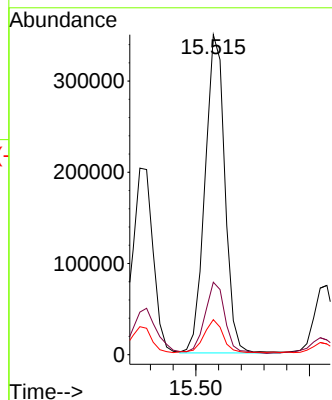
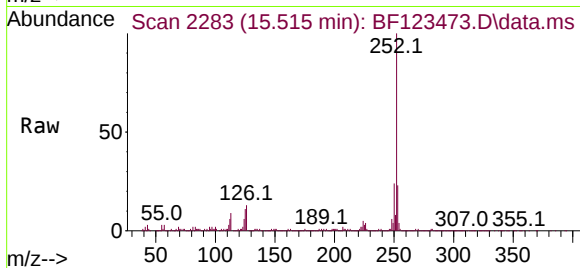
Delta R.T. -0.000 min

Lab File: BF123473.D

Acq: 25 Mar 2021 21:28

Tgt Ion:252 Resp: 422744

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	10.9	8.6	12.8



#92

Benzo(g,h,i)perylene

Concen: 6.83 ng

RT: 17.545 min Scan# 2628

Delta R.T. -0.000 min

Lab File: BF123473.D

Acq: 25 Mar 2021 21:28

Tgt Ion:276 Resp: 143142

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.3	28.9
138	20.9	16.6	24.8

