

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
 Data File : BF124243.D
 Acq On : 10 Jun 2021 20:55
 Operator : JU/CG
 Sample : M2644-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 329

Quant Time: Jun 11 01:26:07 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

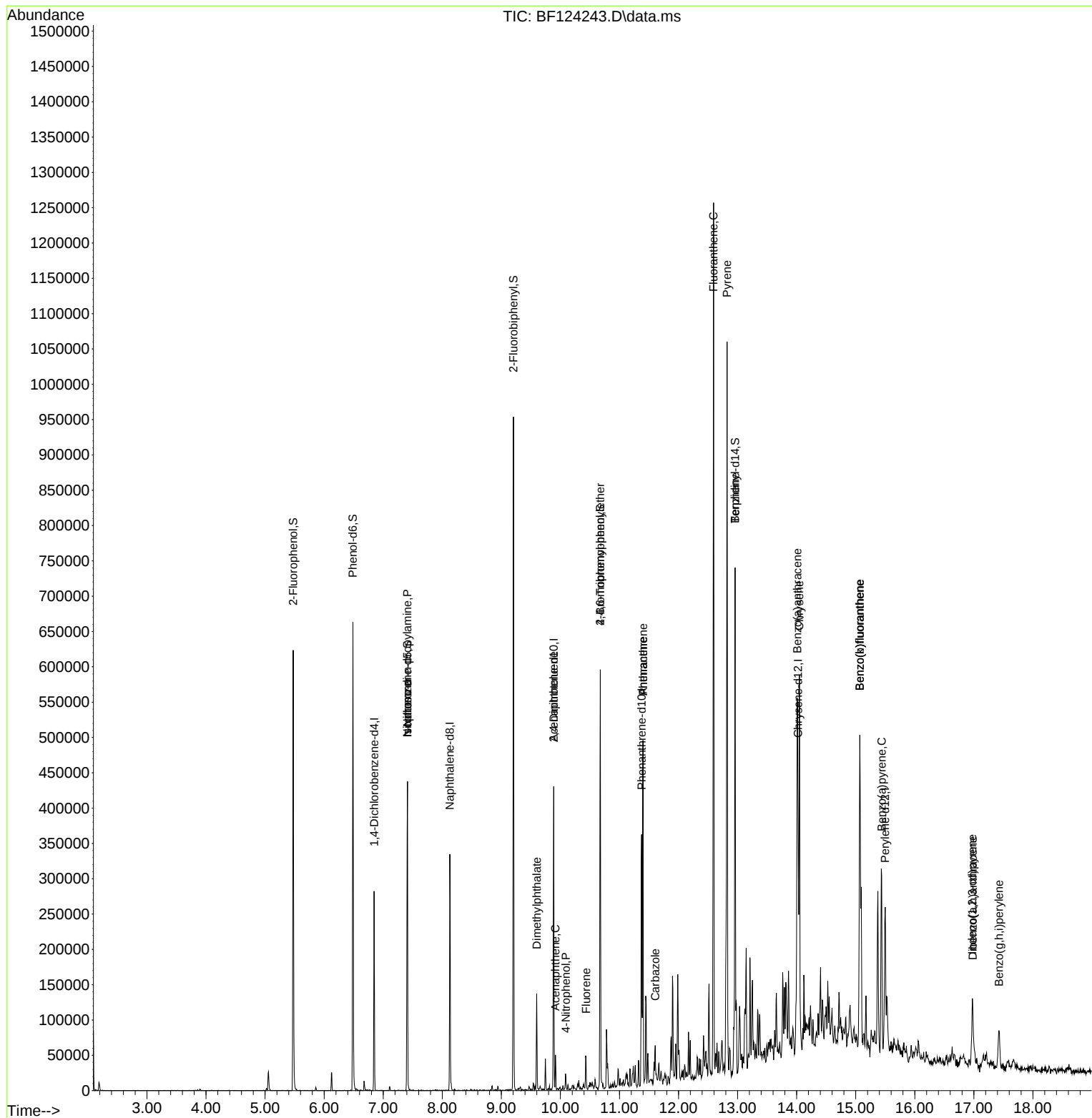
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	31739	20.00	ng	0.00
21) Naphthalene-d8	8.128	136	126146	20.00	ng	0.00
39) Acenaphthene-d10	9.886	164	72426	20.00	ng	0.00
64) Phenanthrene-d10	11.375	188	119827	20.00	ng	# 0.00
76) Chrysene-d12	14.022	240	82405	20.00	ng	0.00
86) Perylene-d12	15.498	264	83881	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	126630	60.06	ng	0.00
7) Phenol-d6	6.487	99	163437	57.67	ng	-0.01
23) Nitrobenzene-d5	7.410	82	121679	38.26	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	57297	55.84	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	230560	40.06	ng	0.00
79) Terphenyl-d14	12.957	244	187637	31.26	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.410	70	19053	9.52	ng	# 62
25) Isophorone	7.410	82	121700	21.23	ng	# 69
50) Dimethylphthalate	9.598	163	41197	6.88	ng	98
52) Acenaphthene	9.916	154	9590	2.03	ng	90
56) 4-Nitrophenol	10.092	139	2813	3.06	ng	# 1
57) 2,4-Dinitrotoluene	9.886	165	9618	5.31	ng	# 17
58) Fluorene	10.434	166	12458	2.19	ng	# 89
67) 4-Bromophenyl-phenylether	10.675	248	3920	2.38	ng	# 1
71) Phenanthrene	11.398	178	157432	21.03	ng	97
72) Anthracene	11.398	178	157432	20.88	ng	98
73) Carbazole	11.604	167	13612	2.07	ng	# 84
75) Fluoranthene	12.592	202	440864	56.11	ng	97
77) Benzidine	12.957	184	4101	6.02	ng	# 83
78) Pyrene	12.822	202	390484	49.35	ng	98
81) Benzo(a)anthracene	14.010	228	159672	26.60	ng	97
83) Chrysene	14.045	228	199829	34.50	ng	98
87) Indeno(1,2,3-cd)pyrene	16.974	276	51069	10.99	ng	99
88) Benzo(b)fluoranthene	15.069	252	295574	45.36	ng	# 97
89) Benzo(k)fluoranthene	15.069	252	295574	47.92	ng	98
90) Benzo(a)pyrene	15.439	252	116559	20.59	ng	96
91) Dibenzo(a,h)anthracene	16.980	278	14703	6.43	ng	# 67
92) Benzo(g,h,i)perylene	17.427	276	40815	10.20	ng	# 88

