

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052721\
 Data File : BF124104.D
 Acq On : 27 May 2021 21:37
 Operator : JU/CG
 Sample : M2546-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-SAMPLE-LOAMY-TOP

Quant Time: May 28 03:07:11 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 27 13:12:25 2021
 Response via : Initial Calibration

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

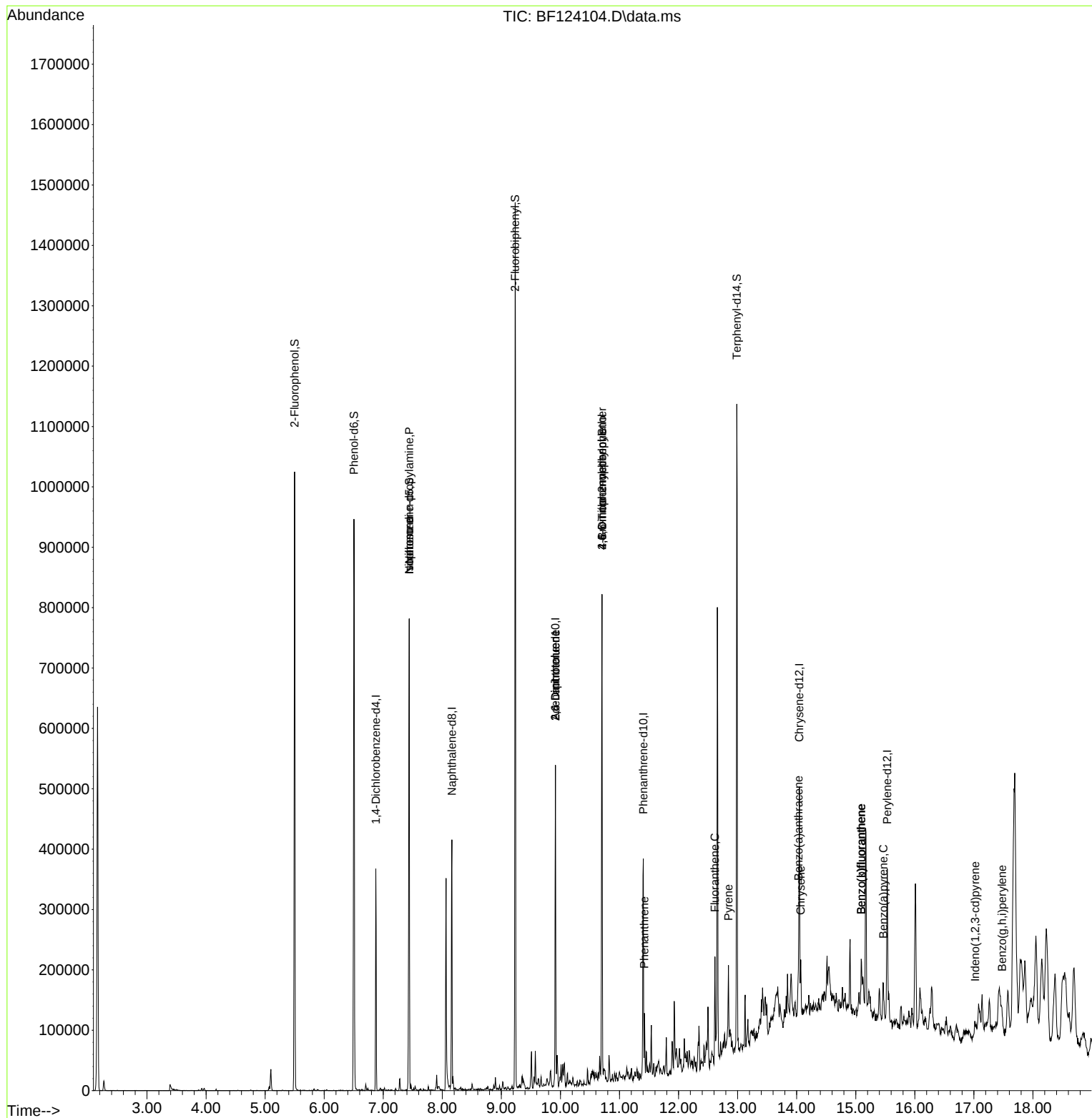
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	42377	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	154079	20.00	ng	0.00
39) Acenaphthene-d10	9.916	164	79411	20.00	ng	0.00
64) Phenanthrene-d10	11.404	188	119130	20.00	ng	0.00
76) Chrysene-d12	14.045	240	98938	20.00	ng	0.00
86) Perylene-d12	15.533	264	104497	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	226667	75.10	ng	0.00
7) Phenol-d6	6.504	99	287013	73.30	ng	0.00
23) Nitrobenzene-d5	7.439	82	222991	62.36	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	77603	81.36	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	392974	60.90	ng	0.00
79) Terphenyl-d14	12.986	244	314825	48.19	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	31299	11.83	ng	# 68
25) Isophorone	7.439	82	222987	32.41	ng	# 69
51) 2,6-Dinitrotoluene	9.916	165	10291	8.03	ng	# 16
57) 2,4-Dinitrotoluene	9.916	165	10291	6.54	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.704	198	216	5.69	ng	# 43
67) 4-Bromophenyl-phenylether	10.704	248	4923	3.14	ng	# 1
71) Phenanthrene	11.422	178	30178	4.00	ng	# 90
75) Fluoranthene	12.616	202	53733	6.87	ng	99
78) Pyrene	12.845	202	44578	5.08	ng	96
81) Benzo(a)anthracene	14.033	228	29045	4.06	ng	96
83) Chrysene	14.068	228	26466	3.85	ng	95
87) Indeno(1,2,3-cd)pyrene	17.021	276	17437	2.16	ng	# 90
88) Benzo(b)fluoranthene	15.092	252	51302	6.35	ng	# 92
89) Benzo(k)fluoranthene	15.092	252	51302	6.96	ng	# 93
90) Benzo(a)pyrene	15.468	252	25505	3.65	ng	# 92
92) Benzo(g,h,i)perylene	17.480	276	14255	2.09	ng	95

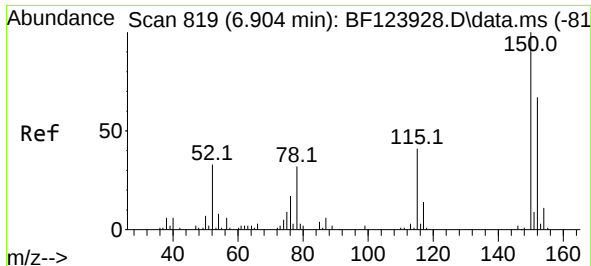
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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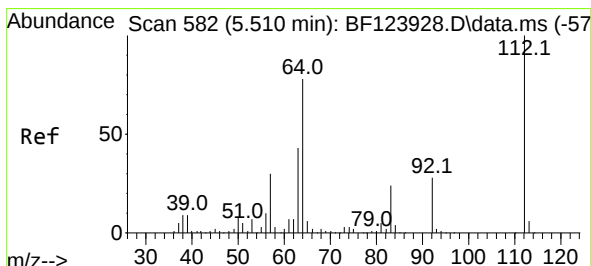
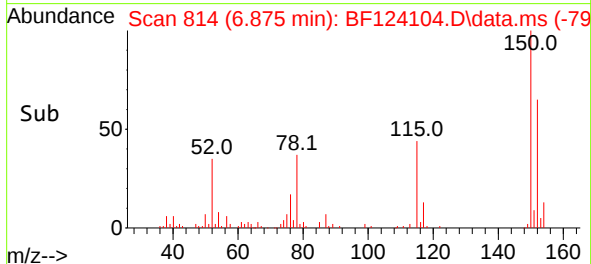
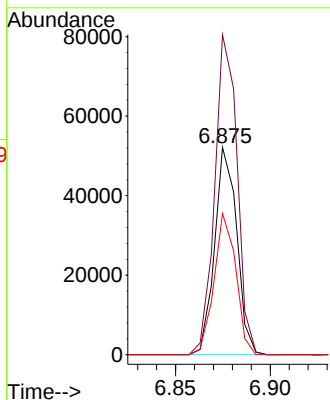
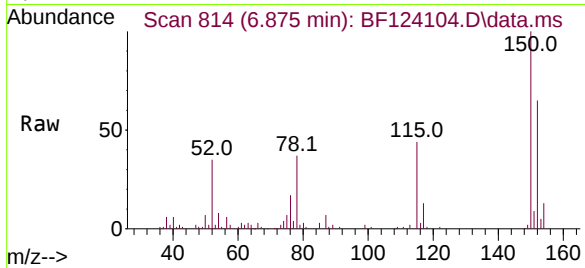




