

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
 Data File : BF124144.D
 Acq On : 4 Jun 2021 17:33
 Operator : JU/CG
 Sample : M2597-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 124042

Quant Time: Jun 04 18:02:45 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 04 09:56:24 2021
 Response via : Initial Calibration

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

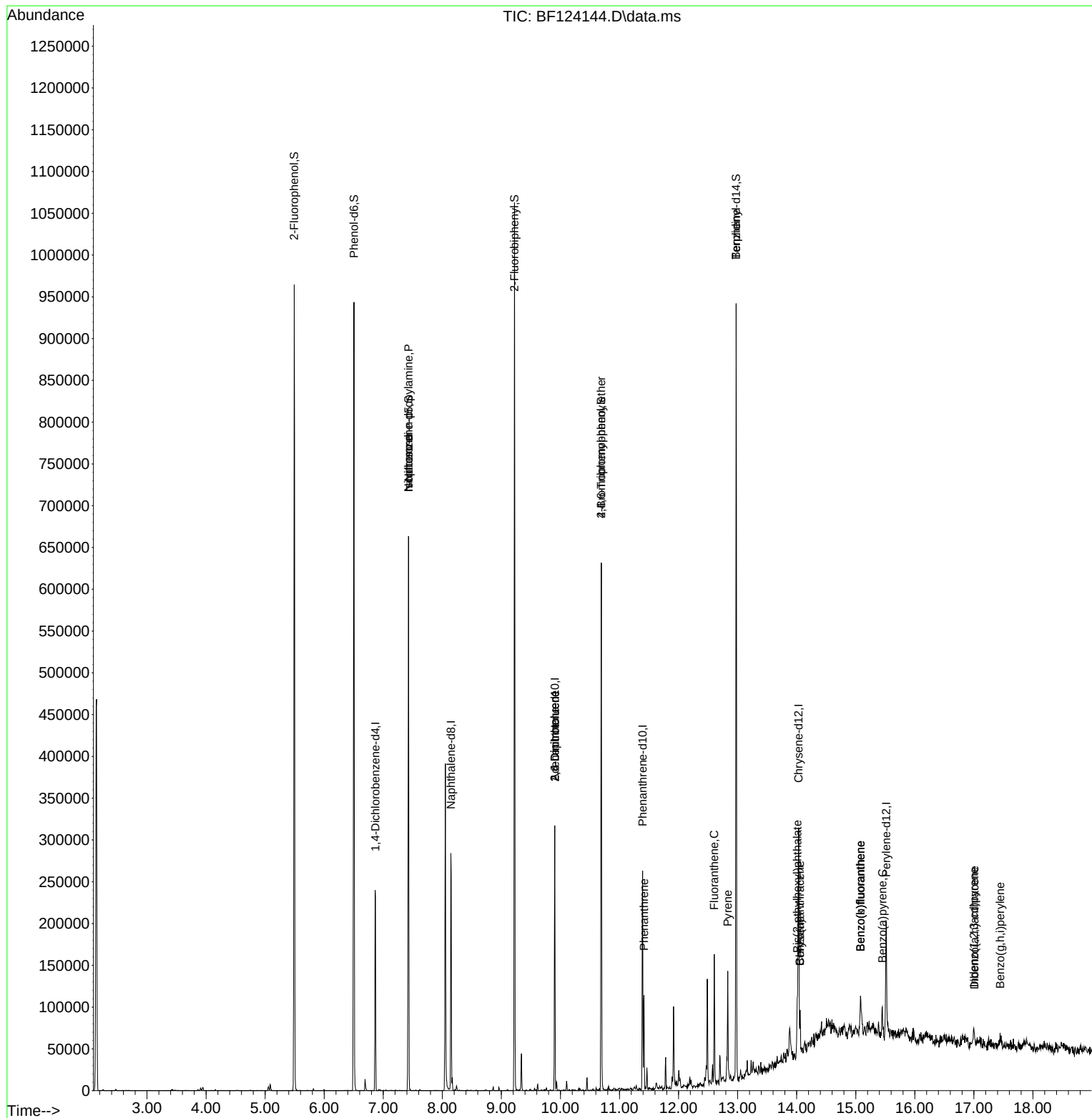
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	32314	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	108107	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	52546	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	87356	20.000	ng	0.00
76) Chrysene-d12	14.033	240	73438	20.000	ng	0.00
86) Perylene-d12	15.515	264	52568	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	208971	97.349	ng	0.00
7) Phenol-d6	6.504	99	240056	83.197	ng	0.00
23) Nitrobenzene-d5	7.428	82	173532	63.664	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	61580	82.719	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	259289	62.094	ng	0.00
79) Terphenyl-d14	12.974	244	252930	47.286	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	26587	13.053	ng	# 66
25) Isophorone	7.428	82	173528	35.328	ng	# 69
51) 2,6-Dinitrotoluene	9.904	165	8007	8.033	ng	# 12
57) 2,4-Dinitrotoluene	9.904	165	8007	6.091	ng	# 17
67) 4-Bromophenyl-phenylether	10.692	248	4486	3.741	ng	# 1
71) Phenanthrene	11.416	178	38654	7.083	ng	# 96
75) Fluoranthene	12.604	202	50537	8.823	ng	96
77) Benzidine	12.974	184	4712	6.581	ng	# 76
78) Pyrene	12.833	202	43830	6.215	ng	97
81) Benzo(a)anthracene	14.057	228	16942	3.167	ng	92
83) Chrysene	14.057	228	16942	3.282	ng	95
84) Bis(2-ethylhexyl)phtha...	14.010	149	14638	4.302	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	7670	5.930	ng	95
88) Benzo(b)fluoranthene	15.080	252	23686	5.800	ng	# 86
89) Benzo(k)fluoranthene	15.080	252	23686	6.127	ng	# 86
90) Benzo(a)pyrene	15.451	252	11532	3.251	ng	# 88
91) Dibenzo(a,h)anthracene	17.009	278	2548	4.798	ng	# 81
92) Benzo(g,h,i)perylene	17.445	276	5864	5.272	ng	# 61

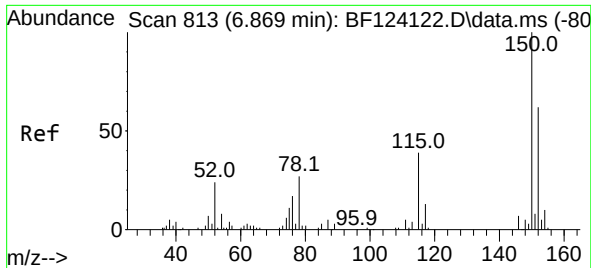
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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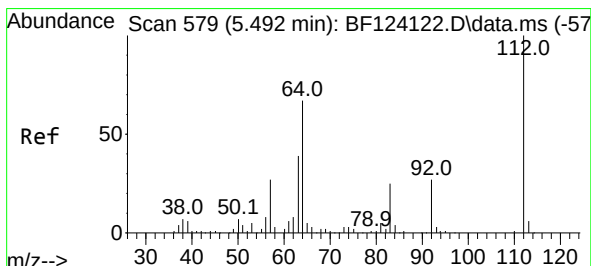
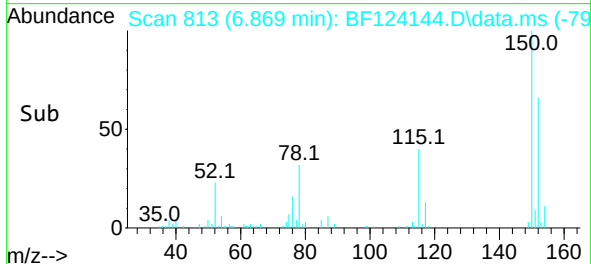
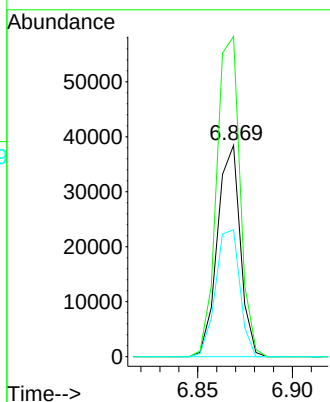
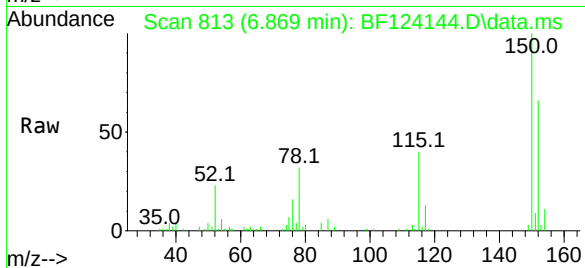




