

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
 Data File : BF124384.D
 Acq On : 18 Jun 2021 20:43
 Operator : JU/CG
 Sample : M2749-06 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RF-01 3.5-4.0

Quant Time: Jun 18 23:18:26 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 15 20:09:26 2021
 Response via : Initial Calibration

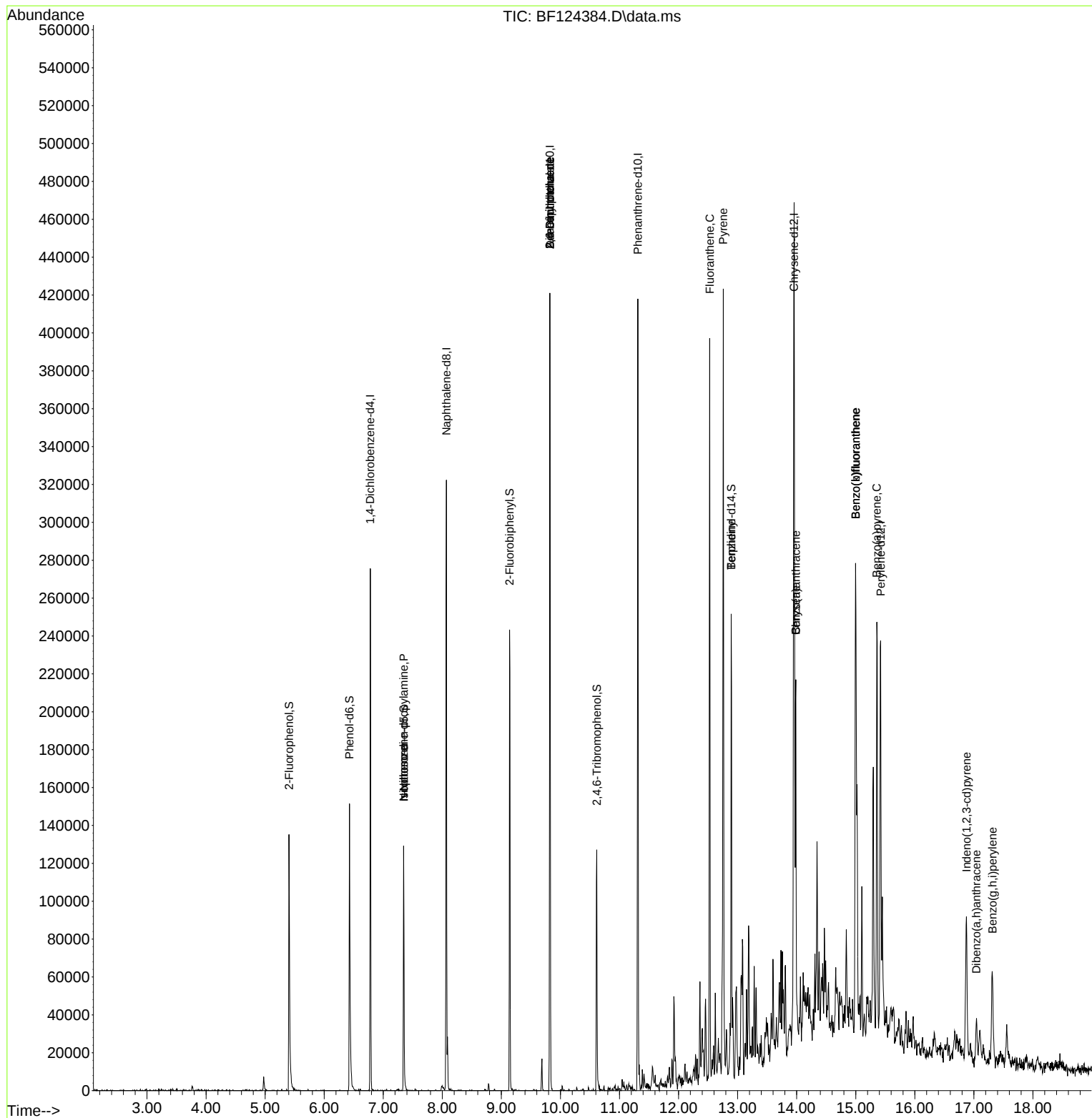
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	34143	20.00	ng	0.00
21) Naphthalene-d8	8.069	136	120234	20.00	ng	# 0.00
39) Acenaphthene-d10	9.822	164	74473	20.00	ng	0.00
64) Phenanthrene-d10	11.310	188	130422	20.00	ng	# 0.00
76) Chrysene-d12	13.957	240	90145	20.00	ng	0.00
86) Perylene-d12	15.421	264	89037	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	36554	16.12	ng	-0.01
7) Phenol-d6	6.428	99	48820	16.01	ng	-0.02
23) Nitrobenzene-d5	7.345	82	37207	12.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	14997	14.21	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	70597	11.93	ng	-0.01
79) Terphenyl-d14	12.892	244	66403	10.11	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	5413	2.52	ng	# 65
25) Isophorone	7.345	82	37206	6.81	ng	# 69
50) Dimethylphthalate	9.822	163	14094	2.29	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	9638	6.82	ng	# 11
57) 2,4-Dinitrotoluene	9.822	165	9638	5.17	ng	# 17
75) Fluoranthene	12.527	202	136083	15.91	ng	96
77) Benzidine	12.892	184	934	4.47	ng	# 68
78) Pyrene	12.757	202	150995	17.44	ng	96
81) Benzo(a)anthracene	13.986	228	75911	11.56	ng	97
83) Chrysene	13.986	228	75911	11.98	ng	95
87) Indeno(1,2,3-cd)pyrene	16.874	276	42584	9.56	ng	97
88) Benzo(b)fluoranthene	14.998	252	165462	23.92	ng	# 94
89) Benzo(k)fluoranthene	14.998	252	165462	25.27	ng	94
90) Benzo(a)pyrene	15.357	252	99377	16.54	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	11595	5.85	ng	96
92) Benzo(g,h,i)perylene	17.315	276	34152	8.85	ng	95

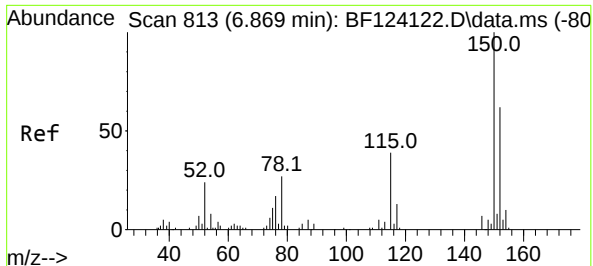
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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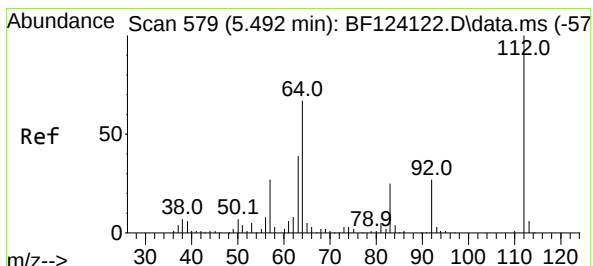
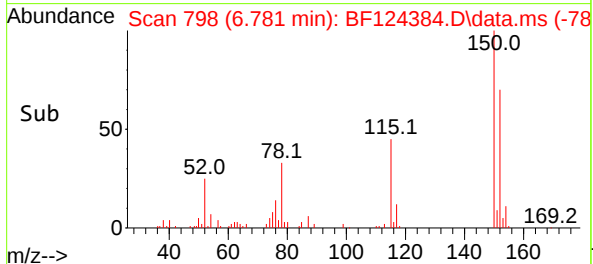
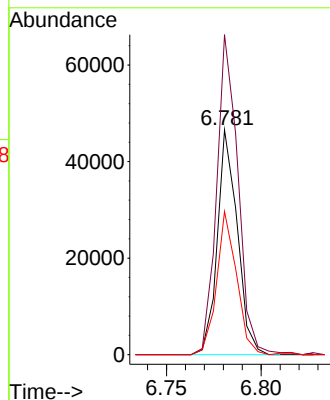
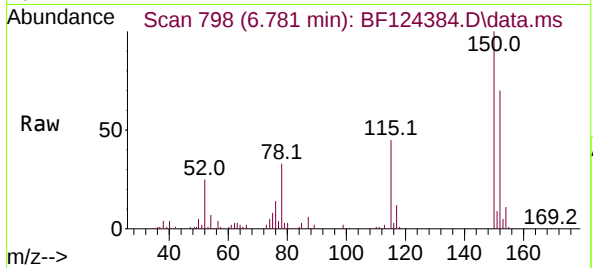




