

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
 Data File : BF124294.D
 Acq On : 12 Jun 2021 19:23
 Operator : JU/CG
 Sample : M2639-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B67

Quant Time: Jun 14 04:27:46 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

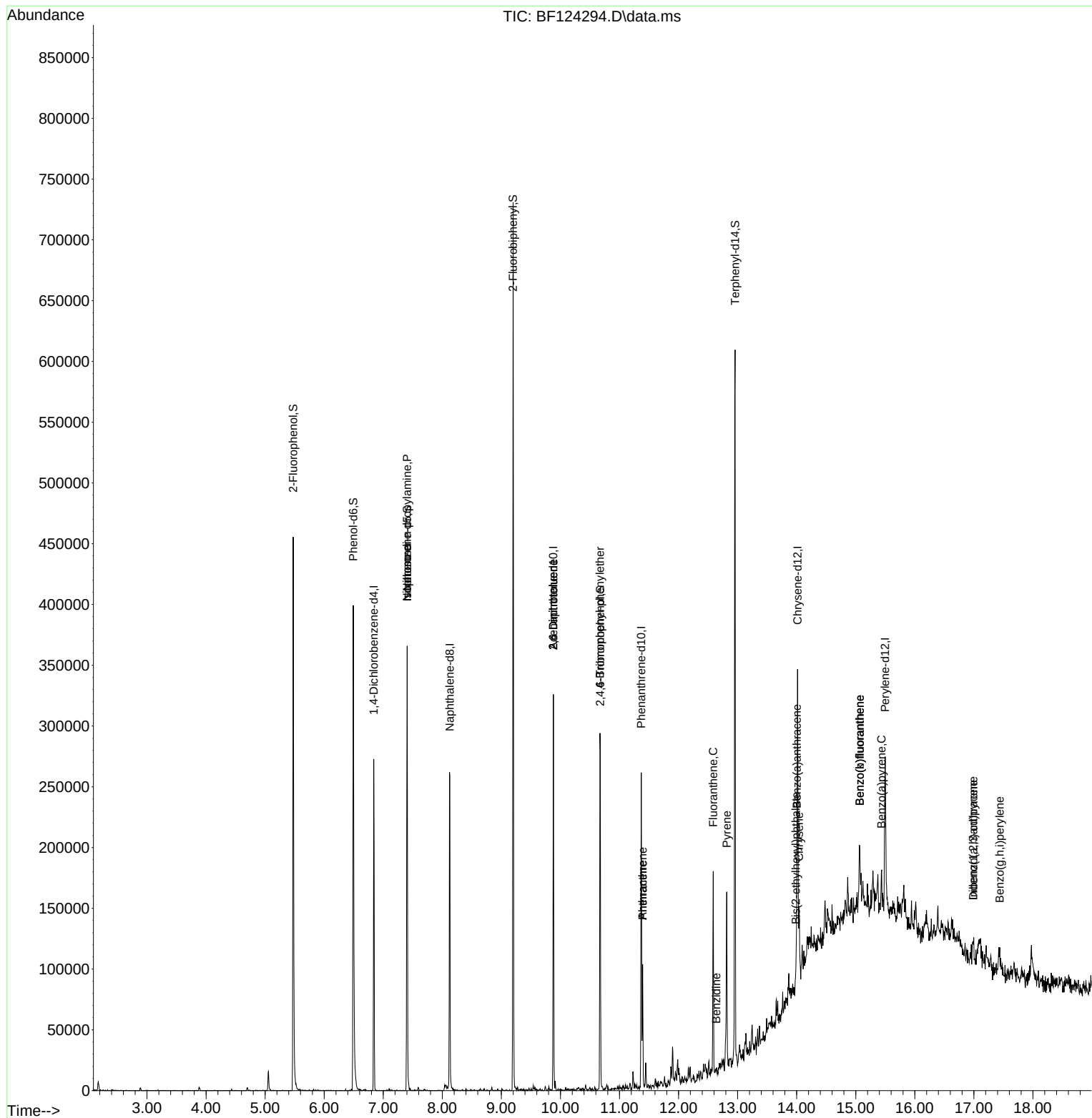
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	34917	20.000	ng	-0.01
21) Naphthalene-d8	8.128	136	110772	20.000	ng	# 0.00
39) Acenaphthene-d10	9.880	164	53981	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	83144	20.000	ng	0.00
76) Chrysene-d12	14.015	240	71037	20.000	ng	0.00
86) Perylene-d12	15.498	264	43585	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	103668	44.693	ng	0.00
7) Phenol-d6	6.492	99	125055	40.110	ng	0.00
23) Nitrobenzene-d5	7.404	82	102459	36.685	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	30608	40.022	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	180561	42.091	ng	-0.01
79) Terphenyl-d14	12.957	244	172730	33.384	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	15287	6.946	ng	# 62
25) Isophorone	7.404	82	102456	20.357	ng	# 69
51) 2,6-Dinitrotoluene	9.880	165	6018	5.877	ng	# 12
57) 2,4-Dinitrotoluene	9.880	165	6018	4.456	ng	# 18
67) 4-Bromophenyl-phenylether	10.669	248	2451	2.148	ng	# 1
71) Phenanthrene	11.392	178	29069	5.597	ng	94
72) Anthracene	11.392	178	29069	5.557	ng	94
75) Fluoranthene	12.586	202	55549	10.189	ng	97
77) Benzidine	12.639	184	112	4.123	ng	# 68
78) Pyrene	12.816	202	54046	7.923	ng	96
81) Benzo(a)anthracene	14.004	228	25750	4.976	ng	# 91
83) Chrysene	14.039	228	22188	4.444	ng	# 94
84) Bis(2-ethylhexyl)phtha...	13.986	149	8183	2.486	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.992	276	11268	7.161	ng	# 63
88) Benzo(b)fluoranthene	15.068	252	31691	9.360	ng	# 84
89) Benzo(k)fluoranthene	15.068	252	31691	9.887	ng	# 84
90) Benzo(a)pyrene	15.433	252	15433	5.248	ng	# 86
91) Dibenzo(a,h)anthracene	16.992	278	1441	4.600	ng	# 72
92) Benzo(g,h,i)perylene	17.439	276	11760	7.351	ng	# 92

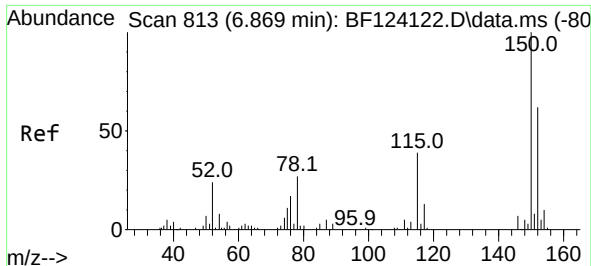
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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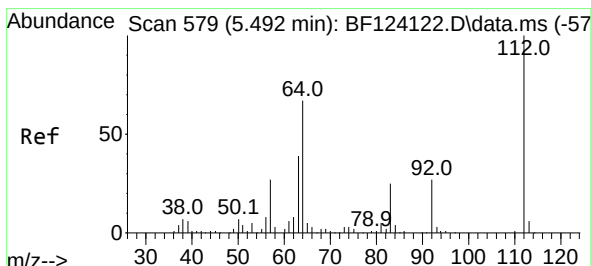
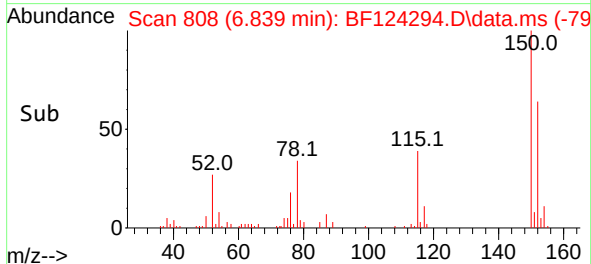
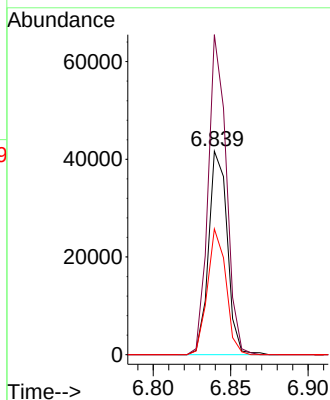
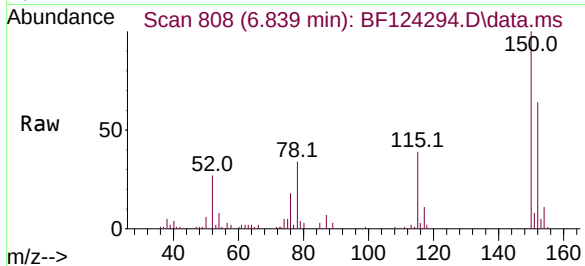




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.012 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

