

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
 Data File : BF124253.D
 Acq On : 11 Jun 2021 2:17
 Operator : JU/CG
 Sample : M2647-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-060821

Quant Time: Jun 11 06:10:04 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)

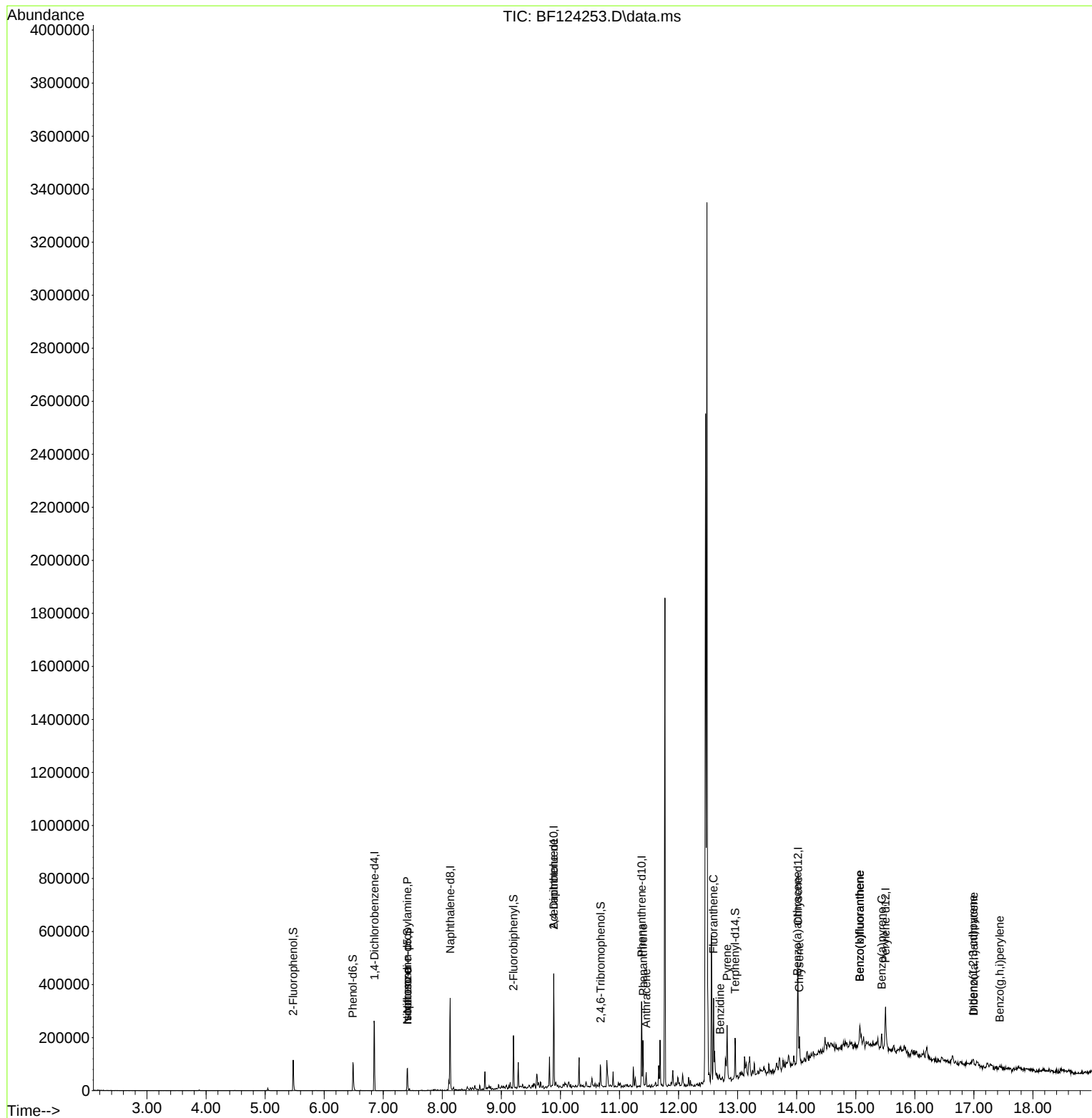
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	34365	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	128812	20.00	ng	0.00
39) Acenaphthene-d10	9.886	164	70066	20.00	ng	0.00
64) Phenanthrene-d10	11.375	188	95495	20.00	ng	0.00
76) Chrysene-d12	14.021	240	87704	20.00	ng	0.00
86) Perylene-d12	15.504	264	54087	20.00	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	24580	10.77	ng	0.00
7) Phenol-d6	6.487	99	32586	10.62	ng	-0.01
23) Nitrobenzene-d5	7.410	82	25915	7.98	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	8633	8.70	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	49558	8.90	ng	0.00
79) Terphenyl-d14	12.957	244	39888	6.24	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	4550	2.10	ng	# 53
25) Isophorone	7.410	82	25915	4.43	ng	# 69
57) 2,4-Dinitrotoluene	9.886	165	9792	5.59	ng	# 19
71) Phenanthrene	11.398	178	49734	8.34	ng	99
72) Anthracene	11.451	178	16343	2.72	ng	96
75) Fluoranthene	12.592	202	89299	14.26	ng	98
77) Benzidine	12.704	184	269	4.18	ng	# 68
78) Pyrene	12.822	202	73206	8.69	ng	100
81) Benzo(a)anthracene	14.010	228	40302	6.31	ng	# 93
83) Chrysene	14.045	228	31344	5.08	ng	# 87
87) Indeno(1,2,3-cd)pyrene	16.986	276	9344	6.22	ng	# 73
88) Benzo(b)fluoranthene	15.068	252	43464	10.34	ng	# 93
89) Benzo(k)fluoranthene	15.068	252	43464	10.93	ng	# 93
90) Benzo(a)pyrene	15.439	252	17116	4.69	ng	# 93
91) Dibenzo(a,h)anthracene	16.998	278	3989	5.12	ng	# 49
92) Benzo(g,h,i)perylene	17.439	276	9819	6.19	ng	# 89

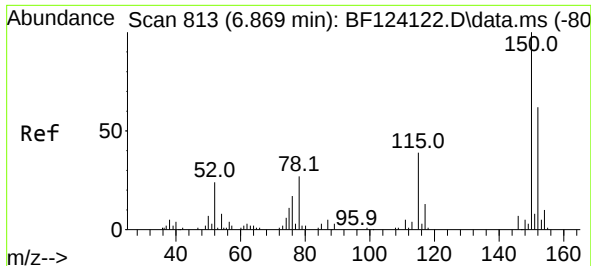
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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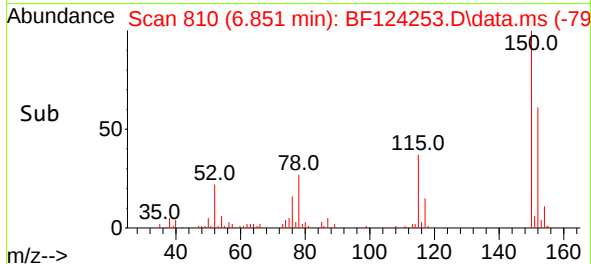
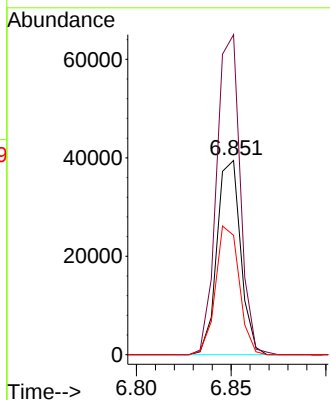
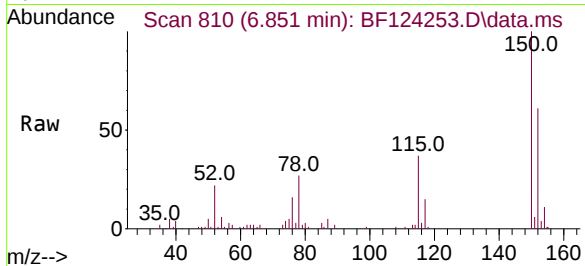