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

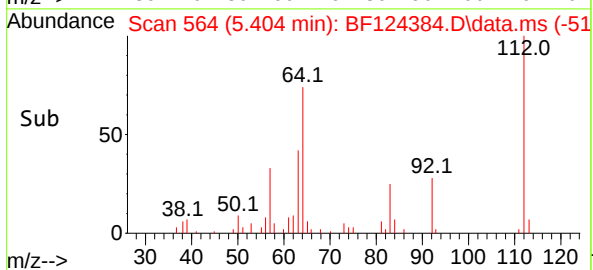
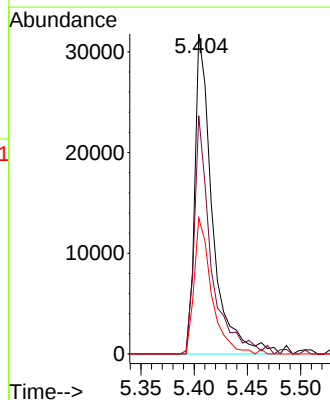
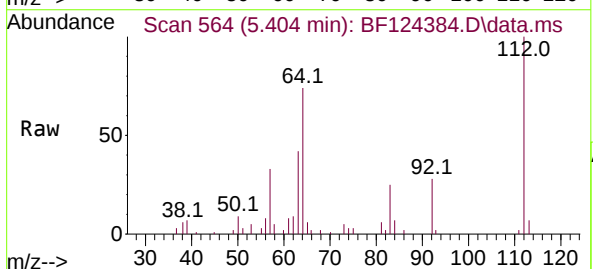
Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

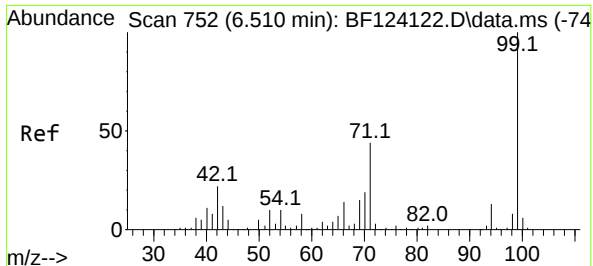
Tgt Ion:152 Resp: 34143
Ion Ratio Lower Upper
152 100
150 142.4 127.0 190.6
115 63.7 54.3 81.5



#5
2-Fluorophenol
Concen: 16.12 ng
RT: 5.404 min Scan# 564
Delta R.T. -0.012 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Tgt Ion:112 Resp: 36554
Ion Ratio Lower Upper
112 100
64 74.4 61.4 92.0
63 42.5 33.0 49.4

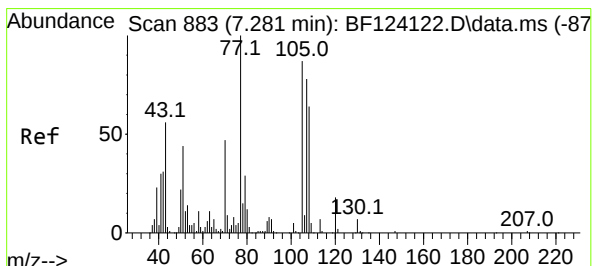
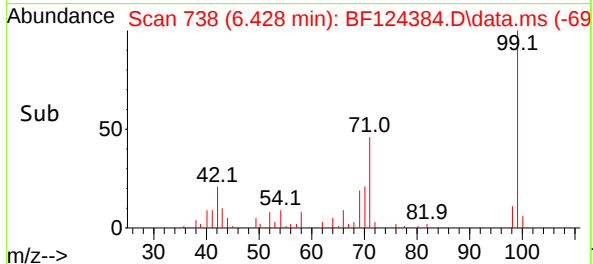
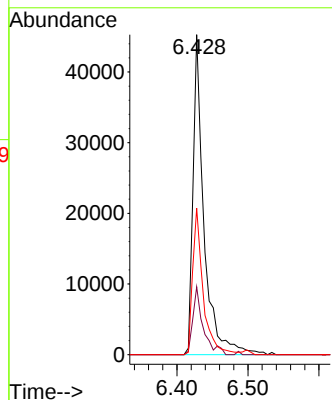
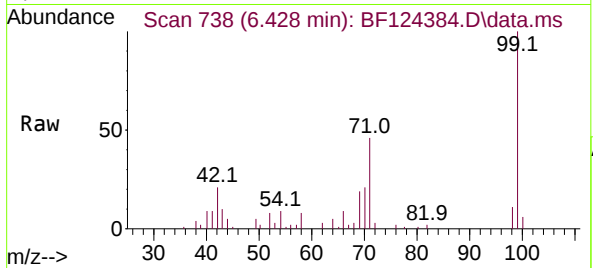




#7
Phenol-d6
Concen: 16.01 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.018 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

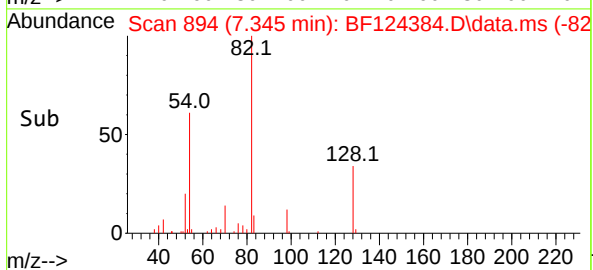
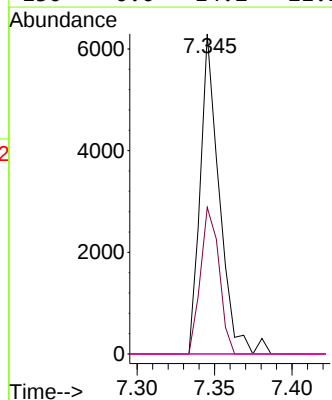
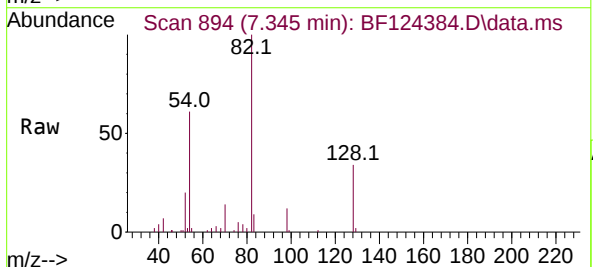
Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

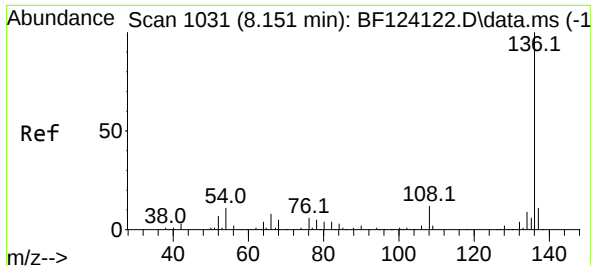
Tgt Ion: 99 Resp: 48820
Ion Ratio Lower Upper
99 100
42 21.2 19.8 29.8
71 45.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.52 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

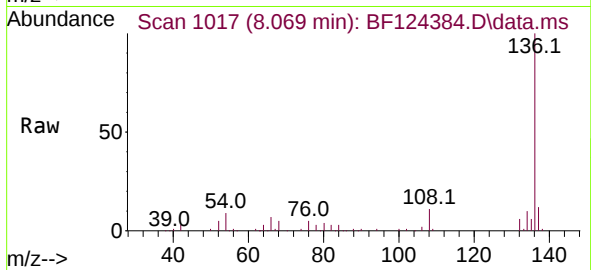
Tgt Ion: 70 Resp: 5413
Ion Ratio Lower Upper
70 100
42 45.8 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



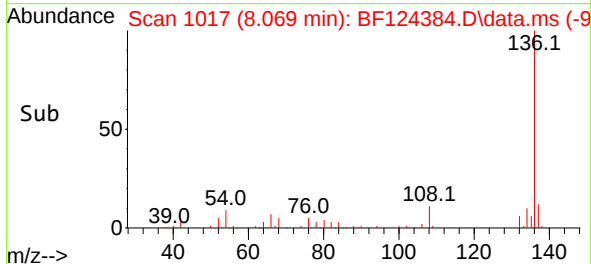
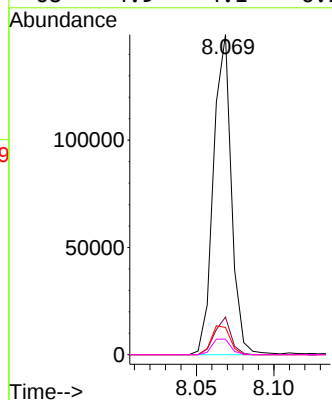