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

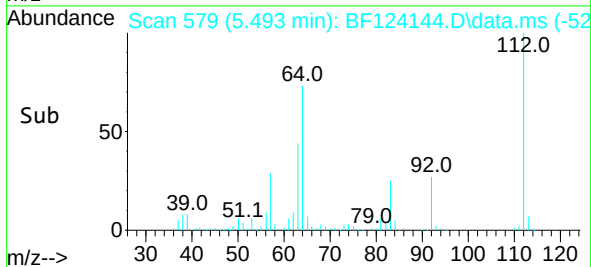
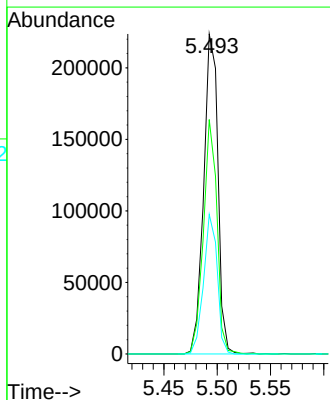
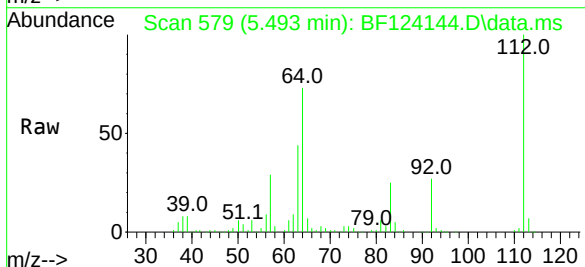
Instrument :
BNA_F
ClientSampleId :
124042

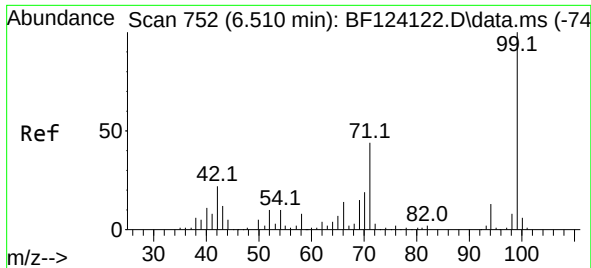
Tgt Ion:152 Resp: 32314
Ion Ratio Lower Upper
152 100
150 151.4 127.0 190.6
115 60.0 54.3 81.5



#5
2-Fluorophenol
Concen: 97.349 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion:112 Resp: 208971
Ion Ratio Lower Upper
112 100
64 73.3 61.4 92.0
63 43.6 33.0 49.4

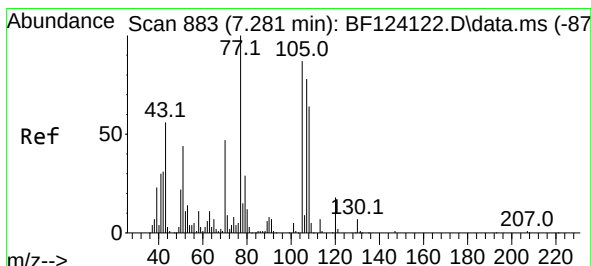
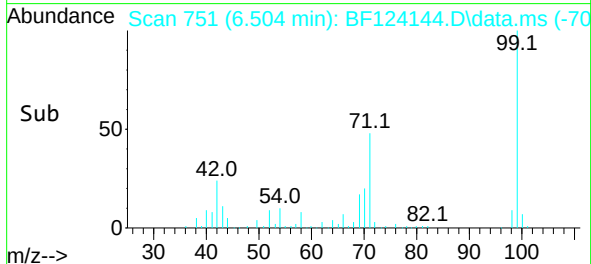
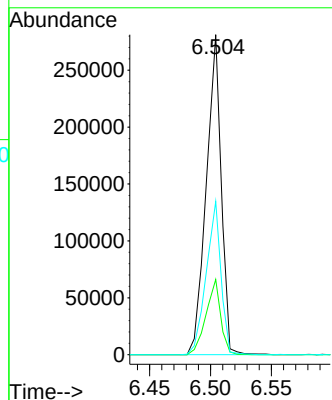
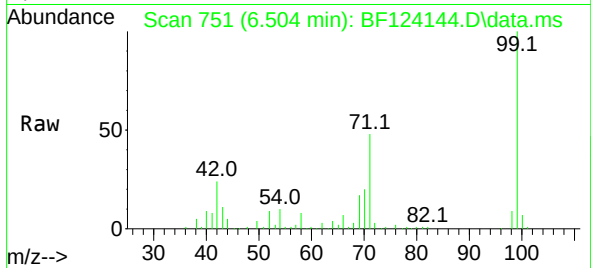




#7
Phenol-d6
Concen: 83.197 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

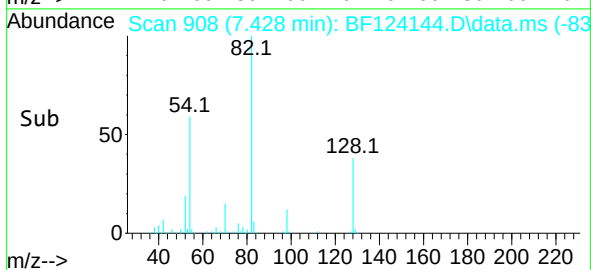
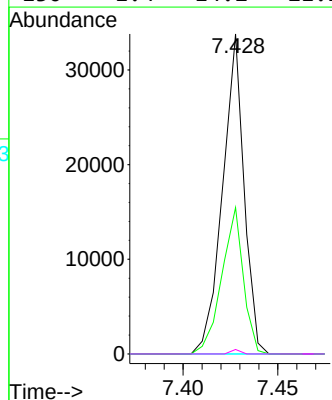
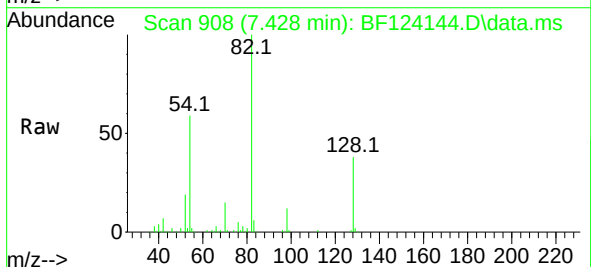
Instrument :
BNA_F
ClientSampled :
124042

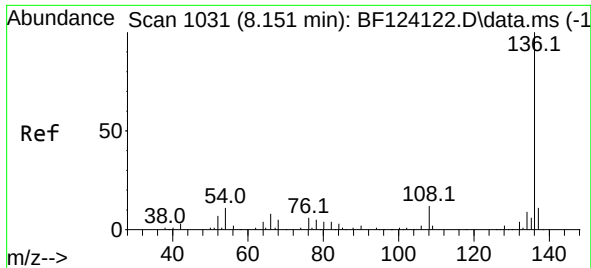
Tgt Ion: 99 Resp: 240056
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.8
71 47.9 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 13.053 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion: 70 Resp: 26587
Ion Ratio Lower Upper
70 100
42 45.7 60.1 90.1#
101 0.0 7.4 11.2#
130 1.4 14.2 21.2#

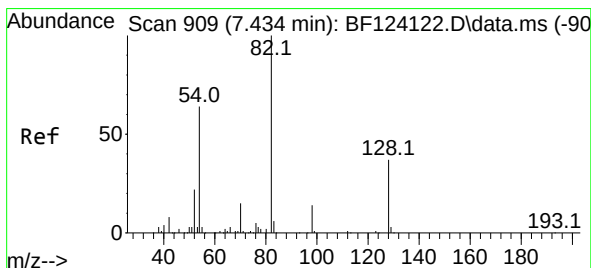
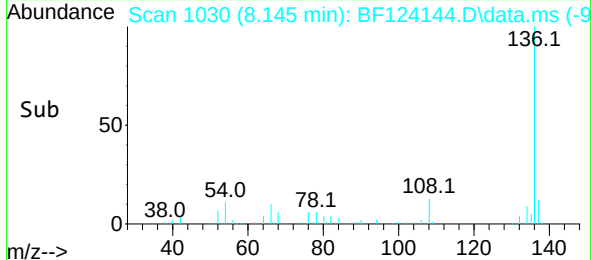
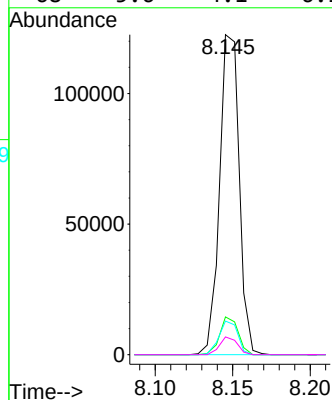
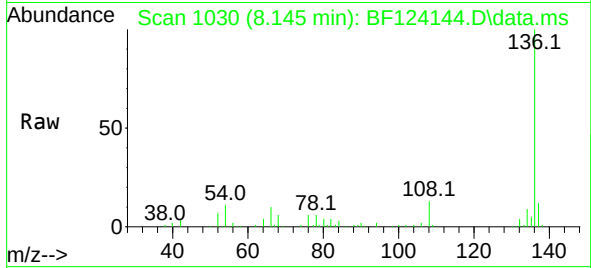