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

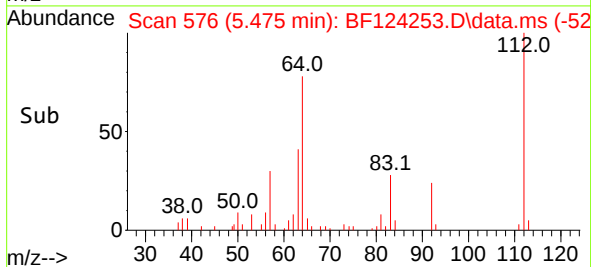
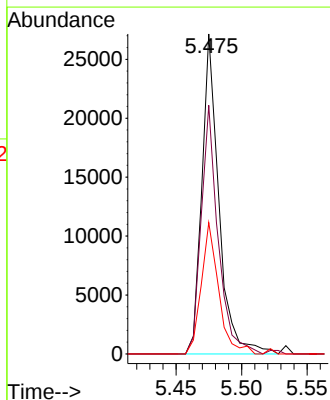
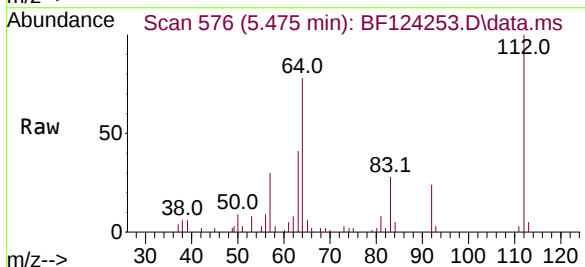
Instrument :
BNA_F
ClientSampleId :
SU-01-060821

Tgt Ion:152 Resp: 34365
Ion Ratio Lower Upper
152 100
150 164.7 127.0 190.6
115 61.4 54.3 81.5



#5
2-Fluorophenol
Concen: 10.77 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

Tgt Ion:112 Resp: 24580
Ion Ratio Lower Upper
112 100
64 77.7 61.4 92.0
63 41.0 33.0 49.4

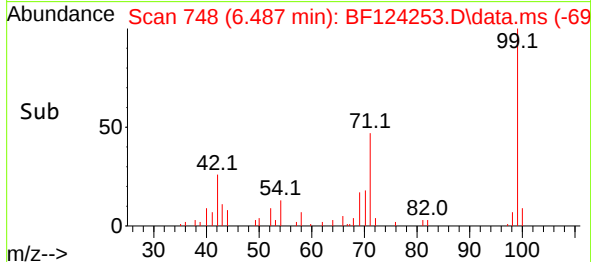
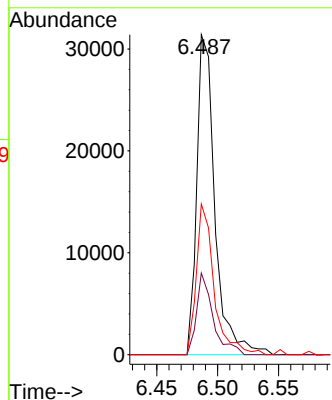
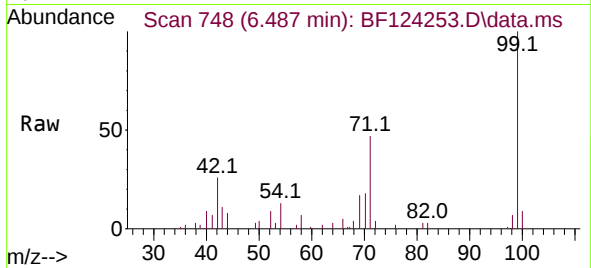




#7
Phenol-d6
Concen: 10.62 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

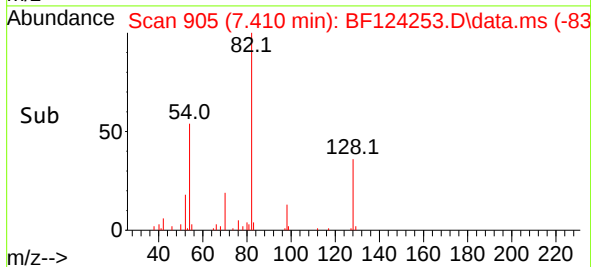
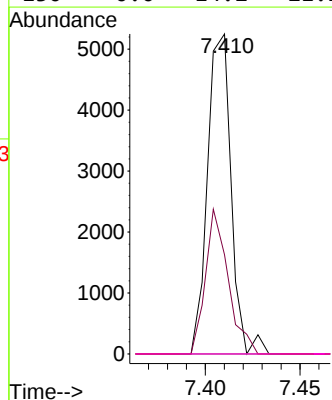
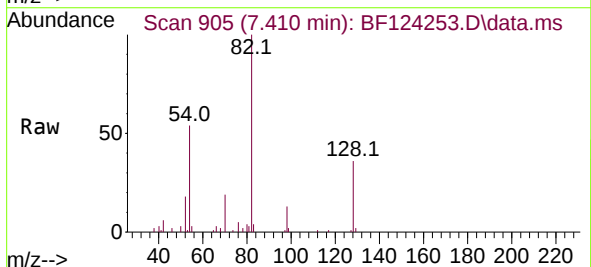
Instrument :
BNA_F
ClientSampleId :
SU-01-060821

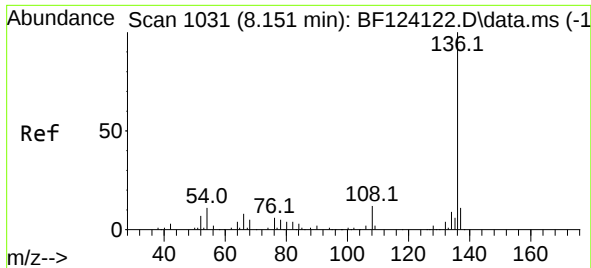
Tgt Ion: 99 Resp: 32586
Ion Ratio Lower Upper
99 100
42 25.5 19.8 29.8
71 47.1 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 2.10 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

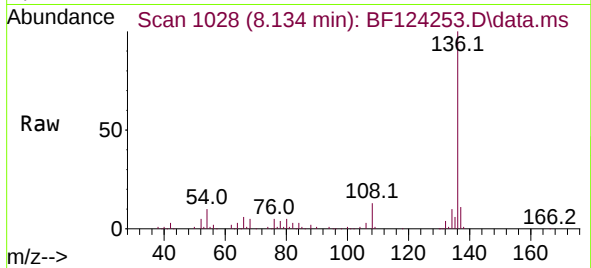
Tgt Ion: 70 Resp: 4550
Ion Ratio Lower Upper
70 100
42 31.0 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



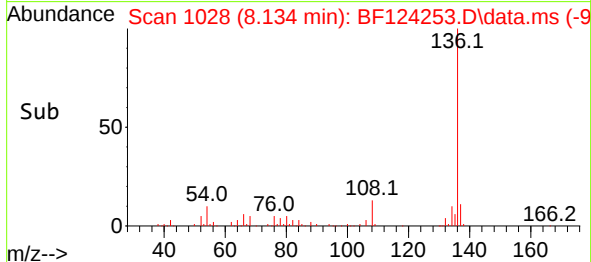
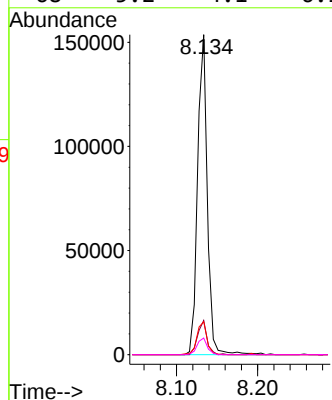


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

Instrument :
BNA_F
ClientSampleId :
SU-01-060821

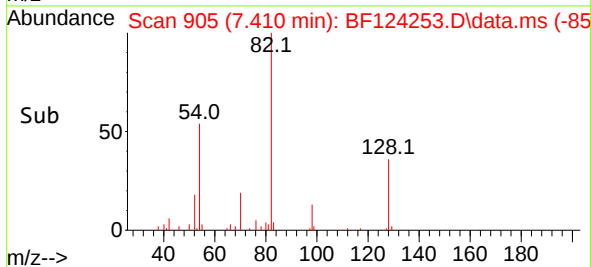
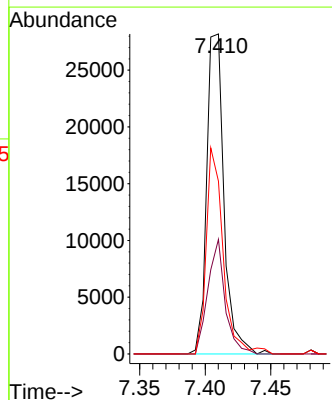
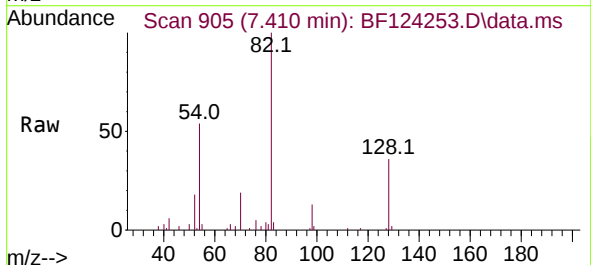