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

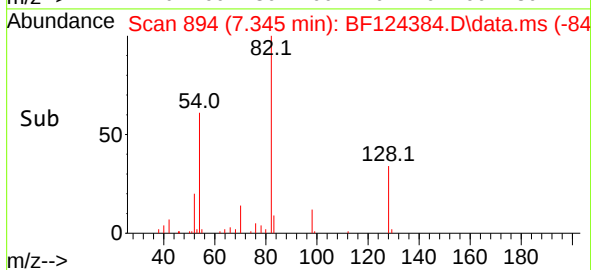
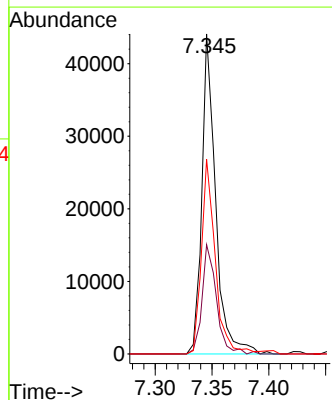
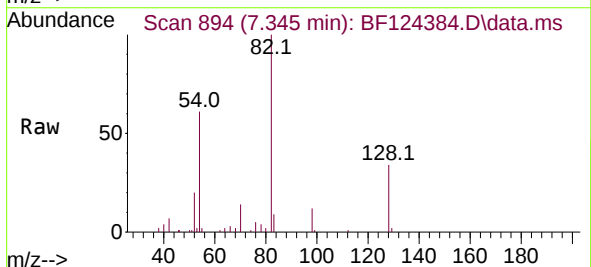


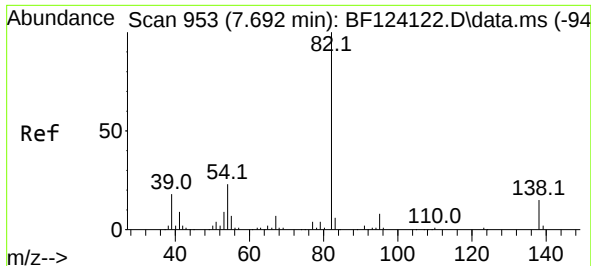
Tgt Ion:136 Resp: 120234
Ion Ratio Lower Upper
136 100
137 11.8 8.7 13.1
54 8.5 9.8 14.6#
68 4.9 4.1 6.1



#23
Nitrobenzene-d5
Concen: 12.27 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Tgt Ion: 82 Resp: 37207
Ion Ratio Lower Upper
82 100
128 34.1 29.4 44.2
54 60.8 54.1 81.1

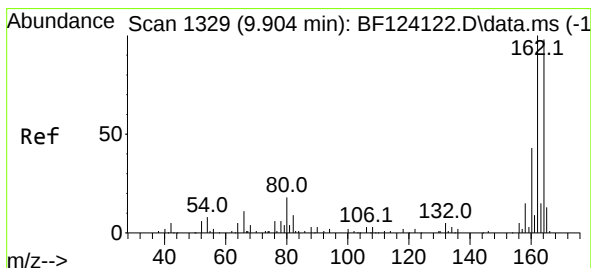
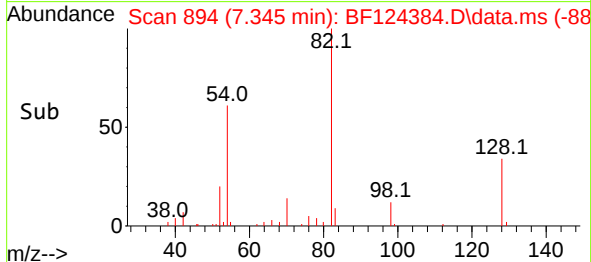
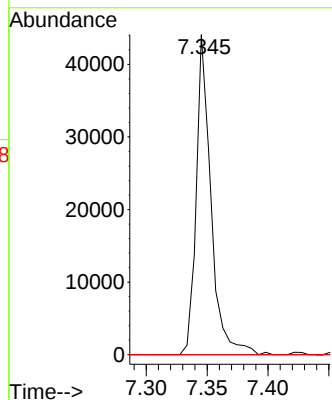
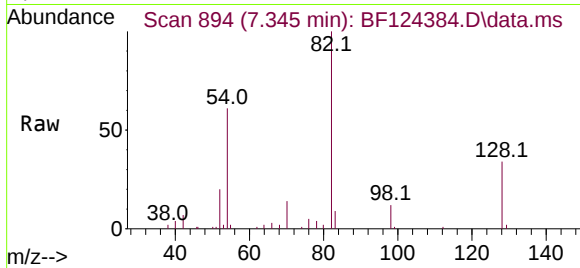




#25
Isophorone
Concen: 6.81 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

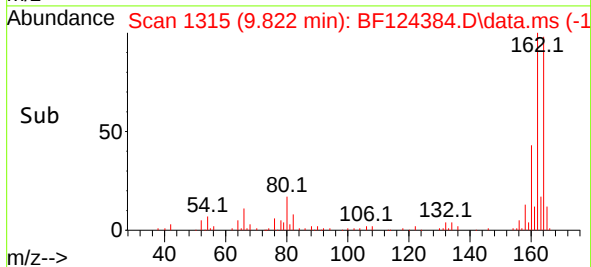
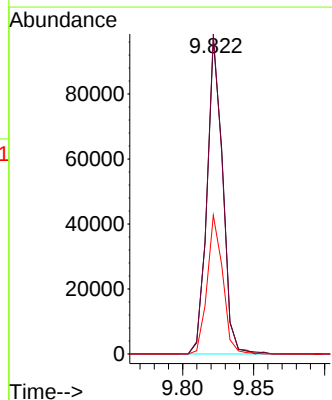
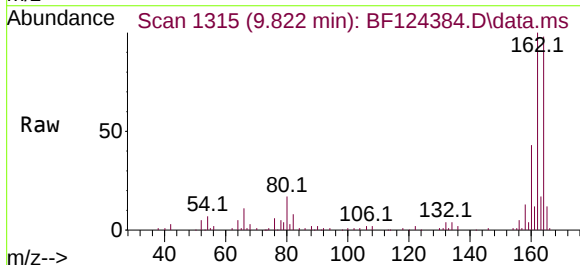
Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

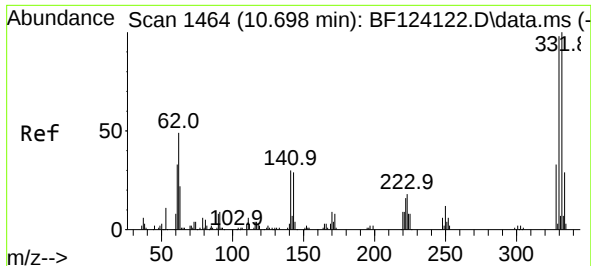
Tgt Ion: 82 Resp: 37206
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Tgt Ion:164 Resp: 74473
Ion Ratio Lower Upper
164 100
162 101.6 80.7 121.1
160 44.1 37.3 55.9

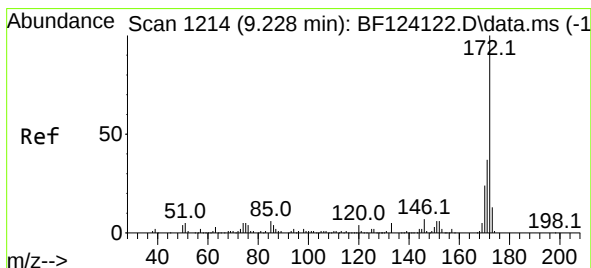
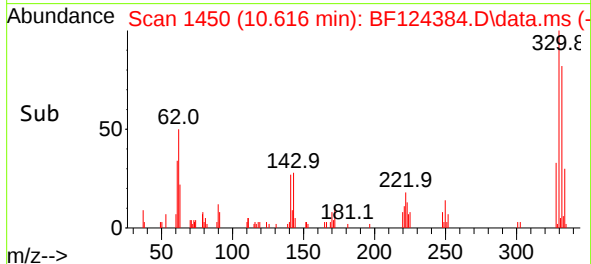
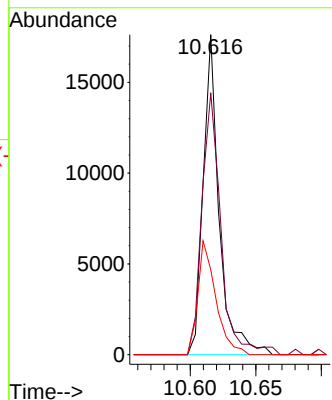
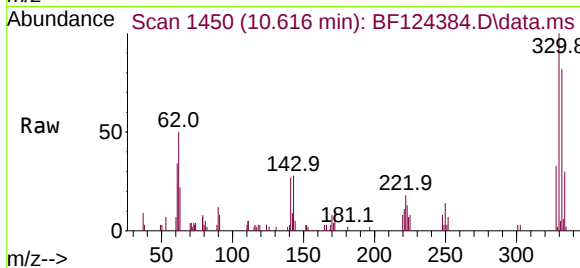




