

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
 Data File : BF124145.D
 Acq On : 4 Jun 2021 18:06
 Operator : JU/CG
 Sample : M2597-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 124019

Quant Time: Jun 04 22:51:01 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)

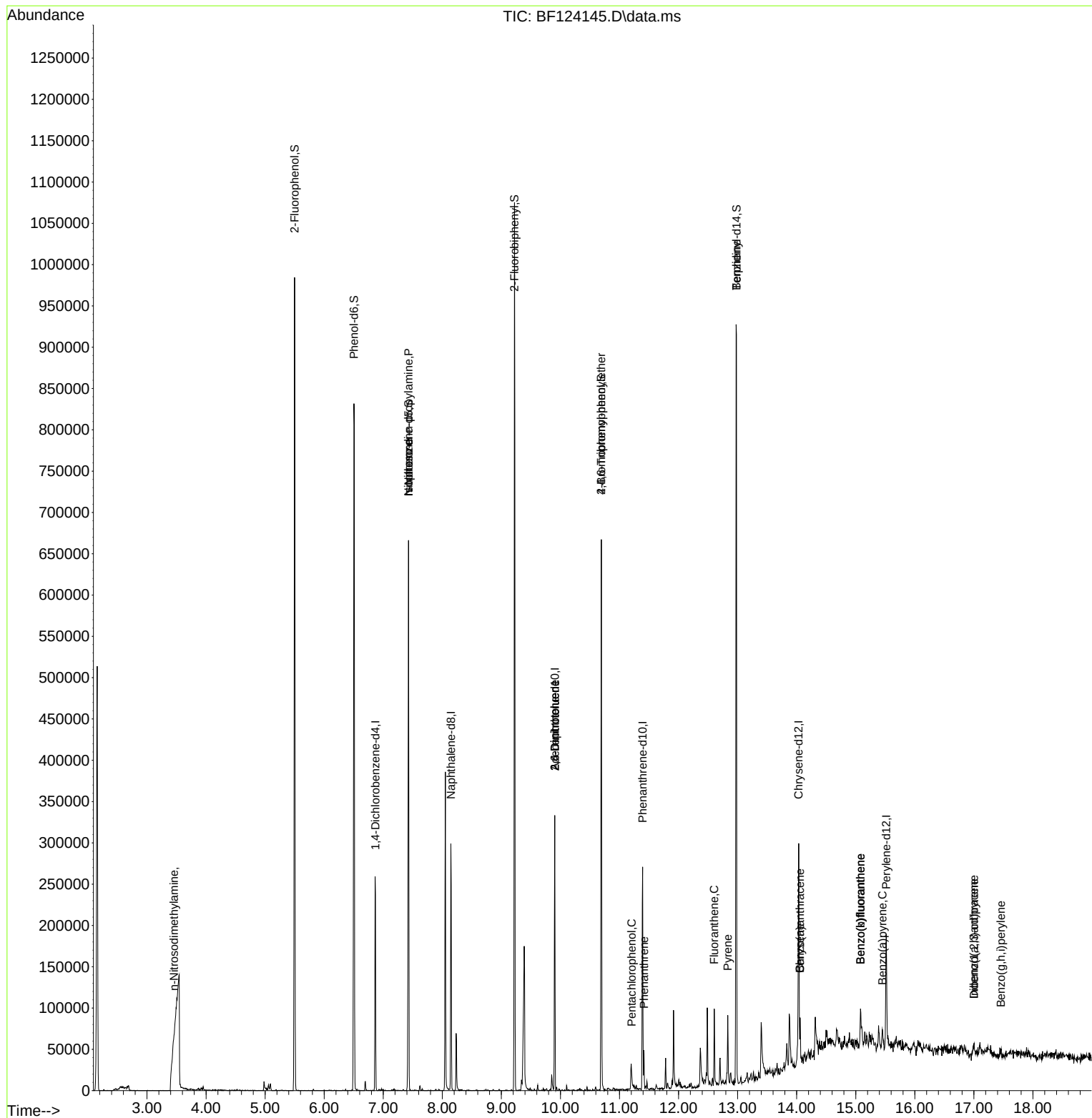
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	33875	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	111533	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	54105	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	91018	20.00	ng	# 0.00
76) Chrysene-d12	14.033	240	73978	20.00	ng	0.00
86) Perylene-d12	15.515	264	52768	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	212473	94.42	ng	0.00
7) Phenol-d6	6.504	99	252364	83.43	ng	0.00
23) Nitrobenzene-d5	7.428	82	184608	65.65	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	64195	83.75	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	281365	65.44	ng	0.00
79) Terphenyl-d14	12.980	244	284629	52.82	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.457	42	6506	4.34	ng	# 1
19) n-Nitroso-di-n-propyla...	7.428	70	25262	11.83	ng	# 73
25) Isophorone	7.428	82	184604	36.43	ng	# 69
51) 2,6-Dinitrotoluene	9.904	165	6796	6.62	ng	# 12
57) 2,4-Dinitrotoluene	9.904	165	6796	5.02	ng	# 17
67) 4-Bromophenyl-phenylether	10.692	248	4382	3.51	ng	# 1
70) Pentachlorophenol	11.204	266	609	5.43	ng	# 18
71) Phenanthrene	11.416	178	15969	2.81	ng	# 96
75) Fluoranthene	12.604	202	29828	5.00	ng	94
77) Benzidine	12.980	184	5771	7.12	ng	# 88
78) Pyrene	12.833	202	28090	3.95	ng	97
81) Benzo(a)anthracene	14.057	228	16629	3.09	ng	94
83) Chrysene	14.057	228	16629	3.20	ng	97
87) Indeno(1,2,3-cd)pyrene	17.003	276	6005	5.58	ng	# 87
88) Benzo(b)fluoranthene	15.080	252	21979	5.36	ng	# 95
89) Benzo(k)fluoranthene	15.080	252	21979	5.66	ng	95
90) Benzo(a)pyrene	15.451	252	10279	2.89	ng	# 89
91) Dibenzo(a,h)anthracene	17.003	278	1402	4.52	ng	# 13
92) Benzo(g,h,i)perylene	17.456	276	5177	5.10	ng	# 63

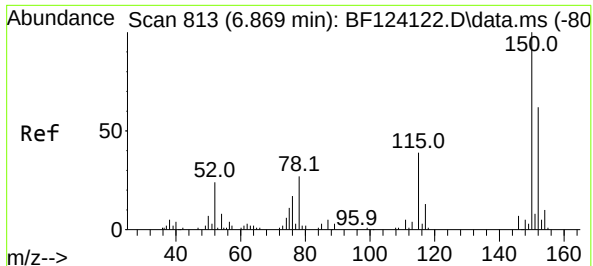
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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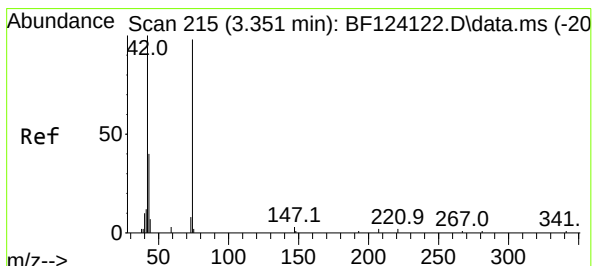
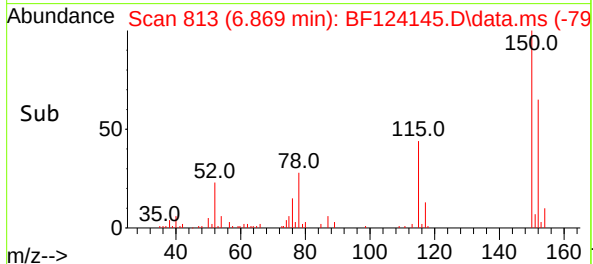
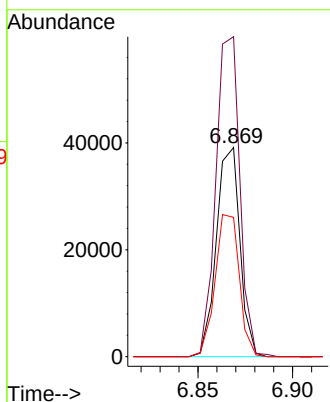
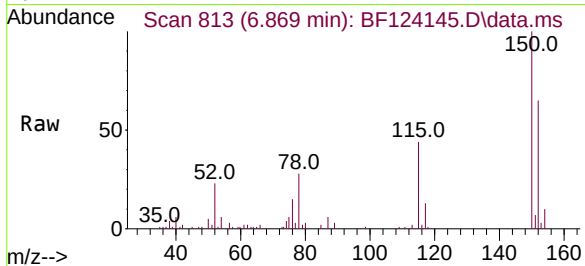