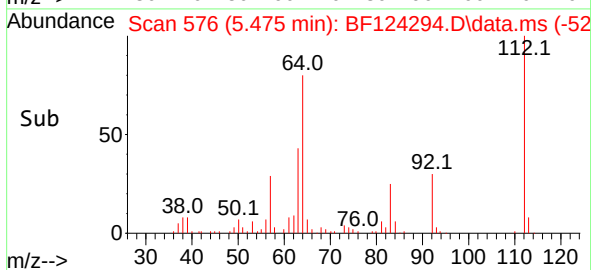
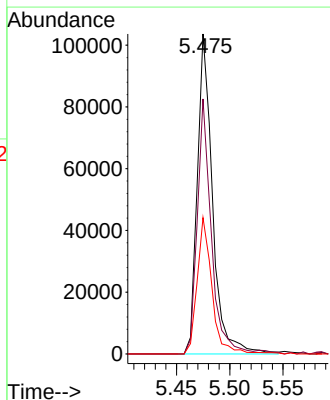
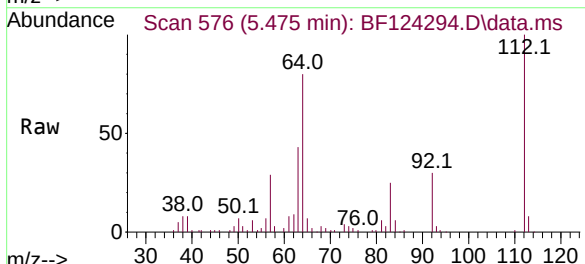
Instrument :
BNA_F
ClientSampleId :
B67

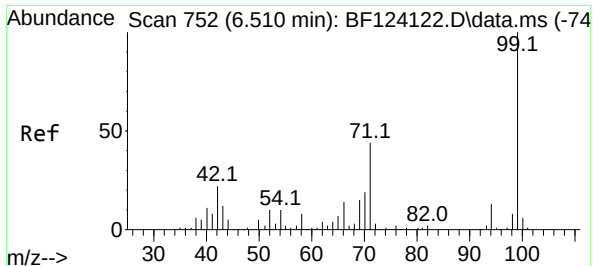
Tgt Ion:152 Resp: 34917
Ion Ratio Lower Upper
152 100
150 157.2 127.0 190.6
115 61.8 54.3 81.5



#5
2-Fluorophenol
Concen: 44.693 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Tgt Ion:112 Resp: 103668
Ion Ratio Lower Upper
112 100
64 79.7 61.4 92.0
63 42.6 33.0 49.4

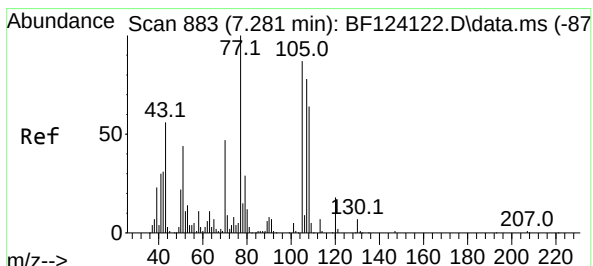
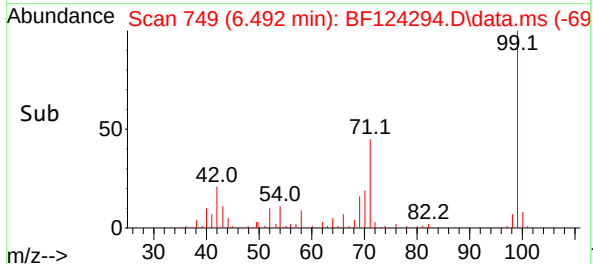
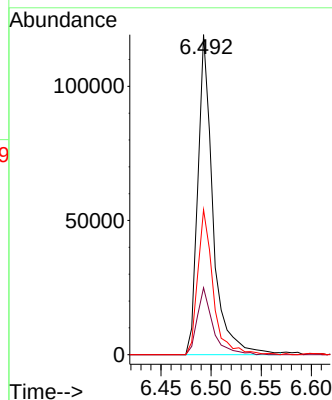
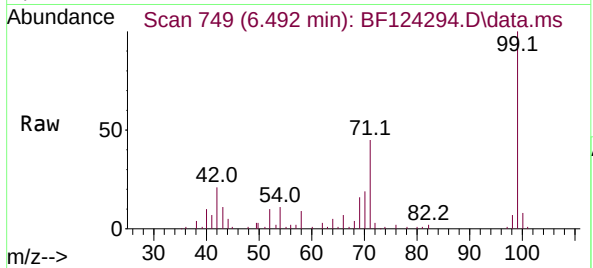




#7
Phenol-d6
Concen: 40.110 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

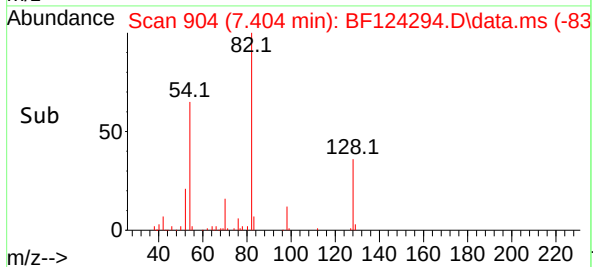
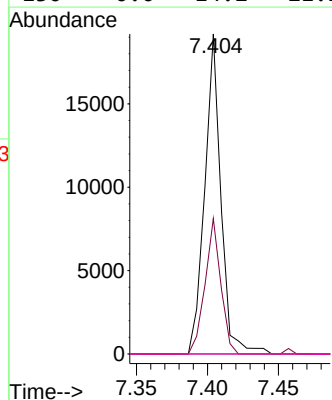
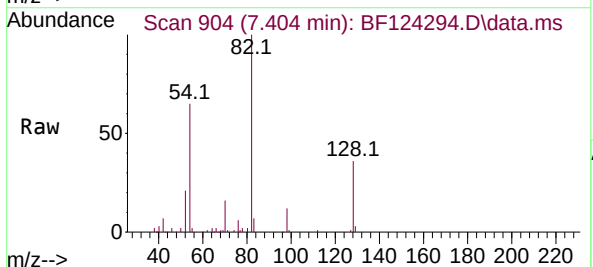
Instrument :
BNA_F
ClientSampled :
B67

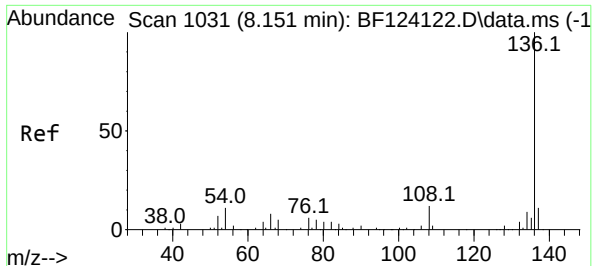
Tgt Ion:	99	Resp:	125055
Ion	Ratio	Lower	Upper
99	100		
42	20.9	19.8	29.8
71	45.3	31.1	46.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.946 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

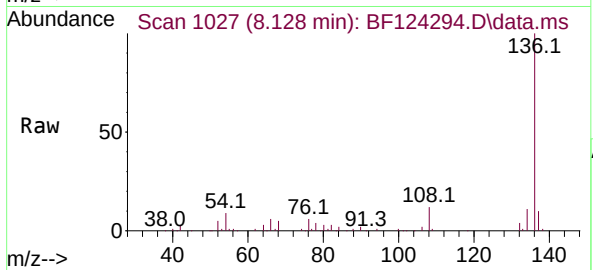
Tgt Ion:	70	Resp:	15287
Ion	Ratio	Lower	Upper
70	100		
42	42.4	60.1	90.1#
101	0.0	7.4	11.2#
130	0.0	14.2	21.2#





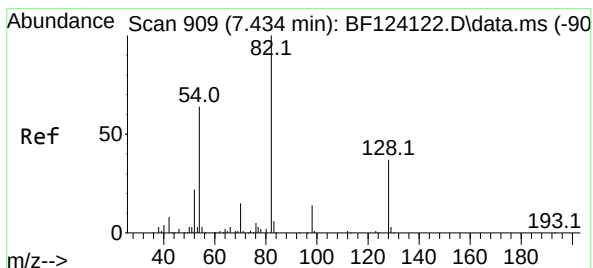
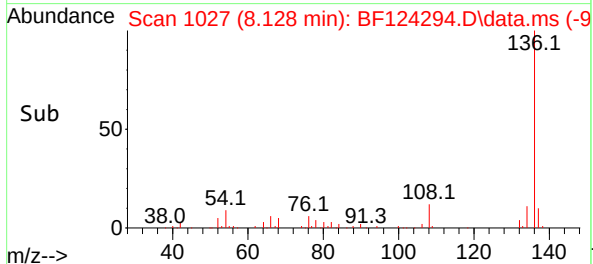
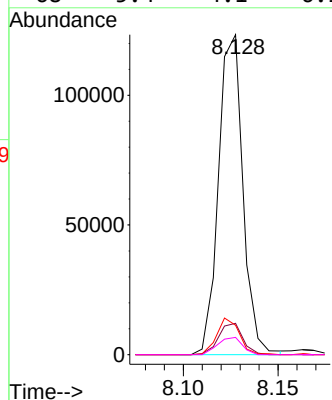
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Instrument :
BNA_F
ClientSampled :
B67



Tgt Ion: 136 Resp: 110772

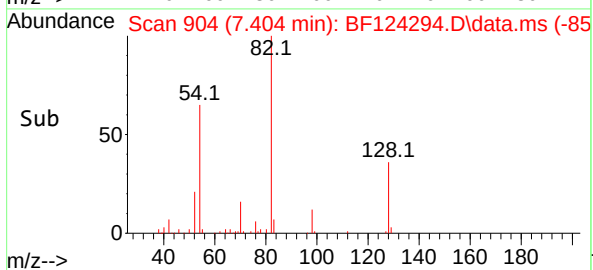
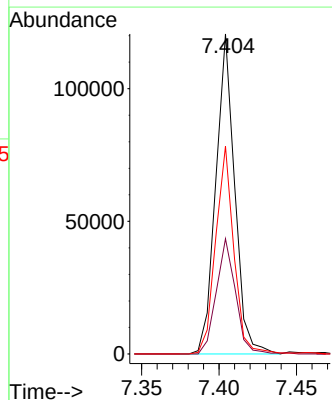
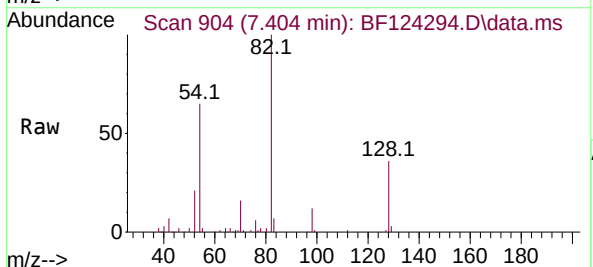
Ion	Ratio	Lower	Upper
136	100		
137	9.8	8.7	13.1
54	9.2	9.8	14.6#
68	5.4	4.1	6.1