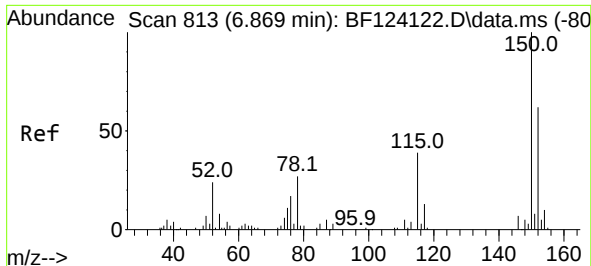
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124243.D
Acq On : 10 Jun 2021 20:55
Operator : JU/CG
Sample : M2644-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
329

Quant Time: Jun 11 01:26:07 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

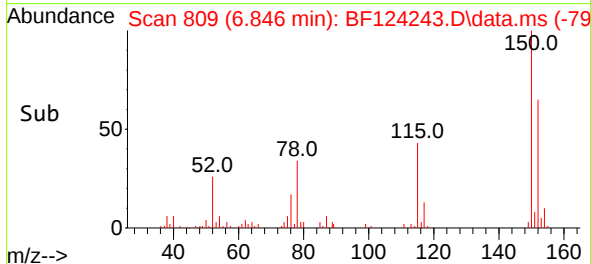
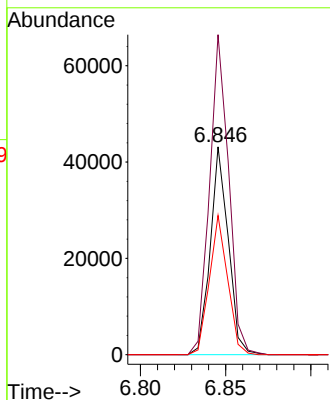
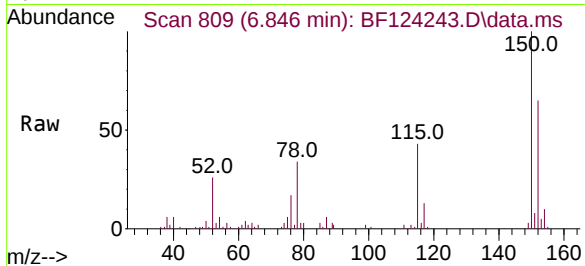




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.846 min Scan# 809
Delta R.T. -0.005 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