#42
2,4,6-Tribromophenol
Concen: 14.21 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

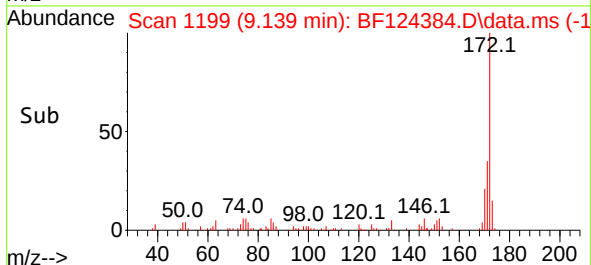
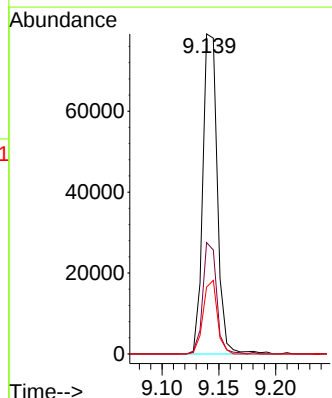
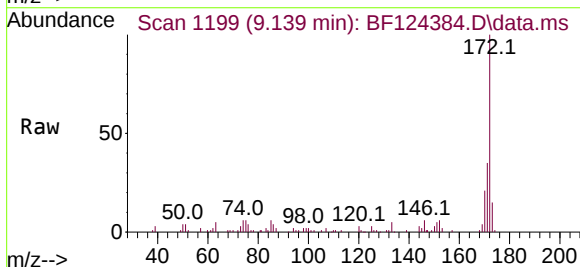
Instrument :
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ClientSampleId :
RF-01 3.5-4.0

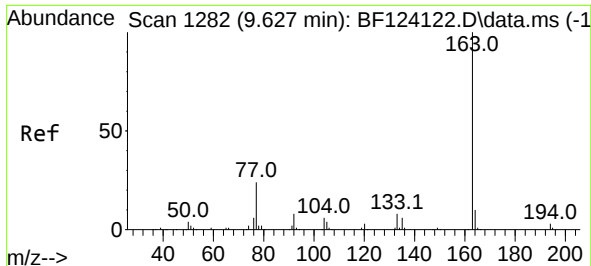
Tgt Ion: 330 Resp: 14997
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 39.8 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 11.93 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Tgt Ion: 172 Resp: 70597
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 20.9 19.2 28.8

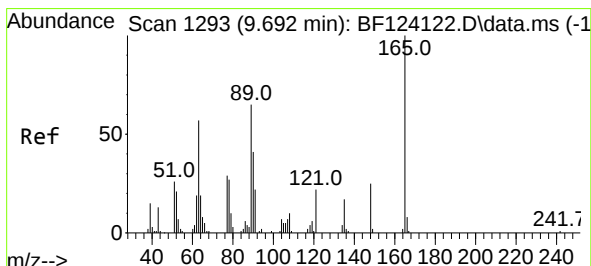
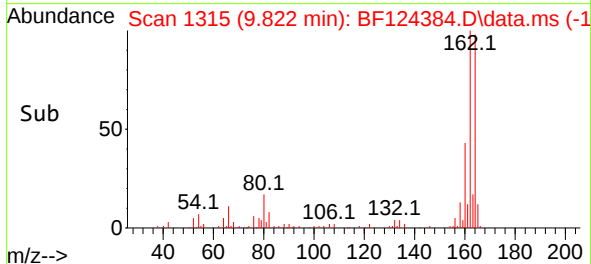
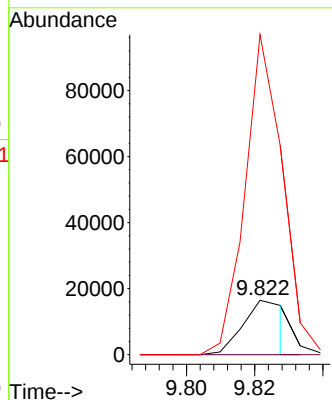
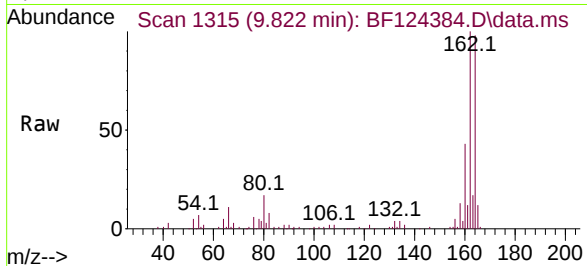




#50
Dimethylphthalate
Concen: 2.29 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

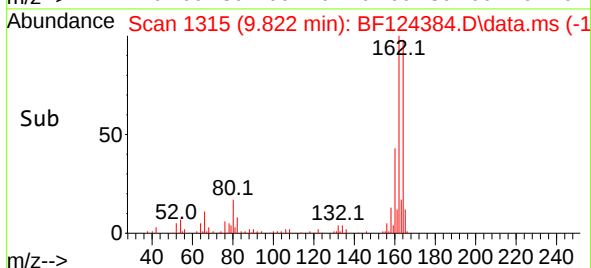
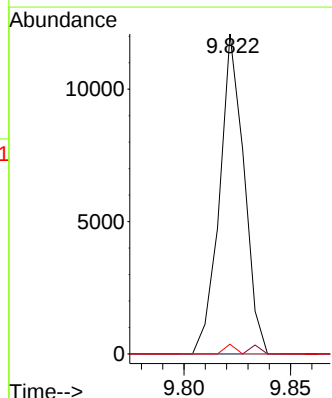
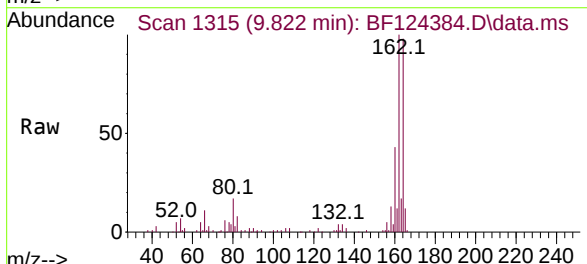
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RF-01 3.5-4.0

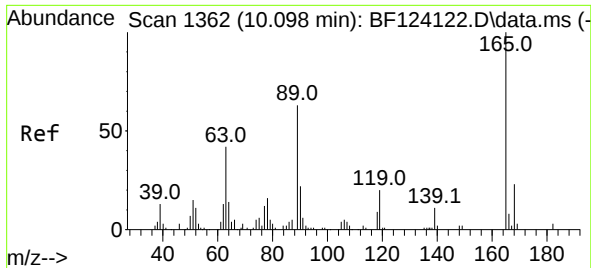
Tgt Ion:163 Resp: 14094
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 588.3 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 6.82 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Tgt Ion:165 Resp: 9638
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 3.0 58.8 88.2#