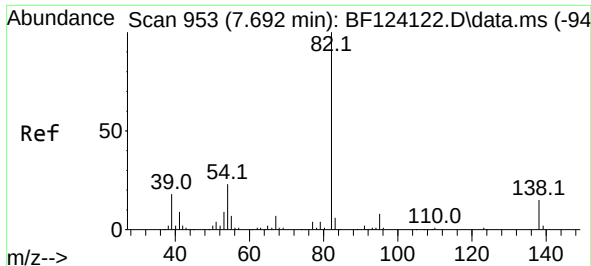


#23
Nitrobenzene-d5
Concen: 36.685 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Tgt Ion: 82 Resp: 102459

Ion	Ratio	Lower	Upper
82	100		
128	36.0	29.4	44.2
54	64.9	54.1	81.1

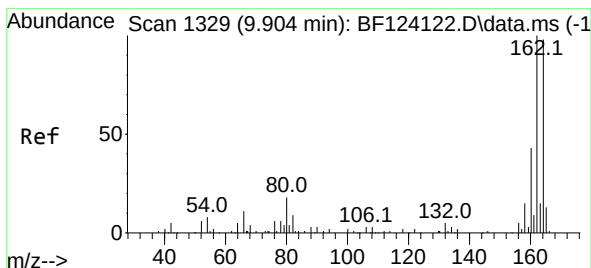
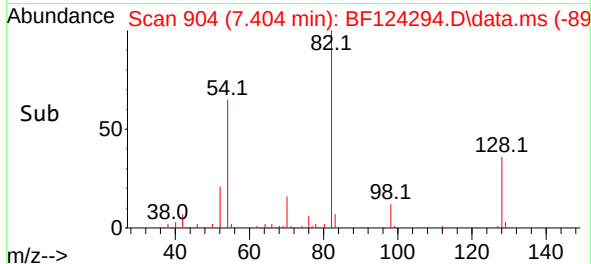
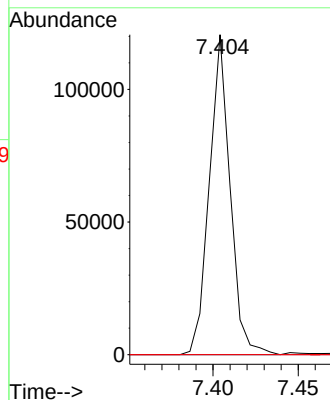
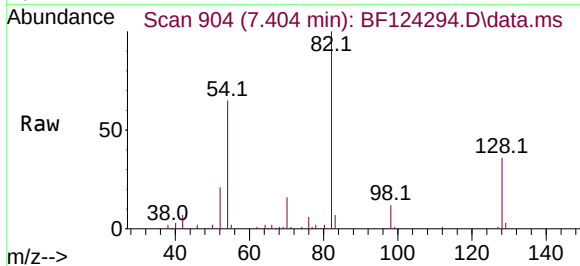




#25
Isophorone
Concen: 20.357 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.270 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

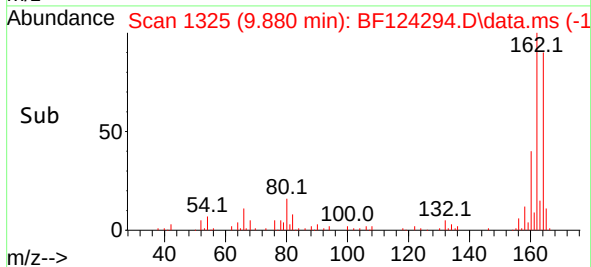
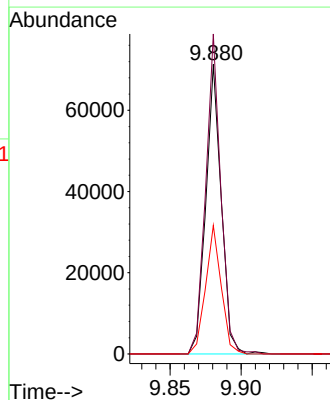
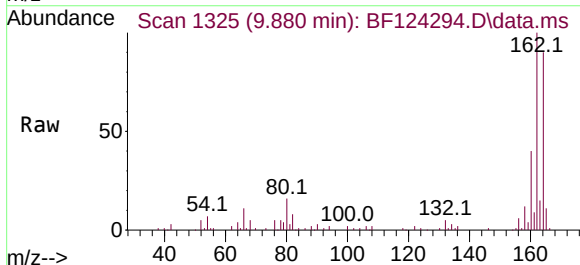
Instrument :
BNA_F
ClientSampleId :
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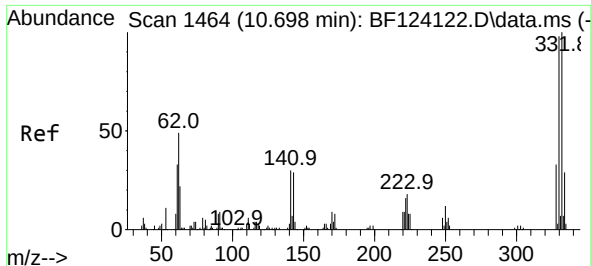
Tgt Ion: 82 Resp: 102456
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Tgt Ion: 164 Resp: 53981
Ion Ratio Lower Upper
164 100
162 110.5 80.7 121.1
160 44.4 37.3 55.9

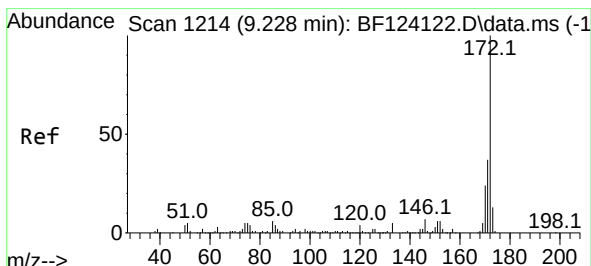
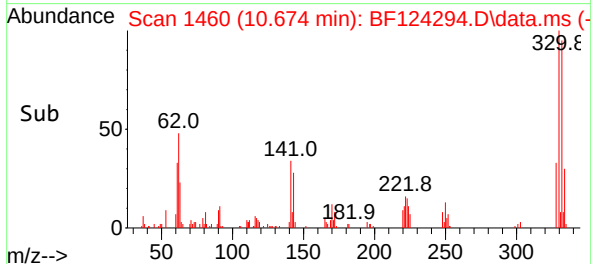
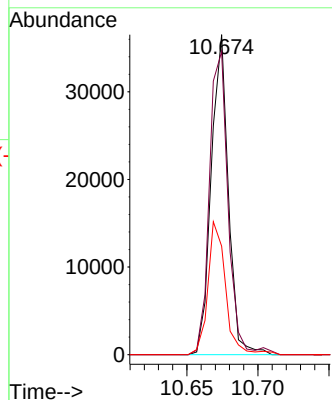
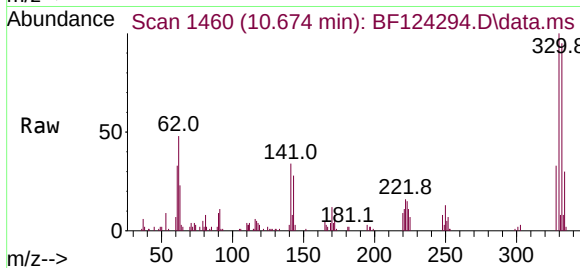




#42
2,4,6-Tribromophenol
Concen: 40.022 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

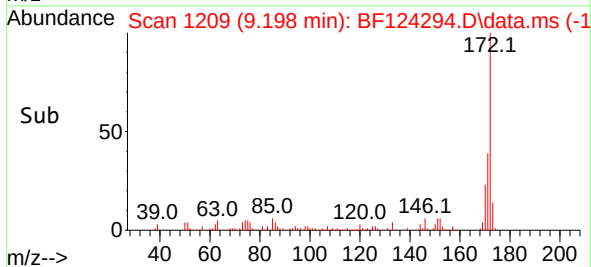
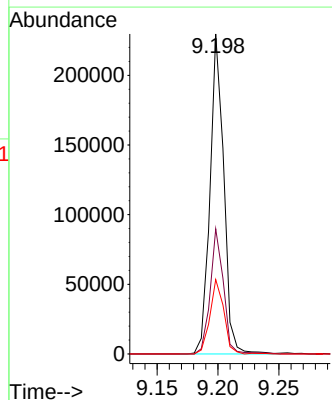
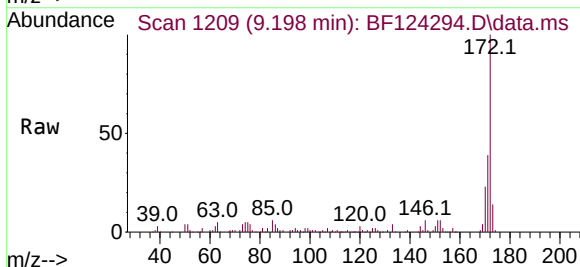
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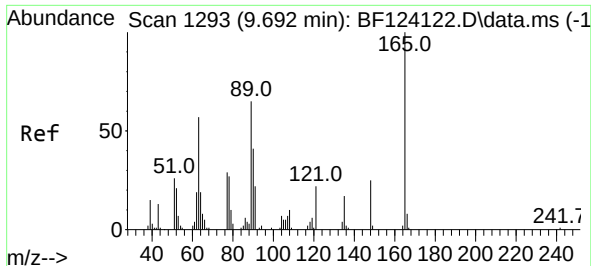
Tgt Ion: 330 Resp: 30608
Ion Ratio Lower Upper
330 100
332 103.6 77.1 115.7
141 43.0 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 42.091 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Tgt Ion: 172 Resp: 180561
Ion Ratio Lower Upper
172 100
171 39.1 28.1 42.1
170 23.3 19.2 28.8