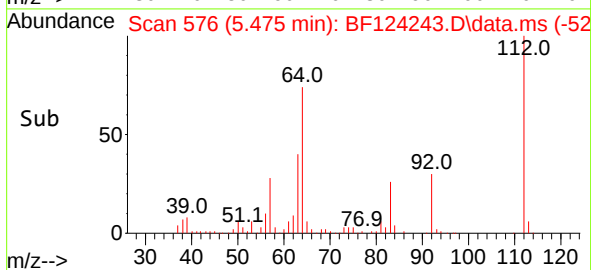
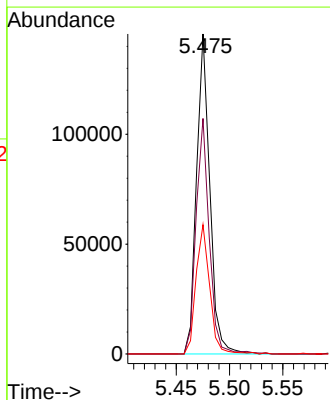
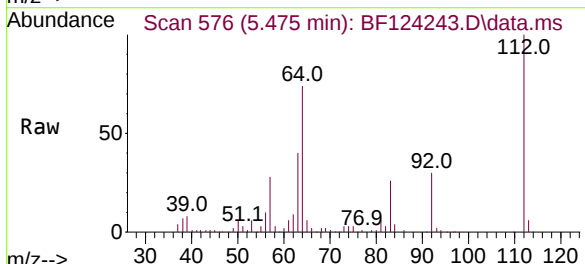
Instrument :
BNA_F
ClientSampleId :
329

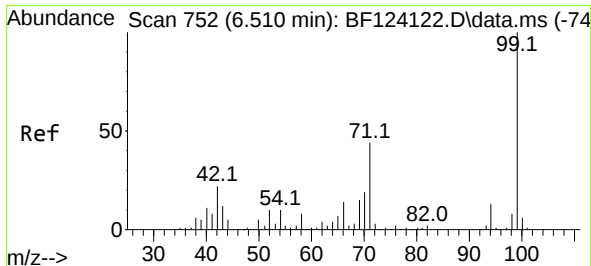
Tgt Ion:152 Resp: 31739
Ion Ratio Lower Upper
152 100
150 153.9 127.0 190.6
115 67.0 54.3 81.5



#5
2-Fluorophenol
Concen: 60.06 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Tgt Ion:112 Resp: 126630
Ion Ratio Lower Upper
112 100
64 73.6 61.4 92.0
63 40.4 33.0 49.4

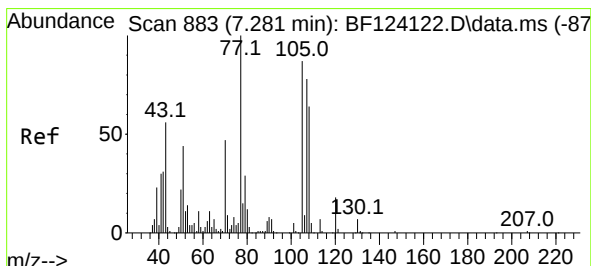
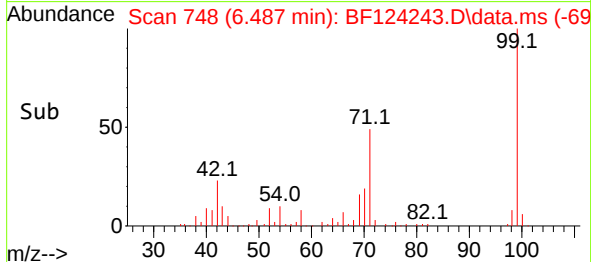
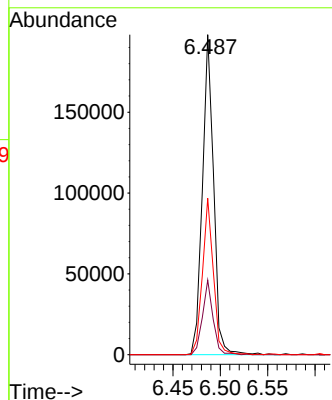
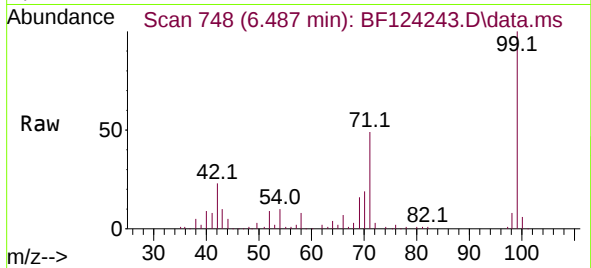




#7
Phenol-d6
Concen: 57.67 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.011 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