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

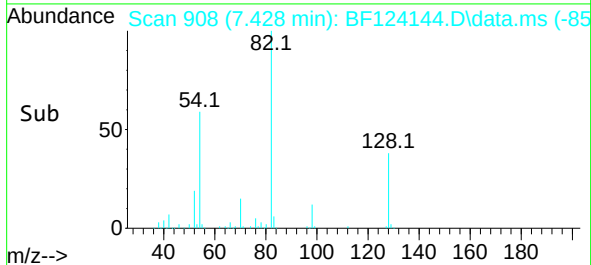
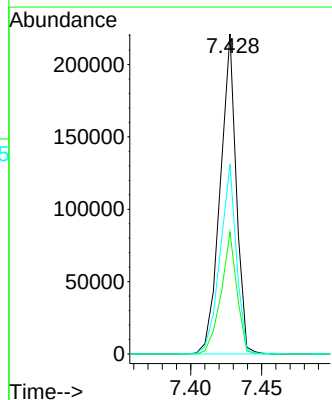
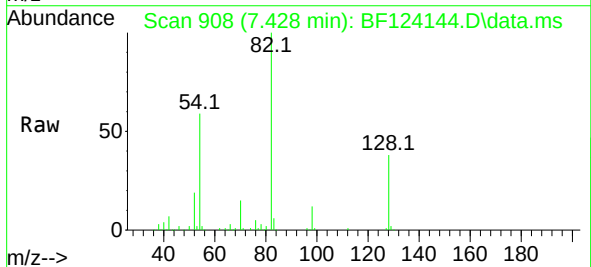
Instrument :
BNA_F
ClientSampleId :
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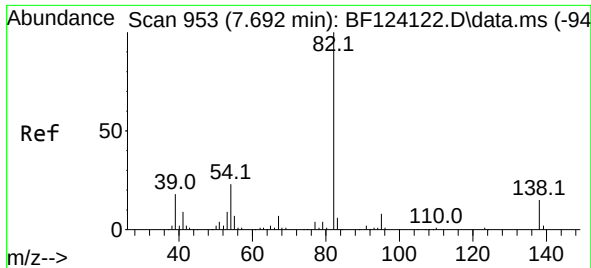
Tgt Ion:	136	Resp:	108107
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.7	13.1
54	10.5	9.8	14.6
68	5.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 63.664 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion:	82	Resp:	173532
Ion	Ratio	Lower	Upper
82	100		
128	38.2	29.4	44.2
54	59.3	54.1	81.1

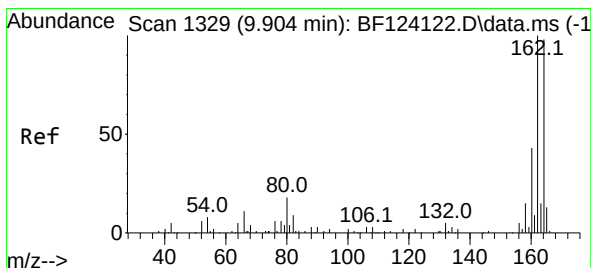
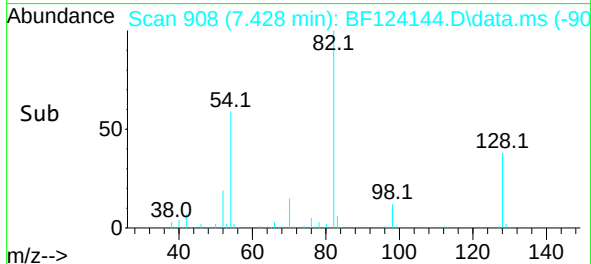
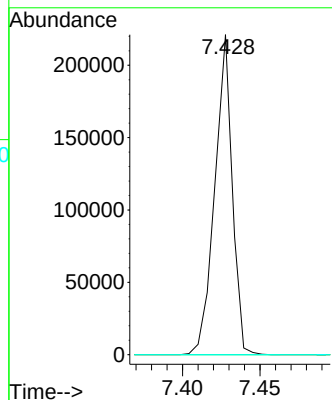
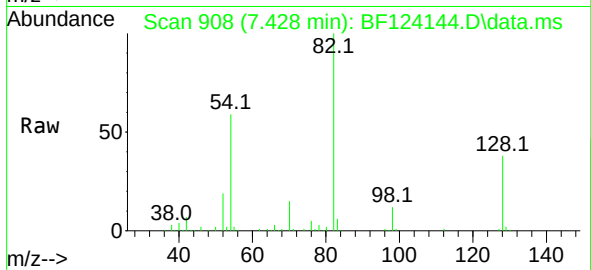




#25
Isophorone
Concen: 35.328 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

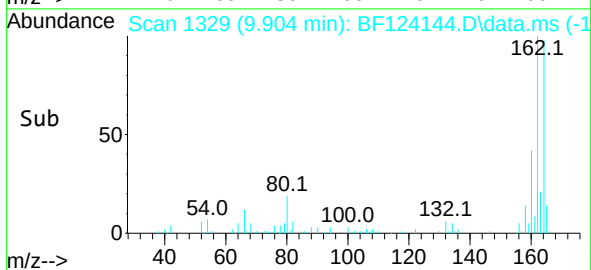
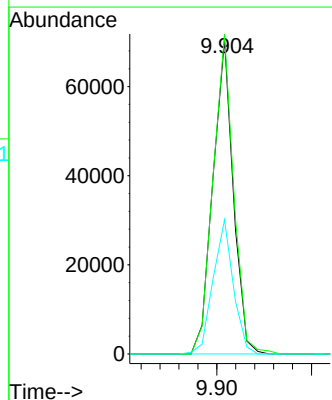
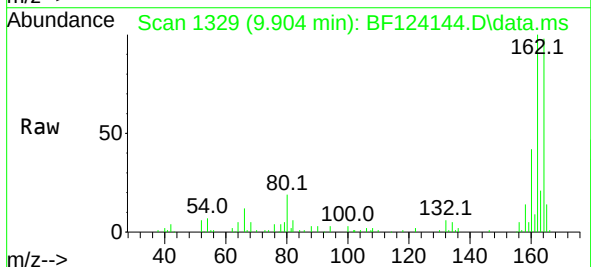
Instrument :
BNA_F
ClientSampleId :
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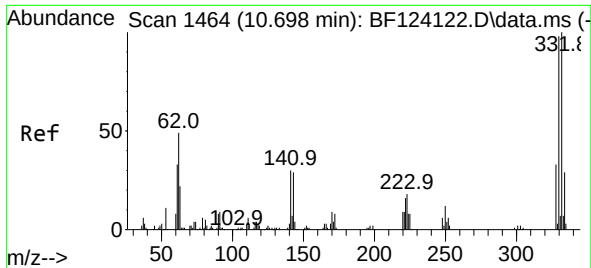
Tgt Ion: 82 Resp: 173528
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion: 164 Resp: 52546
Ion Ratio Lower Upper
164 100
162 101.6 80.7 121.1
160 42.6 37.3 55.9

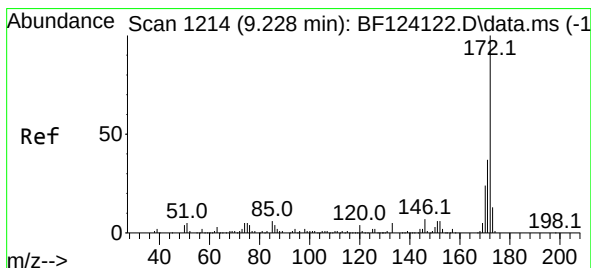
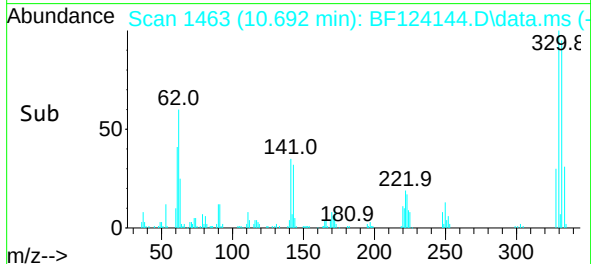
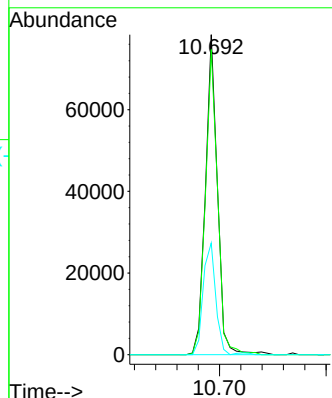
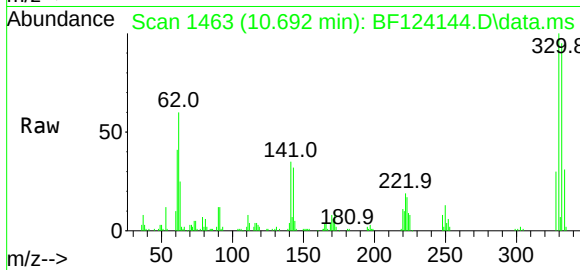




#42
2,4,6-Tribromophenol
Concen: 82.719 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