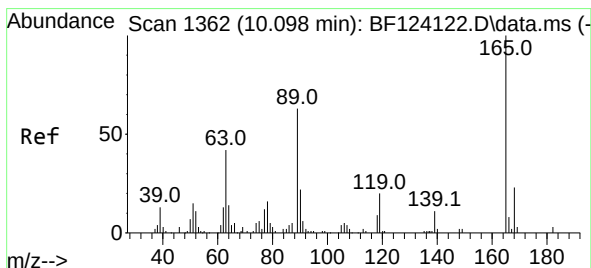
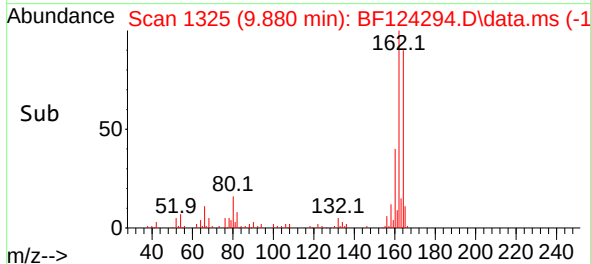
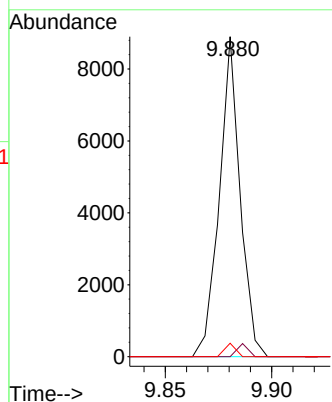
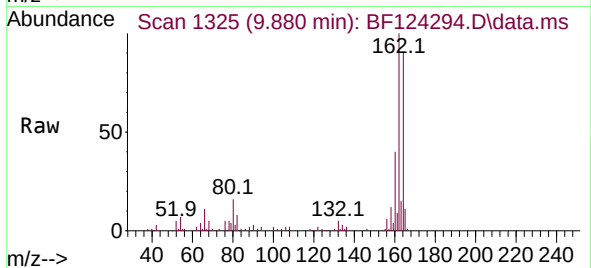




#51
2,6-Dinitrotoluene
Concen: 5.877 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.200 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

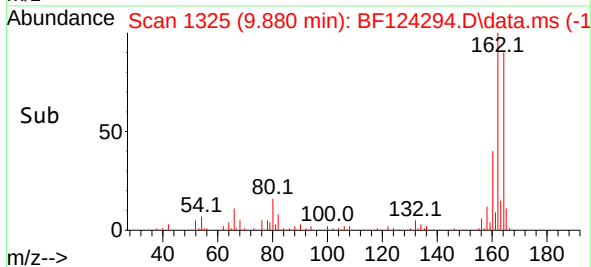
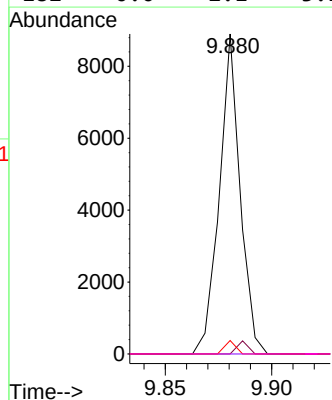
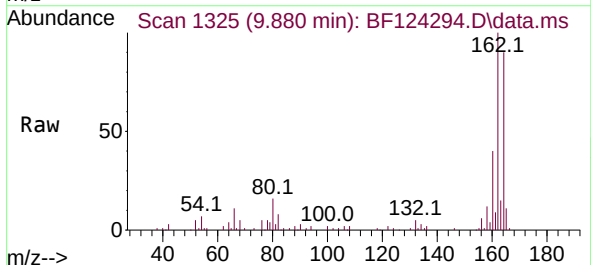
Instrument :
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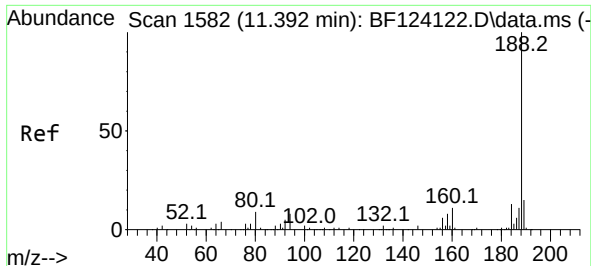
Tgt Ion:165 Resp: 6018
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 4.2 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 4.456 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Tgt Ion:165 Resp: 6018
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 4.2 67.7 101.5#
182 0.0 2.1 3.1#

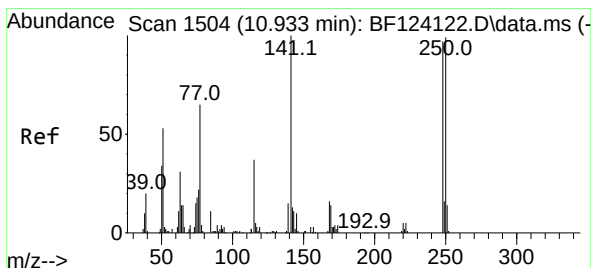
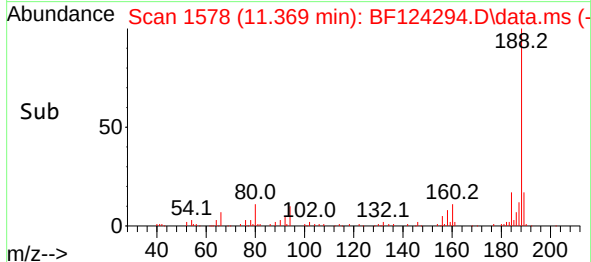
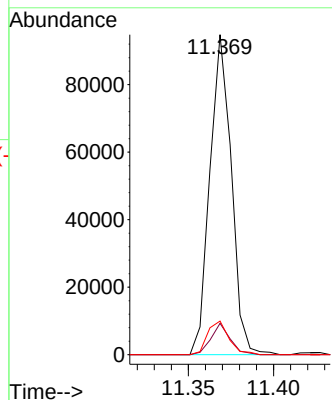
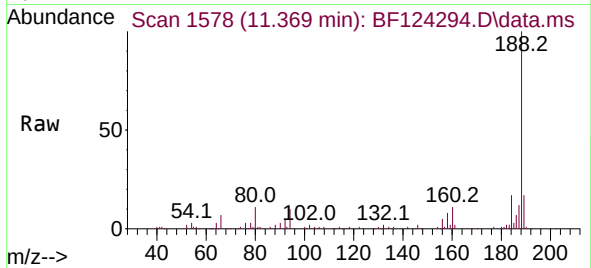




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

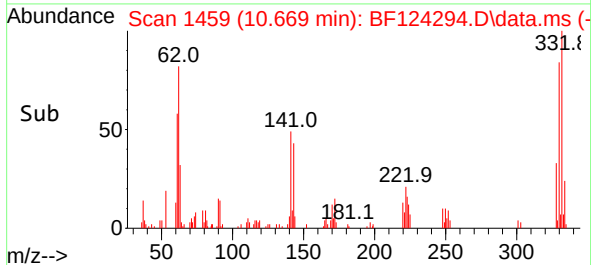
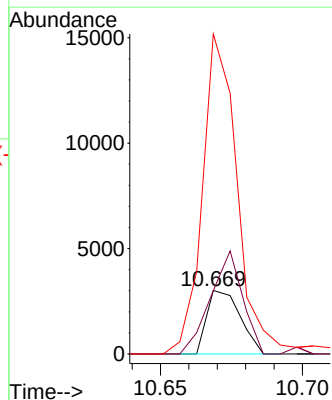
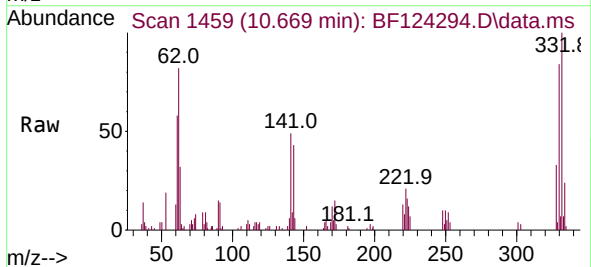
Instrument :
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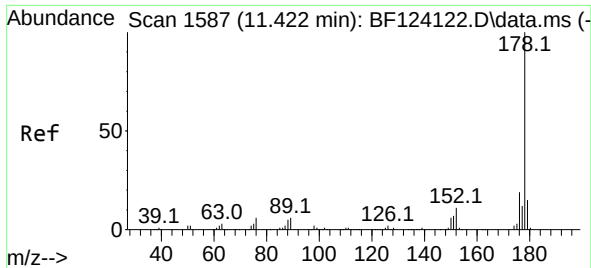
Tgt Ion:188 Resp: 83144
Ion Ratio Lower Upper
188 100
94 9.8 6.9 10.3
80 10.5 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 2.148 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.253 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Tgt Ion:248 Resp: 2451
Ion Ratio Lower Upper
248 100
250 99.7 77.4 116.2
141 503.8 63.7 95.5#