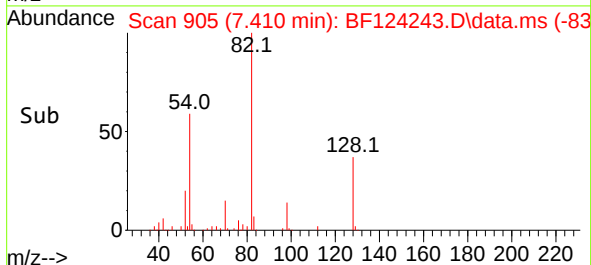
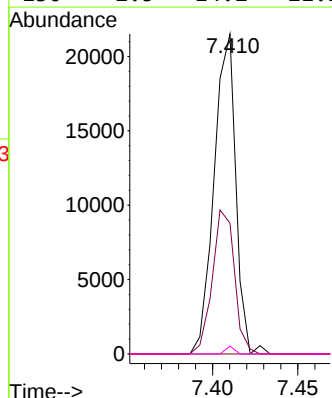
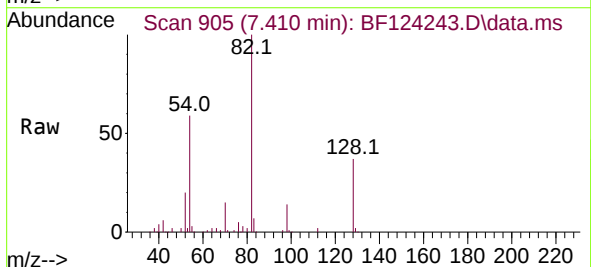
Instrument :
BNA_F
ClientSampleId :
329

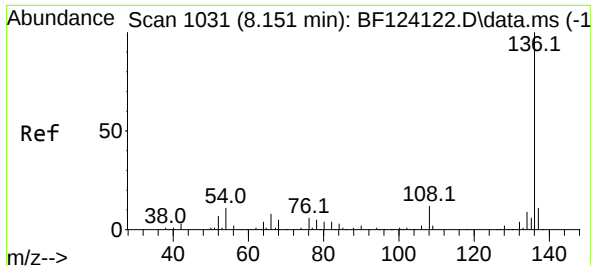
Tgt Ion: 99 Resp: 163437
Ion Ratio Lower Upper
99 100
42 23.3 19.8 29.8
71 48.9 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 9.52 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

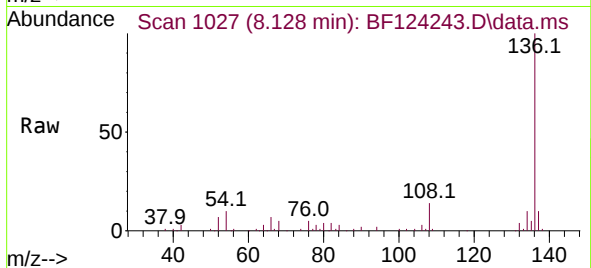
Tgt Ion: 70 Resp: 19053
Ion Ratio Lower Upper
70 100
42 40.9 60.1 90.1#
101 0.0 7.4 11.2#
130 2.5 14.2 21.2#



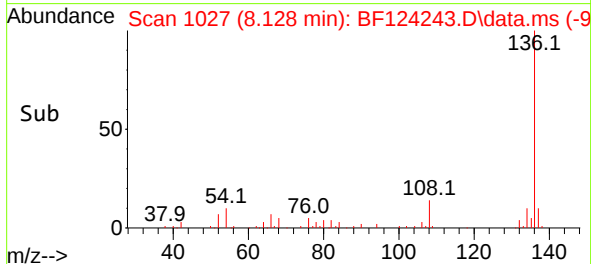
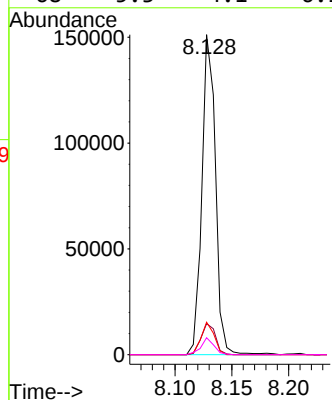


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Instrument :
BNA_F
ClientSampled :
329

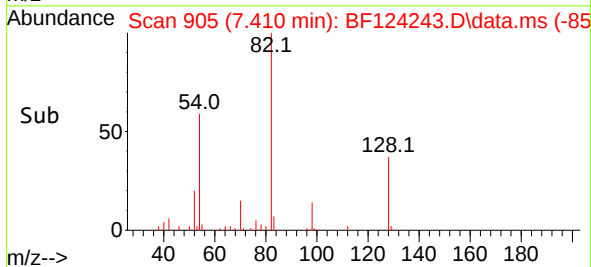
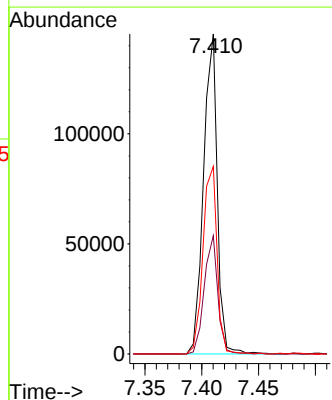
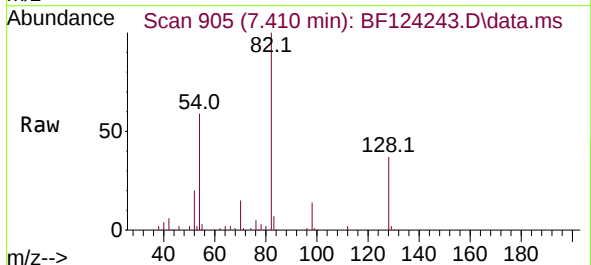