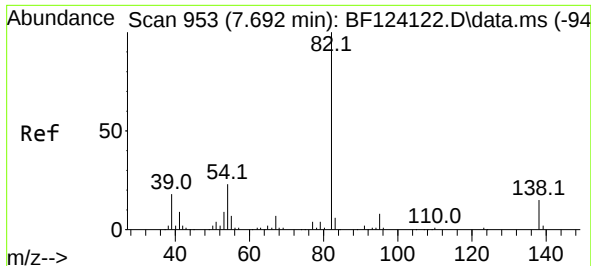
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	10.3	9.8	14.6
68	5.2	4.1	6.1



#23
Nitrobenzene-d5
Concen: 7.98 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.4	44.2
54	54.0	54.1	81.1#

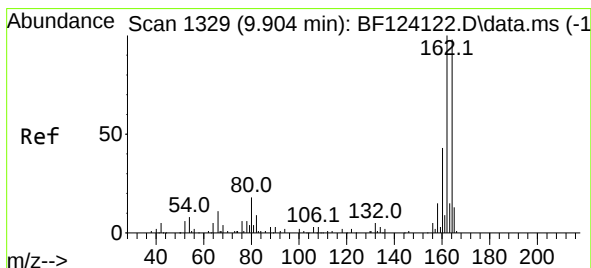
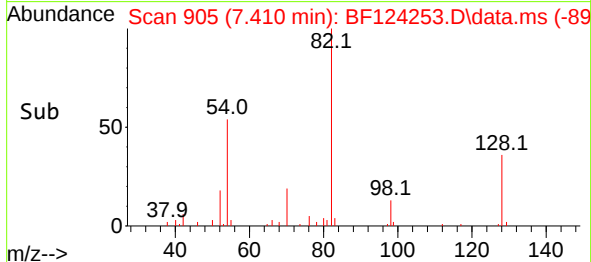
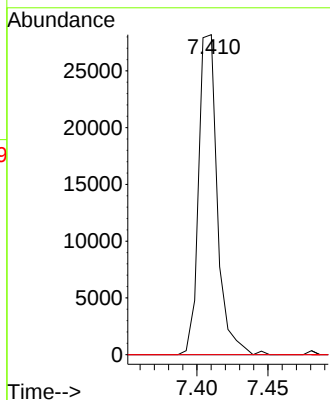
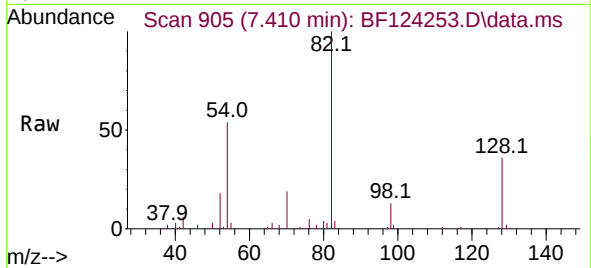




#25
Isophorone
Concen: 4.43 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.264 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

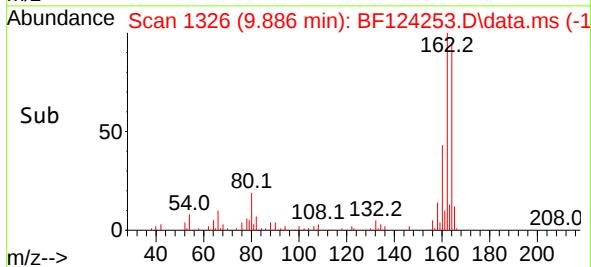
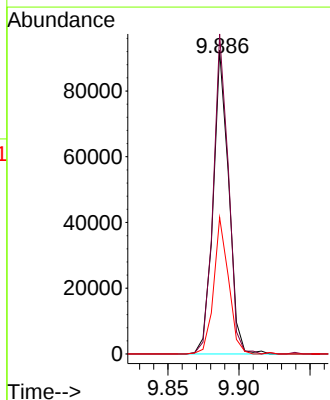
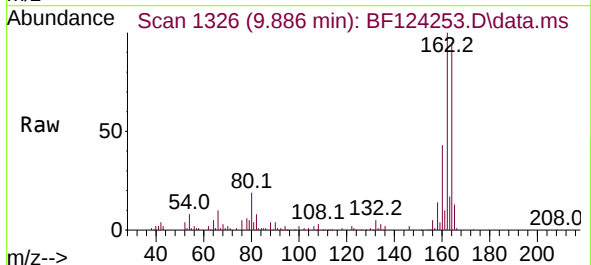
Instrument :
BNA_F
ClientSampleId :
SU-01-060821

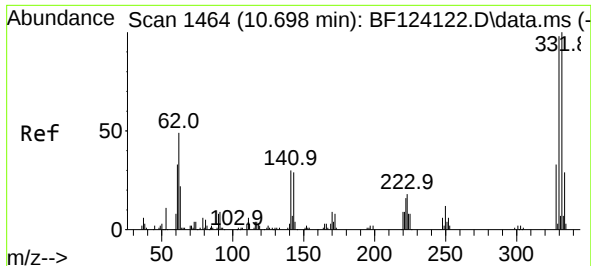
Tgt Ion: 82 Resp: 25915
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

Tgt Ion:164 Resp: 70066
Ion Ratio Lower Upper
164 100
162 105.5 80.7 121.1
160 45.0 37.3 55.9

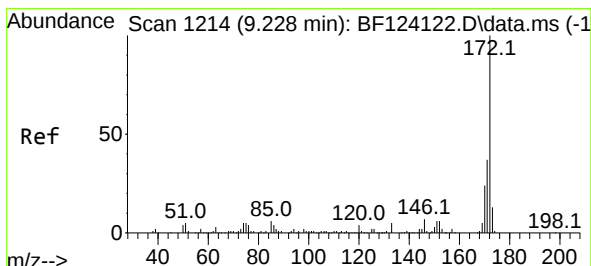
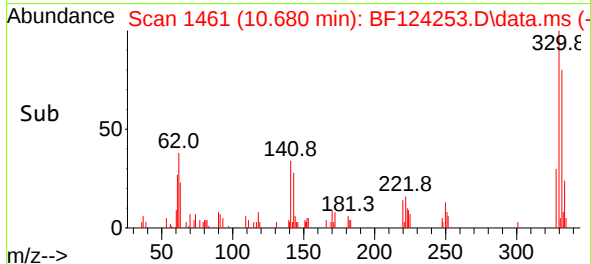
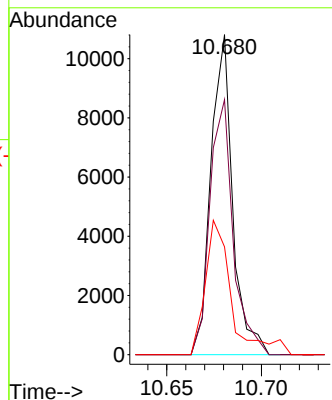
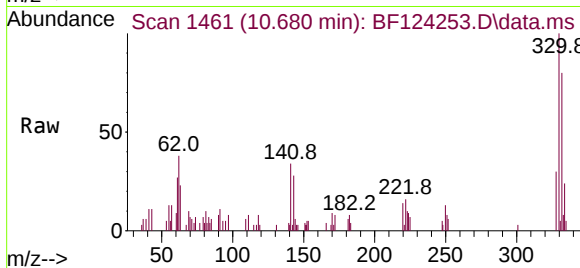




#42
2,4,6-Tribromophenol
Concen: 8.70 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