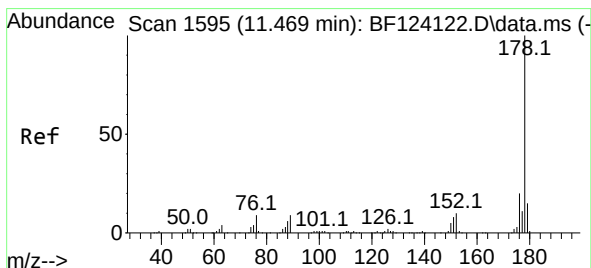
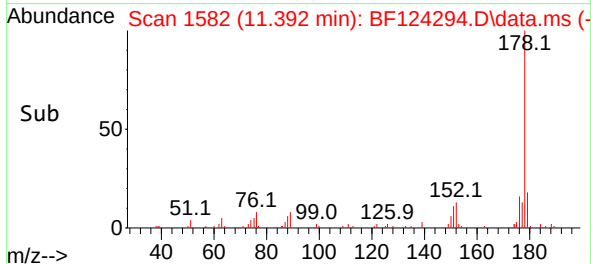
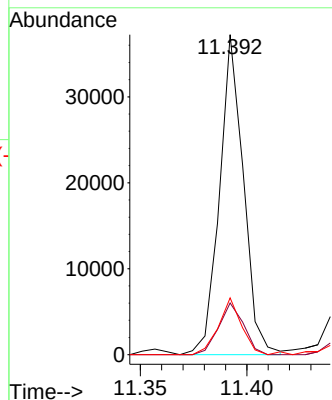
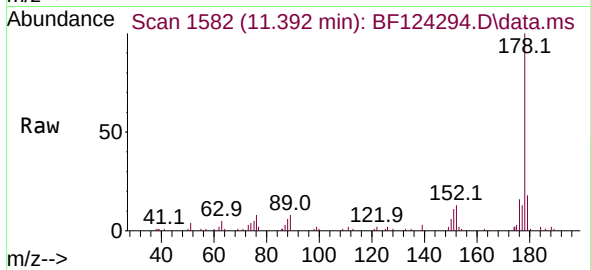




#71
Phenanthrene
Concen: 5.597 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

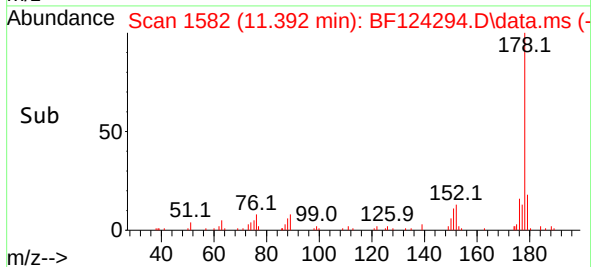
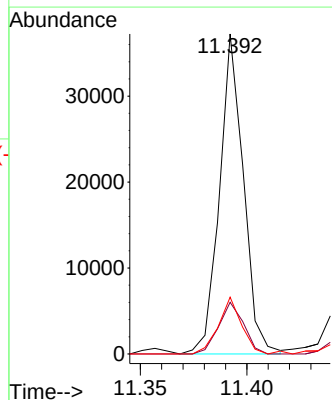
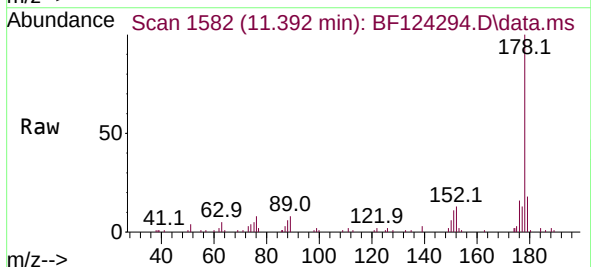
Instrument :
BNA_F
ClientSampled :
B67

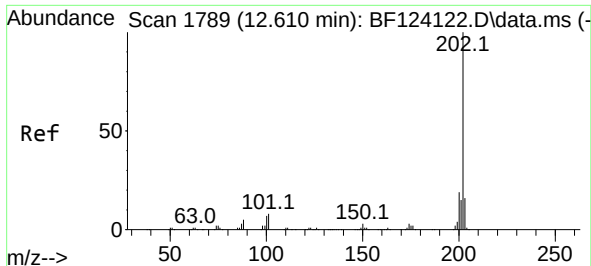
Tgt Ion:178	Resp:	29069
Ion Ratio	Lower	Upper
178	100	
176	16.1	15.6 23.4
179	17.7	12.5 18.7



#72
Anthracene
Concen: 5.557 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.065 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Tgt Ion:178	Resp:	29069
Ion Ratio	Lower	Upper
178	100	
176	16.1	15.4 23.0
179	17.7	12.6 18.8

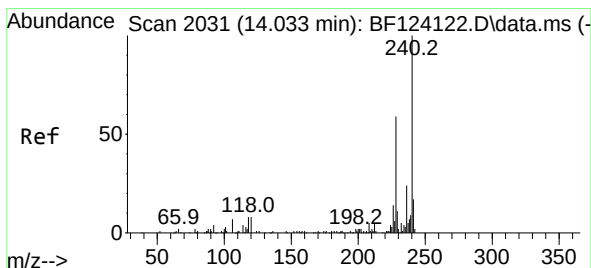
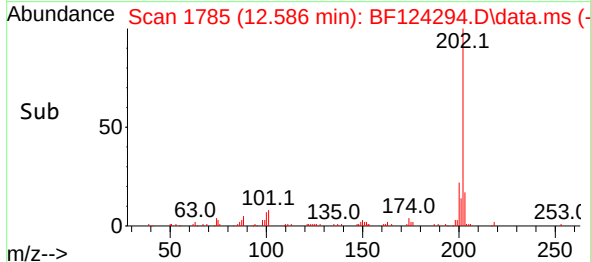
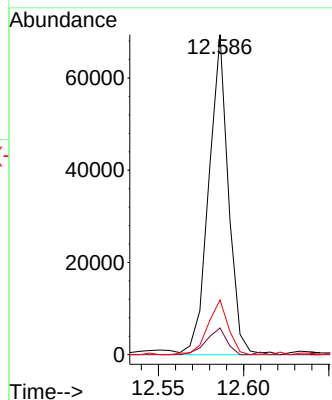
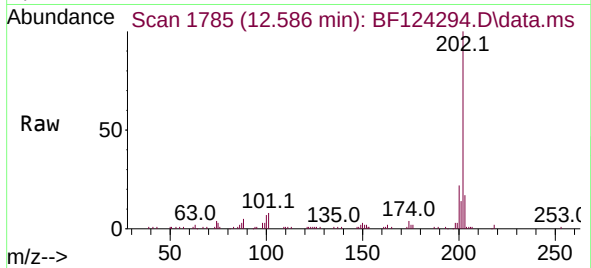




#75
Fluoranthene
Concen: 10.189 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

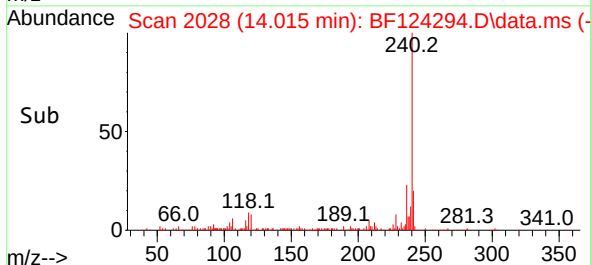
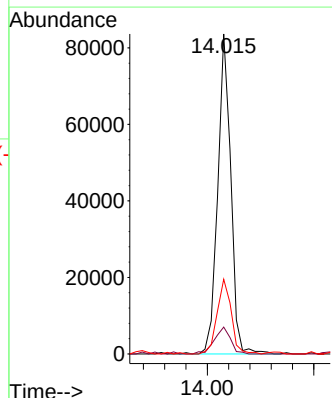
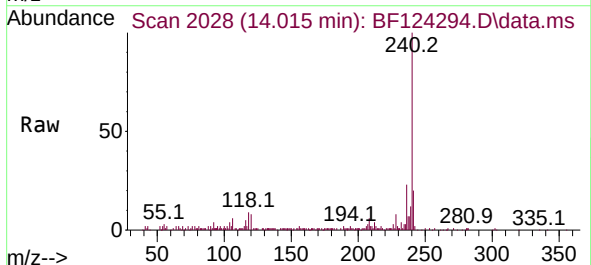
Instrument :
BNA_F
ClientSampled :
B67

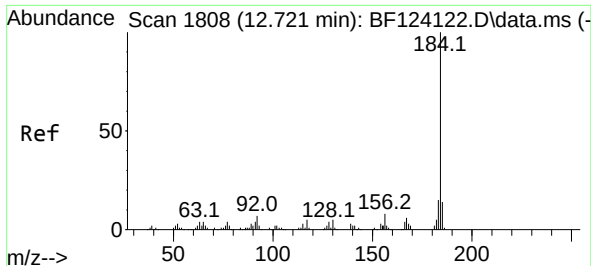
Tgt Ion:	202	Resp:	55549
Ion Ratio	Lower	Upper	
202	100		
101	8.4	0.0	30.9
203	17.1	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Tgt Ion:	240	Resp:	71037
Ion Ratio	Lower	Upper	
240	100		
120	8.4	7.2	10.8
236	23.4	19.0	28.4