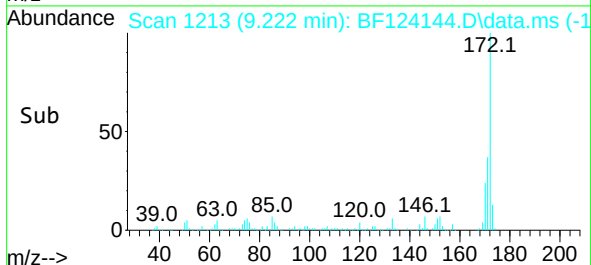
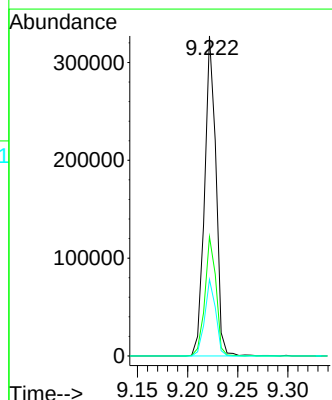
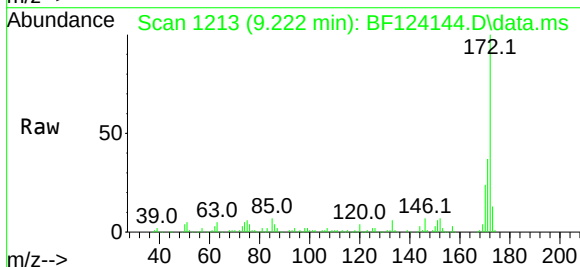
Instrument :
BNA_F
ClientSampleId :
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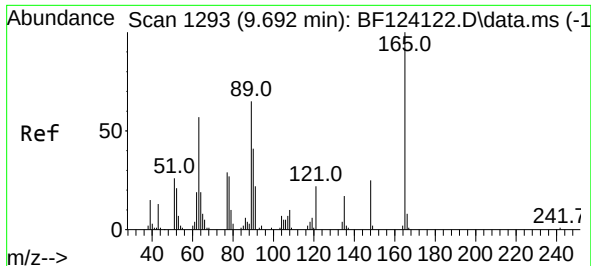
Tgt Ion: 330 Resp: 61580
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 36.5 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 62.094 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion: 172 Resp: 259289
Ion Ratio Lower Upper
172 100
171 37.2 28.1 42.1
170 23.9 19.2 28.8

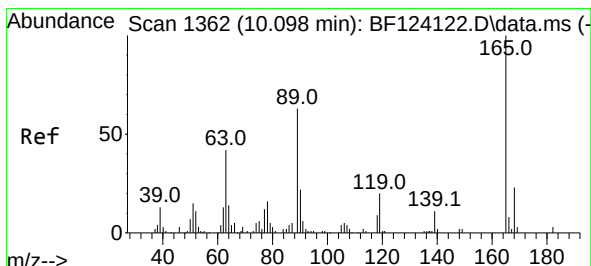
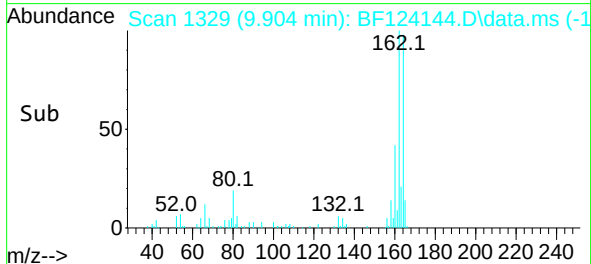
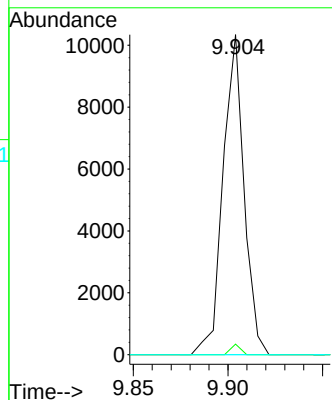
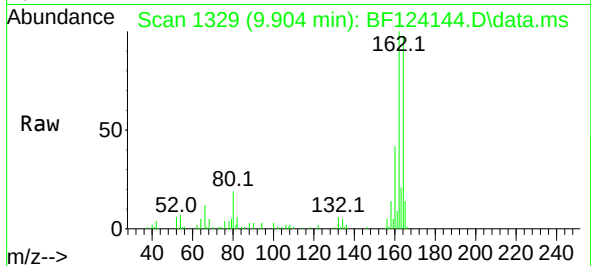




#51
2,6-Dinitrotoluene
Concen: 8.033 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

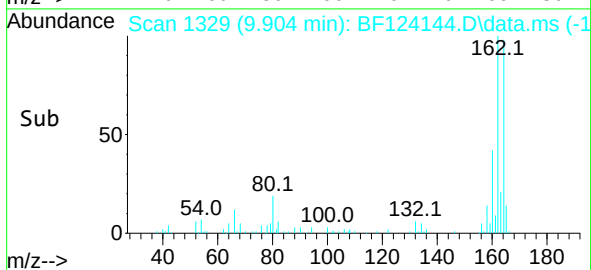
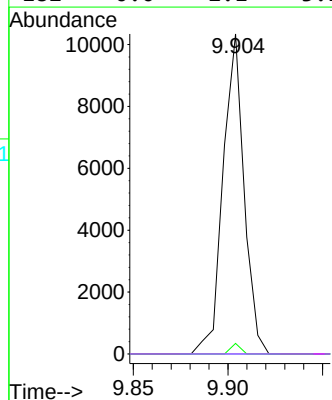
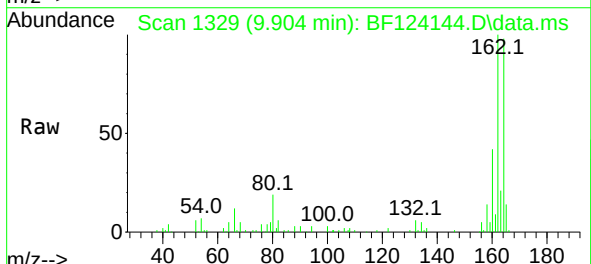
Instrument :
BNA_F
ClientSampled :
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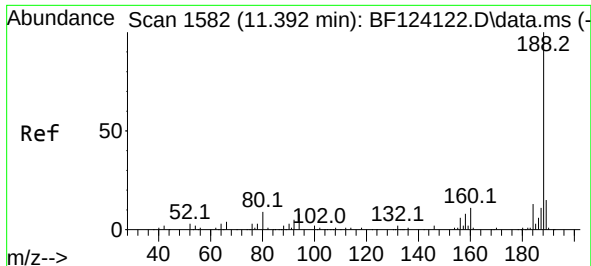
Tgt Ion:165 Resp: 8007
Ion Ratio Lower Upper
165 100
63 3.3 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.091 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion:165 Resp: 8007
Ion Ratio Lower Upper
165 100
63 3.3 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

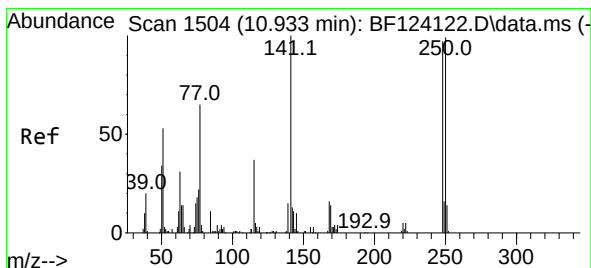
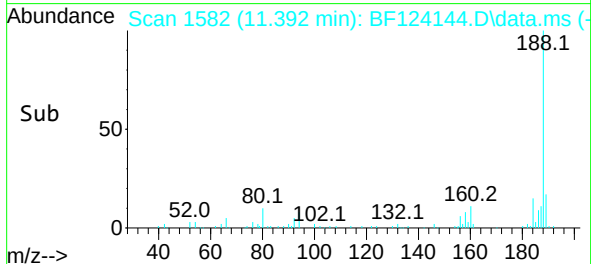
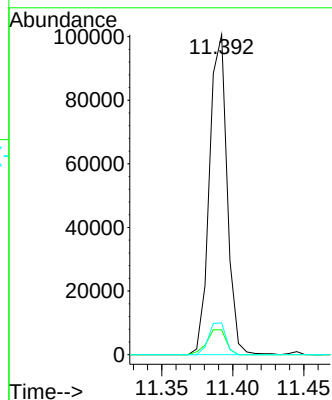
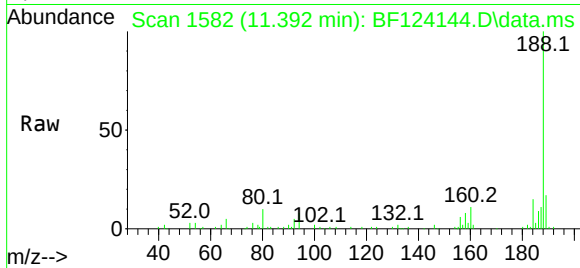