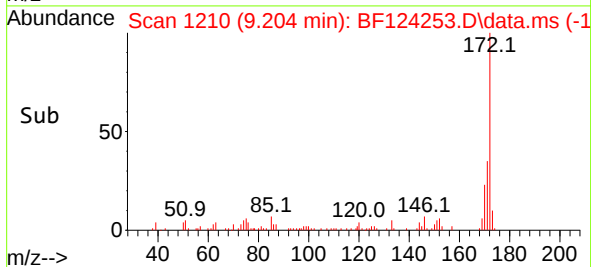
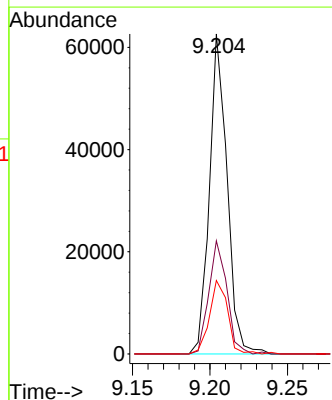
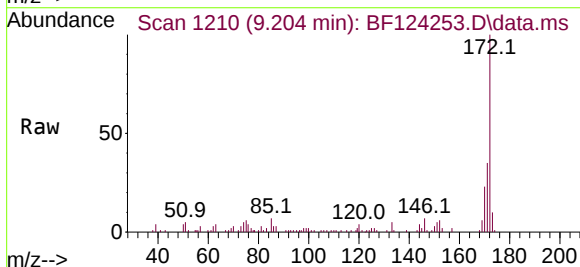
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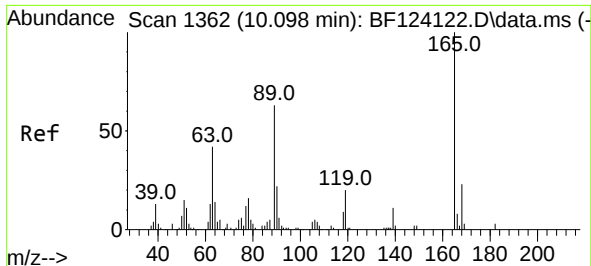
Tgt Ion: 330 Resp: 8633
Ion Ratio Lower Upper
330 100
332 85.5 77.1 115.7
141 50.6 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 8.90 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

Tgt Ion: 172 Resp: 49558
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.0 19.2 28.8

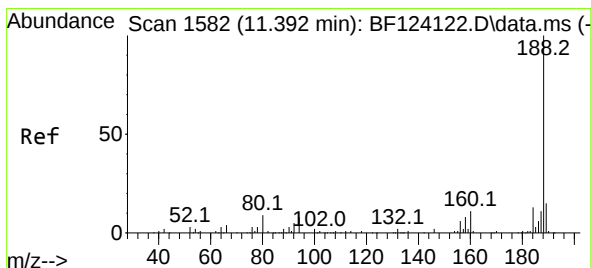
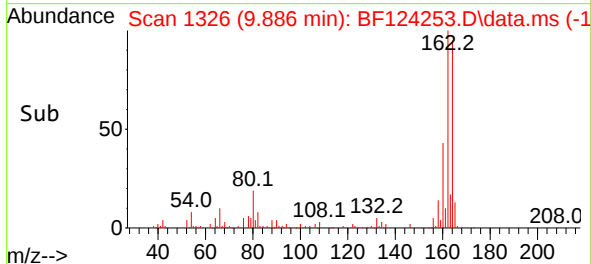
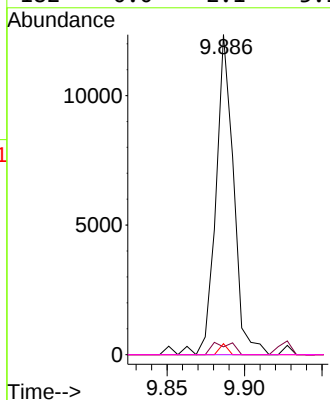
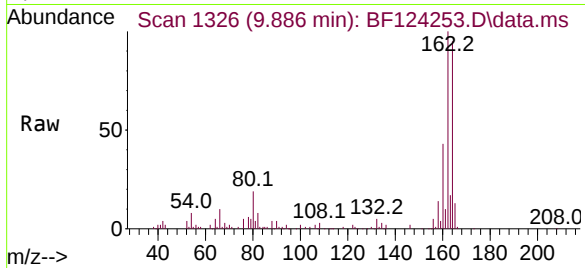




#57
2,4-Dinitrotoluene
Concen: 5.59 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

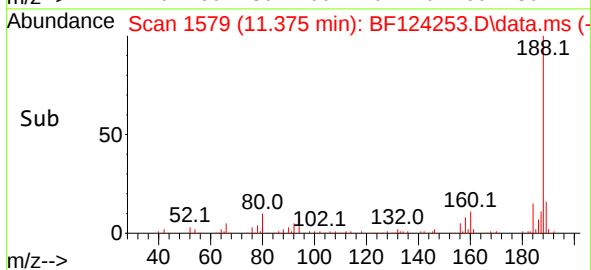
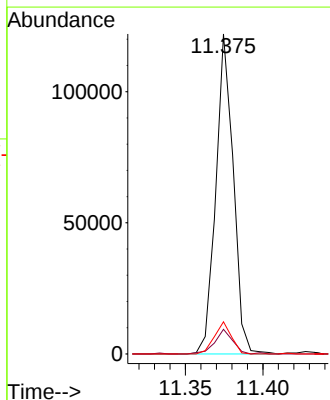
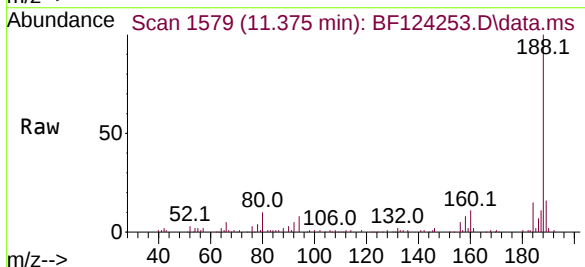
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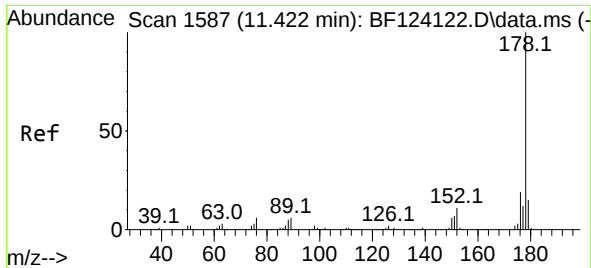
Tgt Ion:165	Resp:	9792
Ion Ratio	Lower	Upper
165	100	
63	2.5	43.5 65.3#
89	3.4	67.7 101.5#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

Tgt Ion:188	Resp:	95495
Ion Ratio	Lower	Upper
188	100	
94	7.7	6.9 10.3
80	10.0	8.2 12.2

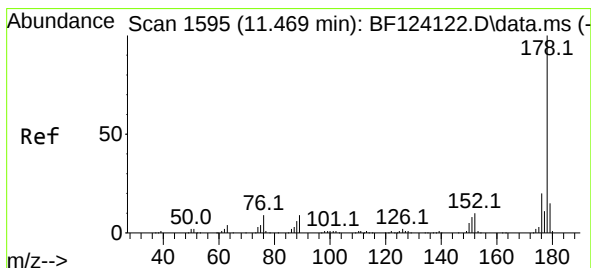
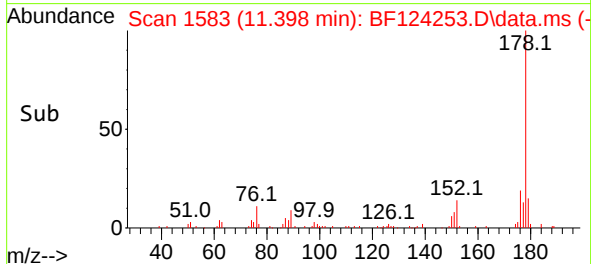
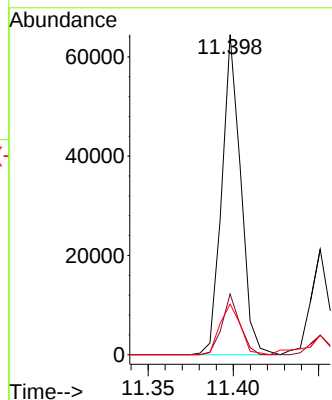
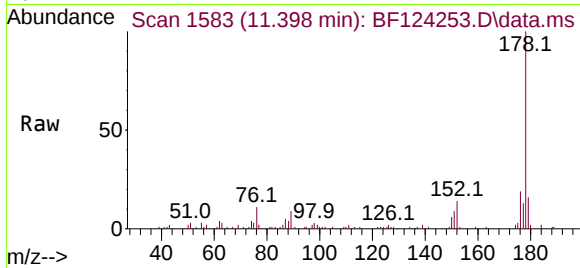