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

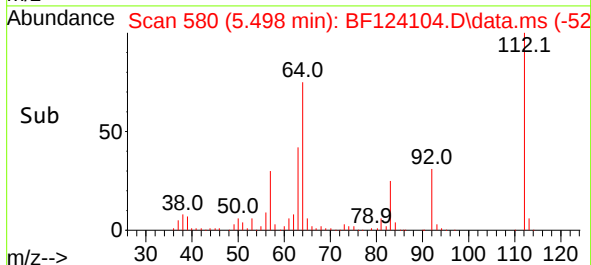
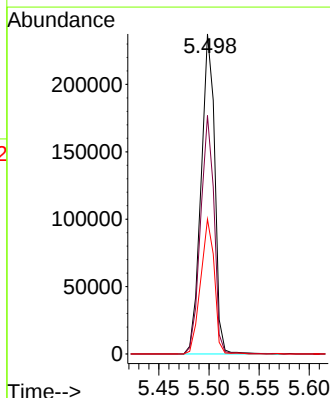
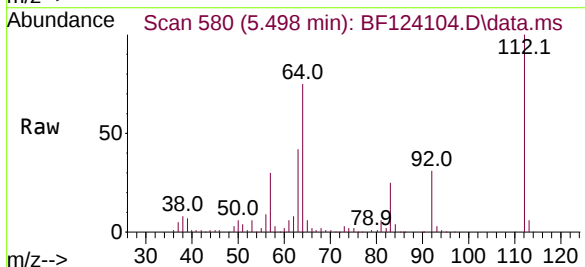
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BNA_F
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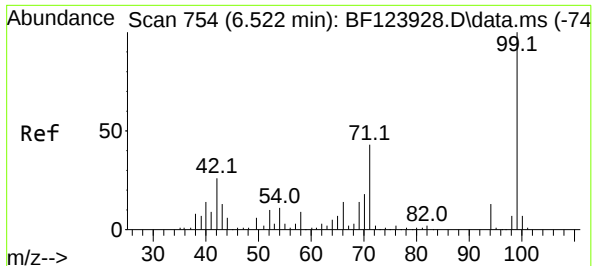
Tgt Ion:152 Resp: 42377
Ion Ratio Lower Upper
152 100
150 154.4 127.0 190.6
115 68.1 54.3 81.5



#5
2-Fluorophenol
Concen: 75.10 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion:112 Resp: 226667
Ion Ratio Lower Upper
112 100
64 74.5 61.4 92.0
63 42.1 33.0 49.4

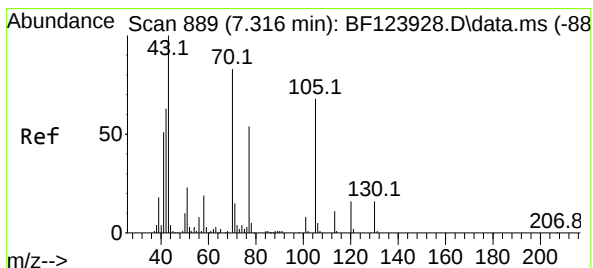
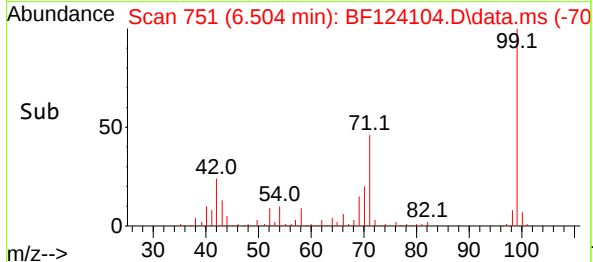
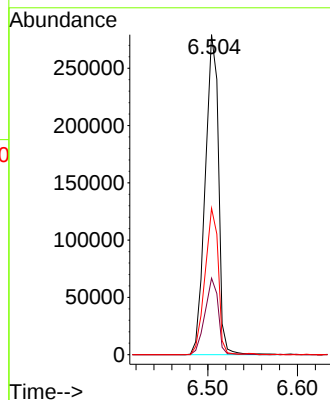
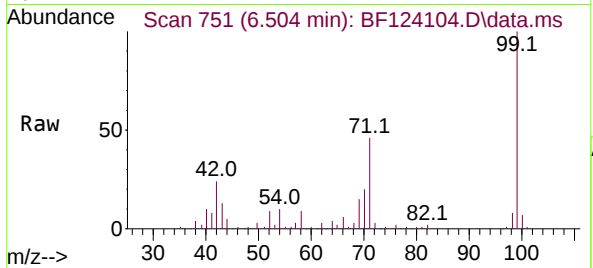




#7
Phenol-d6
Concen: 73.30 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

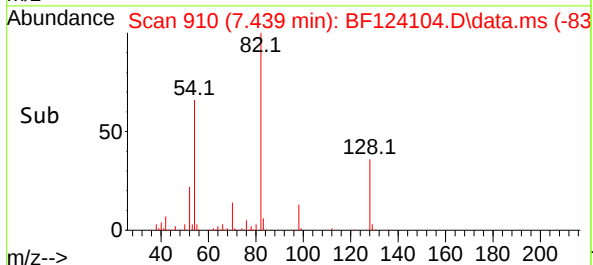
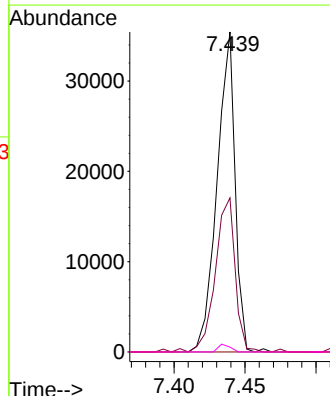
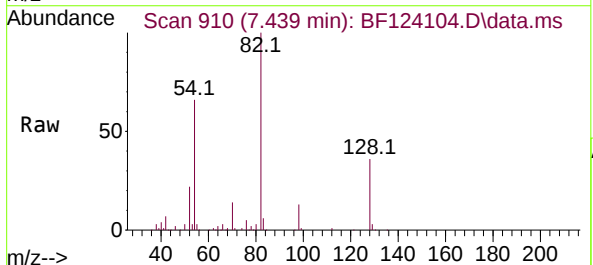
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 287013
Ion Ratio Lower Upper
99 100
42 23.9 19.8 29.8
71 45.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.83 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.147 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion: 70 Resp: 31299
Ion Ratio Lower Upper
70 100
42 48.2 60.1 90.1#
101 0.0 7.4 11.2#
130 1.5 14.2 21.2#

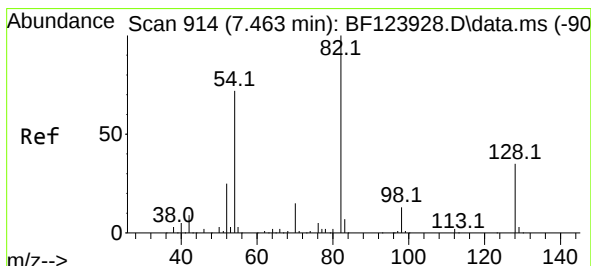
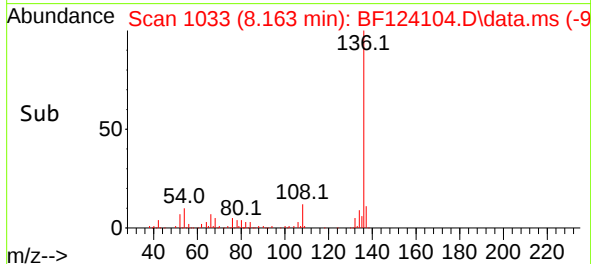
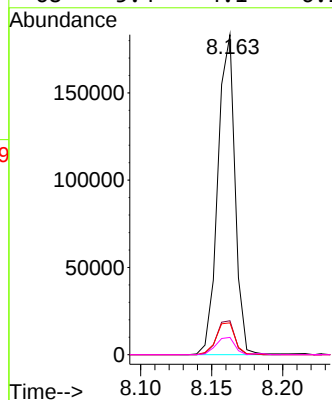
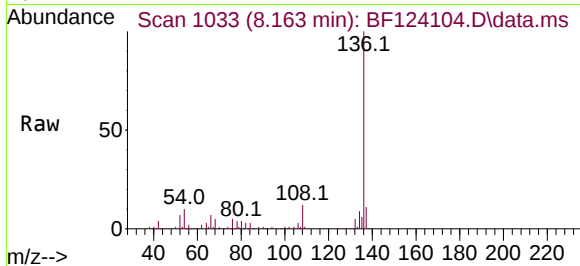