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

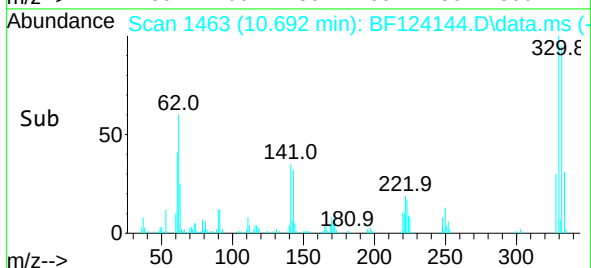
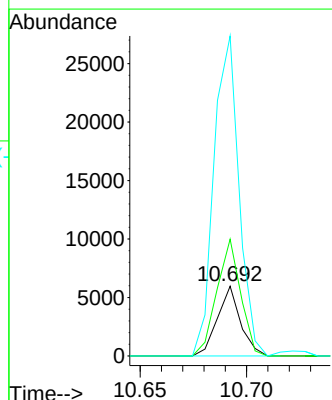
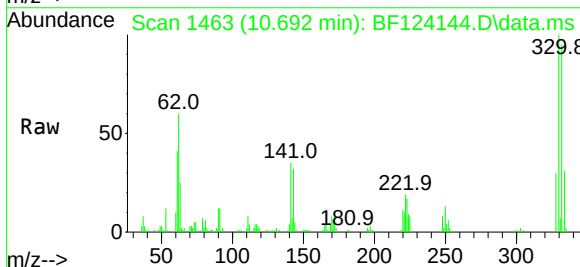
Instrument :
BNA_F
ClientSampleId :
124042

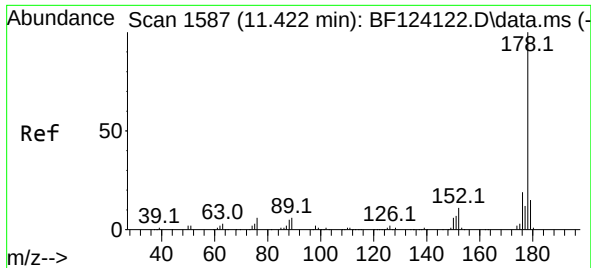
Tgt Ion:188 Resp: 87356
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 9.9 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.741 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.241 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion:248 Resp: 4486
Ion Ratio Lower Upper
248 100
250 167.4 77.4 116.2#
141 458.4 63.7 95.5#

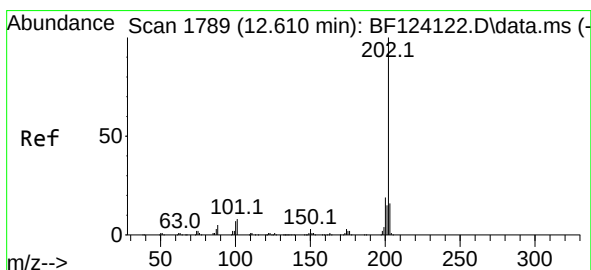
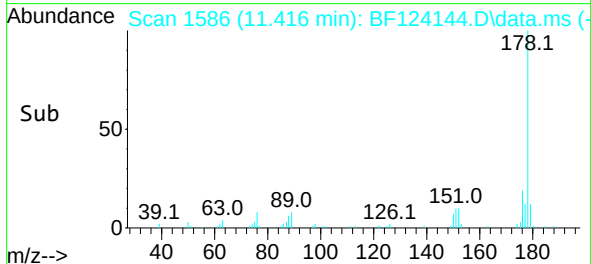
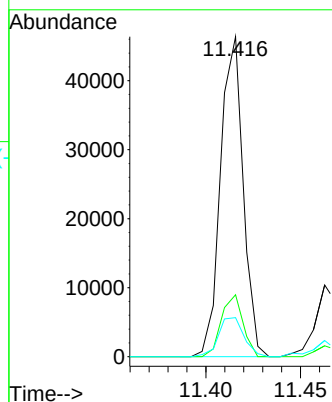
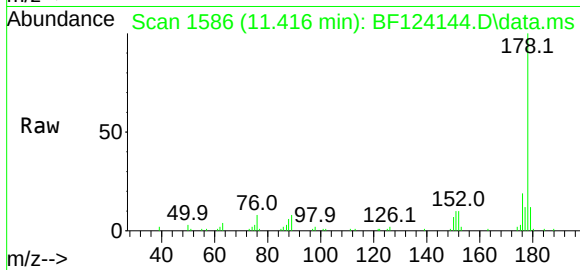




#71
Phenanthrene
Concen: 7.083 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

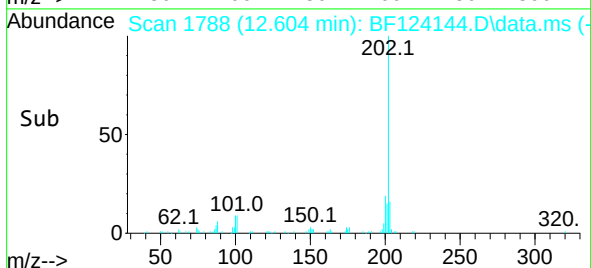
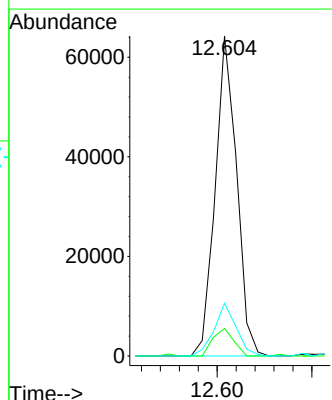
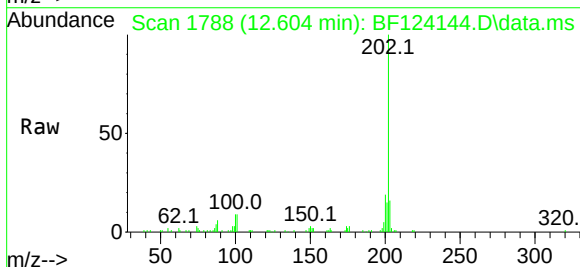
Instrument :
BNA_F
ClientSampled :
124042

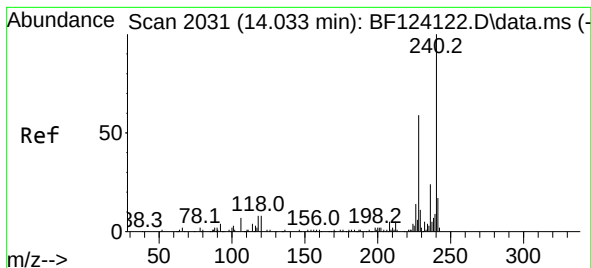
Tgt Ion:178 Resp: 38654
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 12.2 12.5 18.7#



#75
Fluoranthene
Concen: 8.823 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion:202 Resp: 50537
Ion Ratio Lower Upper
202 100
101 8.6 0.0 30.9
203 16.4 0.0 37.5

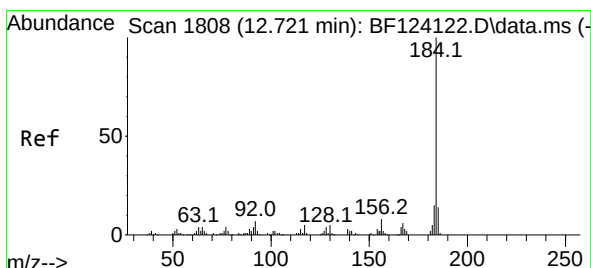
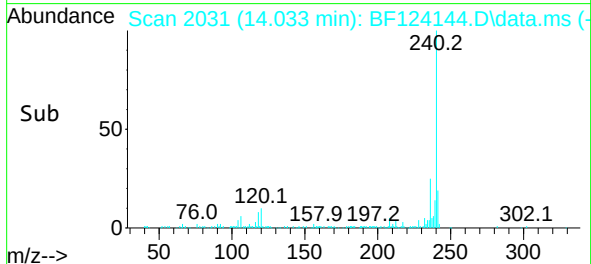
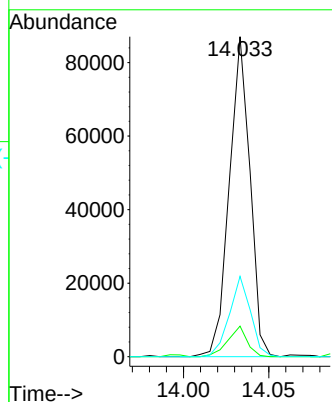
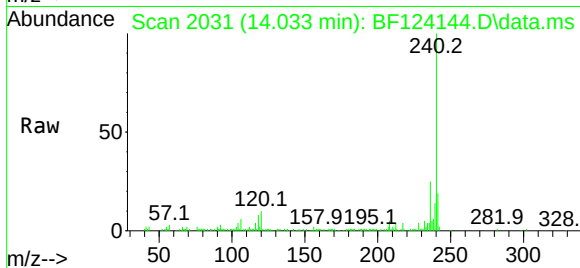




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

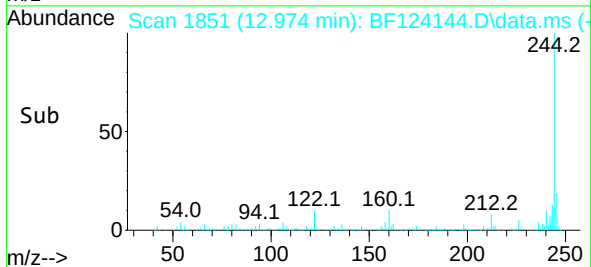
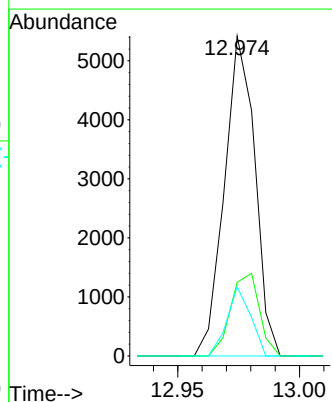
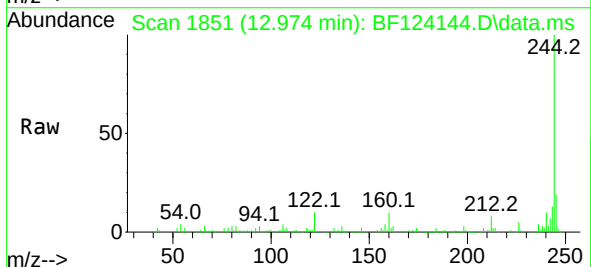
Instrument :
BNA_F
ClientSampled :
124042