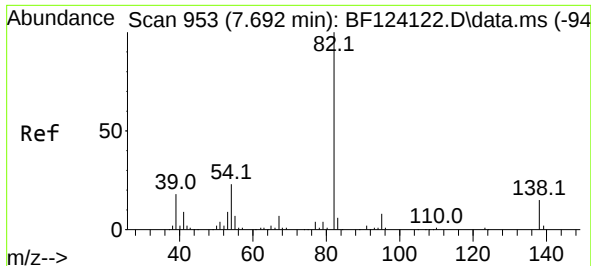
Tgt Ion:	136	Resp:	126146
Ion Ratio	Lower	Upper	
136	100		
137	9.7	8.7	13.1
54	10.2	9.8	14.6
68	5.3	4.1	6.1



#23
Nitrobenzene-d5
Concen: 38.26 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Tgt Ion:	82	Resp:	121679
Ion Ratio	Lower	Upper	
82	100		
128	37.0	29.4	44.2
54	58.6	54.1	81.1

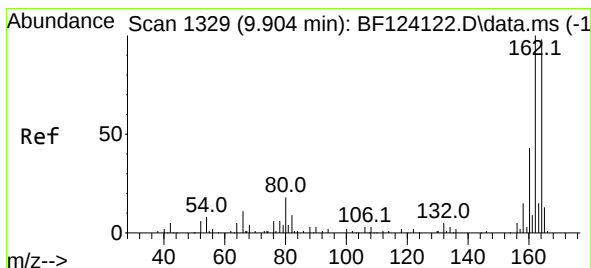
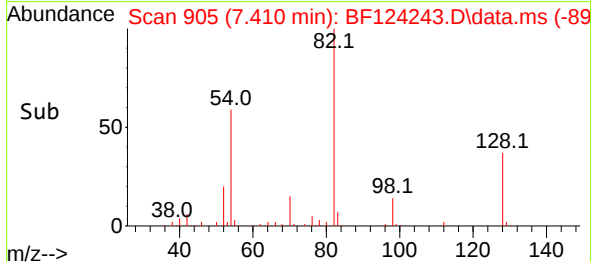
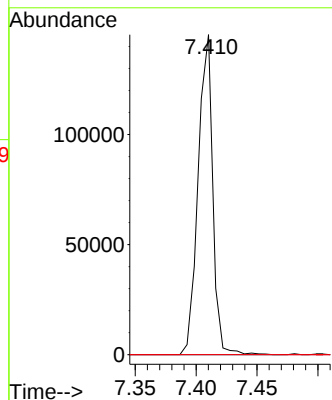
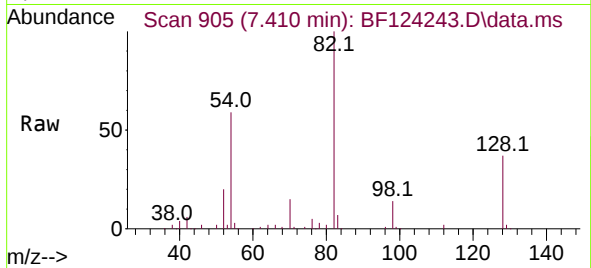




#25
Isophorone
Concen: 21.23 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.264 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

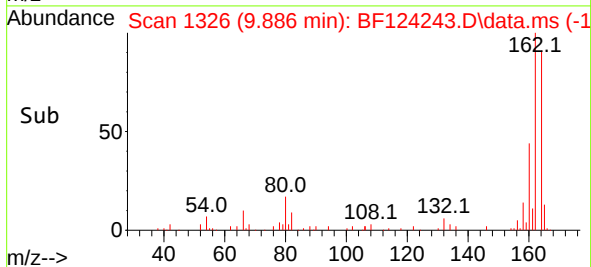
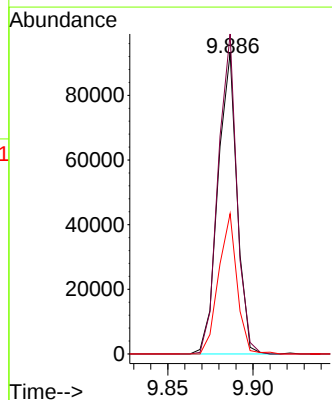
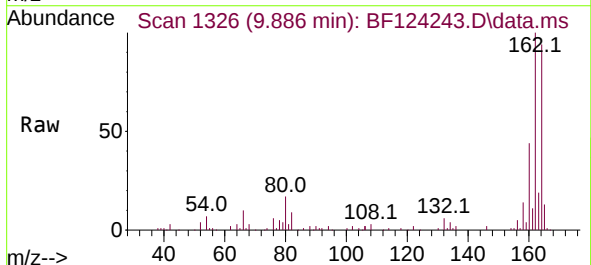
Instrument :
BNA_F
ClientSampleId :
329