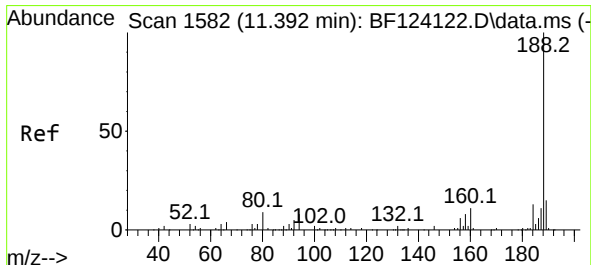
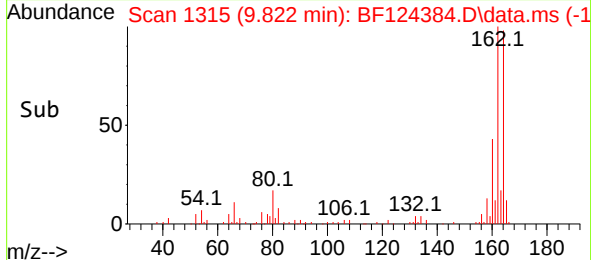
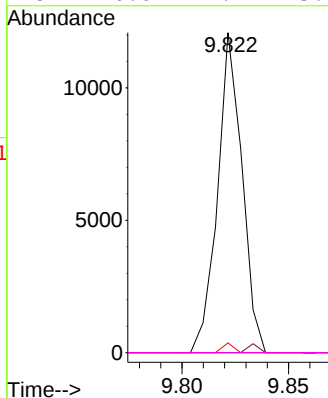
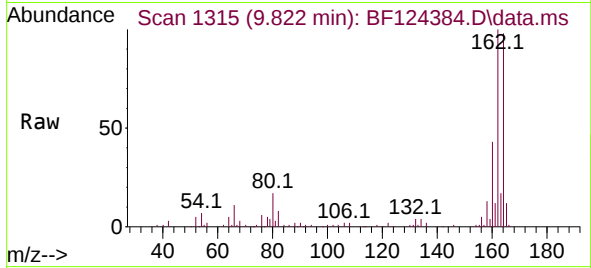




#57
2,4-Dinitrotoluene
Concen: 5.17 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

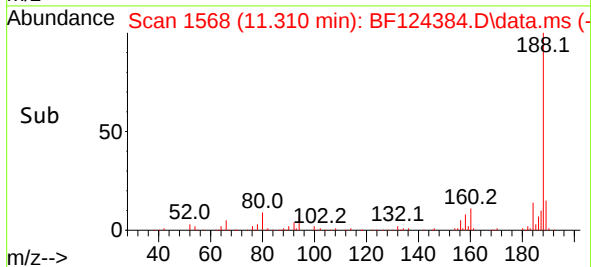
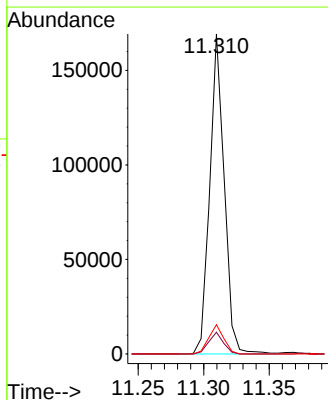
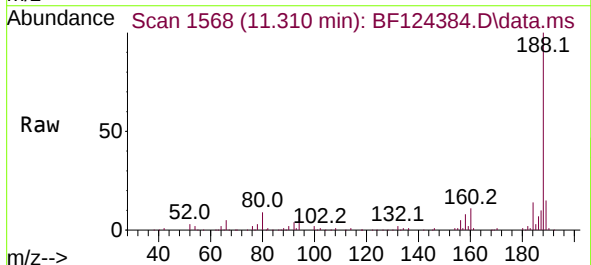
Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

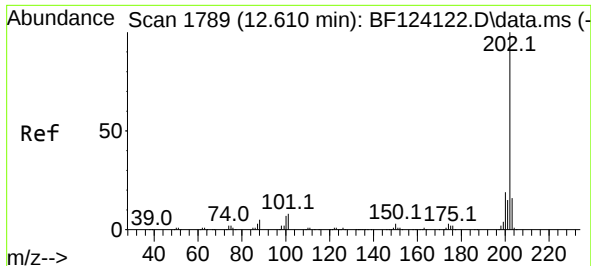
Tgt Ion:165 Resp: 9638
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 3.0 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

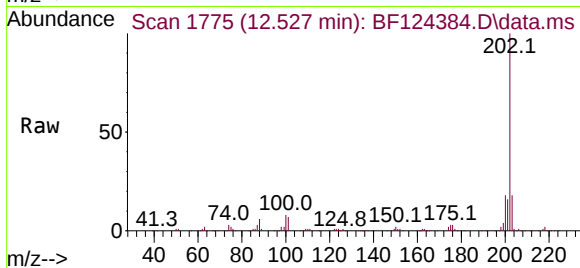
Tgt Ion:188 Resp: 130422
Ion Ratio Lower Upper
188 100
94 6.8 6.9 10.3#
80 9.1 8.2 12.2



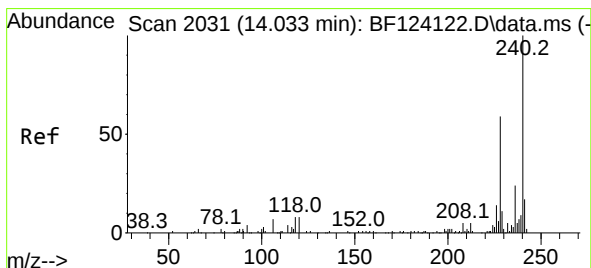
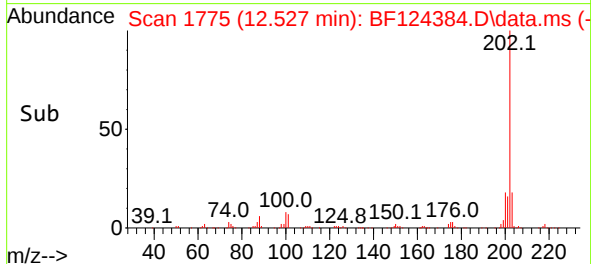
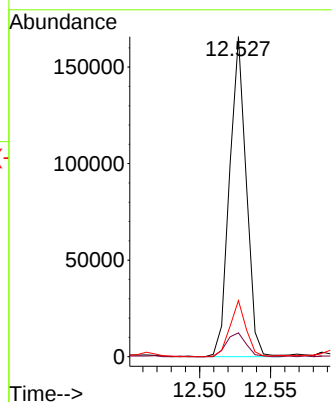


#75
Fluoranthene
Concen: 15.91 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

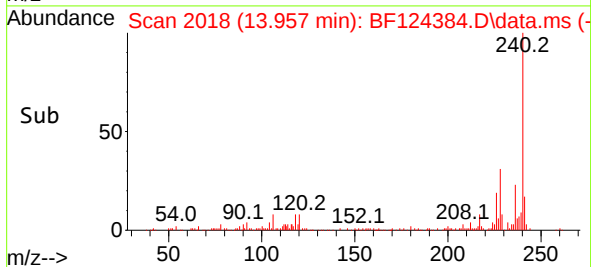
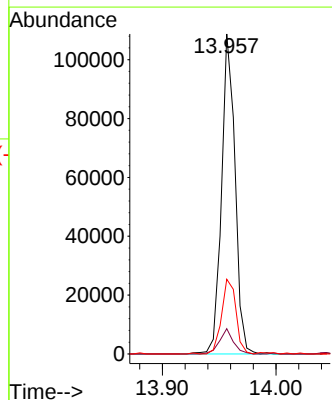
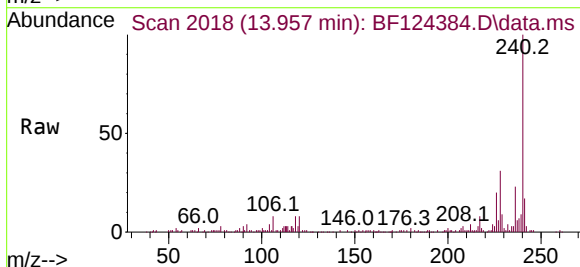


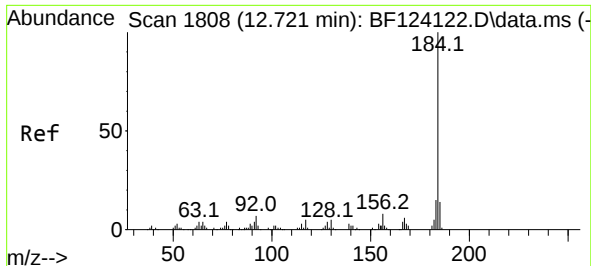
Tgt Ion:202 Resp: 136083
Ion Ratio Lower Upper
202 100
101 7.4 0.0 30.9
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Tgt Ion:240 Resp: 90145
Ion Ratio Lower Upper
240 100
120 7.9 7.2 10.8
236 23.4 19.0 28.4