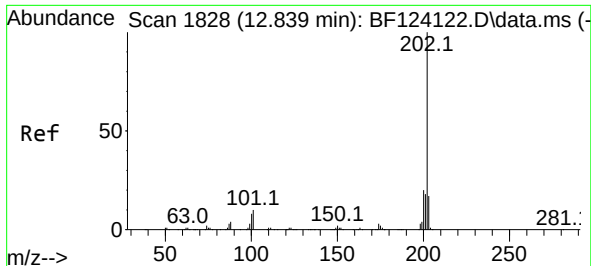
Tgt Ion:240 Resp: 73438
Ion Ratio Lower Upper
240 100
120 9.5 7.2 10.8
236 25.1 19.0 28.4



#77
Benzidine
Concen: 6.581 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.253 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion:184 Resp: 4712
Ion Ratio Lower Upper
184 100
185 23.0 12.1 18.1#
183 21.6 7.8 11.8#

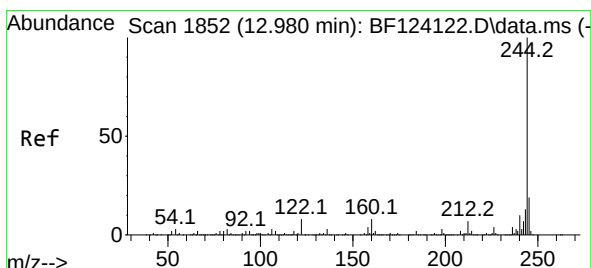
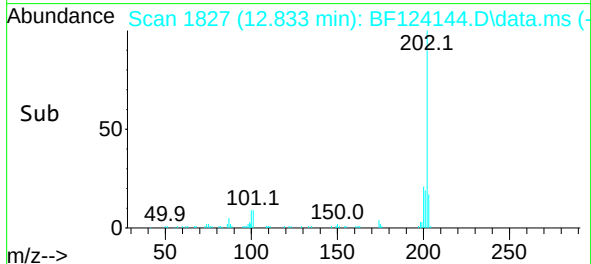
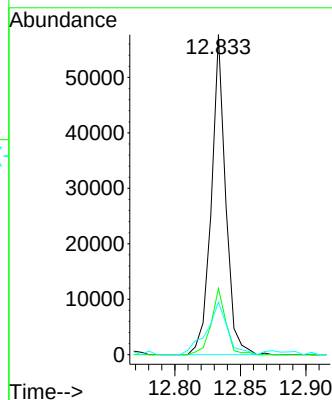
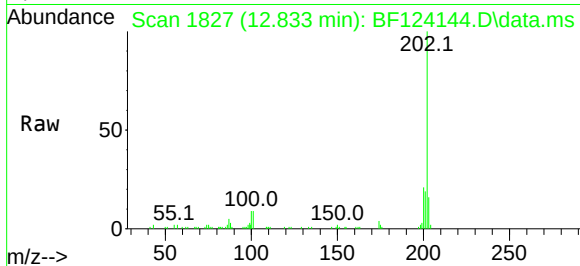




#78
Pyrene
Concen: 6.215 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

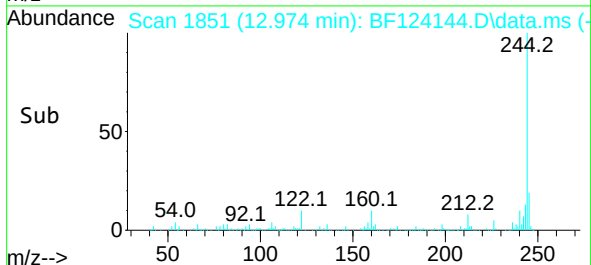
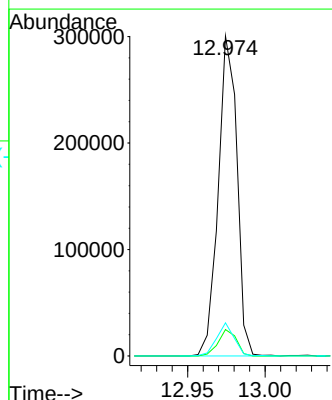
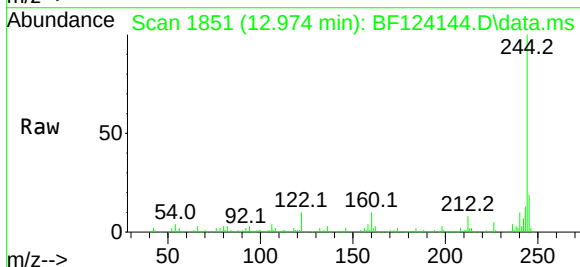
Instrument :
BNA_F
ClientSampleId :
124042

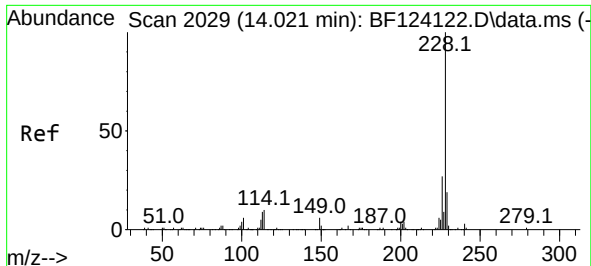
Tgt Ion:202 Resp: 43830
Ion Ratio Lower Upper
202 100
200 20.7 16.1 24.1
203 16.5 14.8 22.2



#79
Terphenyl-d14
Concen: 47.286 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion:244 Resp: 252930
Ion Ratio Lower Upper
244 100
212 8.3 5.7 8.5
122 10.3 9.7 14.5

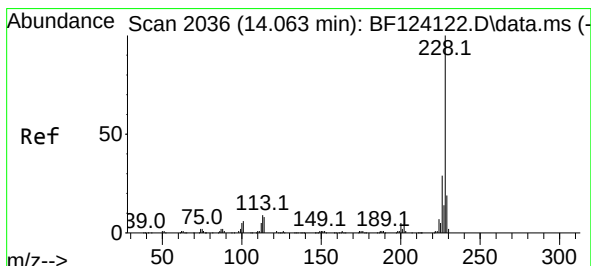
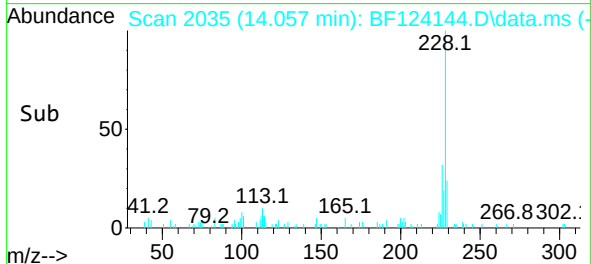
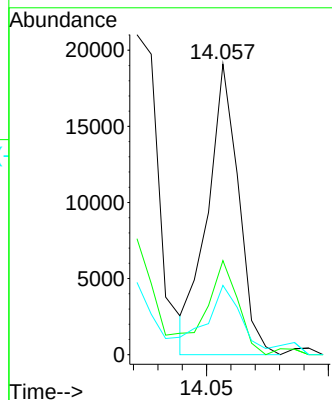
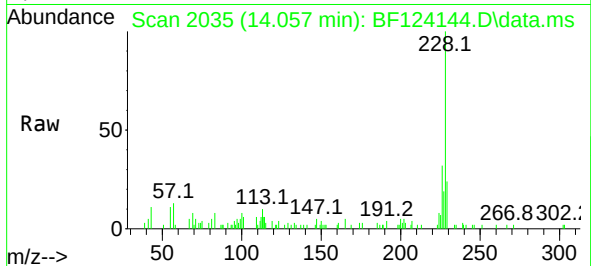




#81
Benzo(a)anthracene
Concen: 3.167 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.035 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

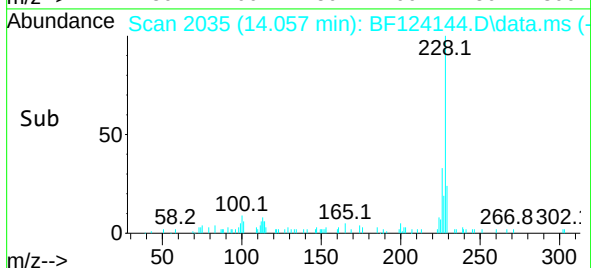
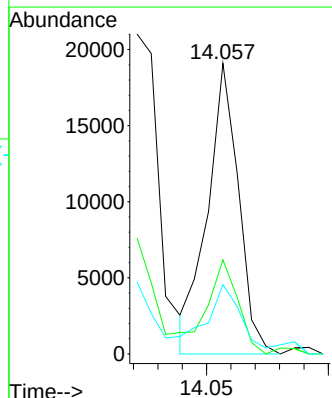
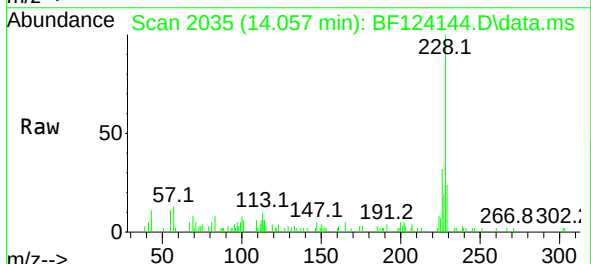
Instrument :
BNA_F
ClientSampled :
124042