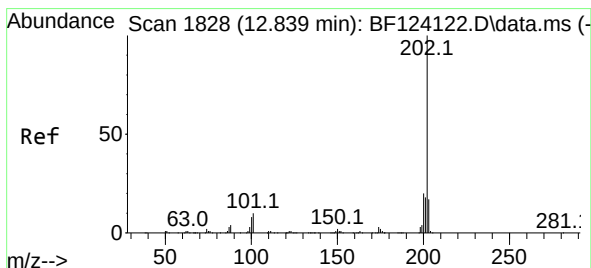
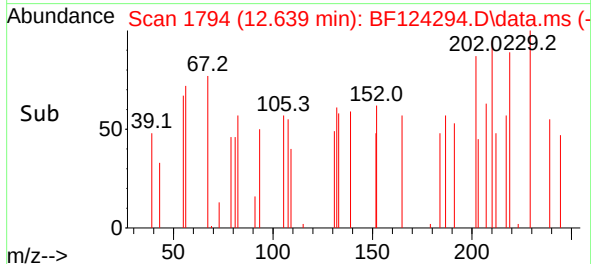
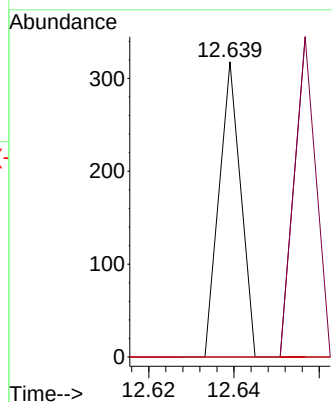
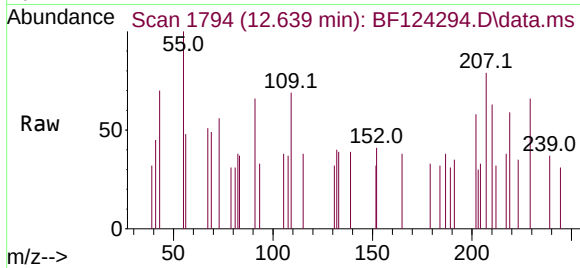




#77
Benzidine
Concen: 4.123 ng
RT: 12.639 min Scan# 1794
Delta R.T. -0.070 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

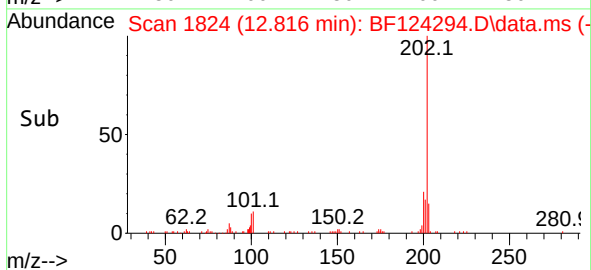
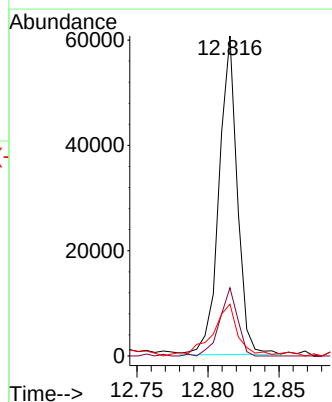
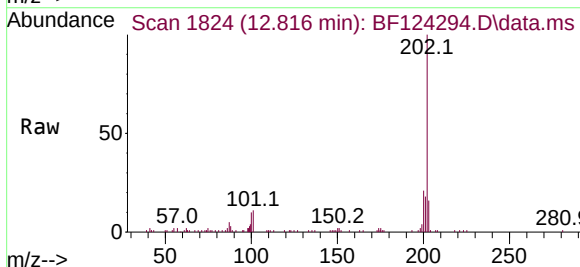
Instrument :
BNA_F
ClientSampled :
B67

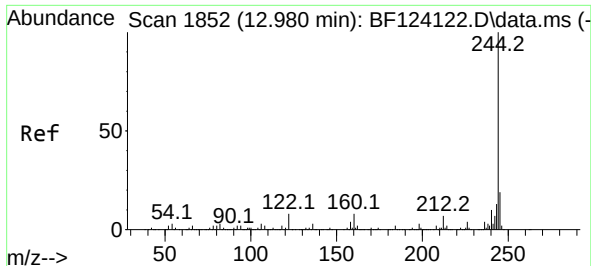
Tgt Ion:184 Resp: 112
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#



#78
Pyrene
Concen: 7.923 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Tgt Ion:202 Resp: 54046
Ion Ratio Lower Upper
202 100
200 21.3 16.1 24.1
203 16.2 14.8 22.2

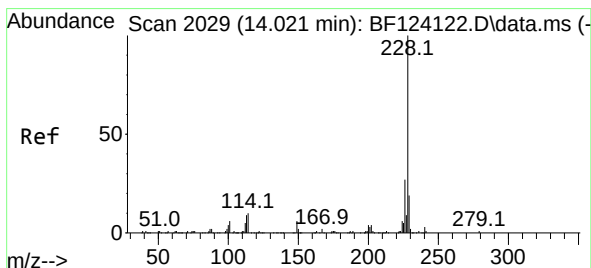
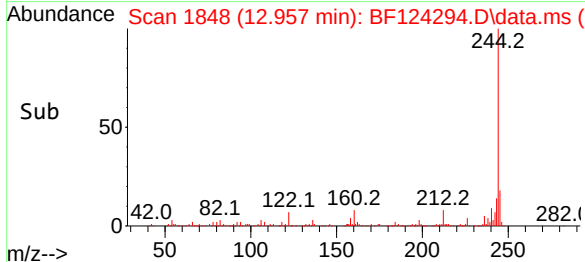
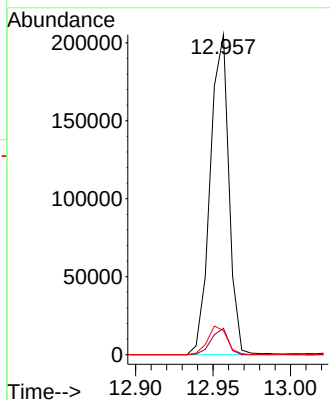
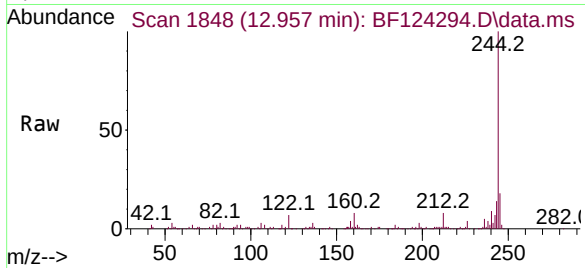




#79
 Terphenyl-d14
 Concen: 33.384 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF124294.D
 Acq: 12 Jun 2021 19:23

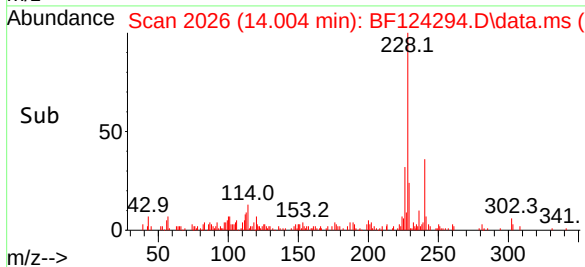
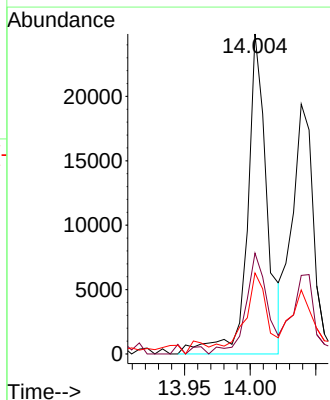
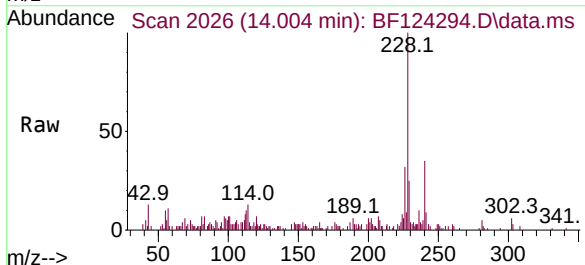
Instrument :
 BNA_F
 ClientSampled :
 B67

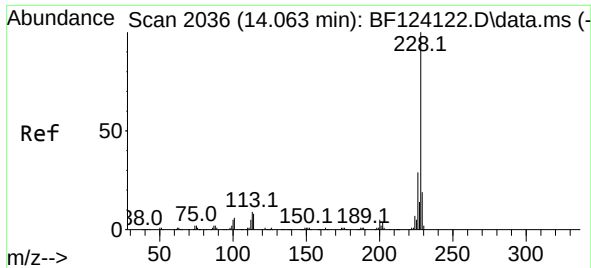
Tgt Ion:244 Resp: 172730
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.7 8.5
 122 7.5 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 4.976 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.006 min
 Lab File: BF124294.D
 Acq: 12 Jun 2021 19:23

Tgt Ion:228 Resp: 25750
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.4 33.6
 229 25.3 16.0 24.0#