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

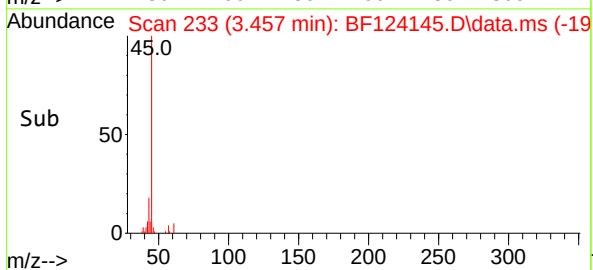
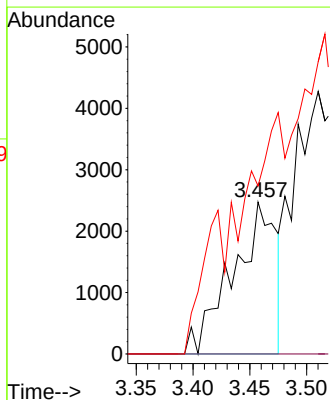
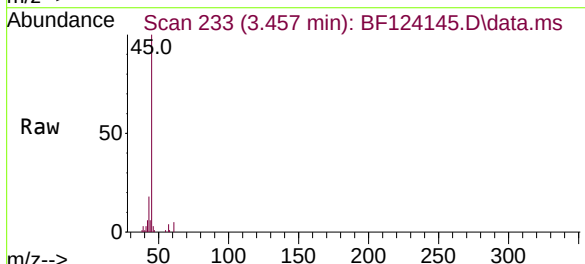
Instrument :
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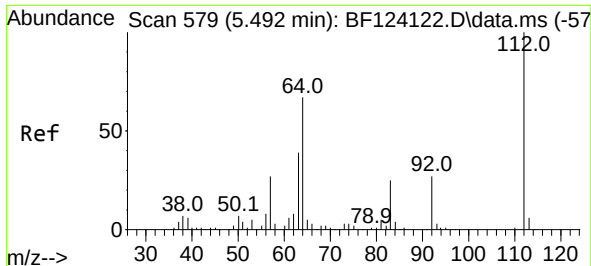
Tgt Ion:152 Resp: 33875
Ion Ratio Lower Upper
152 100
150 153.0 127.0 190.6
115 66.6 54.3 81.5



#4
n-Nitrosodimethylamine
Concen: 4.34 ng
RT: 3.457 min Scan# 233
Delta R.T. 0.106 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

Tgt Ion: 42 Resp: 6506
Ion Ratio Lower Upper
42 100
74 0.0 83.5 125.3#
44 110.6 5.7 8.5#

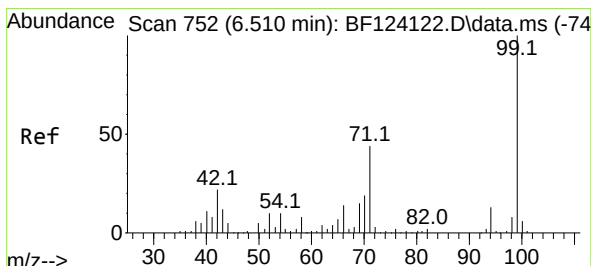
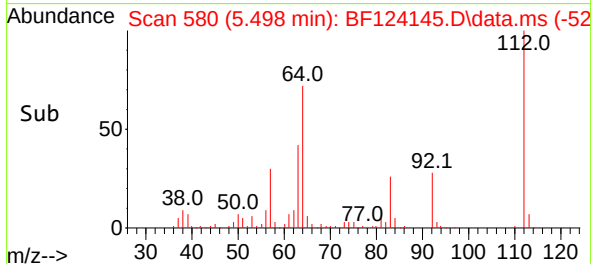
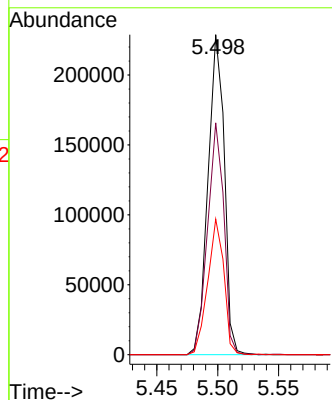
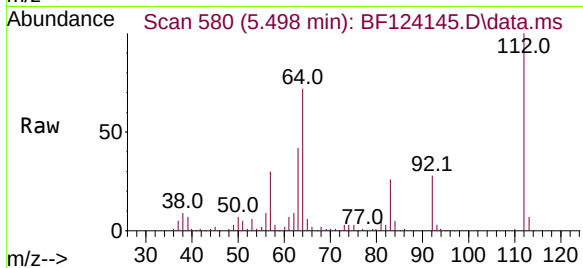




#5
2-Fluorophenol
Concen: 94.42 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

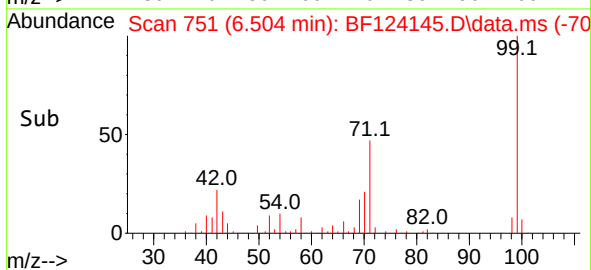
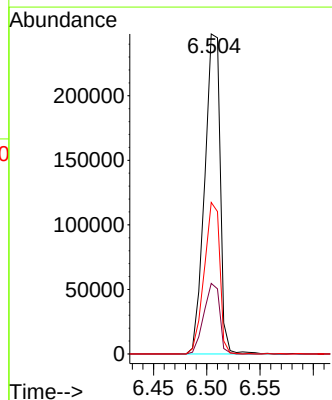
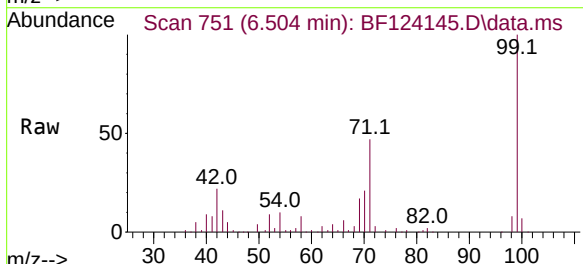
Instrument :
BNA_F
ClientSampleId :
124019

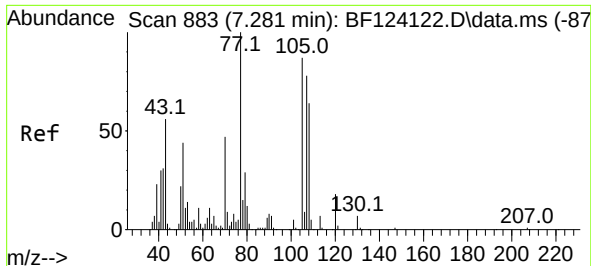
Tgt Ion:112 Resp: 212473
Ion Ratio Lower Upper
112 100
64 72.5 61.4 92.0
63 42.4 33.0 49.4



#7
Phenol-d6
Concen: 83.43 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

Tgt Ion: 99 Resp: 252364
Ion Ratio Lower Upper
99 100
42 22.1 19.8 29.8
71 47.4 31.1 46.7#

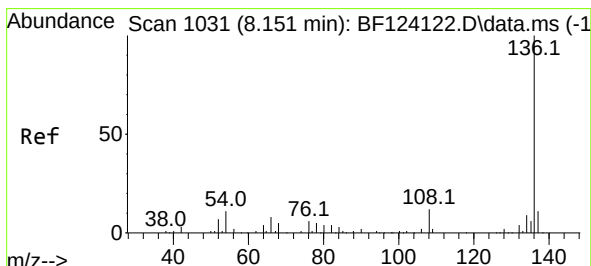
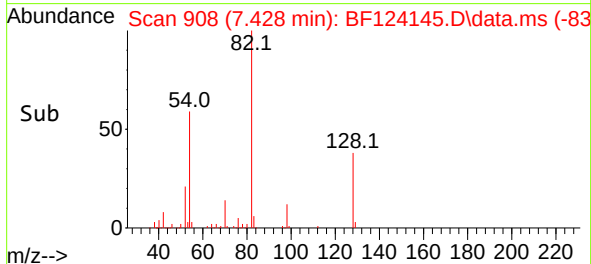
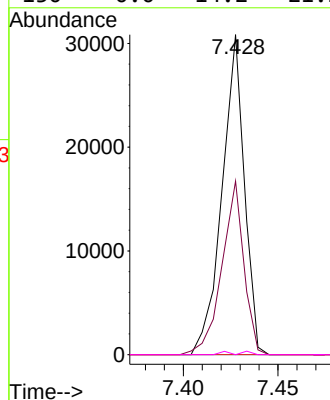
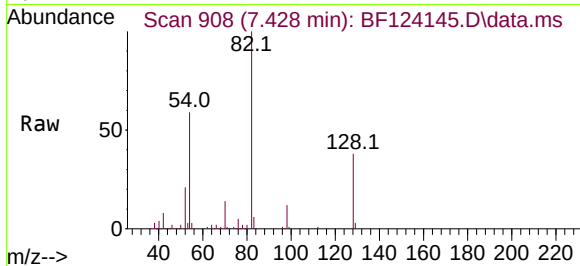




#19
n-Nitroso-di-n-propylamine
Concen: 11.83 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

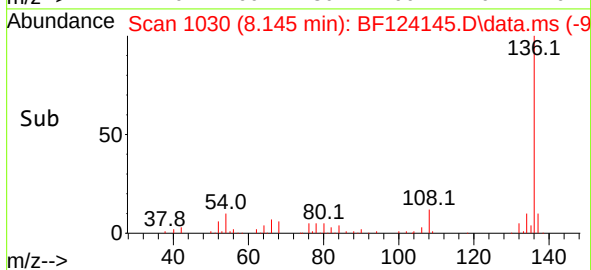
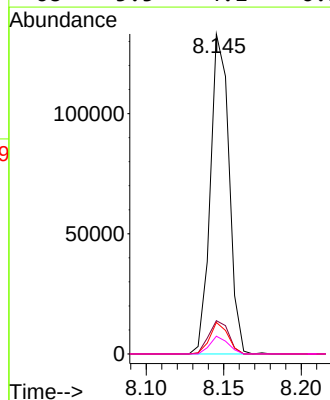
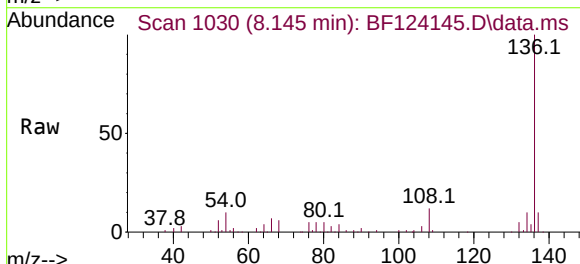
Instrument :
BNA_F
ClientSampleId :
124019