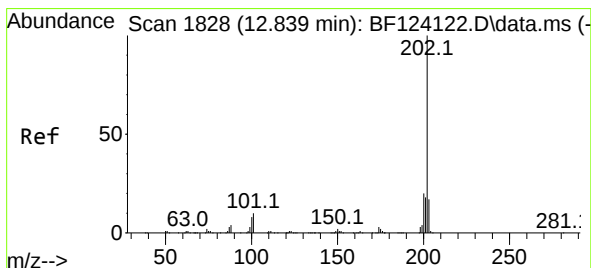
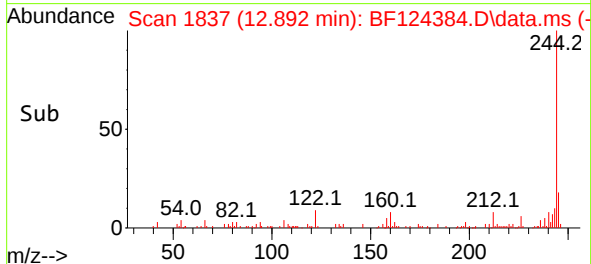
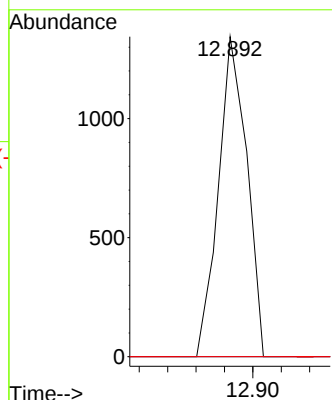
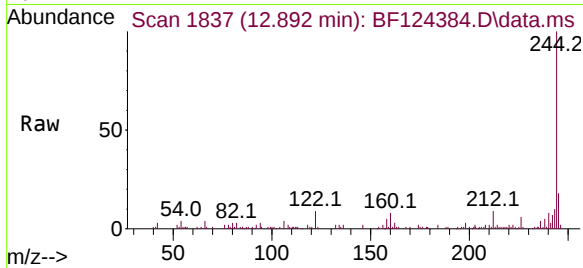




#77
Benzidine
Concen: 4.47 ng
RT: 12.892 min Scan# 1837
Delta R.T. 0.194 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

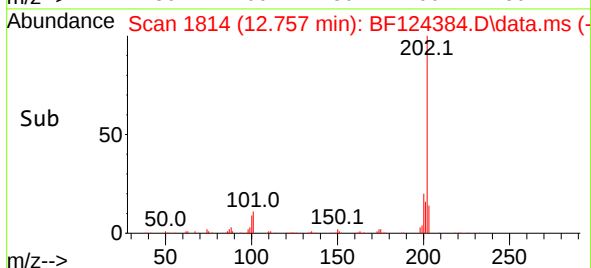
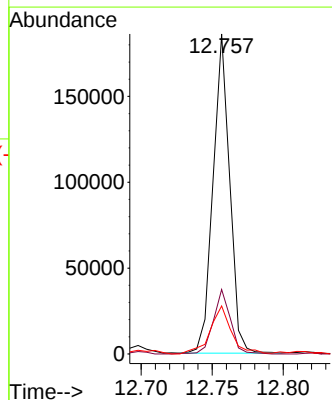
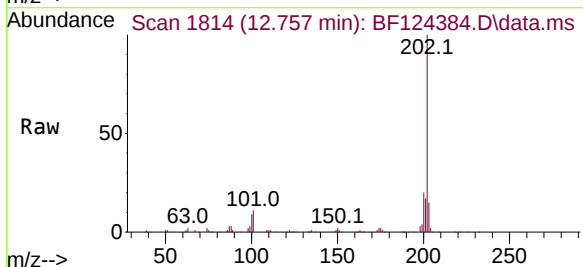
Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

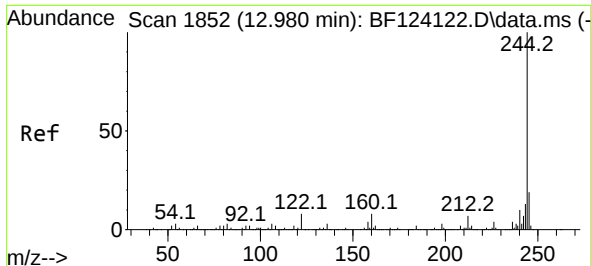
Tgt Ion:184 Resp: 934
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#



#78
Pyrene
Concen: 17.44 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

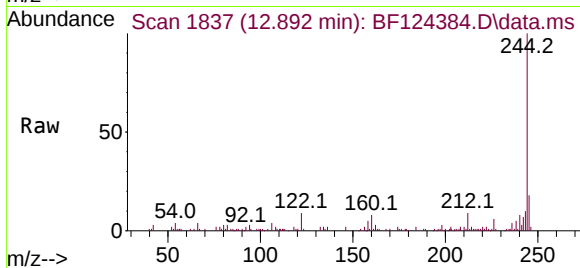
Tgt Ion:202 Resp: 150995
Ion Ratio Lower Upper
202 100
200 20.1 16.1 24.1
203 15.0 14.8 22.2



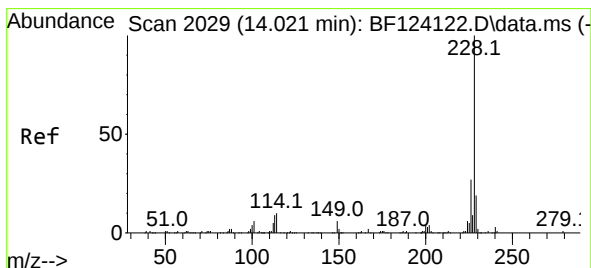
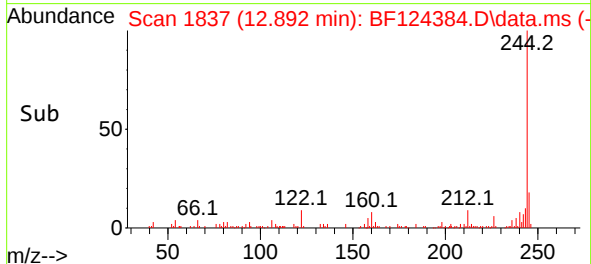
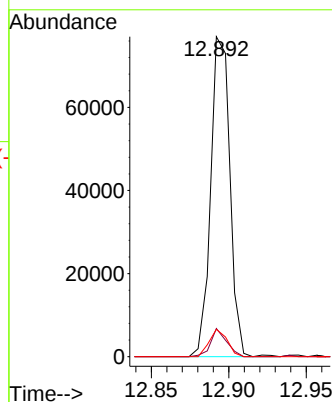


#79
 Terphenyl-d14
 Concen: 10.11 ng
 RT: 12.892 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF124384.D
 Acq: 18 Jun 2021 20:43

Instrument :
 BNA_F
 ClientSampleId :
 RF-01 3.5-4.0

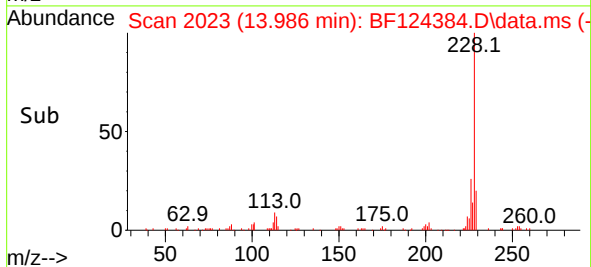
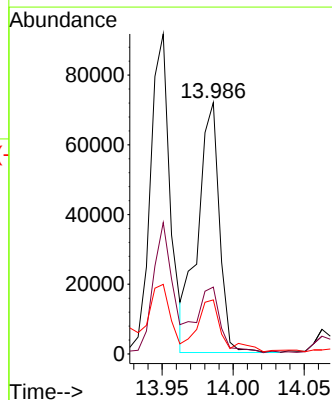
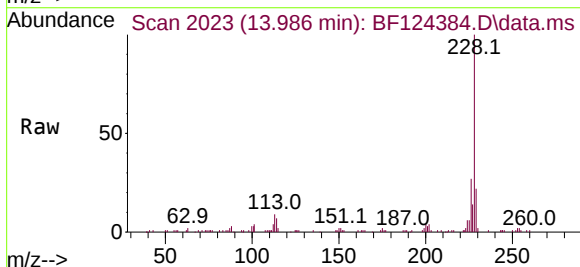