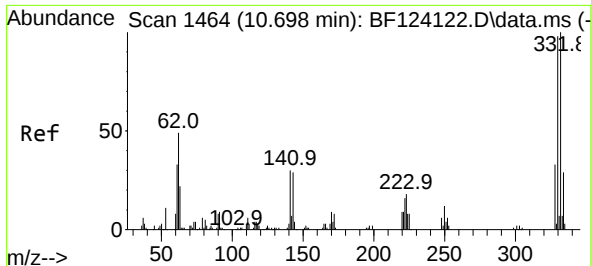
Tgt Ion: 82 Resp: 121700
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Tgt Ion: 164 Resp: 72426
Ion Ratio Lower Upper
164 100
162 106.3 80.7 121.1
160 46.6 37.3 55.9

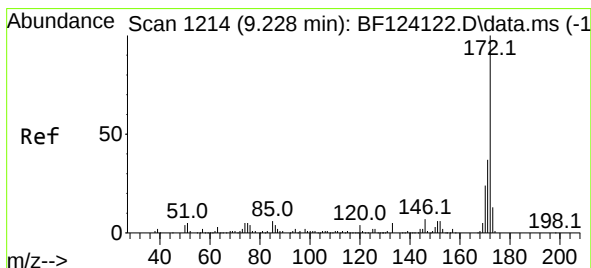
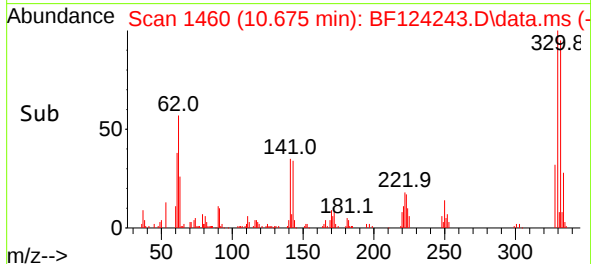
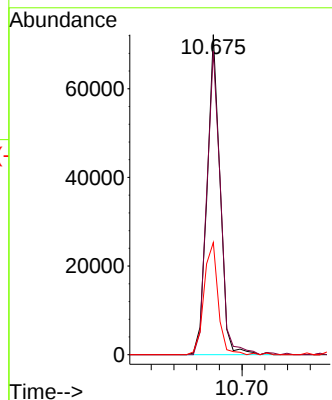
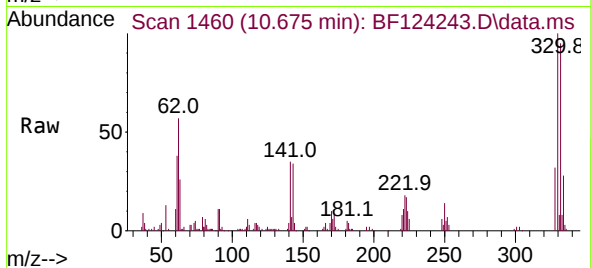




#42
2,4,6-Tribromophenol
Concen: 55.84 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

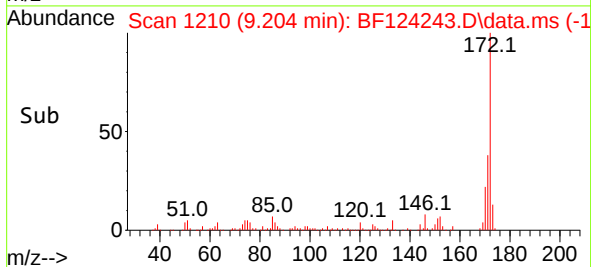
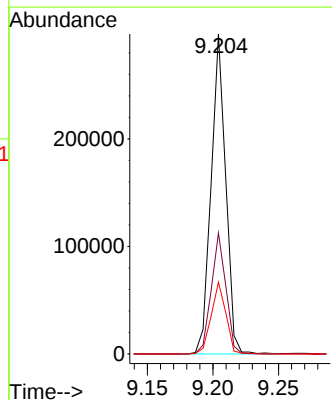
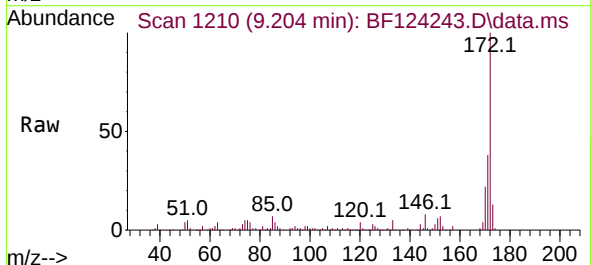
Instrument :
BNA_F
ClientSampleId :
329