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.000 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

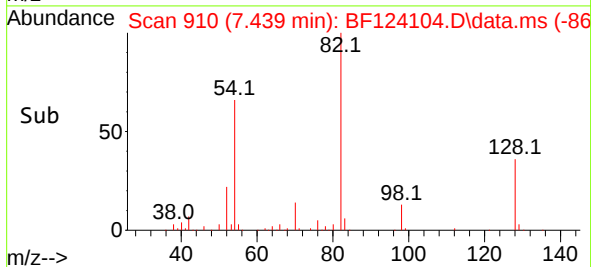
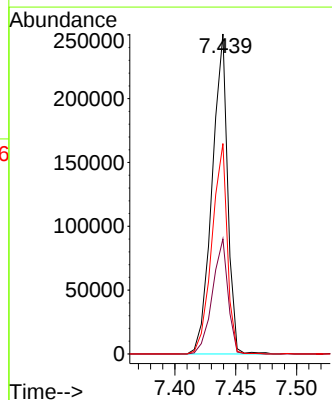
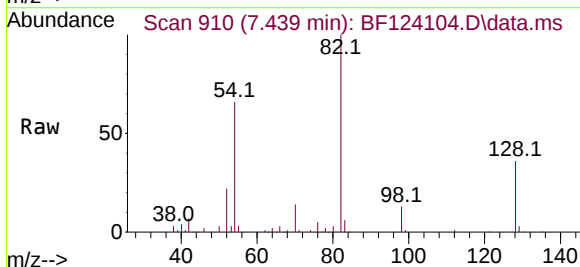
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

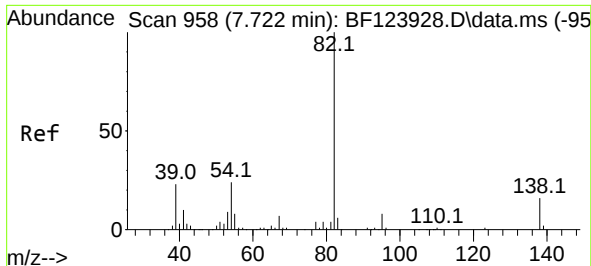
Tgt Ion:136	Resp: 154079
Ion Ratio	Lower Upper
136 100	
137 10.6	8.7 13.1
54 10.0	9.8 14.6
68 5.4	4.1 6.1



#23
Nitrobenzene-d5
Concen: 62.36 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion: 82	Resp: 222991
Ion Ratio	Lower Upper
82 100	
128 35.9	29.4 44.2
54 65.7	54.1 81.1

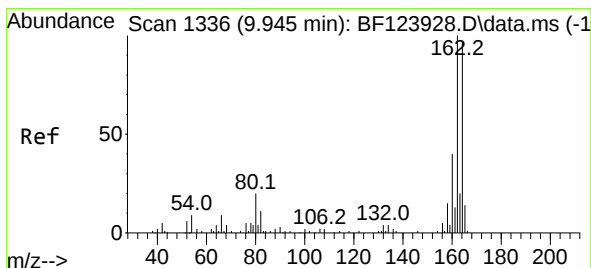
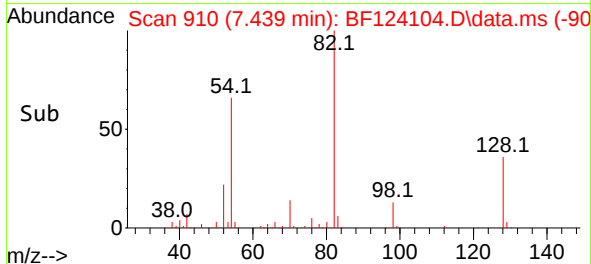
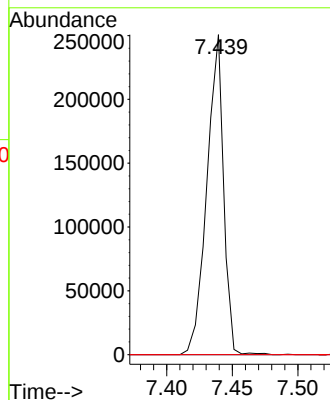
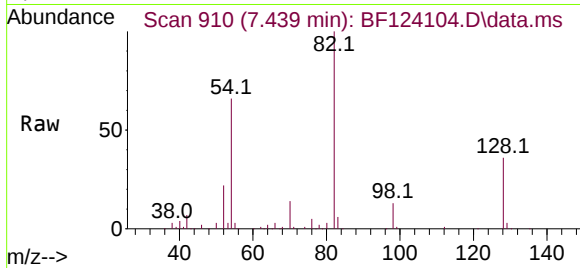




#25
Isophorone
Concen: 32.41 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.259 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

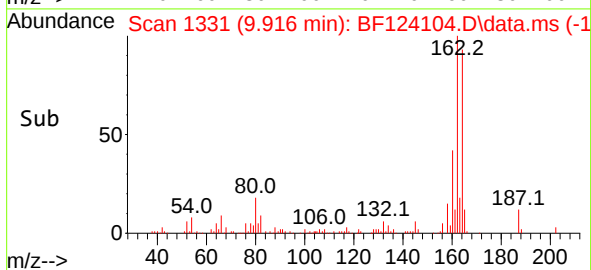
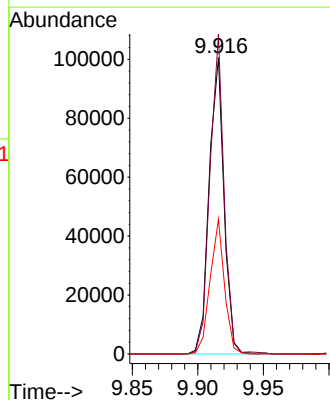
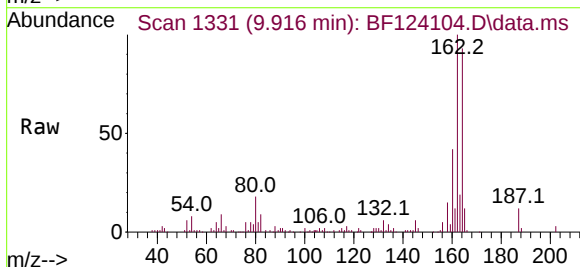
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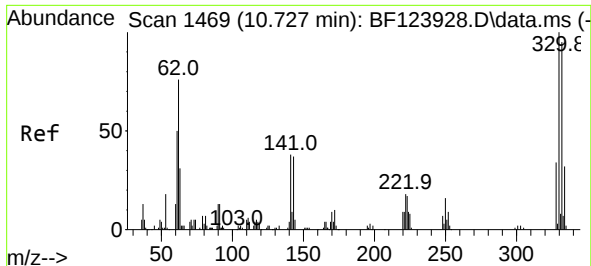
Tgt Ion: 82 Resp: 222987
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion:164 Resp: 79411
Ion Ratio Lower Upper
164 100
162 108.0 80.7 121.1
160 45.5 37.3 55.9

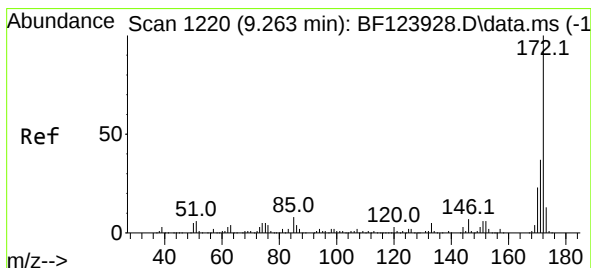
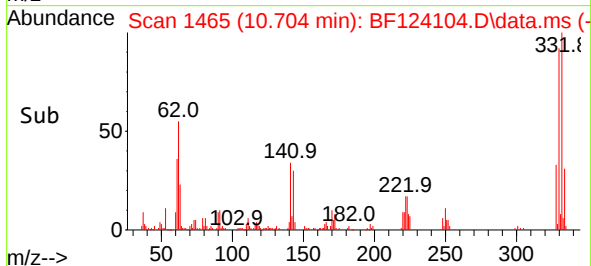
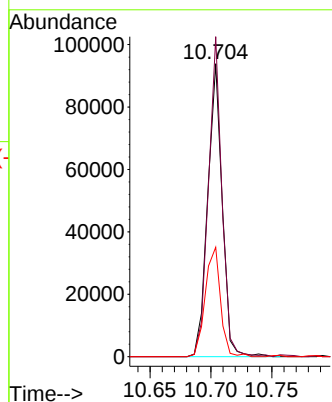
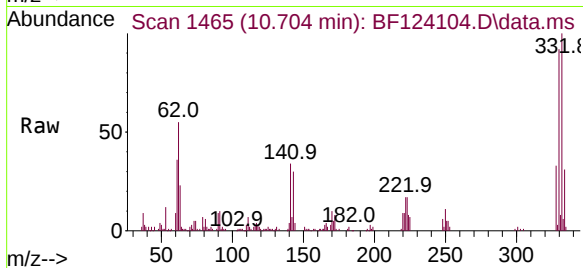