#71
Phenanthrene
Concen: 8.34 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

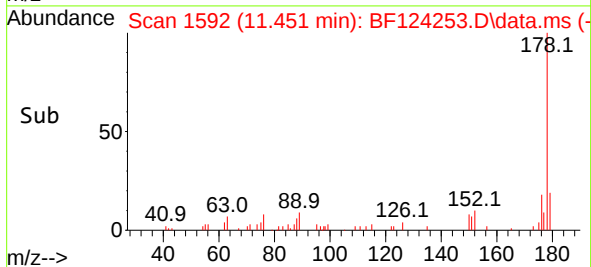
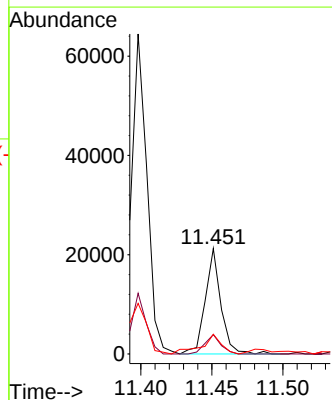
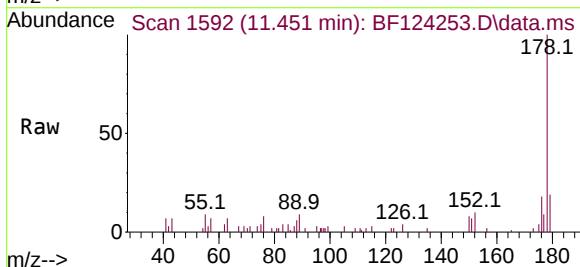
Instrument :
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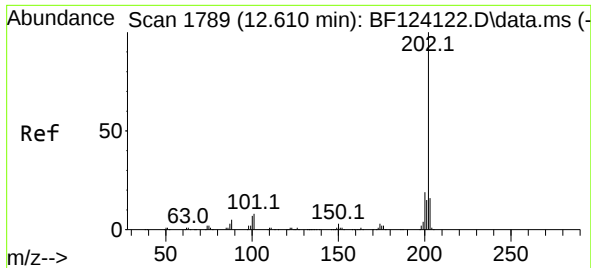
Tgt Ion:178 Resp: 49734
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.8 12.5 18.7



#72
Anthracene
Concen: 2.72 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

Tgt Ion:178 Resp: 16343
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 18.7 12.6 18.8

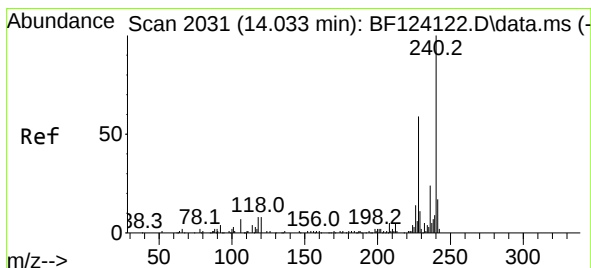
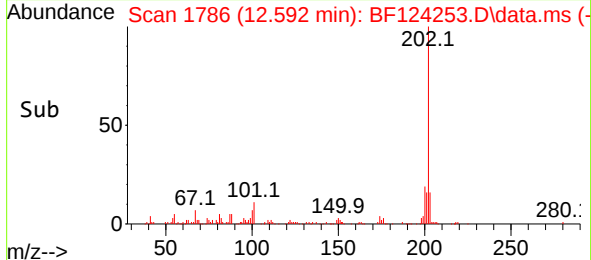
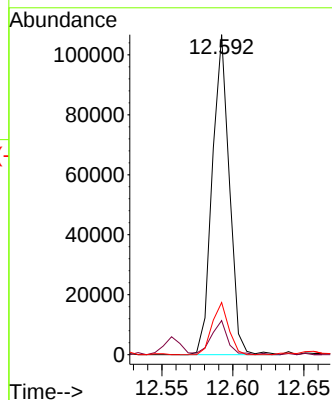
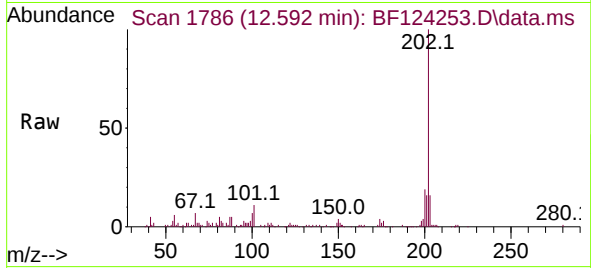




#75
Fluoranthene
Concen: 14.26 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

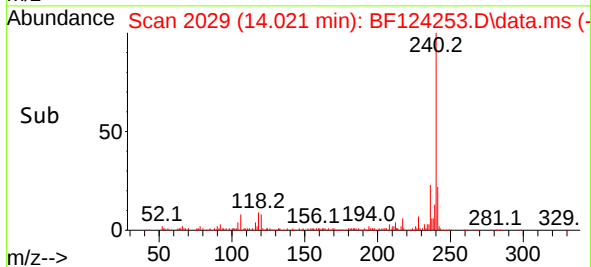
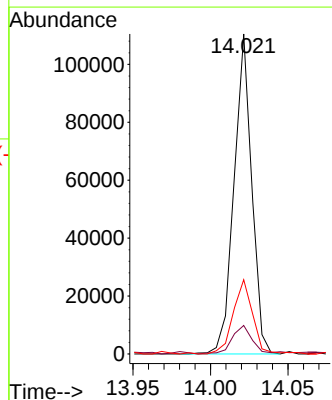
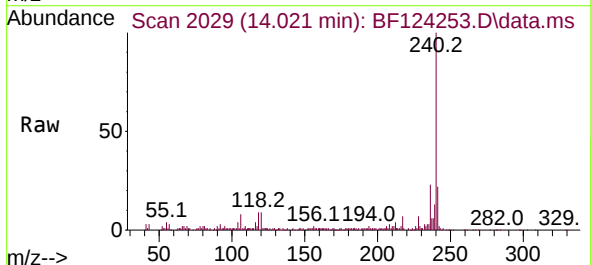
Instrument :
BNA_F
ClientSampleId :
SU-01-060821

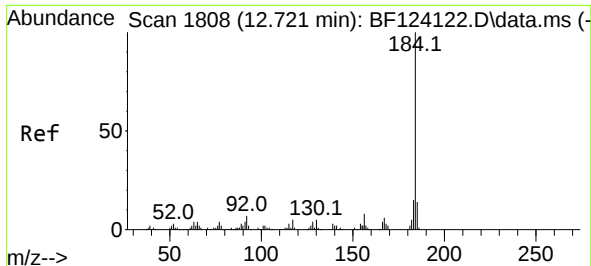
Tgt Ion:202	Resp:	89299
Ion Ratio	Lower	Upper
202	100	
101	10.7	0.0 30.9
203	16.3	0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

Tgt Ion:240	Resp:	87704
Ion Ratio	Lower	Upper
240	100	
120	8.9	7.2 10.8
236	23.2	19.0 28.4