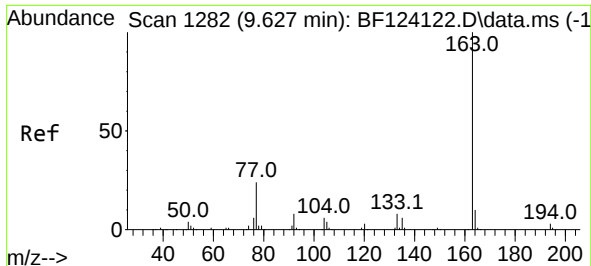
Tgt Ion: 330 Resp: 57297
Ion Ratio Lower Upper
330 100
332 99.7 77.1 115.7
141 38.0 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 40.06 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Tgt Ion: 172 Resp: 230560
Ion Ratio Lower Upper
172 100
171 37.8 28.1 42.1
170 22.5 19.2 28.8

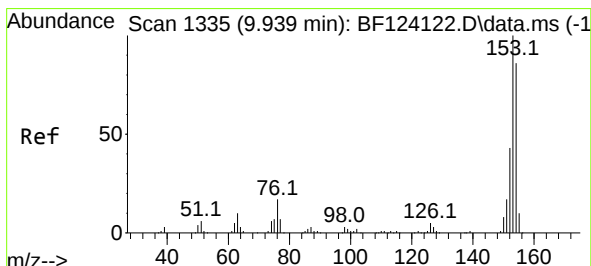
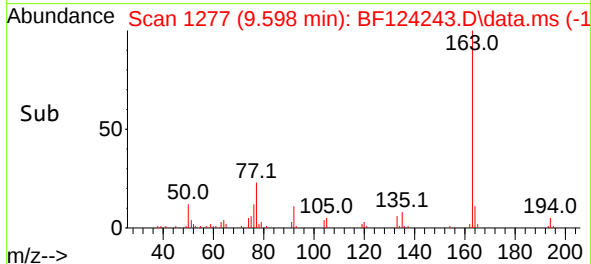
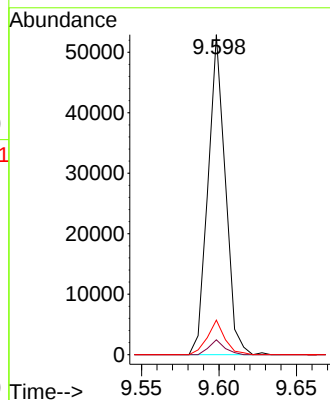
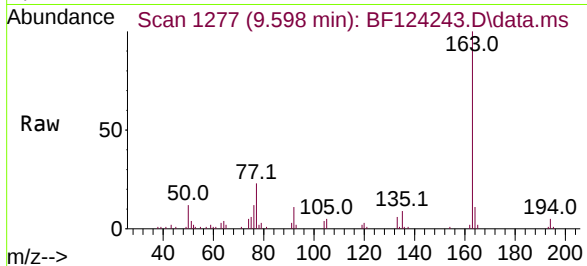




#50
Dimethylphthalate
Concen: 6.88 ng
RT: 9.598 min Scan# 1277
Delta R.T. -0.017 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

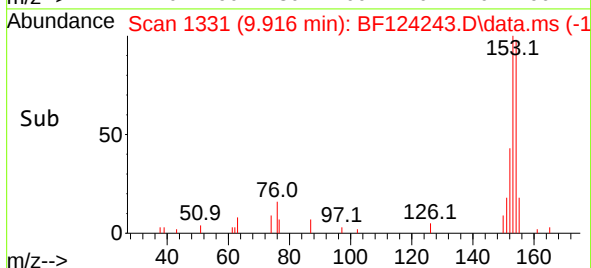
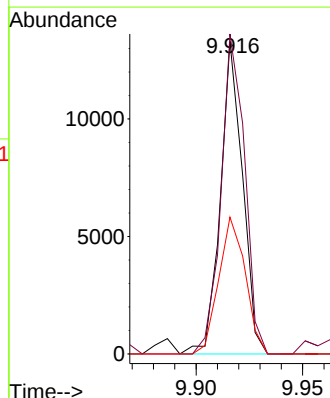
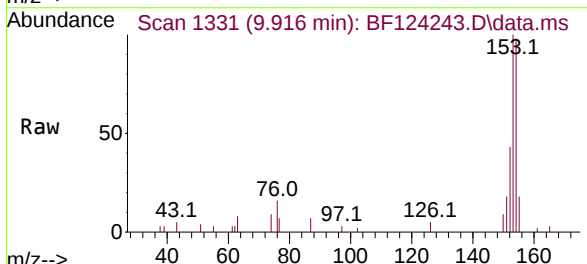
Instrument :
BNA_F
ClientSampled :
329