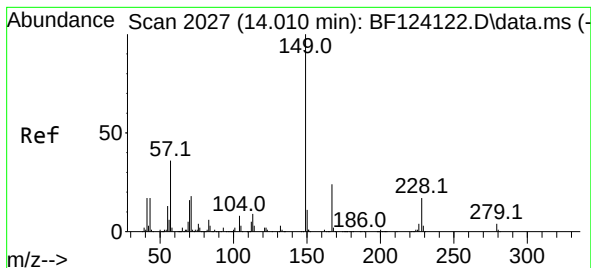
Tgt Ion:228 Resp: 16942
Ion Ratio Lower Upper
228 100
226 32.4 22.4 33.6
229 23.9 16.0 24.0



#83
Chrysene
Concen: 3.282 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion:228 Resp: 16942
Ion Ratio Lower Upper
228 100
226 32.4 24.3 36.5
229 23.9 16.2 24.2

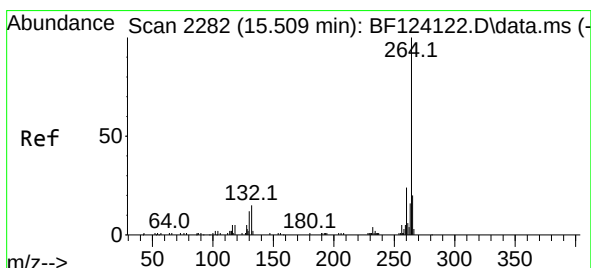
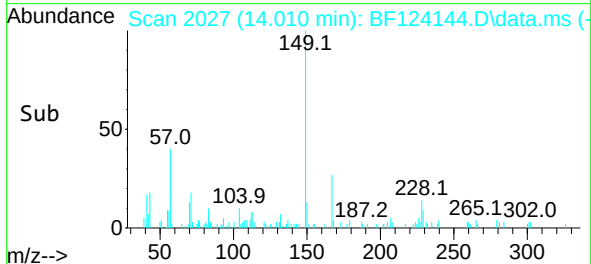
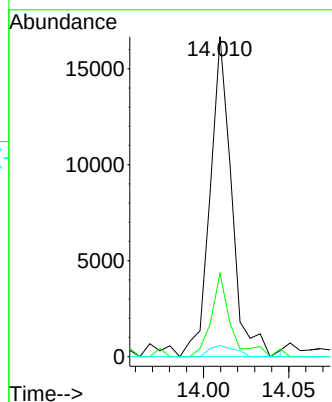
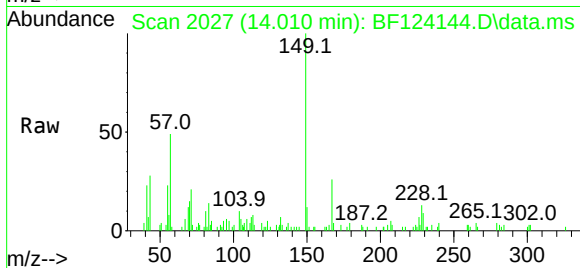




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.302 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

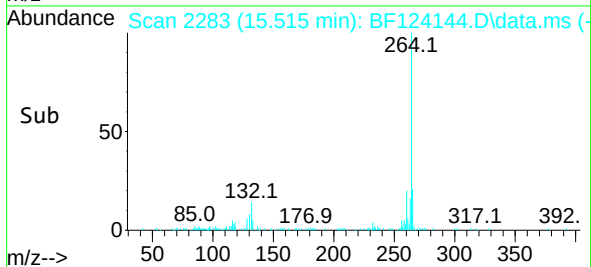
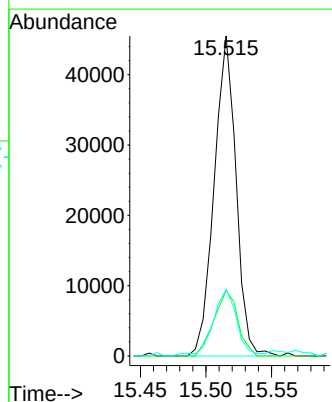
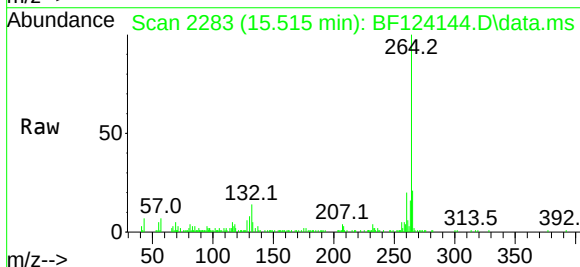
Instrument :
BNA_F
ClientSampled :
124042

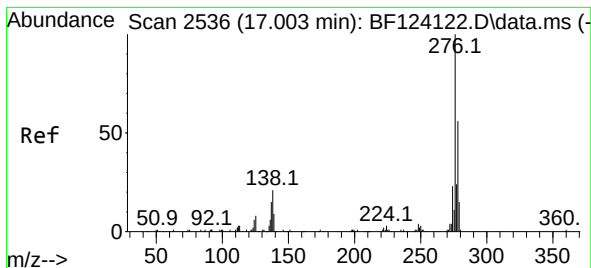
Tgt Ion:149 Resp: 14638
Ion Ratio Lower Upper
149 100
167 26.0 21.8 32.6
279 3.5 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion:264 Resp: 52568
Ion Ratio Lower Upper
264 100
260 20.4 18.7 28.1
265 20.8 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.930 ng

RT: 17.004 min Scan# 2536

Delta R.T. 0.001 min

Lab File: BF124144.D

Acq: 4 Jun 2021 17:33

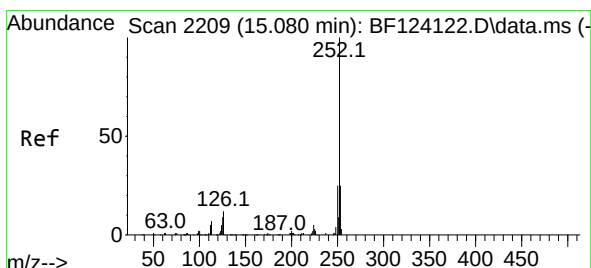
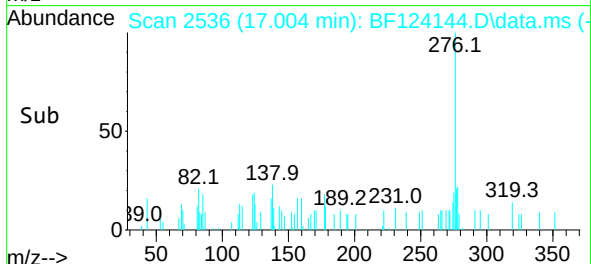
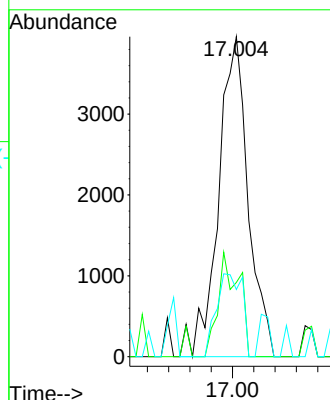
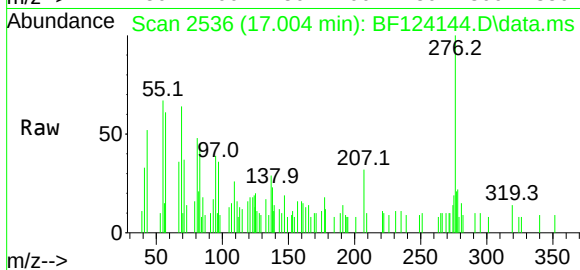
Instrument :

BNA_F

ClientSampleId :

124042

Tgt Ion:	276	Resp:	7670
Ion	Ratio	Lower	Upper
276	100		
138	22.7	16.2	24.2
277	22.5	20.1	30.1