#42
2,4,6-Tribromophenol
Concen: 81.36 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

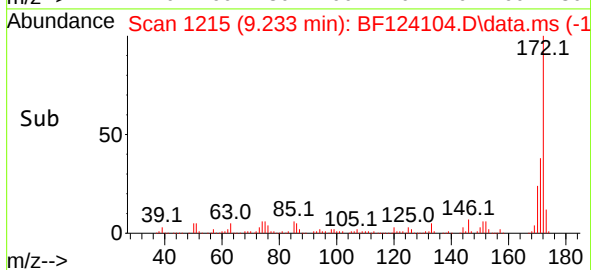
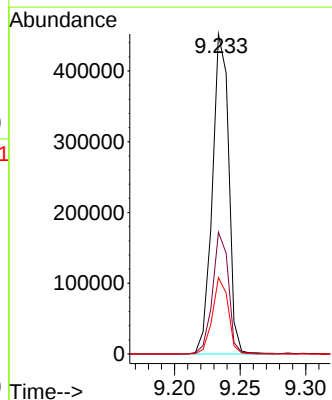
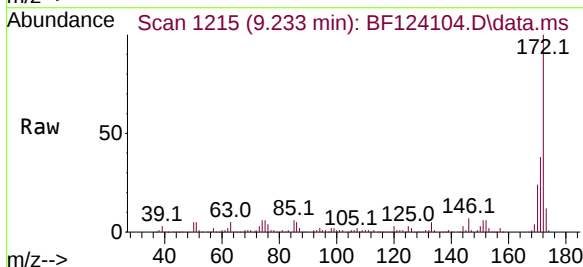
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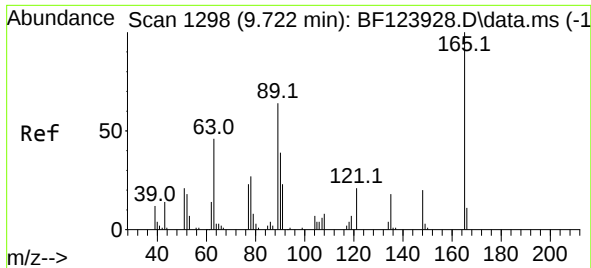
Tgt Ion: 330 Resp: 77603
Ion Ratio Lower Upper
330 100
332 101.8 77.1 115.7
141 39.4 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 60.90 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion: 172 Resp: 392974
Ion Ratio Lower Upper
172 100
171 38.0 28.1 42.1
170 23.8 19.2 28.8

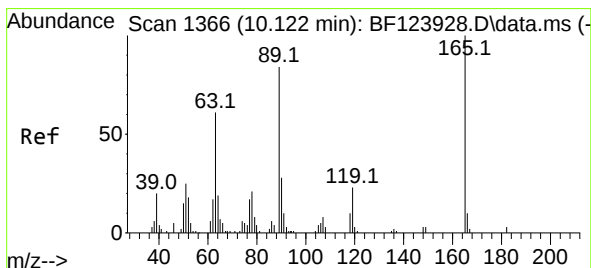
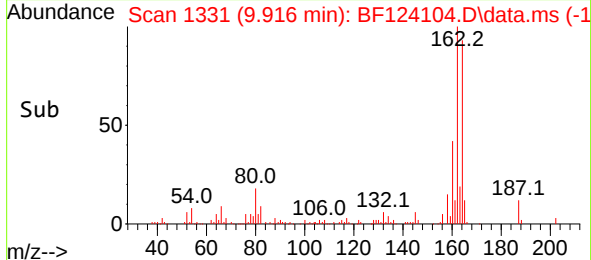
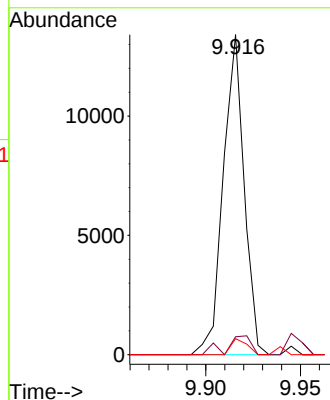
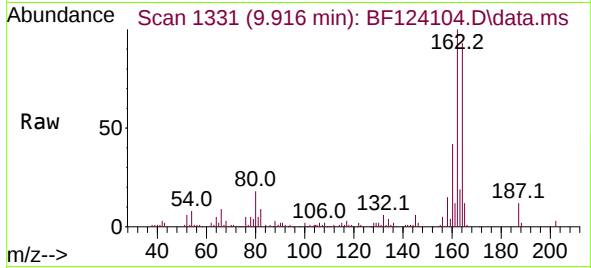




#51
2,6-Dinitrotoluene
Concen: 8.03 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.218 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

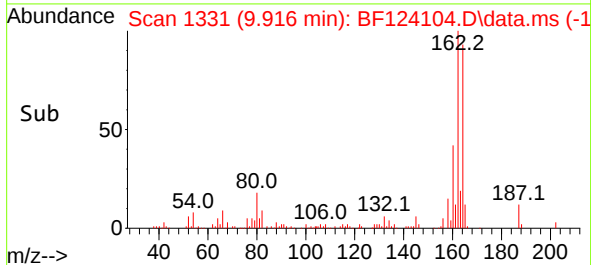
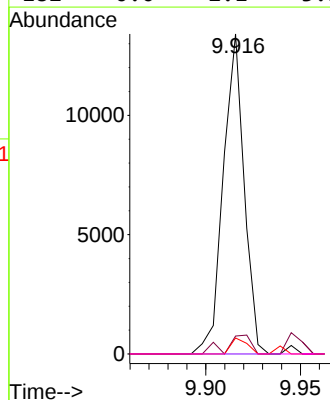
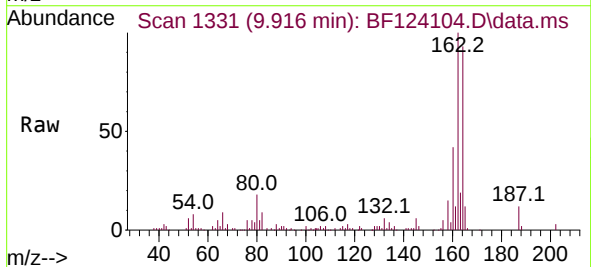
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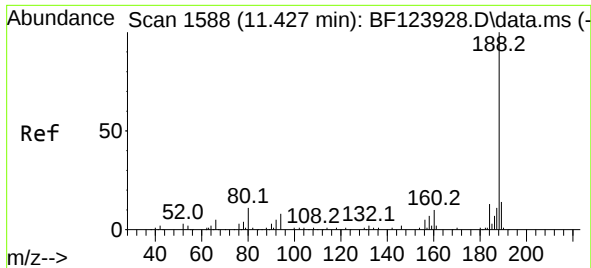
Tgt Ion	Ratio	Lower	Upper
165	100		
63	5.6	67.7	101.5#
89	5.0	58.8	88.2#



#57
2,4-Dinitrotoluene
Concen: 6.54 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	5.6	43.5	65.3#
89	5.0	67.7	101.5#
182	0.0	2.1	3.1#