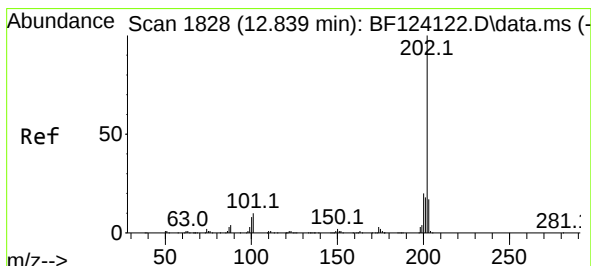
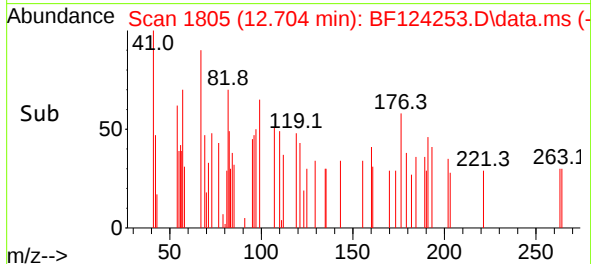
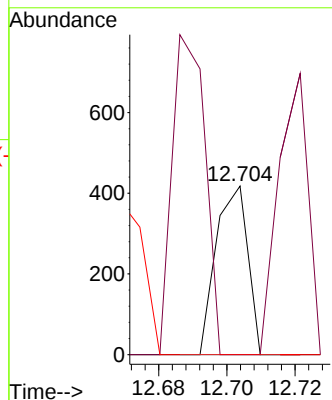
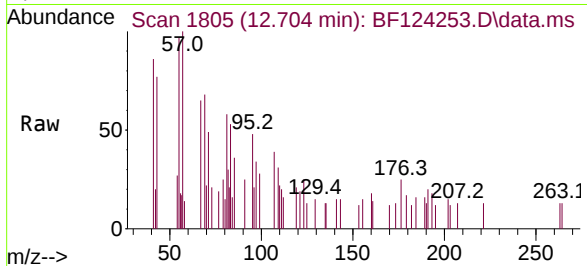




#77
Benzidine
Concen: 4.18 ng
RT: 12.704 min Scan# 1805
Delta R.T. -0.006 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

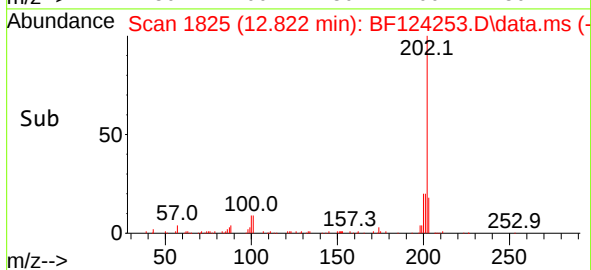
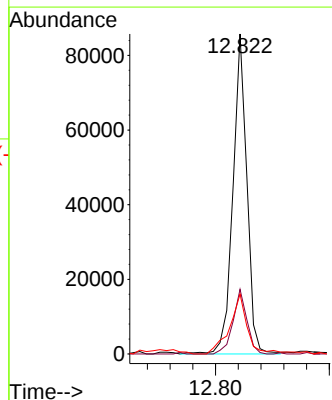
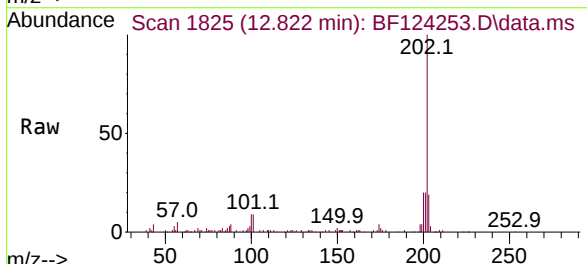
Instrument :
BNA_F
ClientSampleId :
SU-01-060821

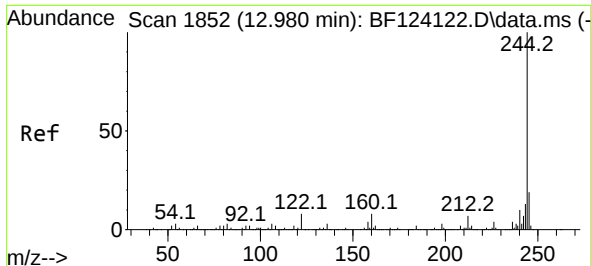
Tgt Ion:184 Resp: 269
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#



#78
Pyrene
Concen: 8.69 ng
RT: 12.822 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

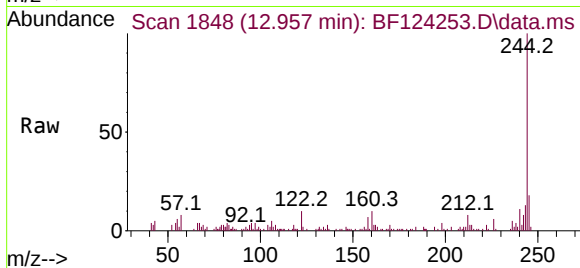
Tgt Ion:202 Resp: 73206
Ion Ratio Lower Upper
202 100
200 20.2 16.1 24.1
203 18.7 14.8 22.2



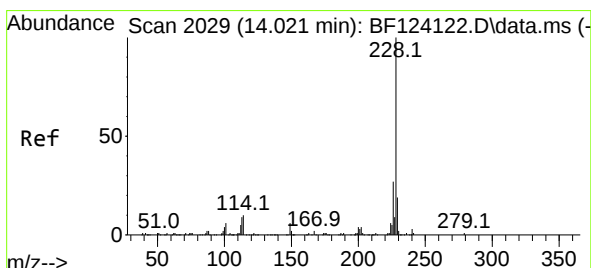
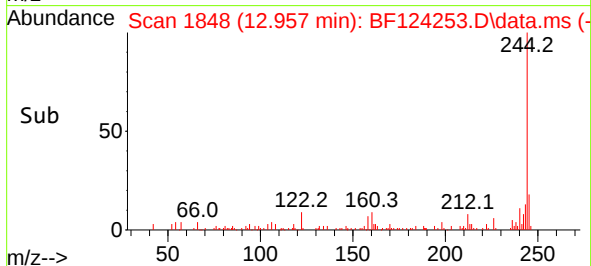
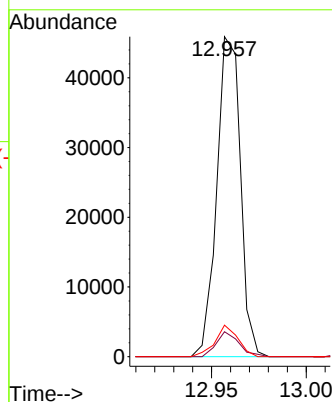


#79
 Terphenyl-d14
 Concen: 6.24 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF124253.D
 Acq: 11 Jun 2021 2:17

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-060821

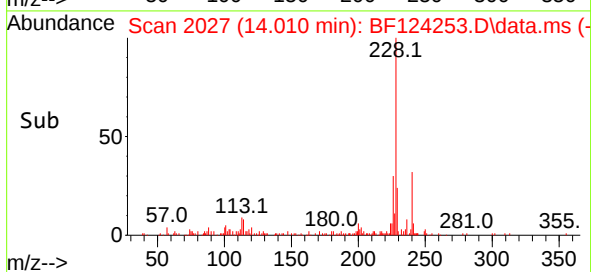
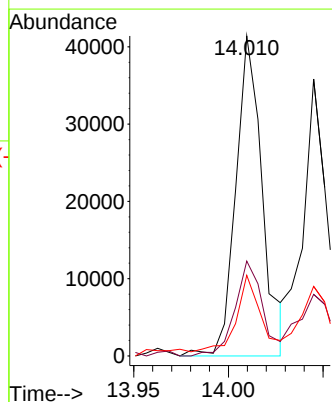
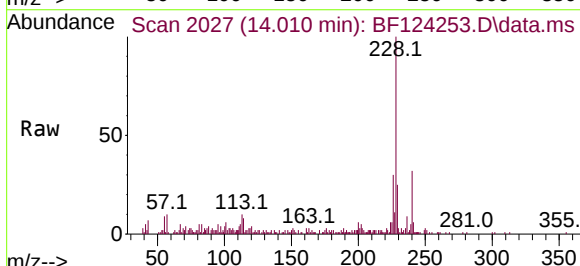


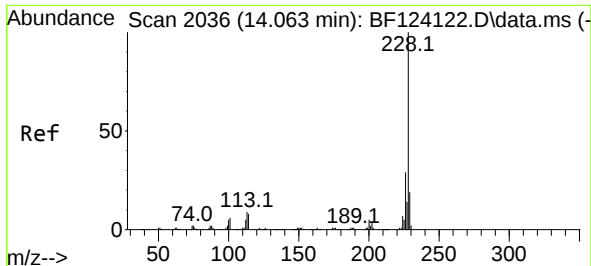
Tgt Ion:244 Resp: 39888
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.7 8.5
 122 9.8 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 6.31 ng
 RT: 14.010 min Scan# 2027
 Delta R.T. 0.000 min
 Lab File: BF124253.D
 Acq: 11 Jun 2021 2:17

Tgt Ion:228 Resp: 40302
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.4 33.6
 229 25.2 16.0 24.0#