#88

Benzo(b)fluoranthene

Concen: 5.800 ng

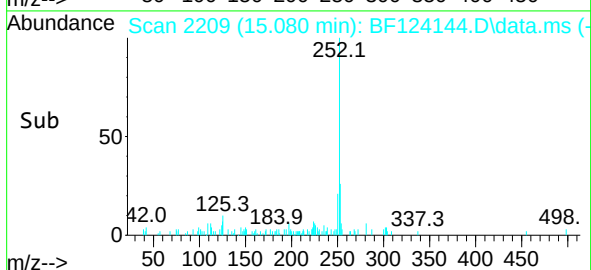
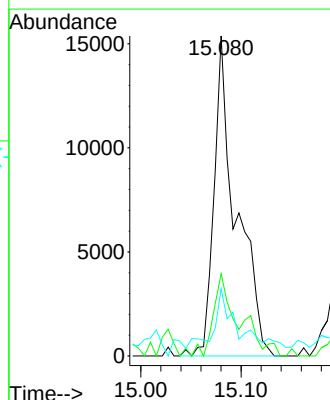
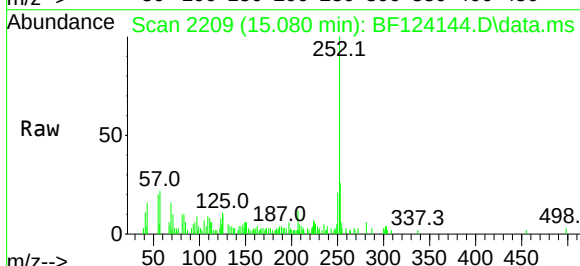
RT: 15.080 min Scan# 2209

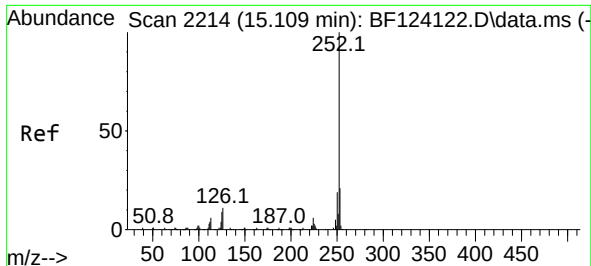
Delta R.T. 0.000 min

Lab File: BF124144.D

Acq: 4 Jun 2021 17:33

Tgt Ion:	252	Resp:	23686
Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.1	27.1
125	21.0	6.2	9.4

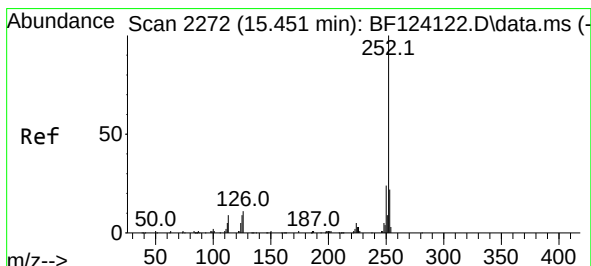
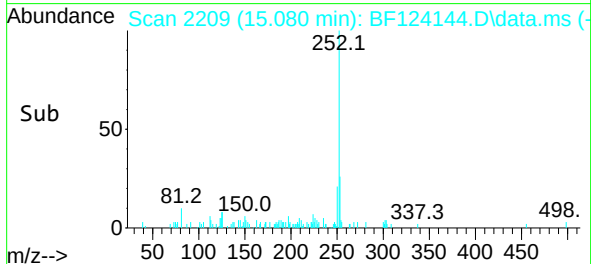
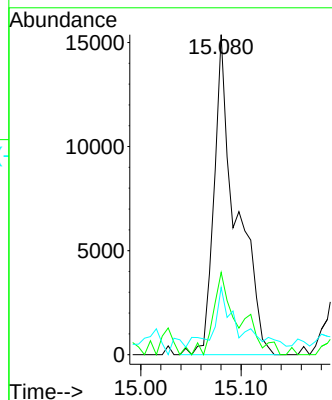
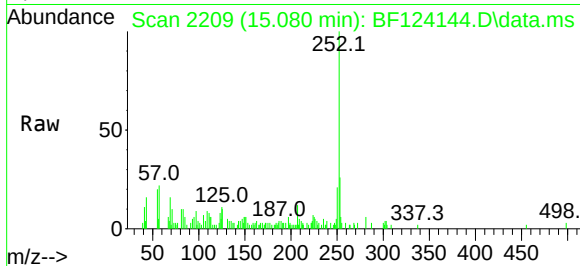




#89
Benzo(k)fluoranthene
Concen: 6.127 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.029 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

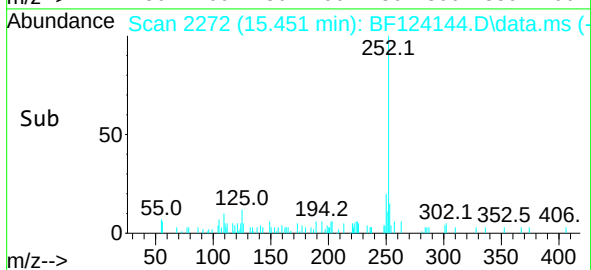
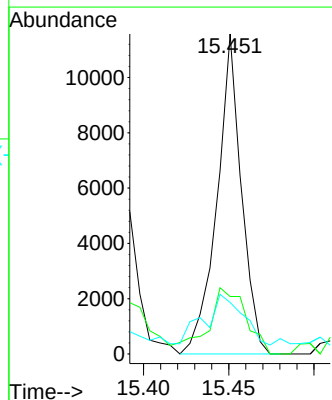
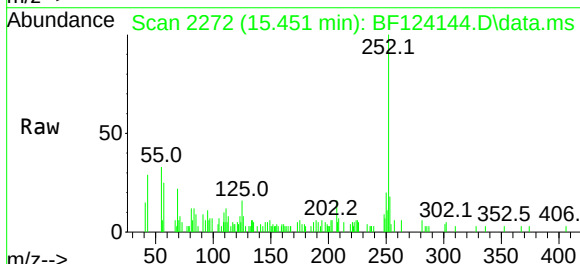
Instrument :
BNA_F
ClientSampled :
124042

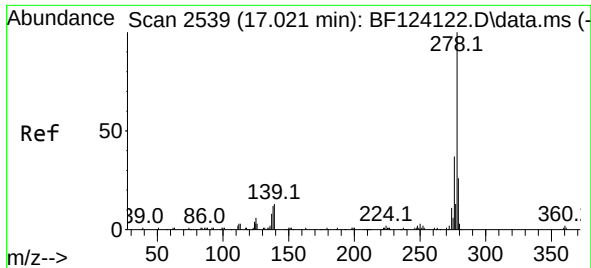
Tgt Ion:252 Resp: 23686
Ion Ratio Lower Upper
252 100
253 25.7 17.9 26.9
125 21.0 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 3.251 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion:252 Resp: 11532
Ion Ratio Lower Upper
252 100
253 18.0 18.4 27.6#
125 16.1 8.0 12.0#

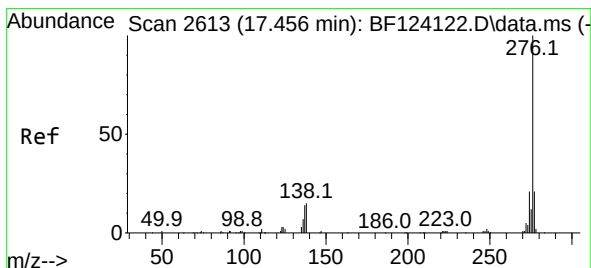
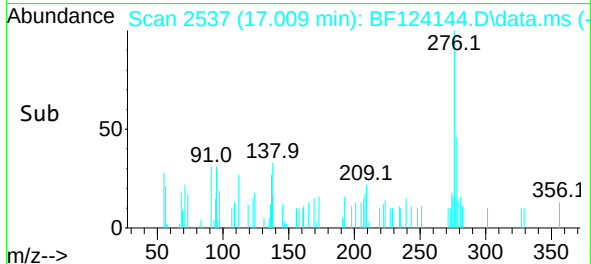
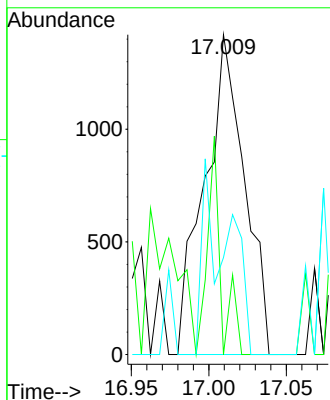
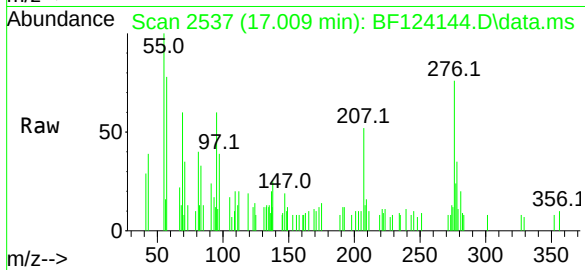




#91
Dibenzo(a,h)anthracene
Concen: 4.798 ng
RT: 17.009 min Scan# 2537
Delta R.T. -0.012 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Instrument :
BNA_F
ClientSampleId :
124042

Tgt Ion:278 Resp: 2548
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 30.4 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 5.272 ng
RT: 17.445 min Scan# 2611
Delta R.T. -0.011 min
Lab File: BF124144.D
Acq: 4 Jun 2021 17:33

Tgt Ion:276 Resp: 5864
Ion Ratio Lower Upper
276 100
277 44.1 18.2 27.2#
138 31.0 13.8 20.6#