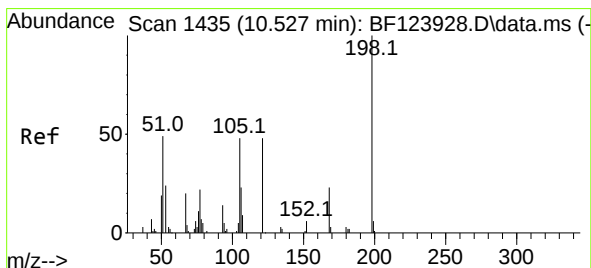
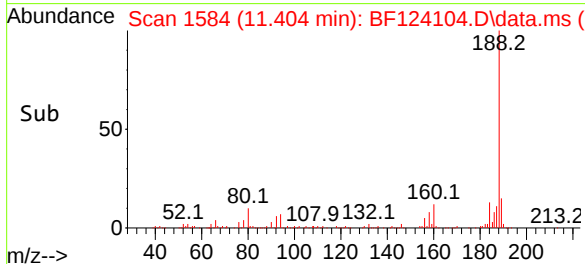
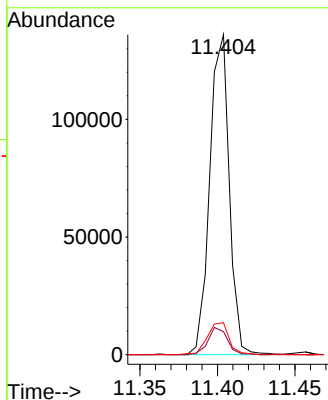
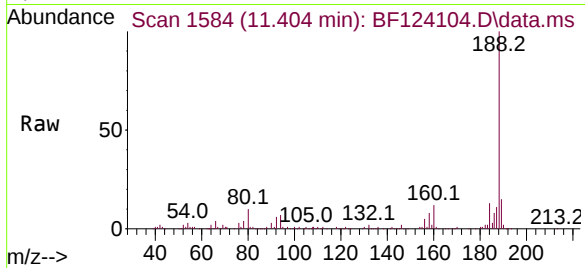




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

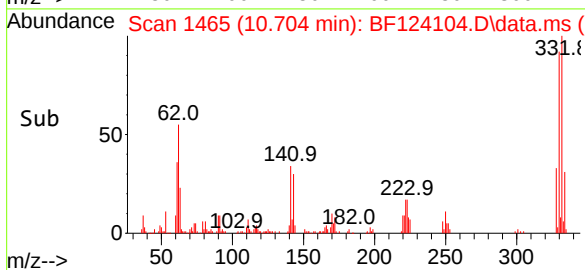
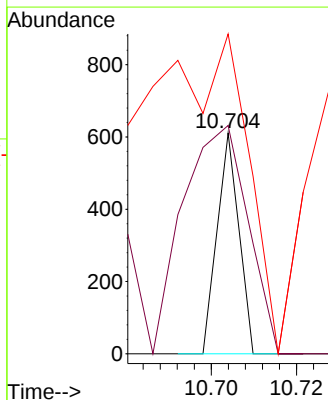
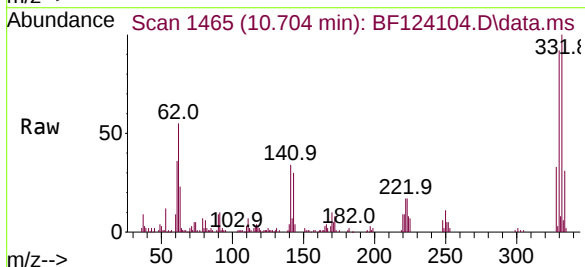
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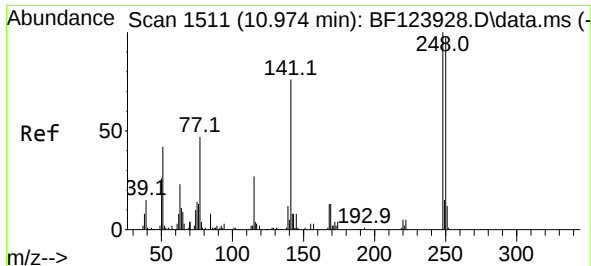
Tgt Ion:188 Resp: 119130
Ion Ratio Lower Upper
188 100
94 7.2 6.9 10.3
80 10.0 8.2 12.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.69 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.194 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion:198 Resp: 216
Ion Ratio Lower Upper
198 100
51 103.4 64.8 104.8
105 144.8 42.6 82.6#

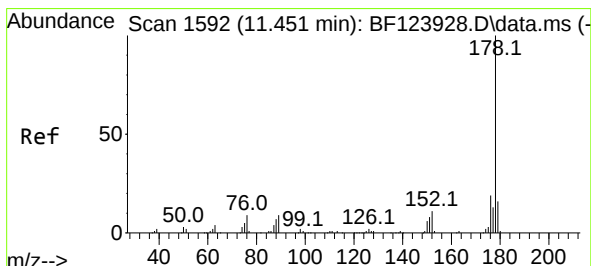
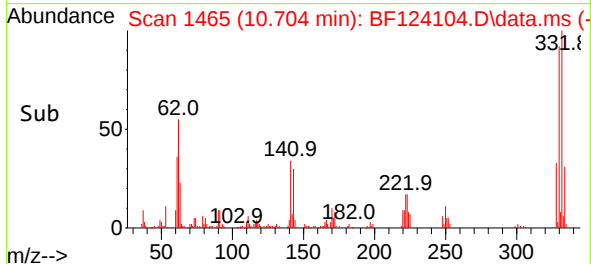
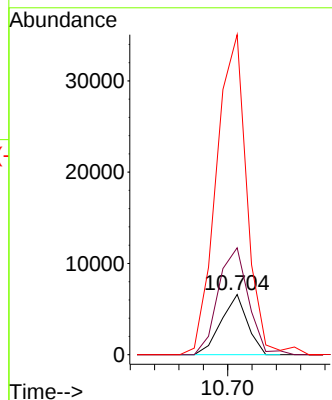
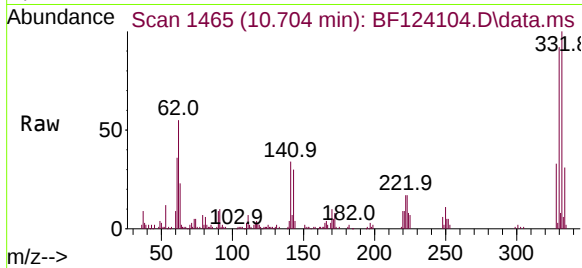




#67
4-Bromophenyl-phenylether
Concen: 3.14 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.241 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

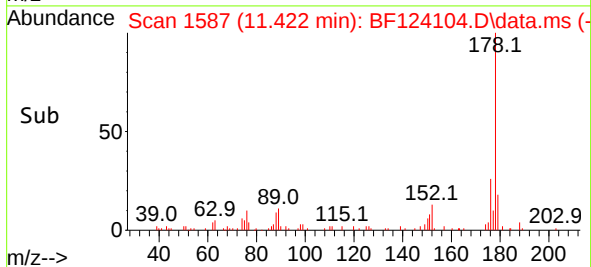
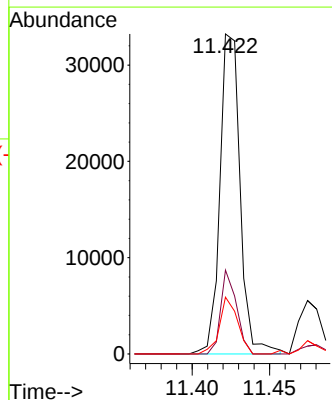
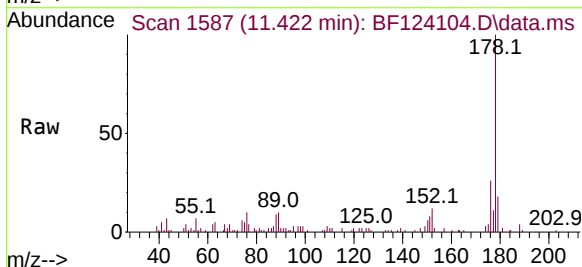
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

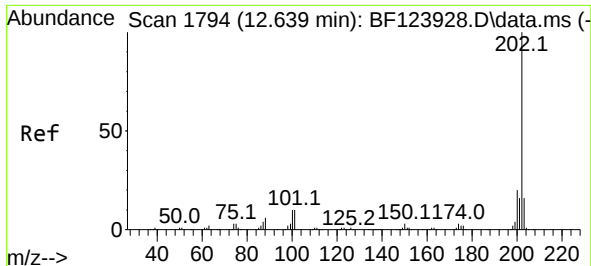
Tgt Ion:248 Resp: 4923
Ion Ratio Lower Upper
248 100
250 177.9 77.4 116.2#
141 532.2 63.7 95.5#



#71
Phenanthrene
Concen: 4.00 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion:178 Resp: 30178
Ion Ratio Lower Upper
178 100
176 26.2 15.6 23.4#
179 17.7 12.5 18.7