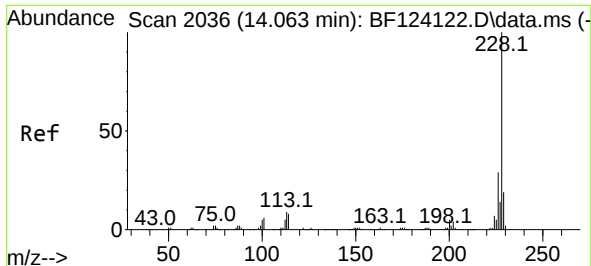
Tgt Ion:244 Resp: 66403
 Ion Ratio Lower Upper
 244 100
 212 8.8 5.7 8.5#
 122 8.6 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 11.56 ng
 RT: 13.986 min Scan# 2023
 Delta R.T. 0.035 min
 Lab File: BF124384.D
 Acq: 18 Jun 2021 20:43

Tgt Ion:228 Resp: 75911
 Ion Ratio Lower Upper
 228 100
 226 26.6 22.4 33.6
 229 21.5 16.0 24.0

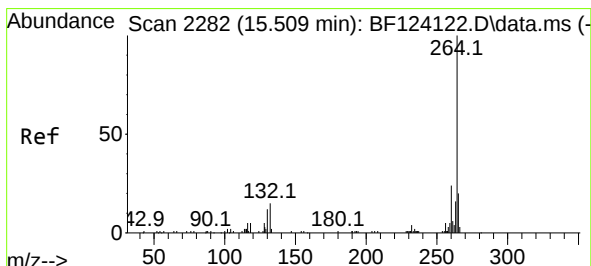
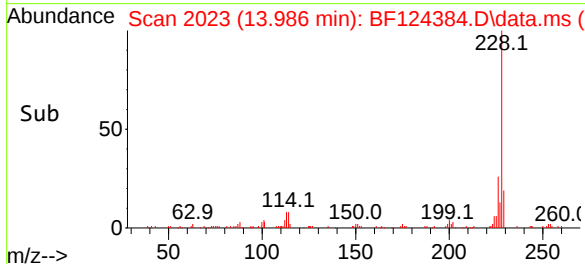
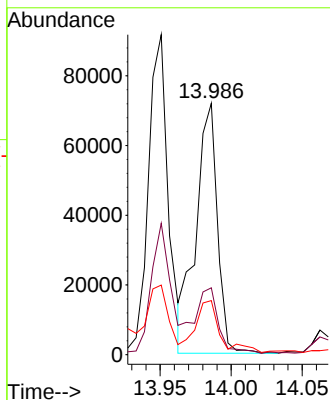
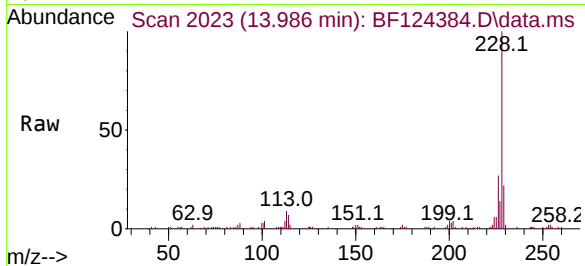




#83
Chrysene
Concen: 11.98 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

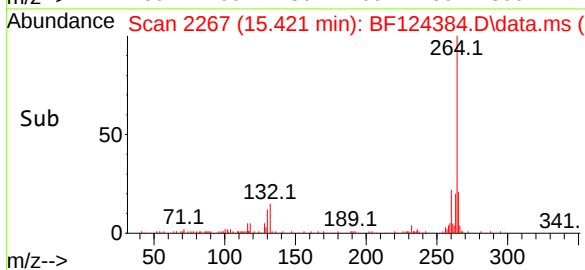
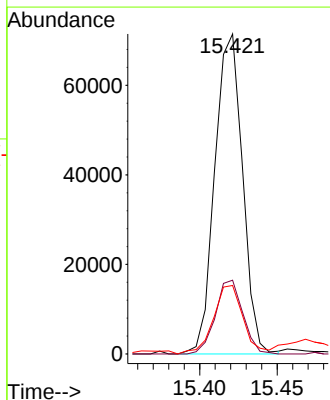
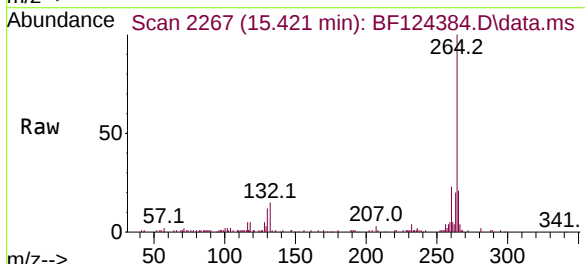
Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

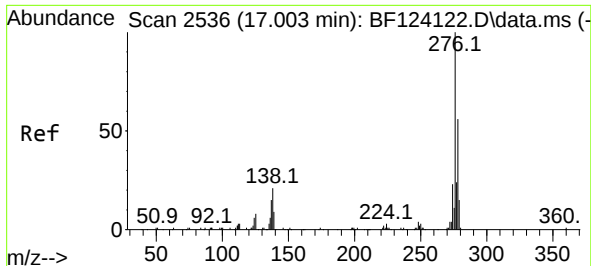
Tgt Ion:228	Resp:	75911
Ion Ratio	Lower	Upper
228	100	
226	26.6	24.3 36.5
229	21.5	16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Tgt Ion:264	Resp:	89037
Ion Ratio	Lower	Upper
264	100	
260	23.1	18.7 28.1
265	21.4	17.8 26.8

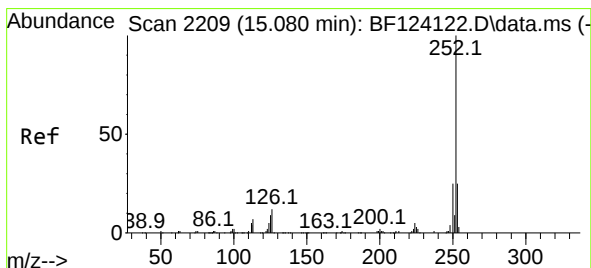
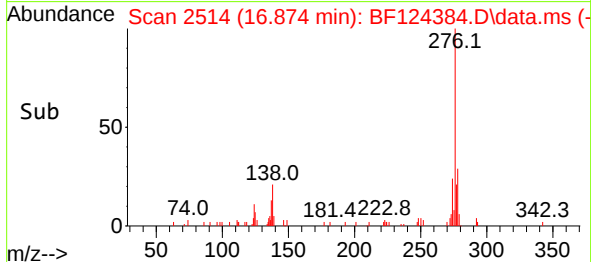
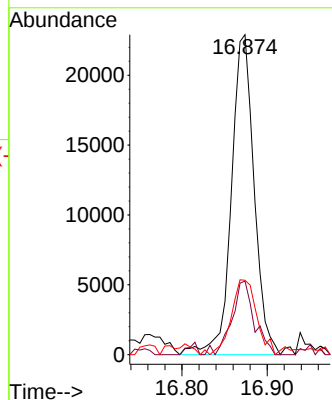
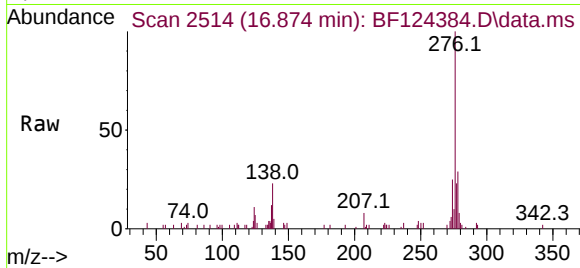




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.56 ng
RT: 16.874 min Scan# 2514
Delta R.T. 0.000 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

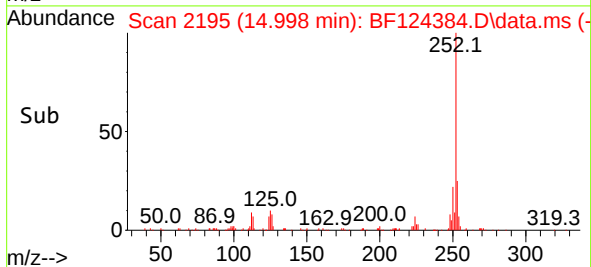
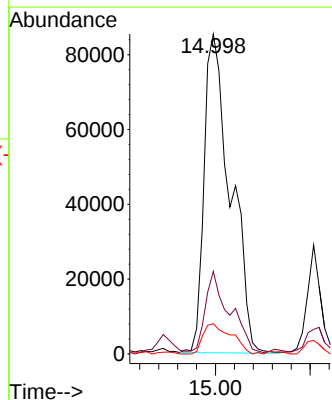
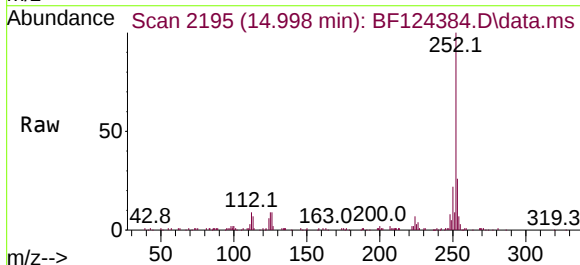
Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