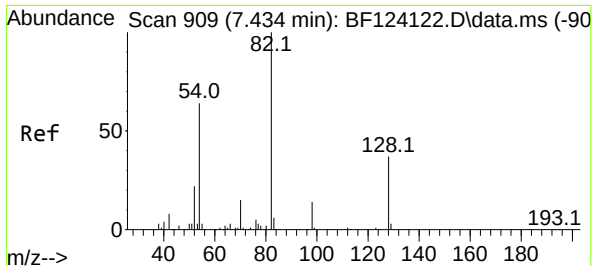
Tgt Ion: 70 Resp: 25262
Ion Ratio Lower Upper
70 100
42 54.2 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

Tgt Ion: 136 Resp: 111533
Ion Ratio Lower Upper
136 100
137 10.4 8.7 13.1
54 9.8 9.8 14.6
68 5.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 65.65 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF124145.D

Acq: 4 Jun 2021 18:06

Instrument :

BNA_F

ClientSampleId :

124019

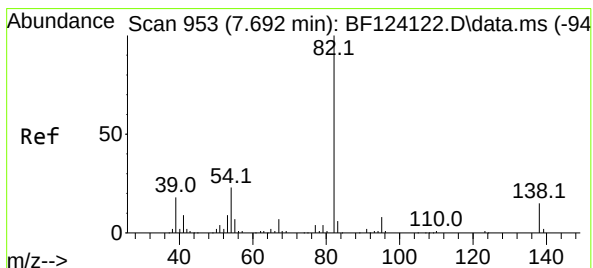
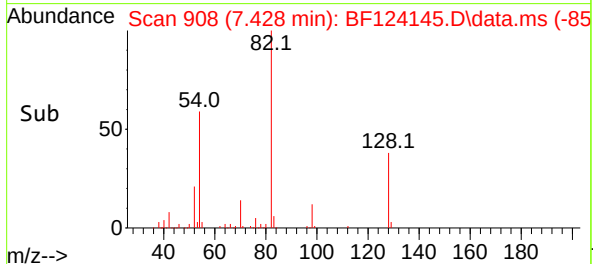
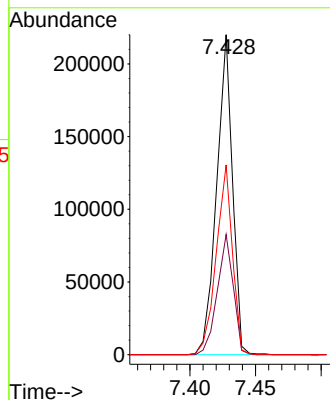
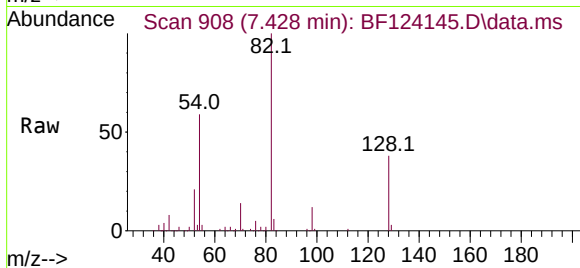
Tgt Ion: 82 Resp: 184608

Ion Ratio Lower Upper

82 100

128 37.5 29.4 44.2

54 59.3 54.1 81.1



#25

Isophorone

Concen: 36.43 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.265 min

Lab File: BF124145.D

Acq: 4 Jun 2021 18:06

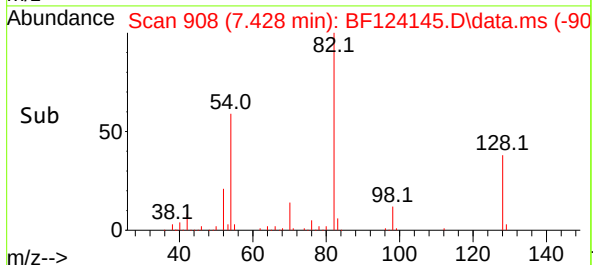
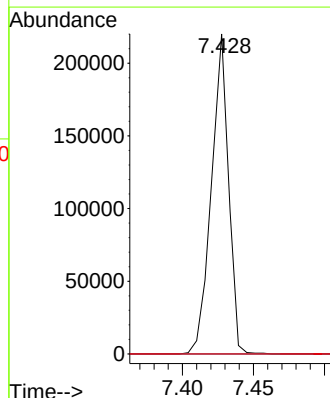
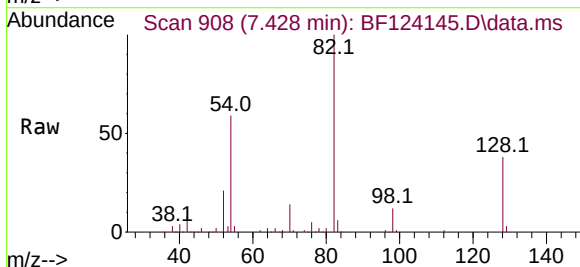
Tgt Ion: 82 Resp: 184604

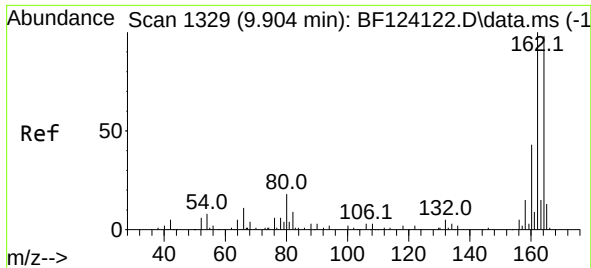
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.8 17.8#

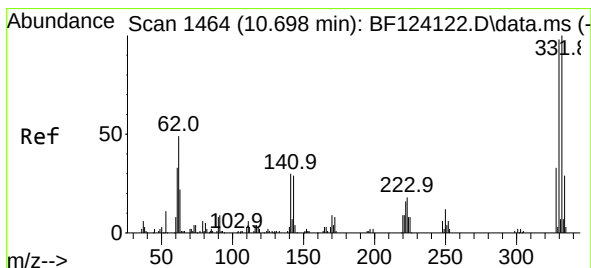
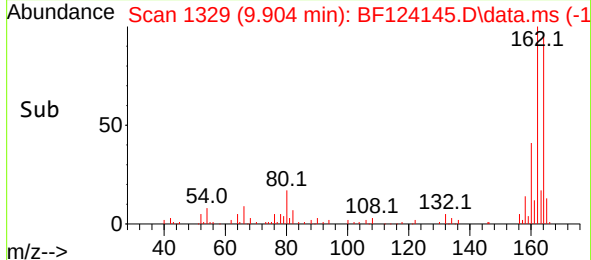
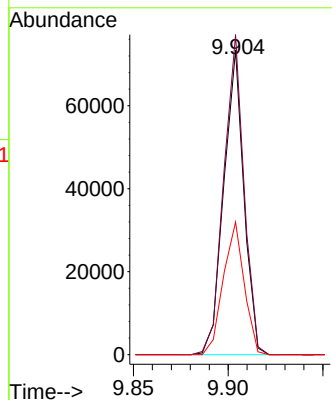
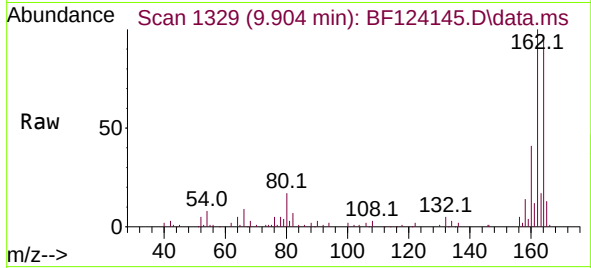




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

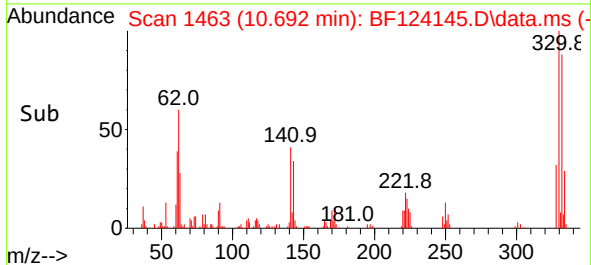
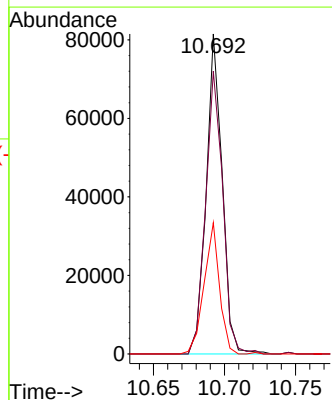
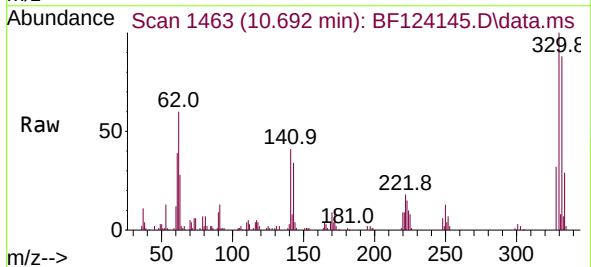
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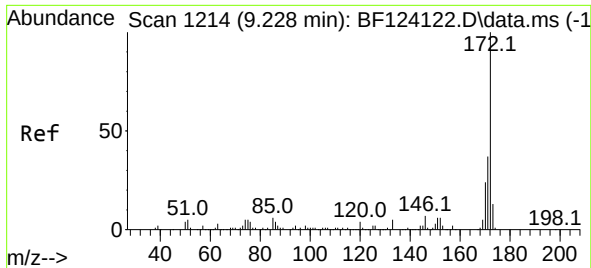
Tgt Ion:164 Resp: 54105
Ion Ratio Lower Upper
164 100
162 105.0 80.7 121.1
160 43.5 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 83.75 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