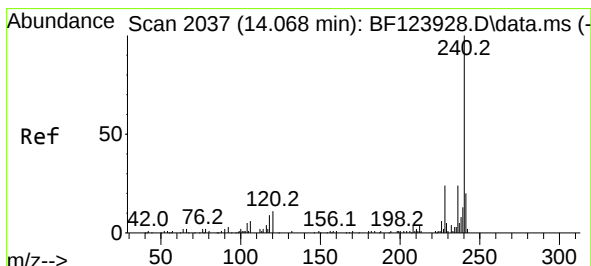
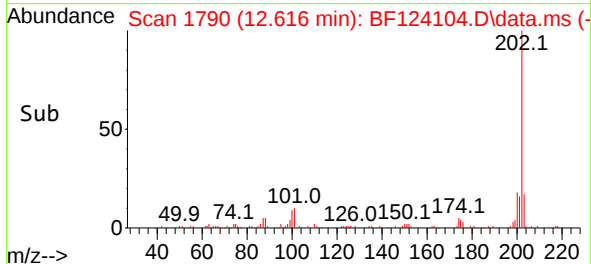
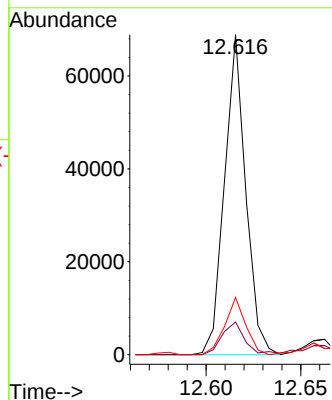
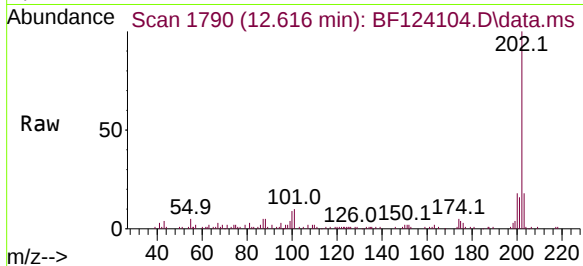




#75
Fluoranthene
Concen: 6.87 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

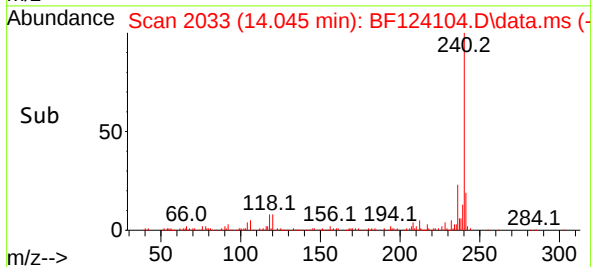
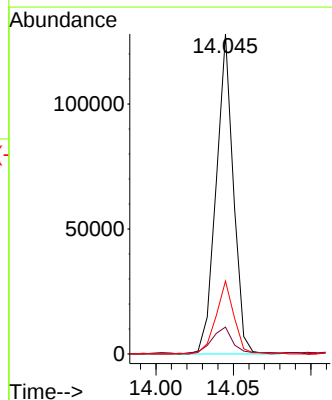
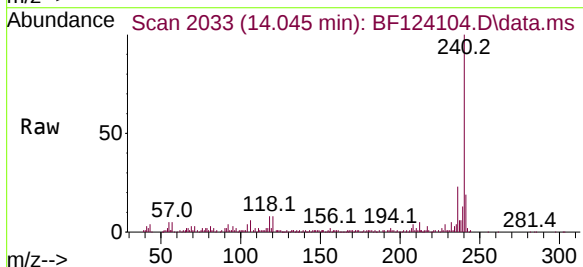
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

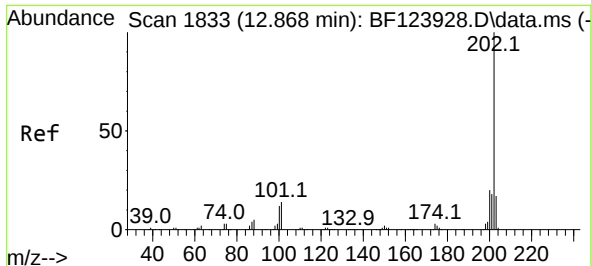
Tgt Ion:202 Resp: 53733
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.9
203 17.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion:240 Resp: 98938
Ion Ratio Lower Upper
240 100
120 8.4 7.2 10.8
236 22.8 19.0 28.4

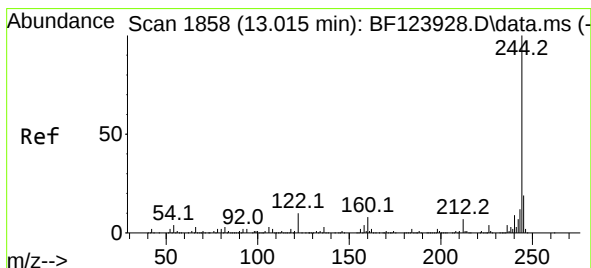
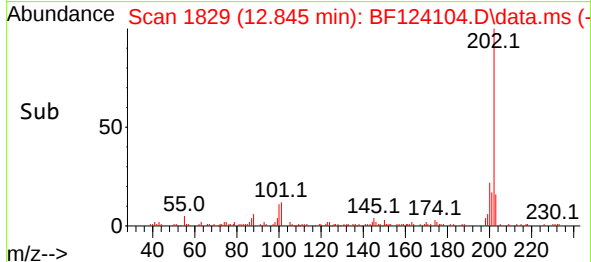
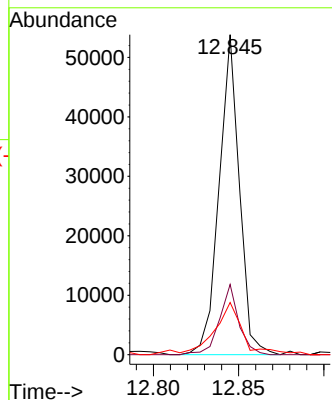
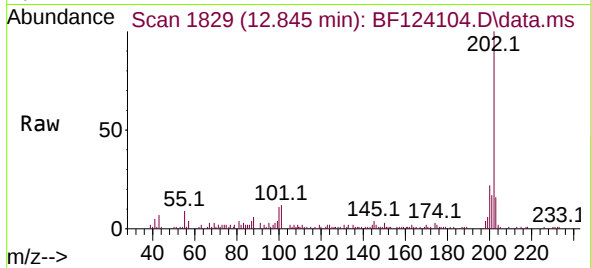




#78
Pyrene
Concen: 5.08 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

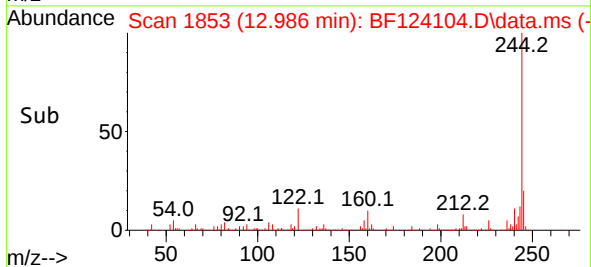
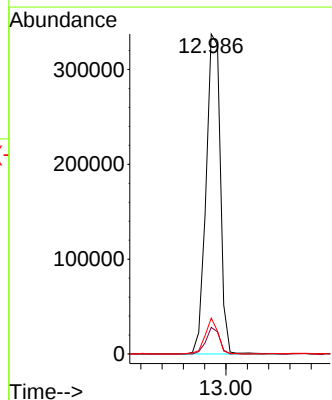
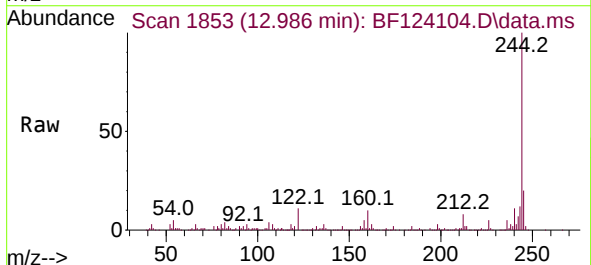
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

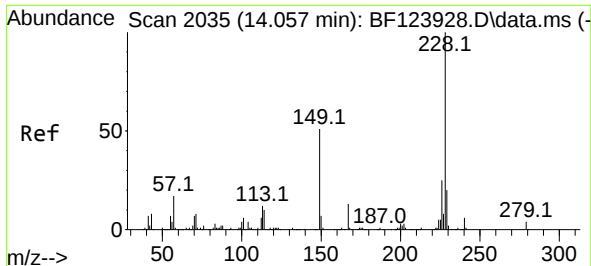
Tgt Ion:202 Resp: 44578
Ion Ratio Lower Upper
202 100
200 21.9 16.1 24.1
203 16.3 14.8 22.2