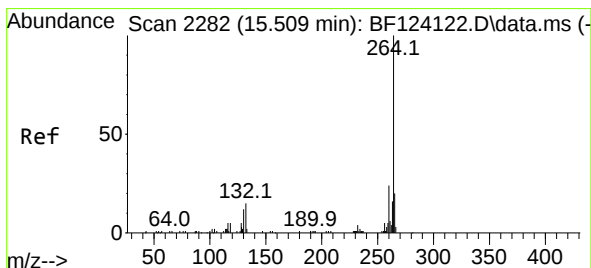
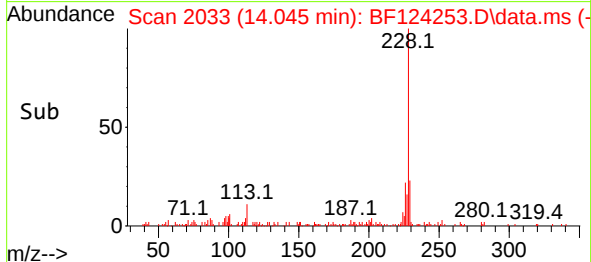
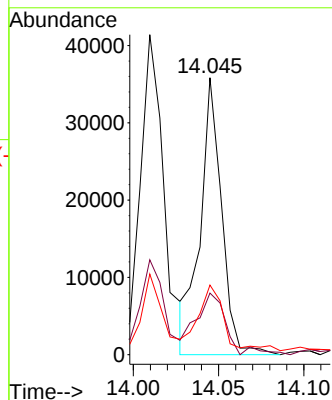
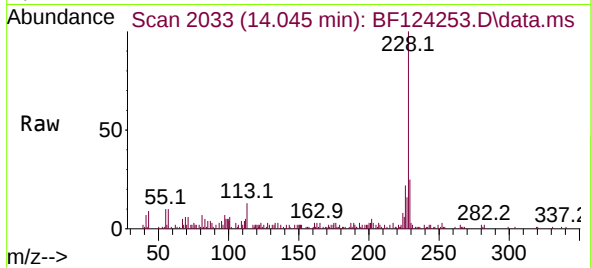




#83
Chrysene
Concen: 5.08 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

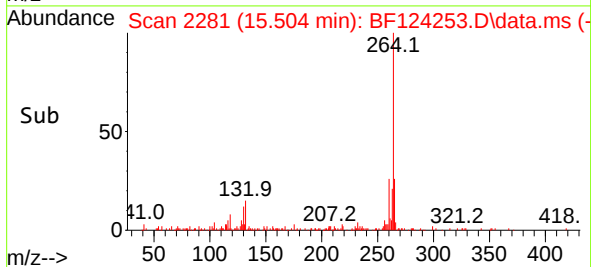
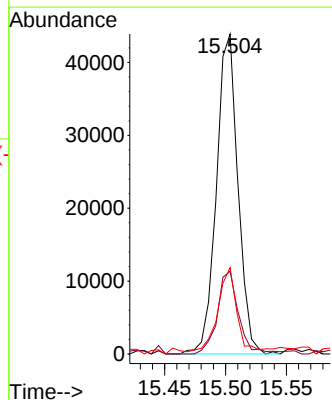
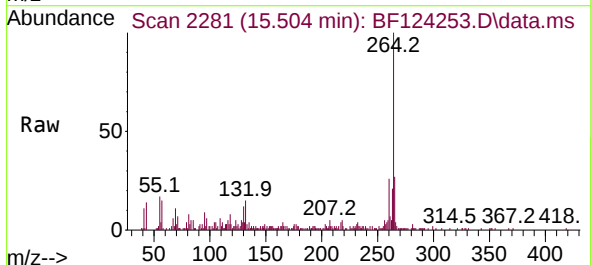
Instrument :
BNA_F
ClientSampleId :
SU-01-060821

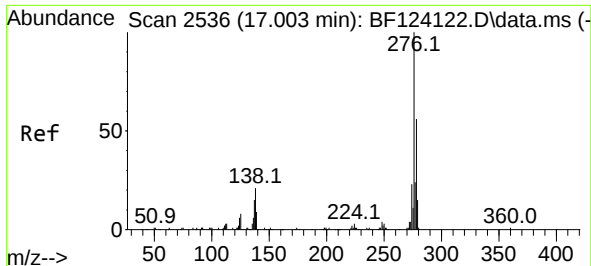
Tgt Ion:228 Resp: 31344
Ion Ratio Lower Upper
228 100
226 22.3 24.3 36.5#
229 25.1 16.2 24.2#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

Tgt Ion:264 Resp: 54087
Ion Ratio Lower Upper
264 100
260 25.9 18.7 28.1
265 27.0 17.8 26.8#

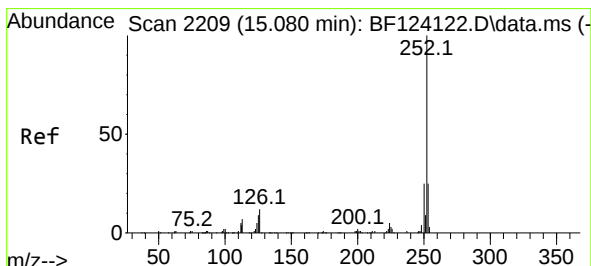
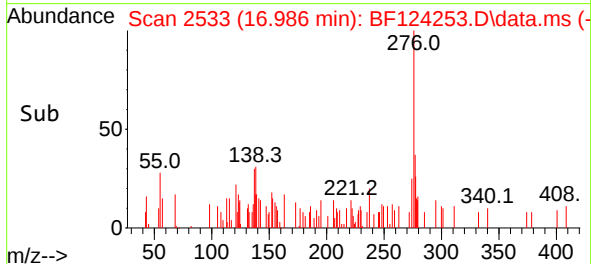
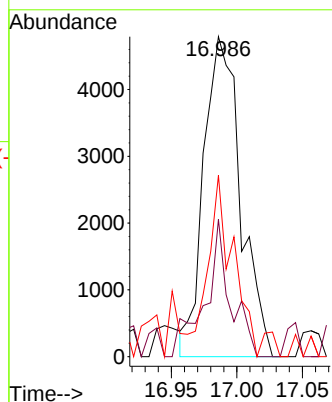
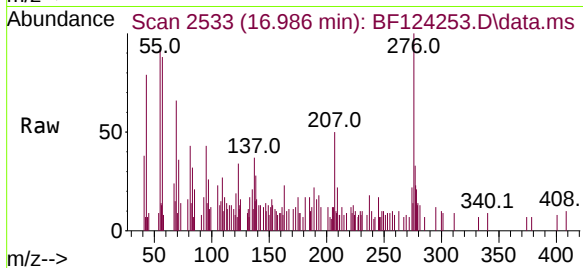




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.22 ng
RT: 16.986 min Scan# 2533
Delta R.T. 0.006 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

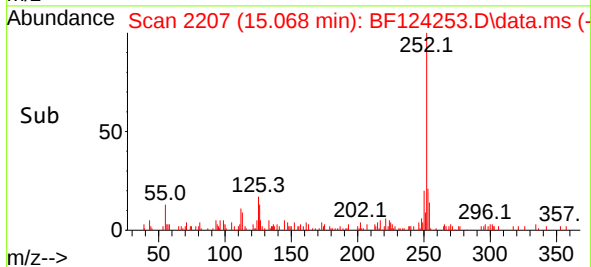
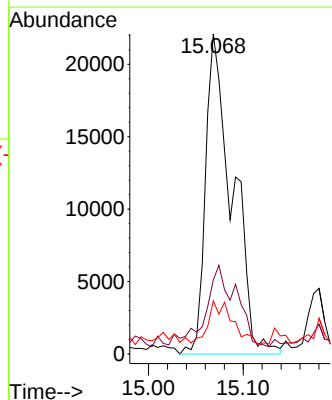
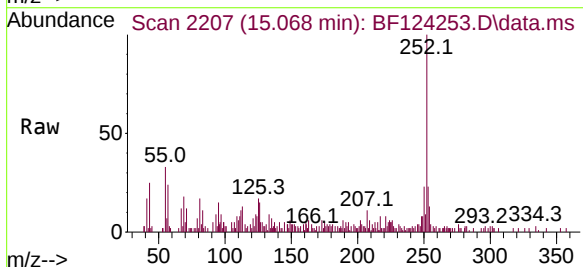
Instrument :
BNA_F
ClientSampleId :
SU-01-060821