Tgt Ion:330 Resp: 64195
Ion Ratio Lower Upper
330 100
332 94.3 77.1 115.7
141 39.5 27.9 41.9

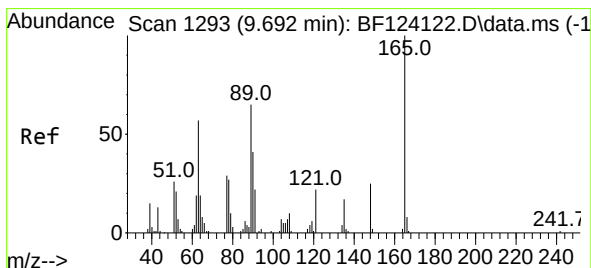
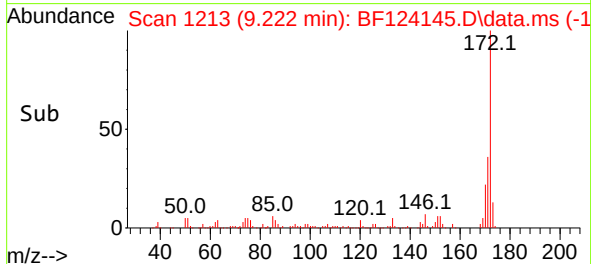
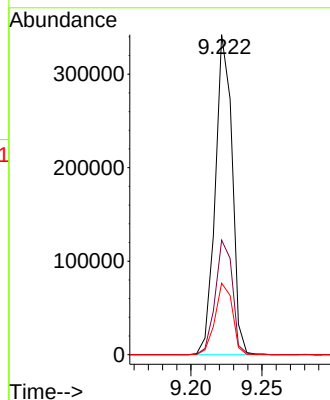
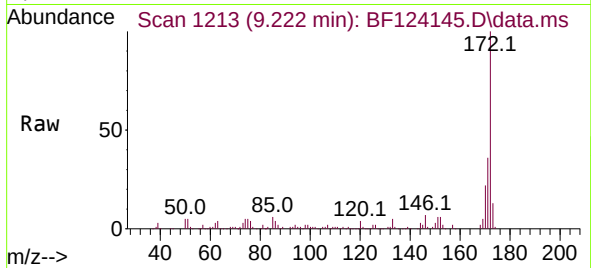




#45
2-Fluorobiphenyl
Concen: 65.44 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

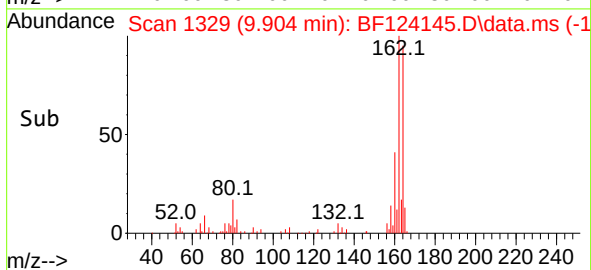
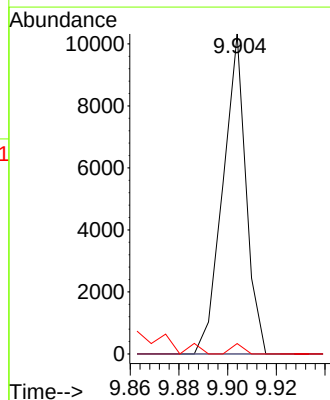
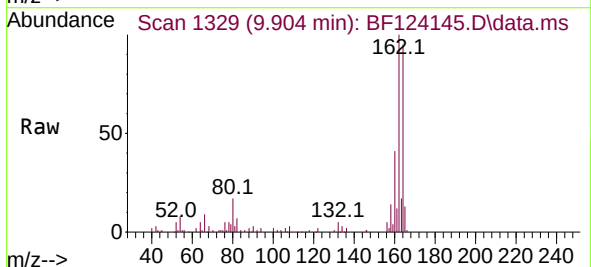
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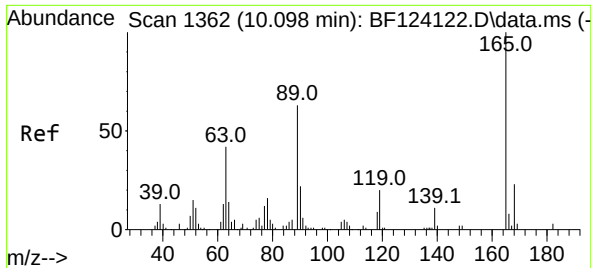
Tgt Ion:172 Resp: 281365
Ion Ratio Lower Upper
172 100
171 35.8 28.1 42.1
170 22.3 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 6.62 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

Tgt Ion:165 Resp: 6796
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 3.3 58.8 88.2#

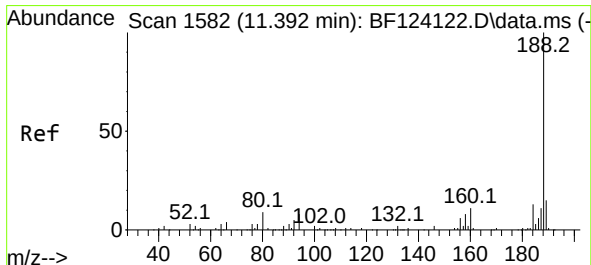
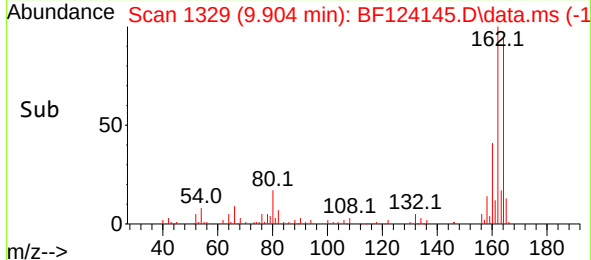
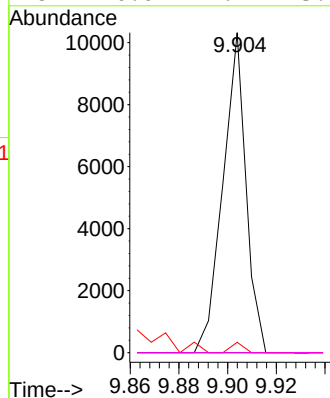
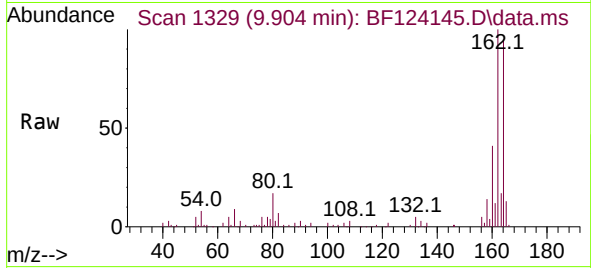




#57
2,4-Dinitrotoluene
Concen: 5.02 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

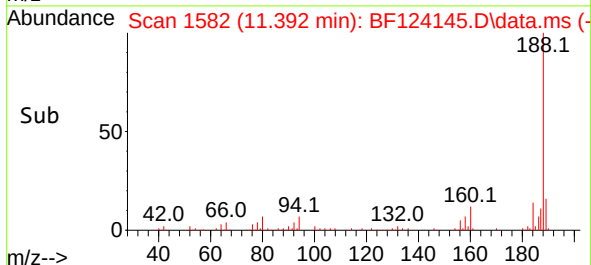
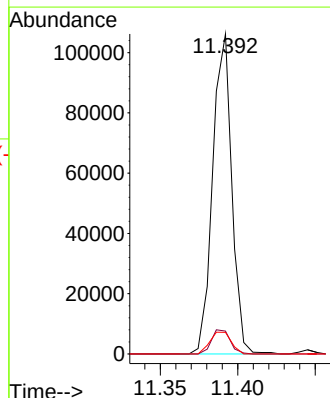
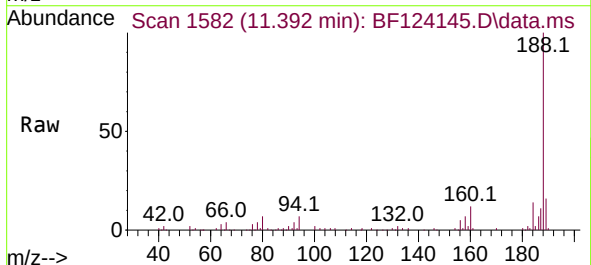
Instrument :
BNA_F
ClientSampled :
124019

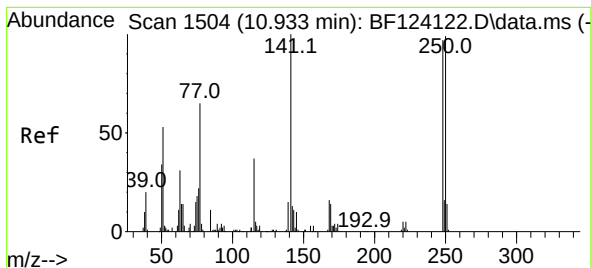
Tgt Ion:165 Resp: 6796
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 3.3 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