#79
Terphenyl-d14
Concen: 48.19 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.000 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion:244 Resp: 314825
Ion Ratio Lower Upper
244 100
212 8.3 5.7 8.5
122 11.2 9.7 14.5

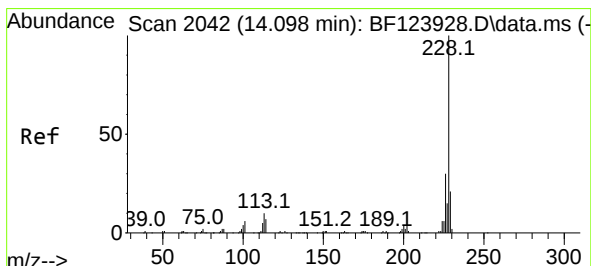
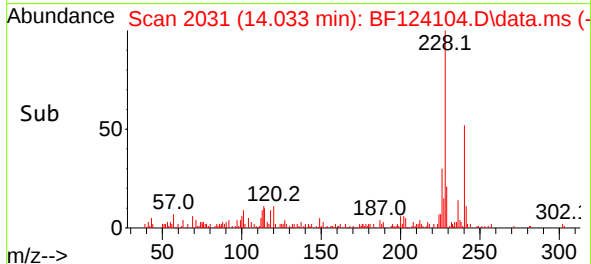
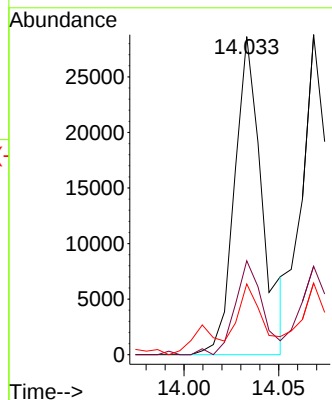
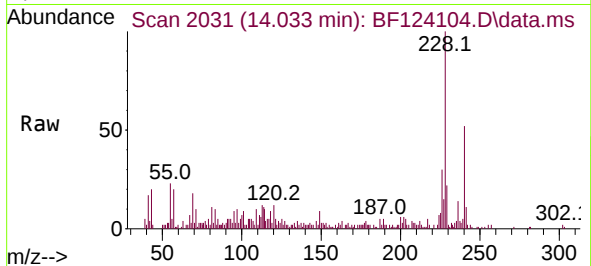




#81
Benzo(a)anthracene
Concen: 4.06 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

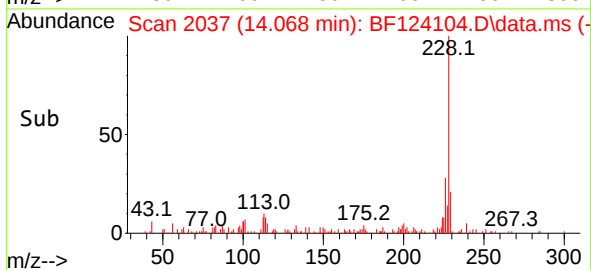
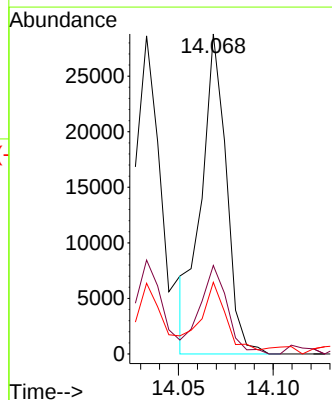
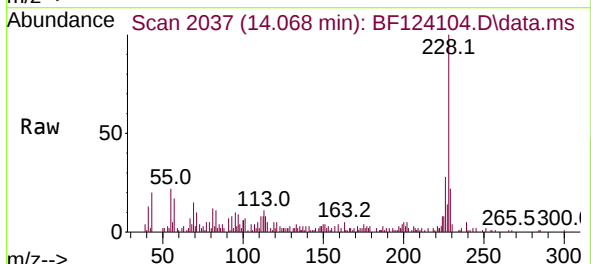
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

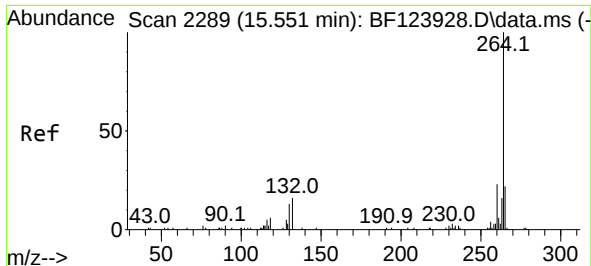
Tgt Ion:228	Resp:	29045
Ion Ratio	Lower	Upper
228	100	
226	29.6	22.4 33.6
229	22.3	16.0 24.0



#83
Chrysene
Concen: 3.85 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion:228	Resp:	26466
Ion Ratio	Lower	Upper
228	100	
226	27.6	24.3 36.5
229	22.4	16.2 24.2

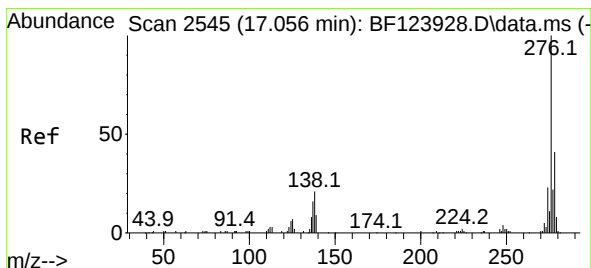
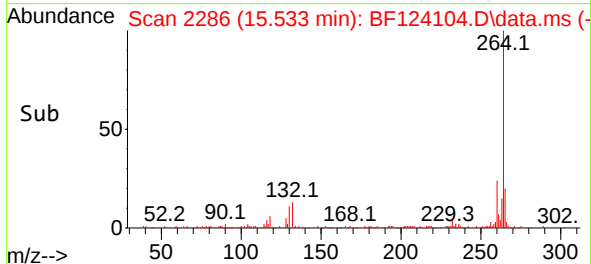
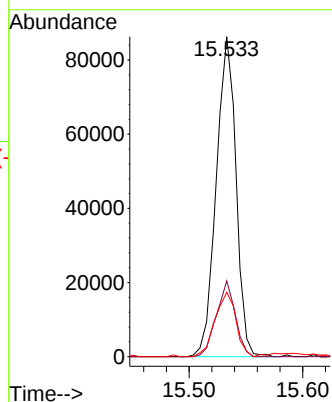
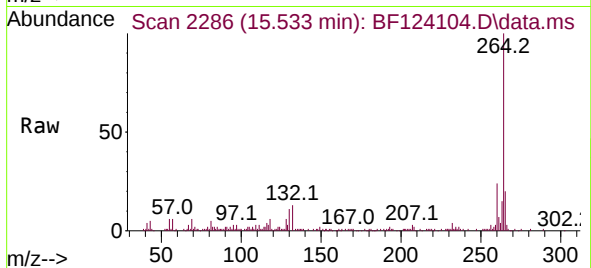




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.533 min Scan# 2286
Delta R.T. 0.006 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

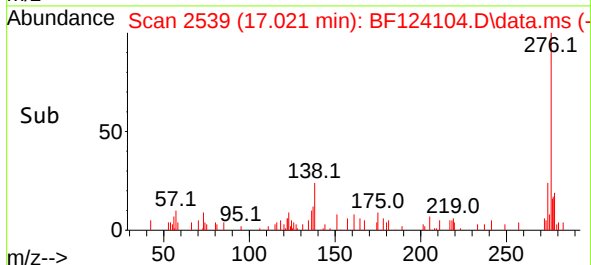
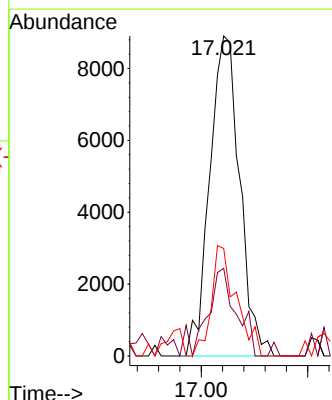
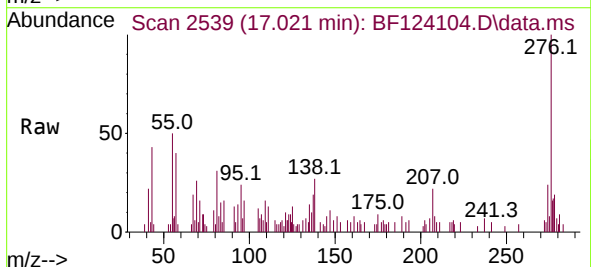
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