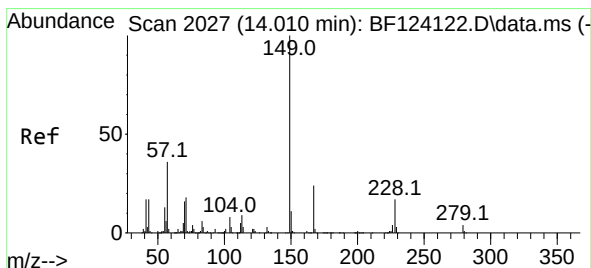
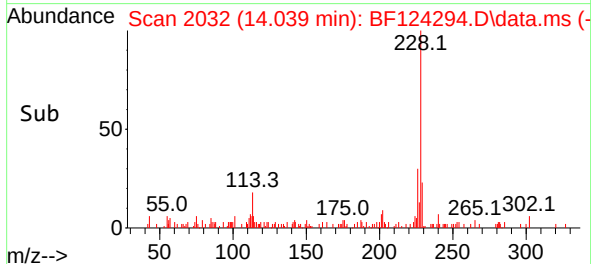
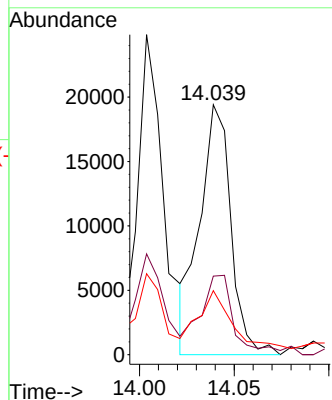
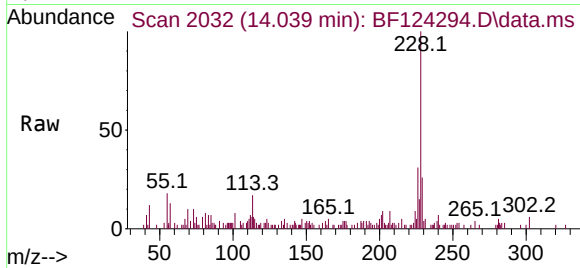




#83
Chrysene
Concen: 4.444 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

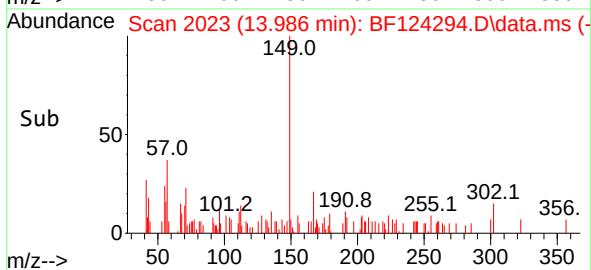
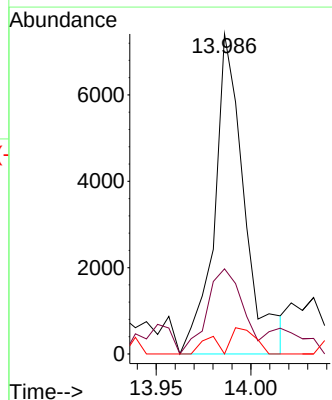
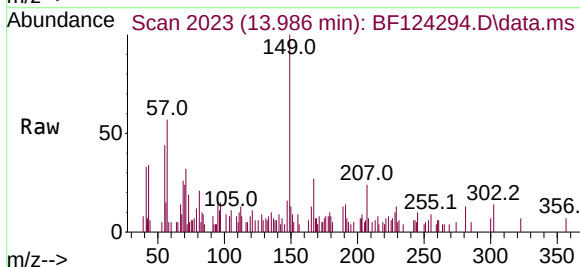
Instrument :
BNA_F
ClientSampled :
B67

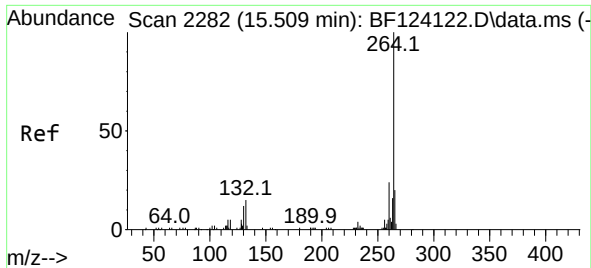
Tgt Ion:228	Resp:	22188
Ion Ratio	Lower	Upper
228	100	
226	31.4	24.3 36.5
229	25.6	16.2 24.2#



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.486 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Tgt Ion:149	Resp:	8183
Ion Ratio	Lower	Upper
149	100	
167	26.6	21.8 32.6
279	0.0	3.3 4.9#

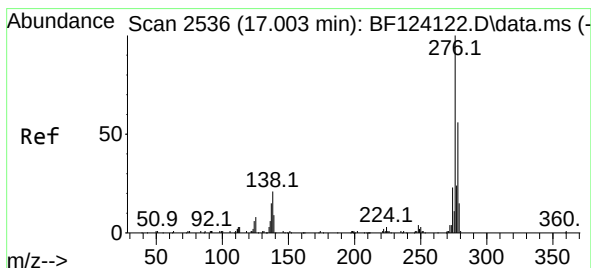
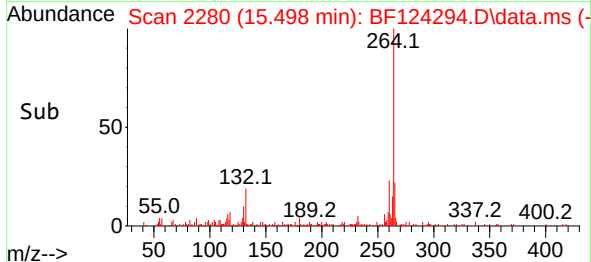
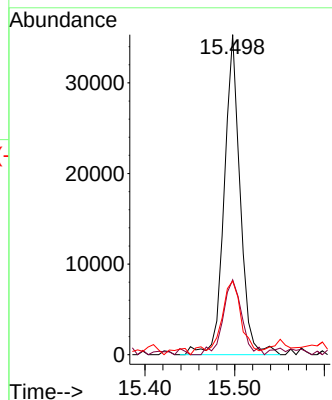
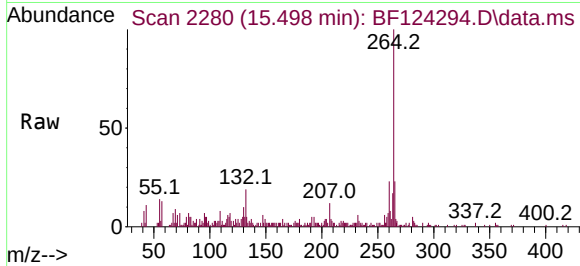




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2280
 Delta R.T. 0.006 min
 Lab File: BF124294.D
 Acq: 12 Jun 2021 19:23

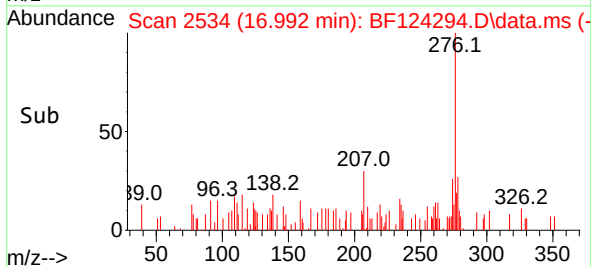
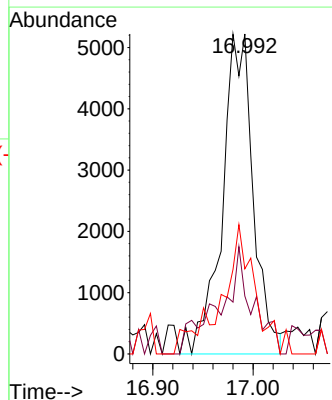
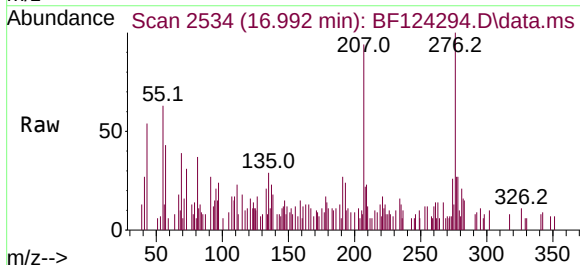
Instrument :
 BNA_F
 ClientSampled :
 B67

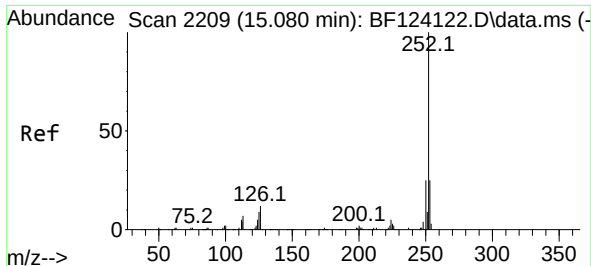
Tgt Ion:264	Resp:	43585
Ion Ratio	Lower	Upper
264	100	
260	23.4	18.7 28.1
265	23.0	17.8 26.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.161 ng
 RT: 16.992 min Scan# 2534
 Delta R.T. 0.012 min
 Lab File: BF124294.D
 Acq: 12 Jun 2021 19:23

Tgt Ion:276	Resp:	11268
Ion Ratio	Lower	Upper
276	100	
138	36.5	16.2 24.2#
277	44.5	20.1 30.1#