Tgt Ion:188 Resp: 91018
Ion Ratio Lower Upper
188 100
94 7.1 6.9 10.3
80 6.8 8.2 12.2#

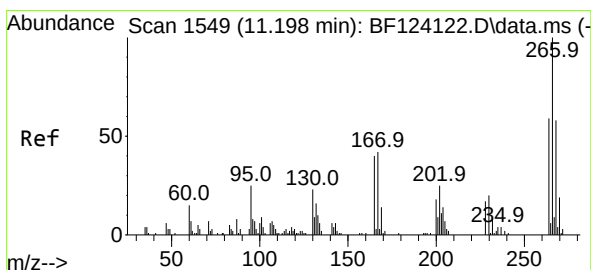
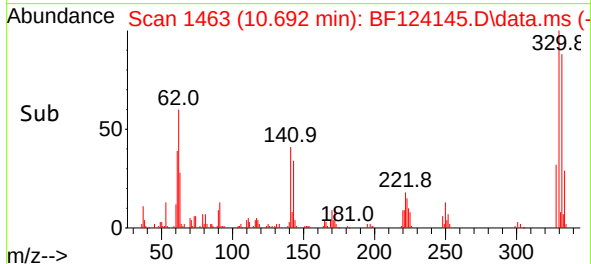
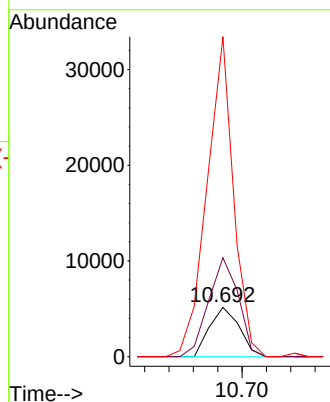
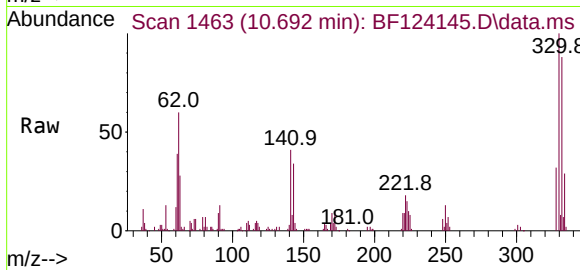




#67
4-Bromophenyl-phenylether
Concen: 3.51 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.241 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

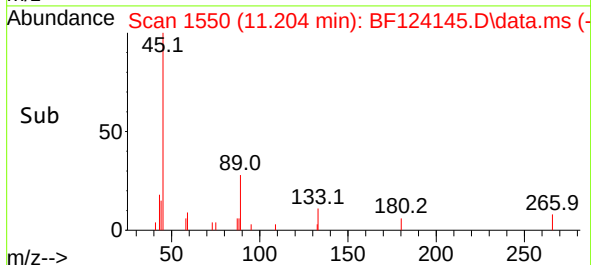
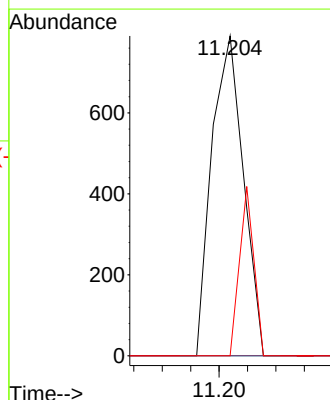
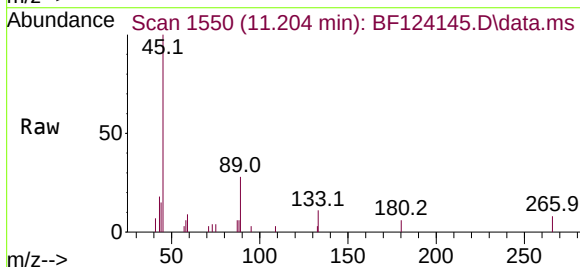
Instrument :
BNA_F
ClientSampleId :
124019

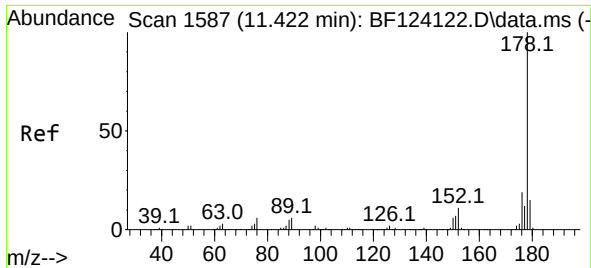
Tgt Ion:248 Resp: 4382
Ion Ratio Lower Upper
248 100
250 200.3 77.4 116.2#
141 648.3 63.7 95.5#



#70
Pentachlorophenol
Concen: 5.43 ng
RT: 11.204 min Scan# 1550
Delta R.T. 0.006 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

Tgt Ion:266 Resp: 609
Ion Ratio Lower Upper
266 100
268 0.0 51.6 77.4#
264 0.0 52.6 78.8#

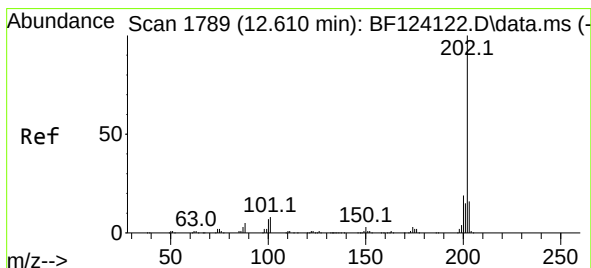
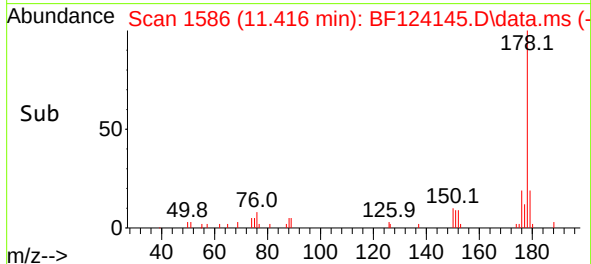
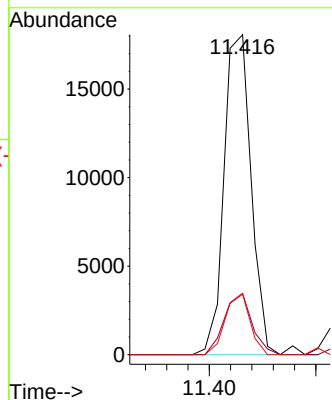
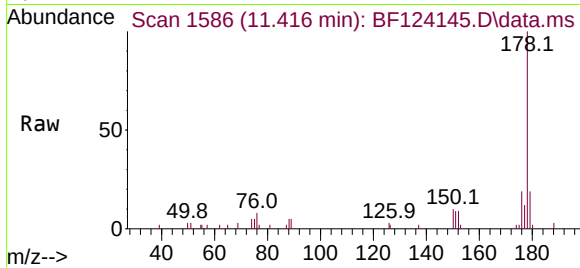




#71
Phenanthrene
Concen: 2.81 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

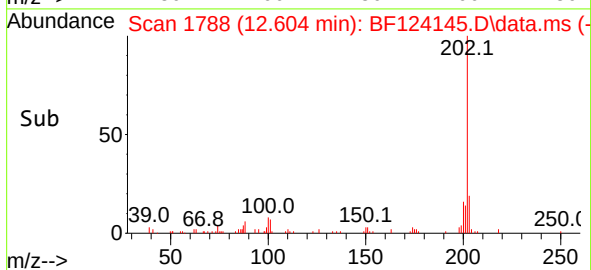
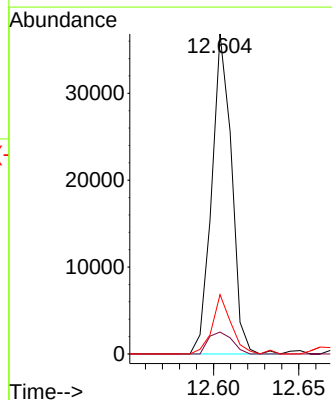
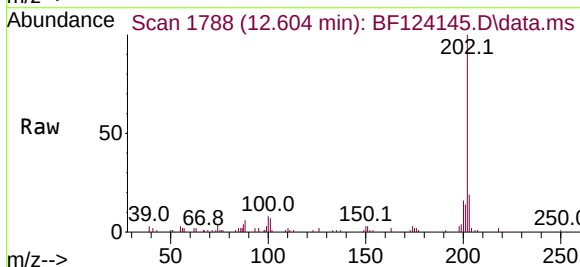
Instrument :
BNA_F
ClientSampleId :
124019

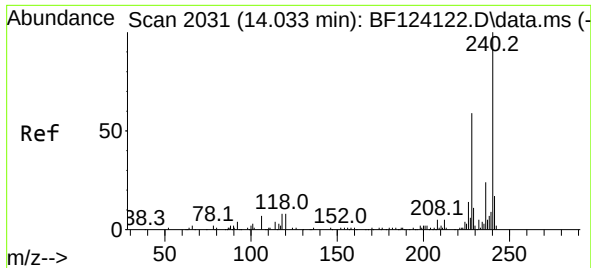
Tgt Ion:178 Resp: 15969
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 18.9 12.5 18.7#



#75
Fluoranthene
Concen: 5.00 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

Tgt Ion:202 Resp: 29828
Ion Ratio Lower Upper
202 100
101 6.8 0.0 30.9
203 18.5 0.0 37.5