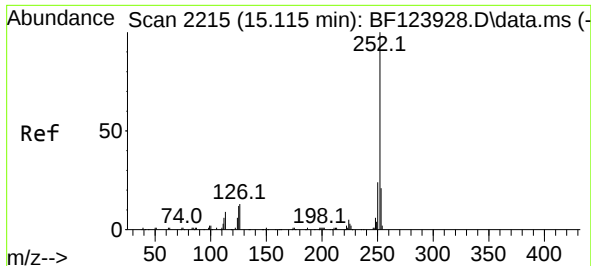
Tgt Ion:264 Resp: 104497
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 20.1 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.16 ng
RT: 17.021 min Scan# 2539
Delta R.T. -0.012 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion:276 Resp: 17437
Ion Ratio Lower Upper
276 100
138 26.8 16.2 24.2#
277 28.4 20.1 30.1

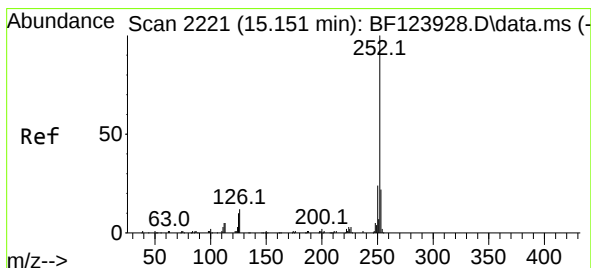
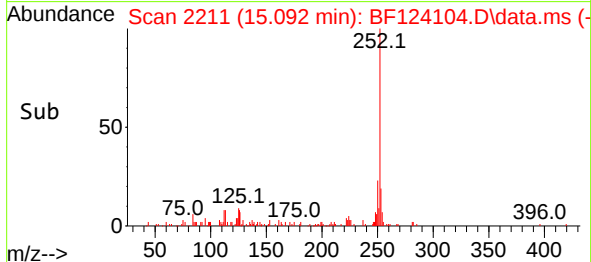
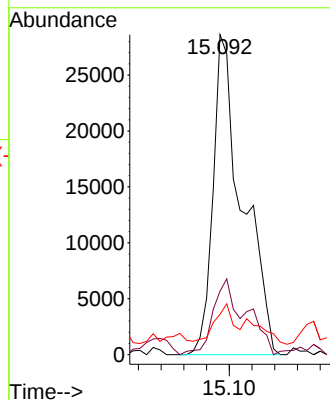
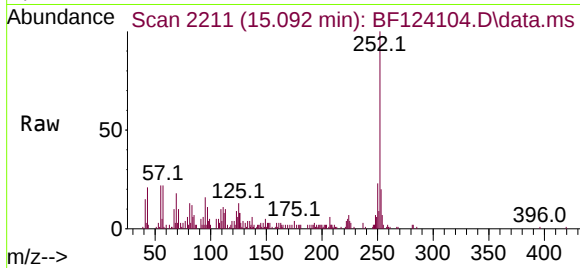




#88
Benzo(b)fluoranthene
Concen: 6.35 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

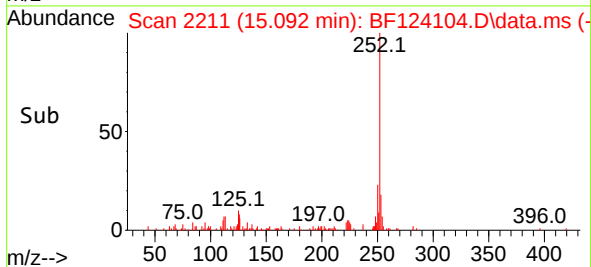
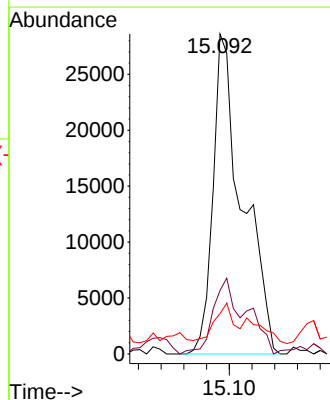
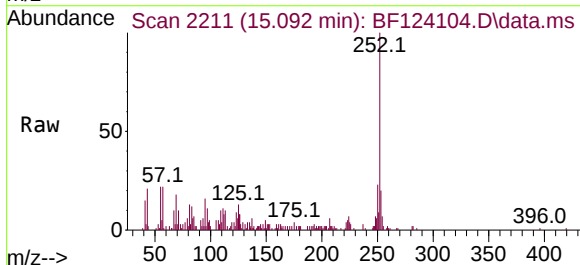
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

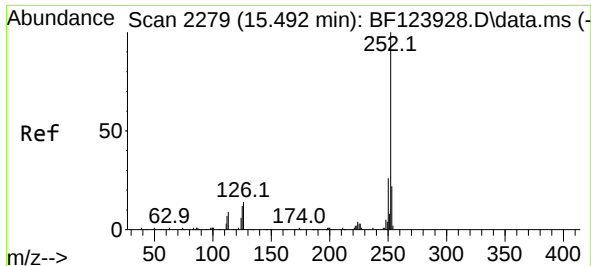
Tgt Ion:252 Resp: 51302
Ion Ratio Lower Upper
252 100
253 19.8 18.1 27.1
125 12.6 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 6.96 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.035 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion:252 Resp: 51302
Ion Ratio Lower Upper
252 100
253 19.8 17.9 26.9
125 12.6 7.0 10.6#

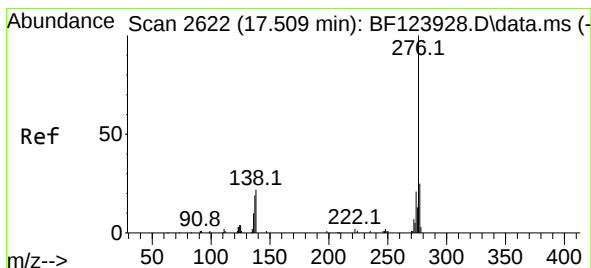
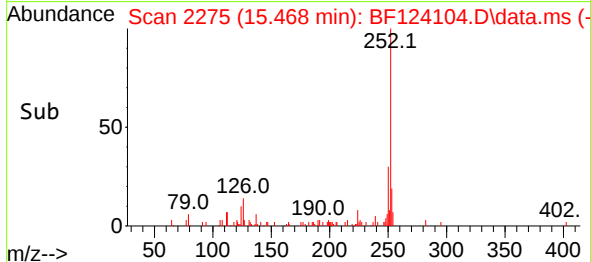
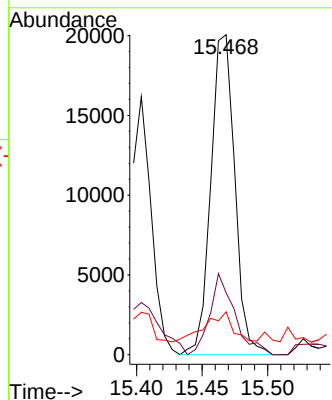
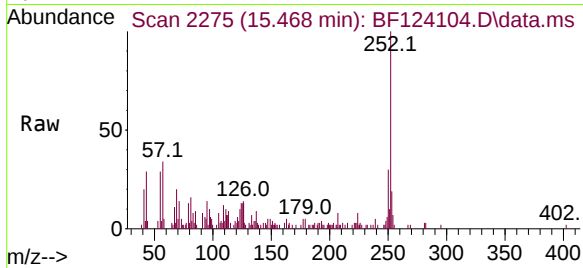




#90
Benzo(a)pyrene
Concen: 3.65 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

Tgt Ion:252 Resp: 25505
Ion Ratio Lower Upper
252 100
253 19.3 18.4 27.6
125 13.4 8.0 12.0#



#92
Benzo(g,h,i)perylene
Concen: 2.09 ng
RT: 17.480 min Scan# 2617
Delta R.T. -0.006 min
Lab File: BF124104.D
Acq: 27 May 2021 21:37

Tgt Ion:276 Resp: 14255
Ion Ratio Lower Upper
276 100
277 20.3 18.2 27.2
138 14.8 13.8 20.6