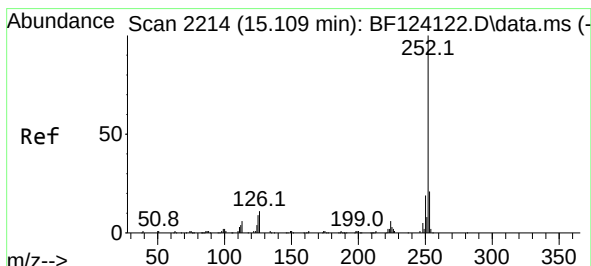
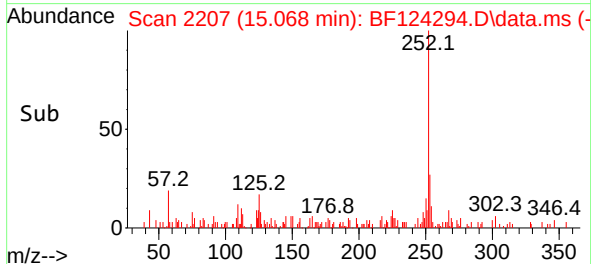
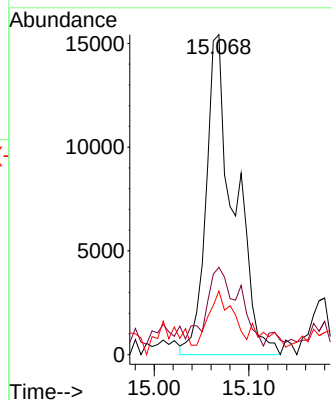
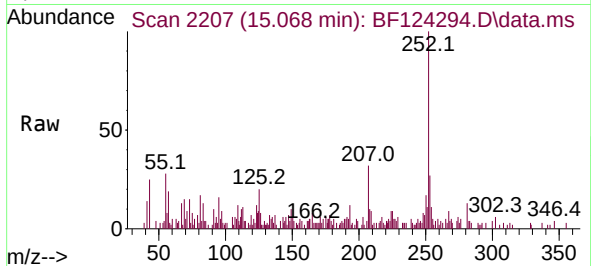




#88
Benzo(b)fluoranthene
Concen: 9.360 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

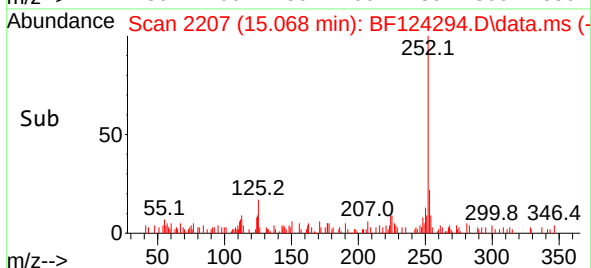
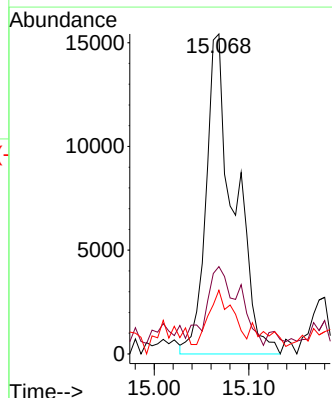
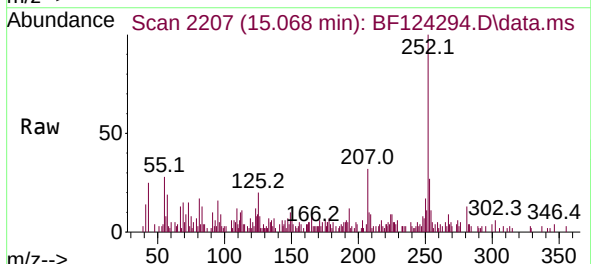
Instrument :
BNA_F
ClientSampled :
B67

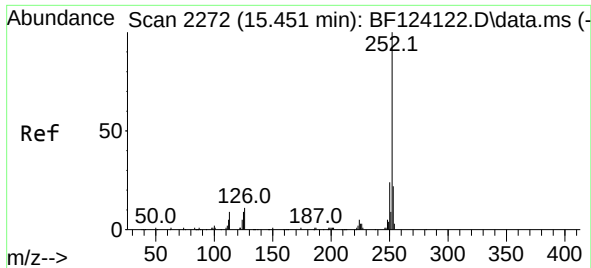
Tgt Ion:252 Resp: 31691
Ion Ratio Lower Upper
252 100
253 27.3 18.1 27.1#
125 19.9 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 9.887 ng
RT: 15.068 min Scan# 2207
Delta R.T. -0.023 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Tgt Ion:252 Resp: 31691
Ion Ratio Lower Upper
252 100
253 27.3 17.9 26.9#
125 19.9 7.0 10.6#

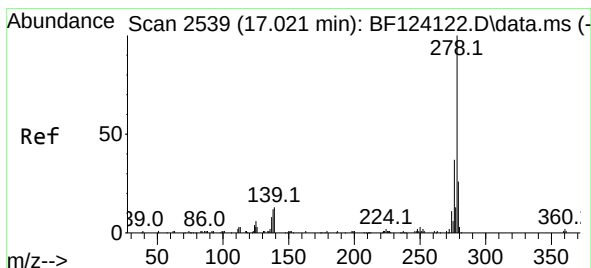
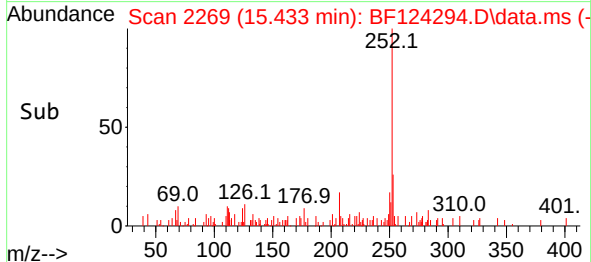
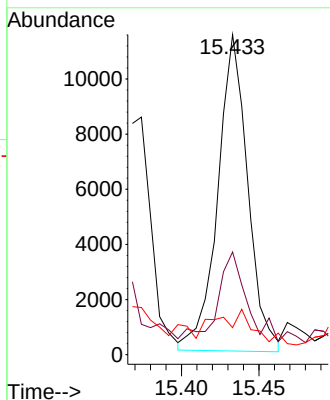
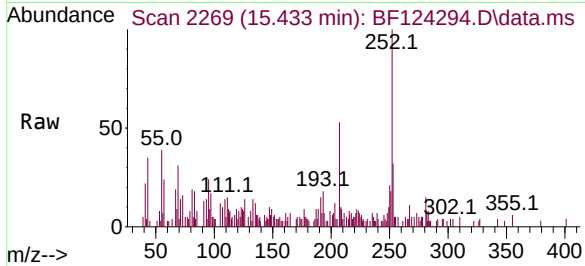




#90
Benzo(a)pyrene
Concen: 5.248 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

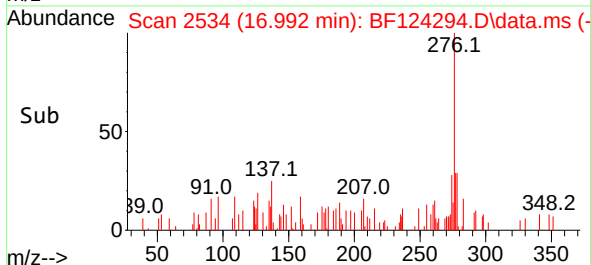
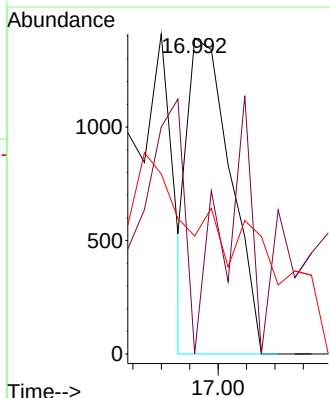
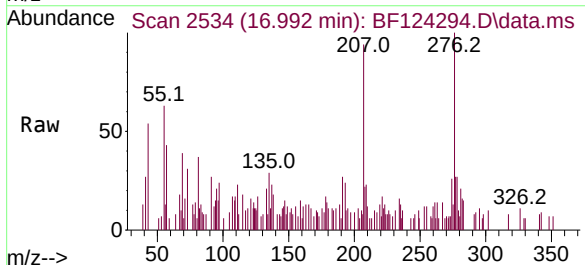
Instrument :
BNA_F
ClientSampled :
B67

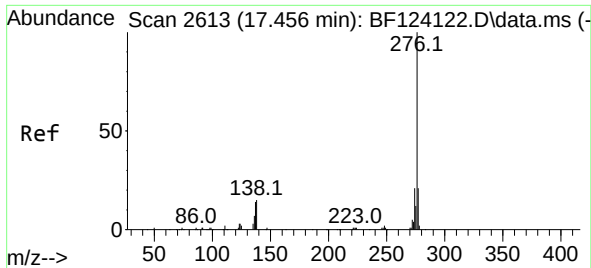
Tgt Ion:252 Resp: 15433
Ion Ratio Lower Upper
252 100
253 32.1 18.4 27.6#
125 8.5 8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 4.600 ng
RT: 16.992 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Tgt Ion:278 Resp: 1441
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 37.4 19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 7.351 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.006 min
Lab File: BF124294.D
Acq: 12 Jun 2021 19:23

Instrument :
BNA_F
ClientSampled :
B67

Tgt Ion:276	Resp:	11760
Ion Ratio	Lower	Upper
276	100	
277	20.5	18.2 27.2
138	22.6	13.8 20.6#