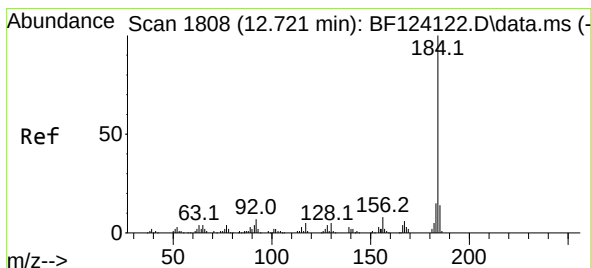
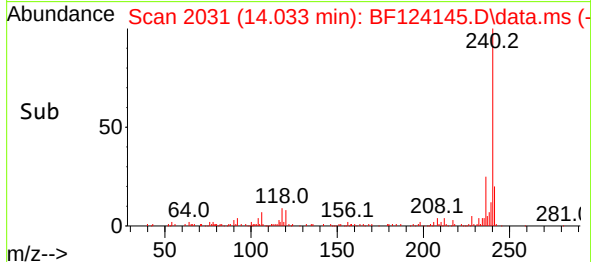
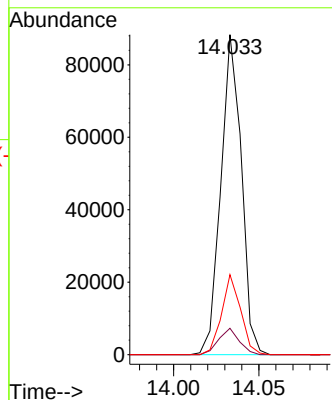
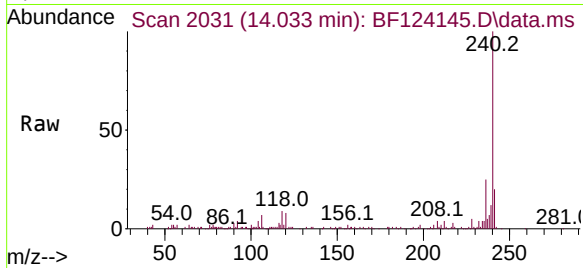




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

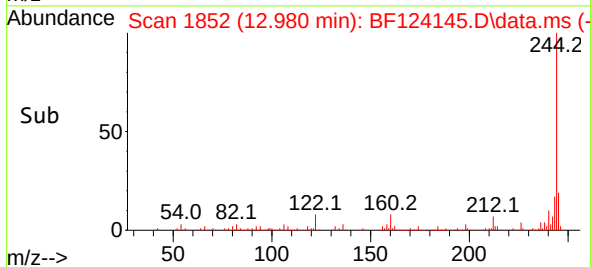
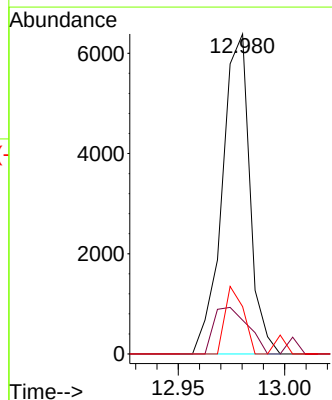
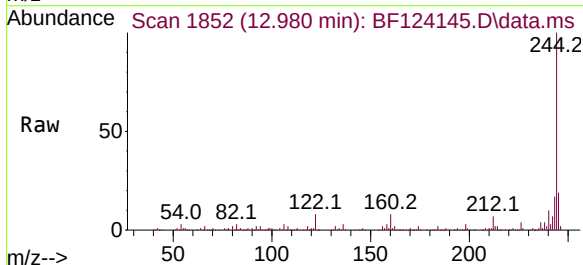
Instrument :
BNA_F
ClientSampleId :
124019

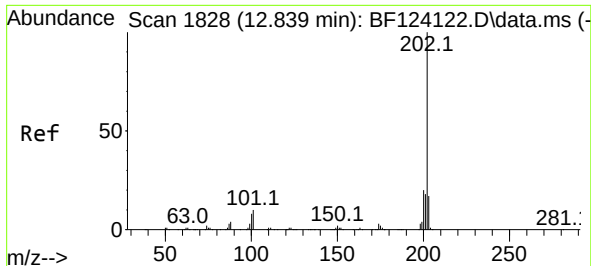
Tgt Ion:240 Resp: 73978
Ion Ratio Lower Upper
240 100
120 8.3 7.2 10.8
236 25.0 19.0 28.4



#77
Benzidine
Concen: 7.12 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.259 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

Tgt Ion:184 Resp: 5771
Ion Ratio Lower Upper
184 100
185 10.6 12.1 18.1#
183 14.8 7.8 11.8#

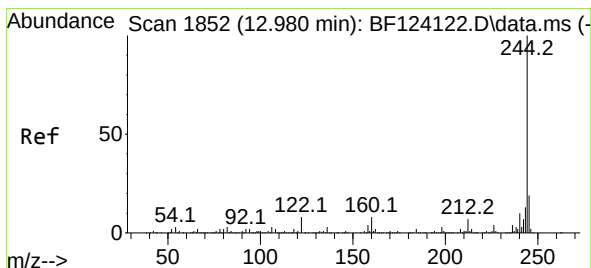
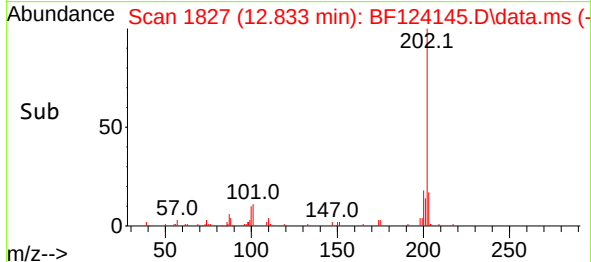
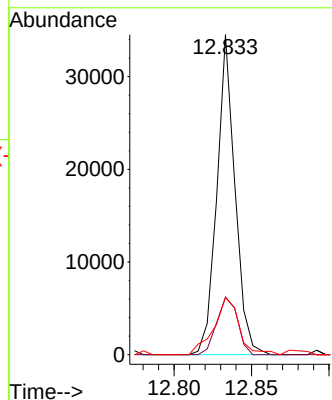
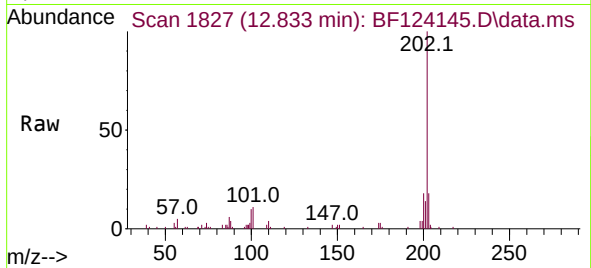




#78
 Pyrene
 Concen: 3.95 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. -0.006 min
 Lab File: BF124145.D
 Acq: 4 Jun 2021 18:06

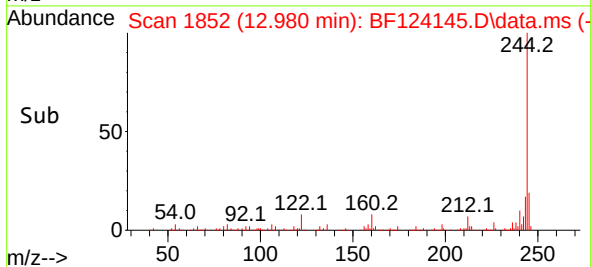
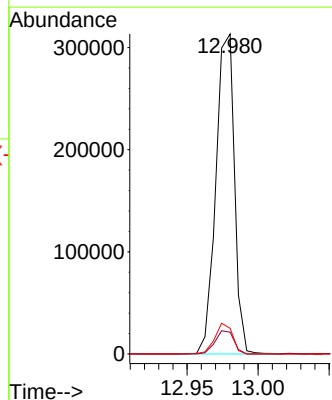
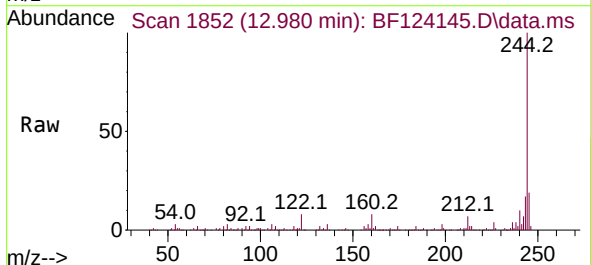
Instrument :
 BNA_F
 ClientSampleId :
 124019

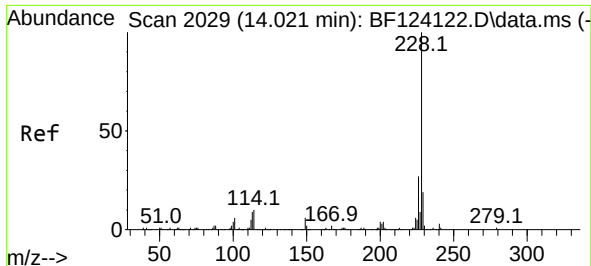
Tgt Ion:202 Resp: 28090
 Ion Ratio Lower Upper
 202 100
 200 18.0 16.1 24.1
 203 17.9 14.8 22.2



#79
 Terphenyl-d14
 Concen: 52.82 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: BF124145.D
 Acq: 4 Jun 2021 18:06

Tgt Ion:244 Resp: 284629
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 8.0 9.7 14.5#