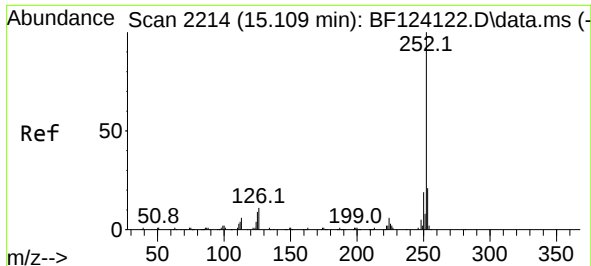
Tgt Ion:276 Resp: 9344
Ion Ratio Lower Upper
276 100
138 29.7 16.2 24.2#
277 41.3 20.1 30.1#



#88
Benzo(b)fluoranthene
Concen: 10.34 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

Tgt Ion:252 Resp: 43464
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 16.6 6.2 9.4#

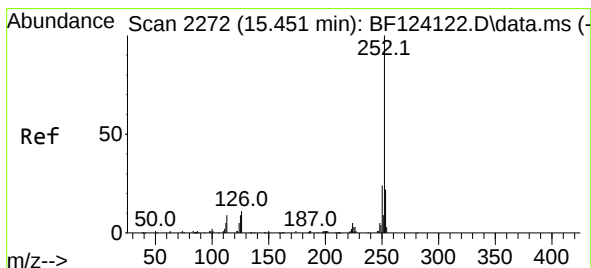
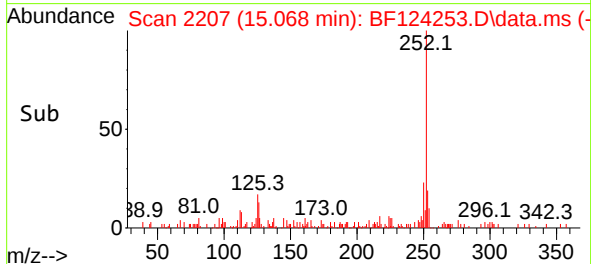
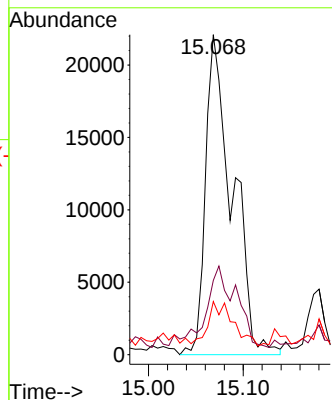
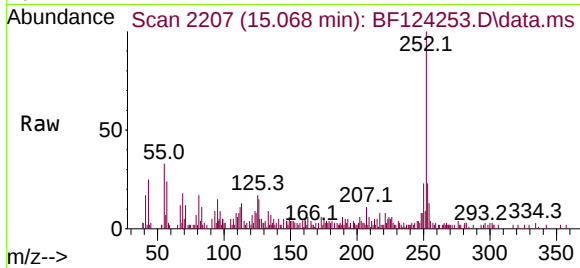




#89
Benzo(k)fluoranthene
Concen: 10.93 ng
RT: 15.068 min Scan# 2207
Delta R.T. -0.023 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

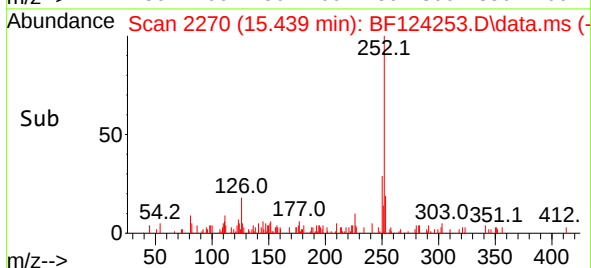
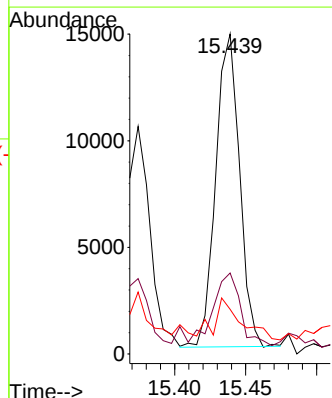
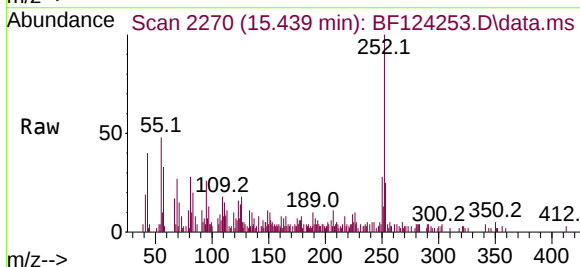
Instrument :
BNA_F
ClientSampleId :
SU-01-060821

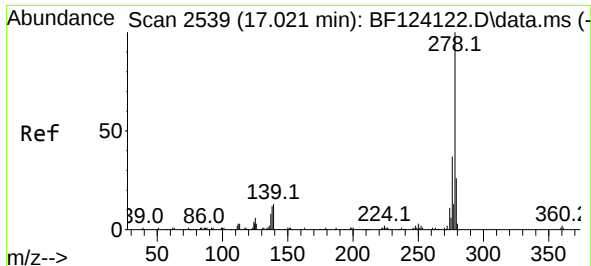
Tgt Ion:252 Resp: 43464
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 16.6 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 4.69 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

Tgt Ion:252 Resp: 17116
Ion Ratio Lower Upper
252 100
253 25.3 18.4 27.6
125 14.0 8.0 12.0#

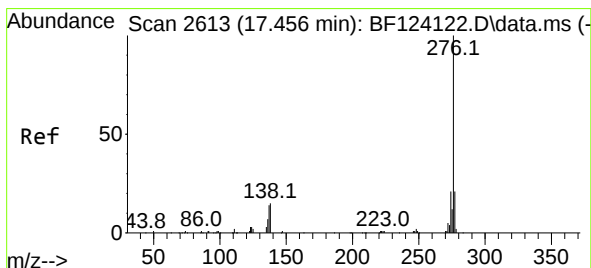
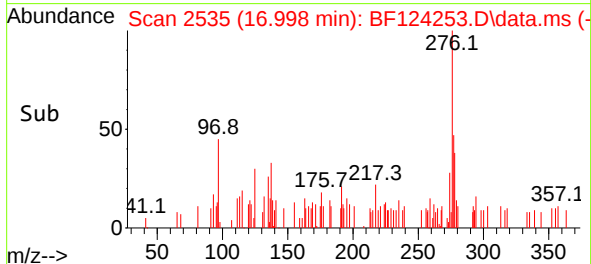
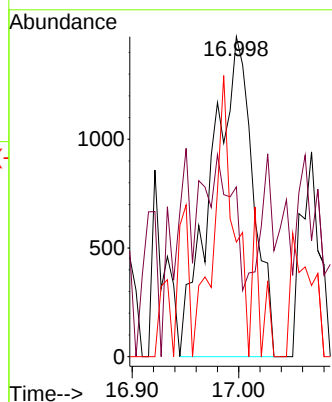
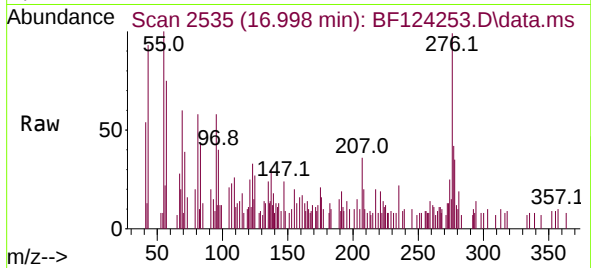




#91
Dibenzo(a,h)anthracene
Concen: 5.12 ng
RT: 16.998 min Scan# 2535
Delta R.T. 0.006 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

Instrument :
BNA_F
ClientSampleId :
SU-01-060821

Tgt Ion:278 Resp: 3989
Ion Ratio Lower Upper
278 100
139 53.1 10.2 15.2#
279 35.8 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 6.19 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.006 min
Lab File: BF124253.D
Acq: 11 Jun 2021 2:17

Tgt Ion:276 Resp: 9819
Ion Ratio Lower Upper
276 100
277 31.9 18.2 27.2#
138 16.7 13.8 20.6