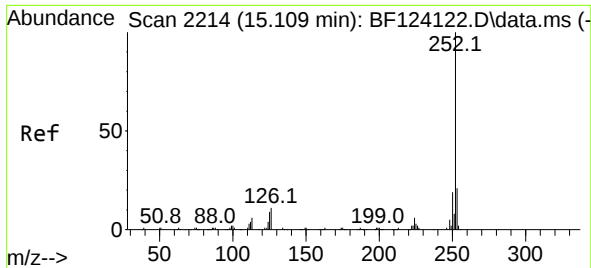
Tgt Ion:276 Resp: 42584
Ion Ratio Lower Upper
276 100
138 22.7 16.2 24.2
277 26.1 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 23.92 ng
RT: 14.998 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Tgt Ion:252 Resp: 165462
Ion Ratio Lower Upper
252 100
253 25.8 18.1 27.1
125 9.5 6.2 9.4#

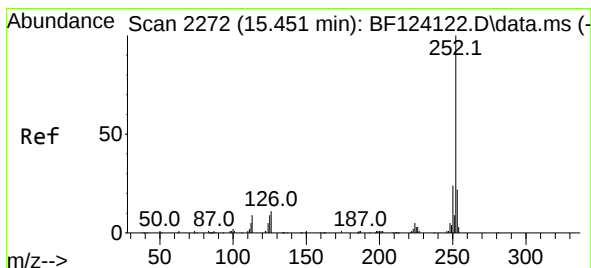
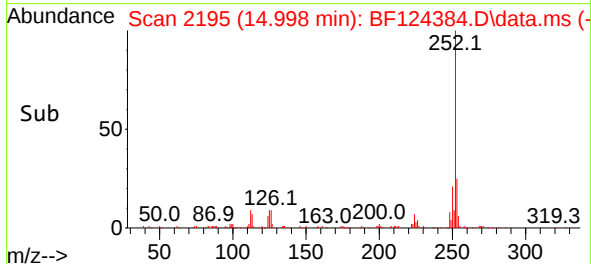
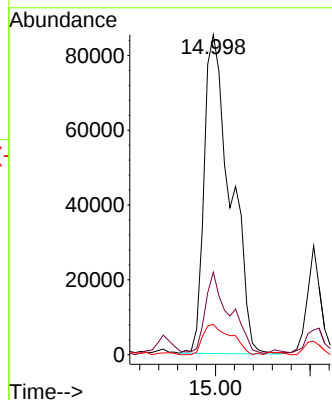
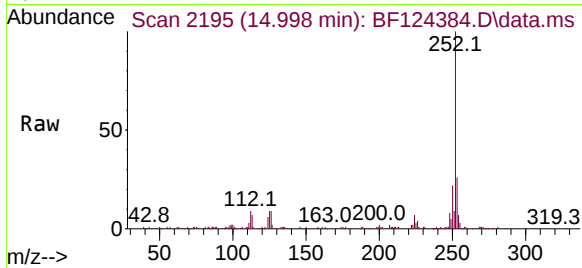




#89
Benzo(k)fluoranthene
Concen: 25.27 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

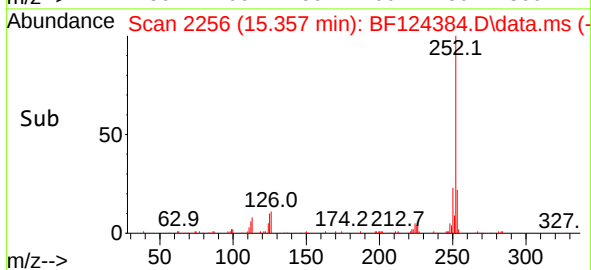
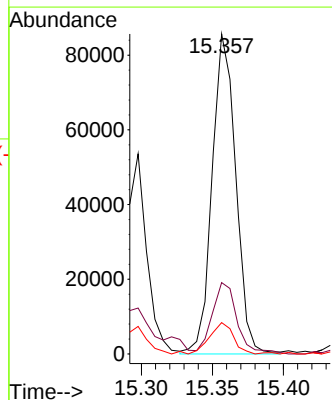
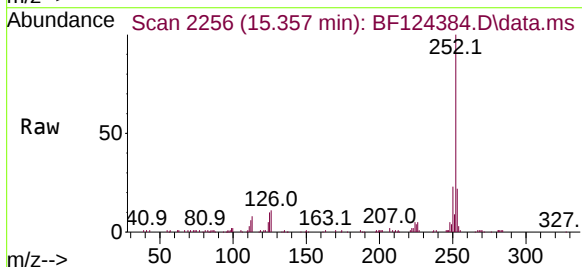
Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

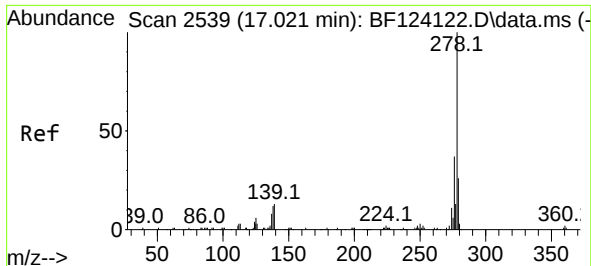
Tgt Ion:252 Resp: 165462
Ion Ratio Lower Upper
252 100
253 25.8 17.9 26.9
125 9.5 7.0 10.6



#90
Benzo(a)pyrene
Concen: 16.54 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Tgt Ion:252 Resp: 99377
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 9.8 8.0 12.0

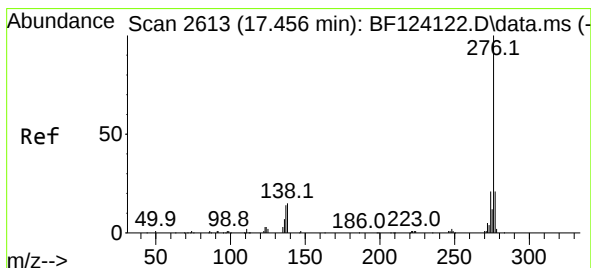
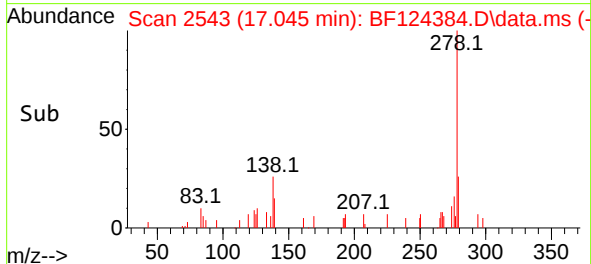
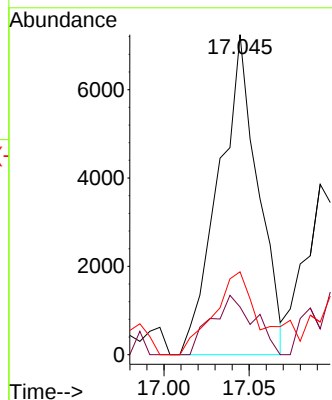
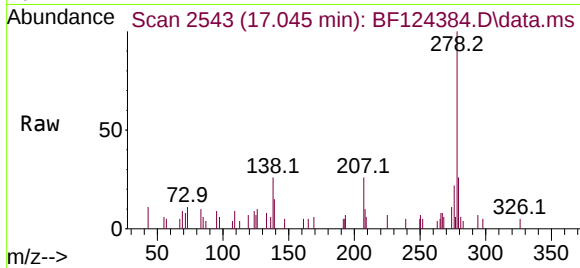




#91
Dibenzo(a,h)anthracene
Concen: 5.85 ng
RT: 17.045 min Scan# 2543
Delta R.T. 0.159 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

Tgt Ion:278 Resp: 11595
Ion Ratio Lower Upper
278 100
139 14.9 10.2 15.2
279 25.9 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 8.85 ng
RT: 17.315 min Scan# 2589
Delta R.T. 0.000 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Tgt Ion:276 Resp: 34152
Ion Ratio Lower Upper
276 100
277 19.5 18.2 27.2
138 15.9 13.8 20.6