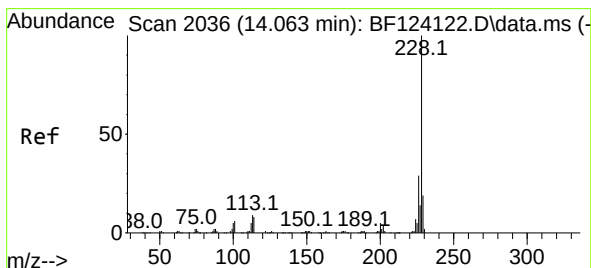
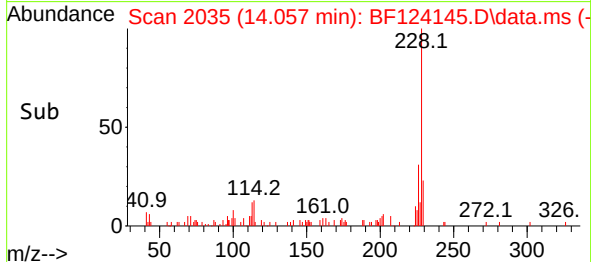
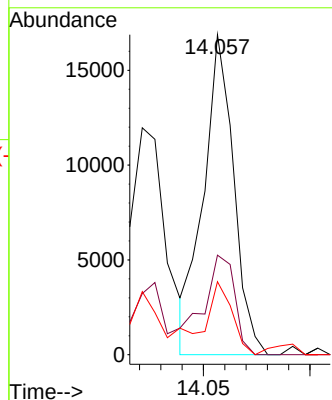
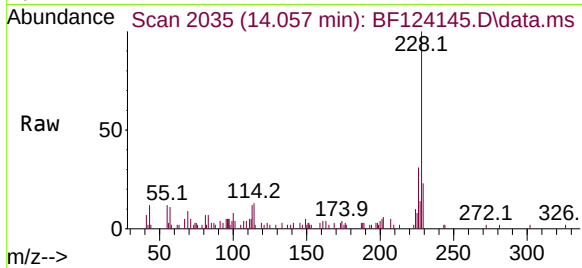




#81
Benzo(a)anthracene
Concen: 3.09 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.035 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

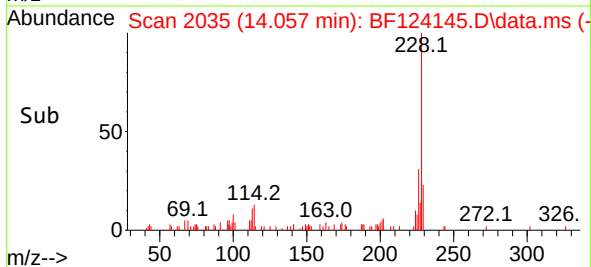
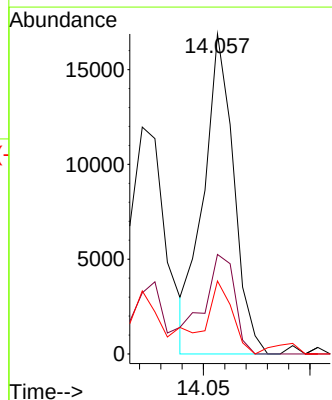
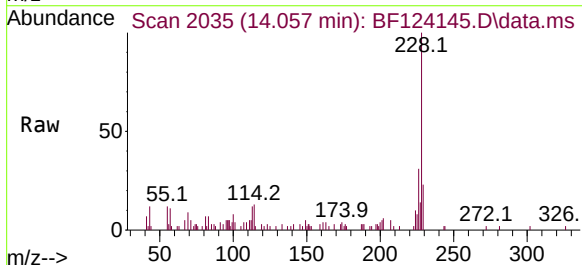
Instrument :
BNA_F
ClientSampleId :
124019

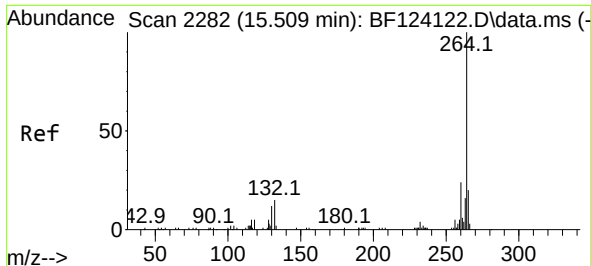
Tgt Ion:228 Resp: 16629
Ion Ratio Lower Upper
228 100
226 31.1 22.4 33.6
229 22.8 16.0 24.0



#83
Chrysene
Concen: 3.20 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

Tgt Ion:228 Resp: 16629
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 22.8 16.2 24.2

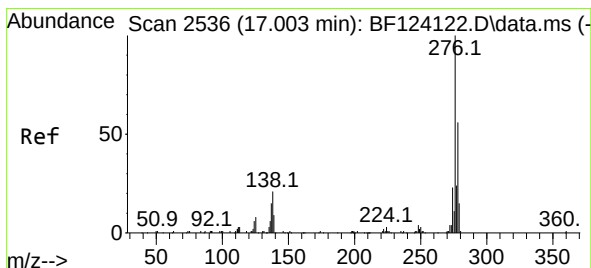
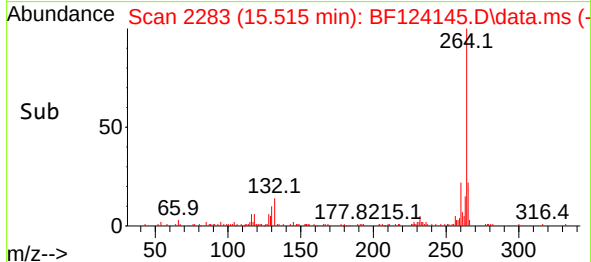
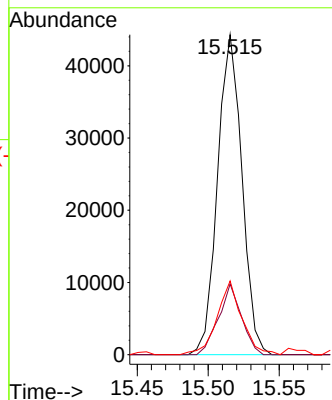
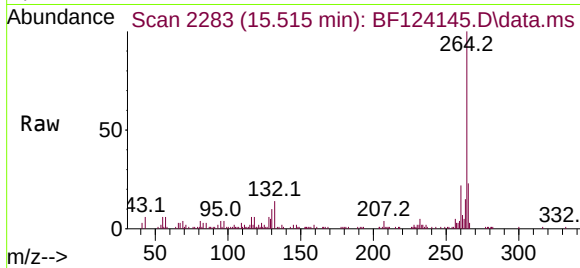




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

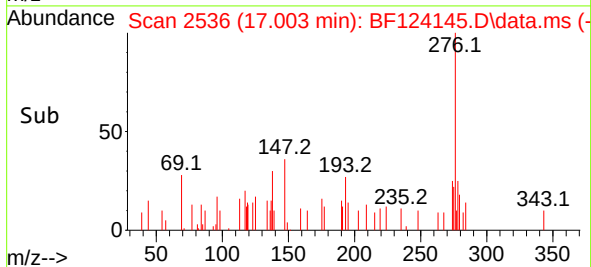
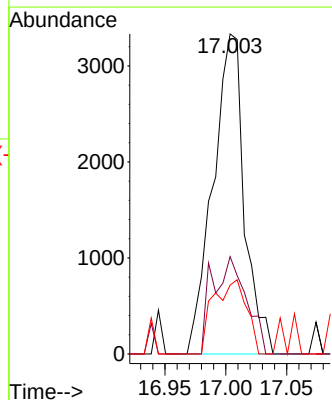
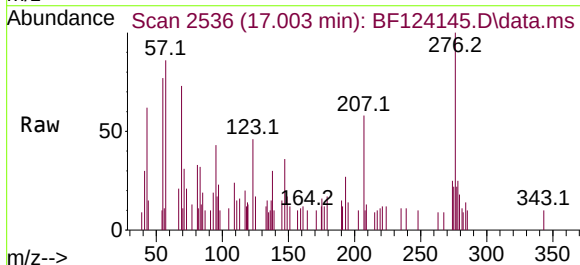
Instrument :
BNA_F
ClientSampleId :
124019

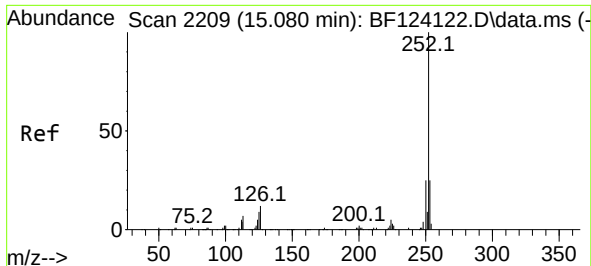
Tgt Ion:264 Resp: 52768
Ion Ratio Lower Upper
264 100
260 22.1 18.7 28.1
265 23.0 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.58 ng
RT: 17.003 min Scan# 2536
Delta R.T. 0.000 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

Tgt Ion:276 Resp: 6005
Ion Ratio Lower Upper
276 100
138 32.8 16.2 24.2#
277 24.3 20.1 30.1

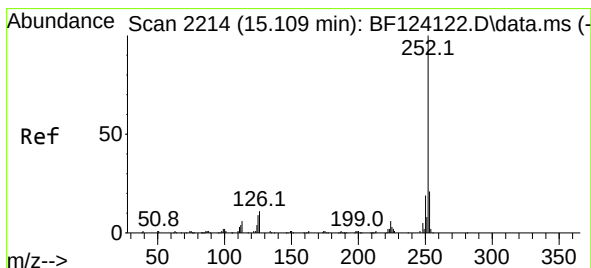
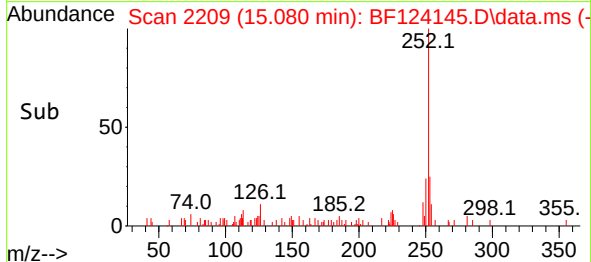
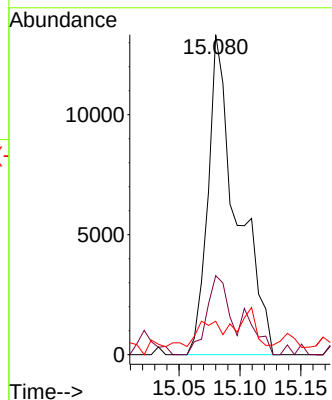
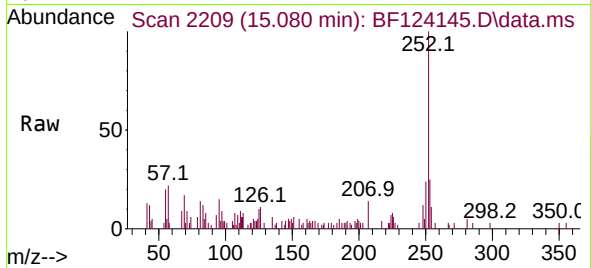




#88
Benzo(b)fluoranthene
Concen: 5.36 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.000 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

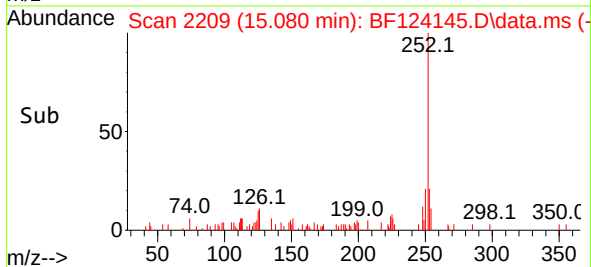
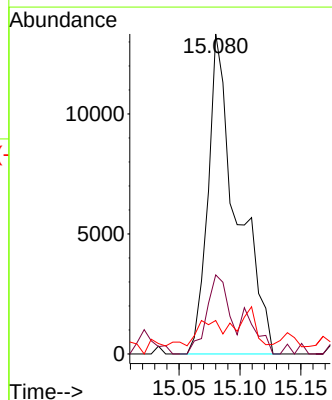
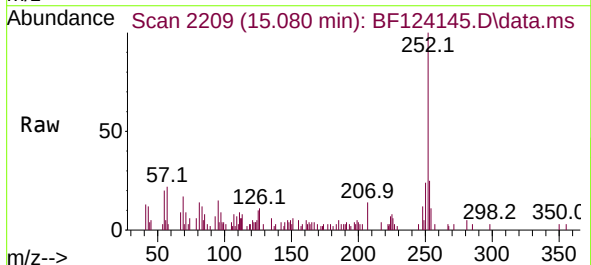
Instrument :
BNA_F
ClientSampleId :
124019

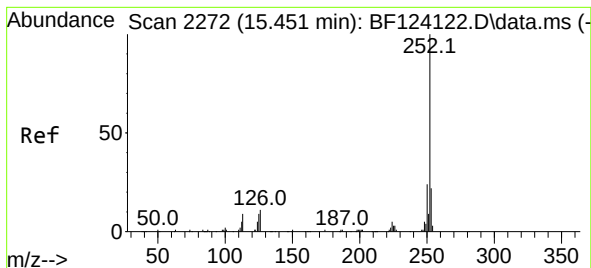
Tgt Ion:252 Resp: 21979
Ion Ratio Lower Upper
252 100
253 24.7 18.1 27.1
125 10.5 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 5.66 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.029 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

Tgt Ion:252 Resp: 21979
Ion Ratio Lower Upper
252 100
253 24.7 17.9 26.9
125 10.5 7.0 10.6

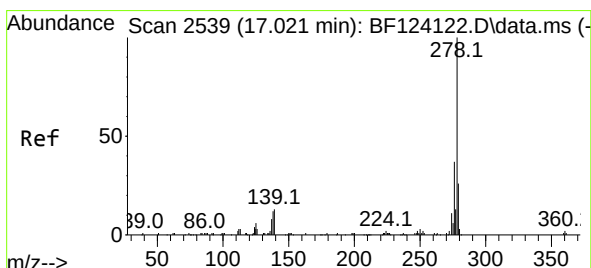
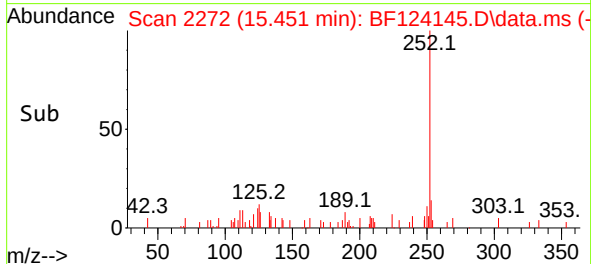
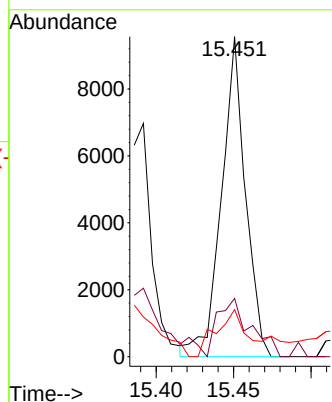
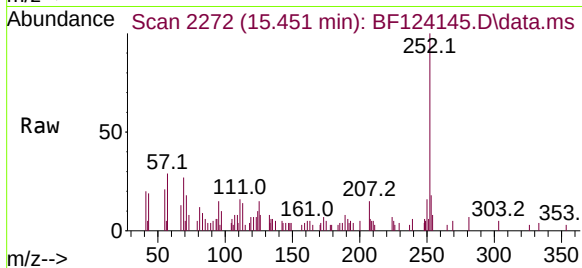




#90
Benzo(a)pyrene
Concen: 2.89 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

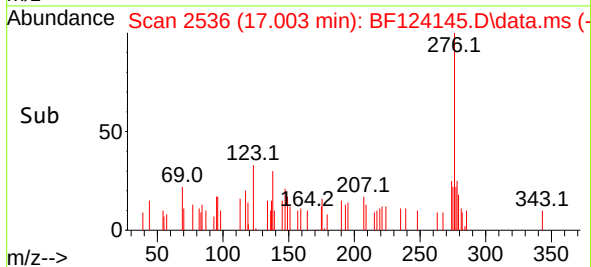
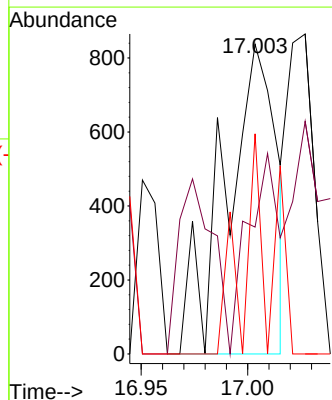
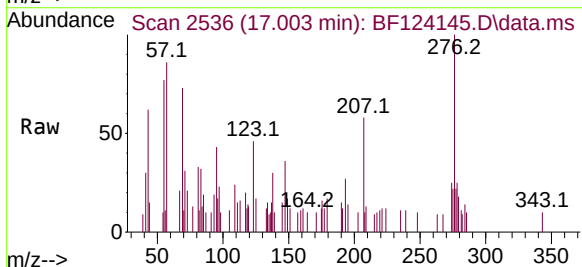
Instrument :
BNA_F
ClientSampleId :
124019

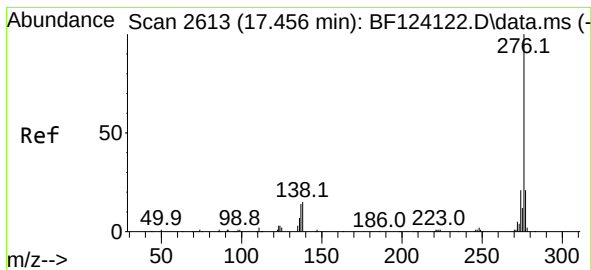
Tgt Ion:252 Resp: 10279
Ion Ratio Lower Upper
252 100
253 18.2 18.4 27.6#
125 14.7 8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 4.52 ng
RT: 17.003 min Scan# 2536
Delta R.T. -0.018 min
Lab File: BF124145.D
Acq: 4 Jun 2021 18:06

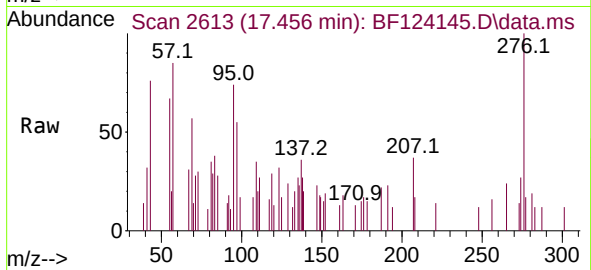
Tgt Ion:278 Resp: 1402
Ion Ratio Lower Upper
278 100
139 41.0 10.2 15.2#
279 71.1 19.4 29.0#





#92
 Benzo(g,h,i)perylene
 Concen: 5.10 ng
 RT: 17.456 min Scan# 2613
 Delta R.T. 0.000 min
 Lab File: BF124145.D
 Acq: 4 Jun 2021 18:06

Instrument :
 BNA_F
 ClientSampleId :
 124019



Tgt Ion:276 Resp: 5177
 Ion Ratio Lower Upper
 276 100
 277 16.8 18.2 27.2#
 138 47.3 13.8 20.6#