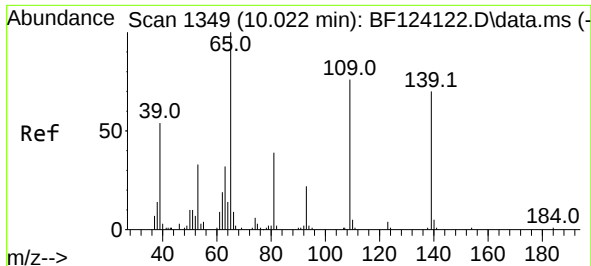
Tgt Ion:163 Resp: 41197
Ion Ratio Lower Upper
163 100
194 4.7 3.1 4.7
164 10.8 8.2 12.2



#52
Acenaphthene
Concen: 2.03 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.011 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Tgt Ion:154 Resp: 9590
Ion Ratio Lower Upper
154 100
153 102.3 88.1 132.1
152 43.7 43.4 65.0

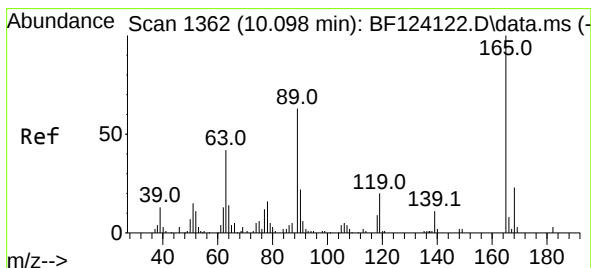
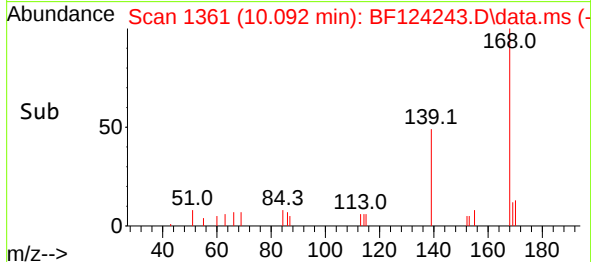
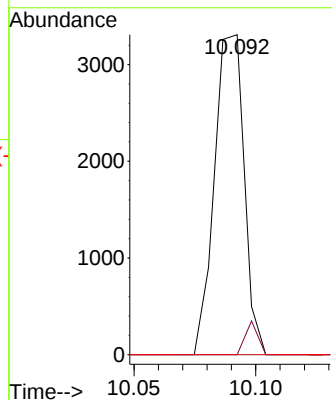
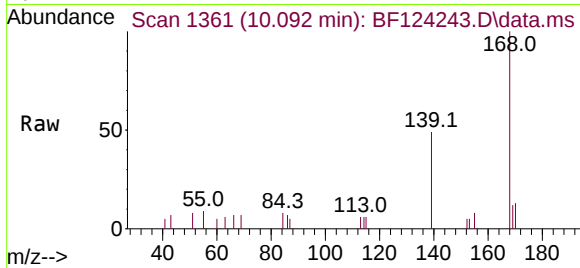




#56
4-Nitrophenol
Concen: 3.06 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.071 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

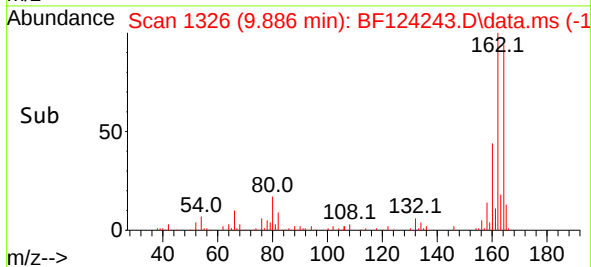
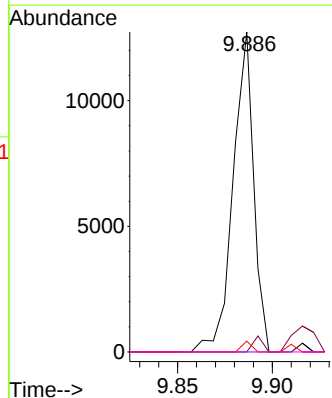
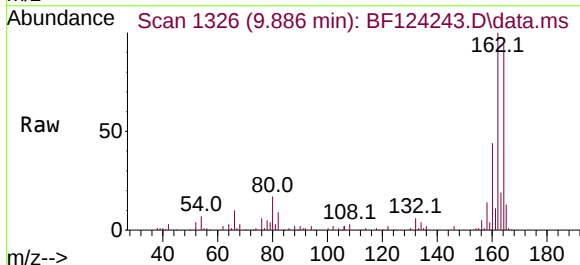
Instrument :
BNA_F
ClientSampled :
329

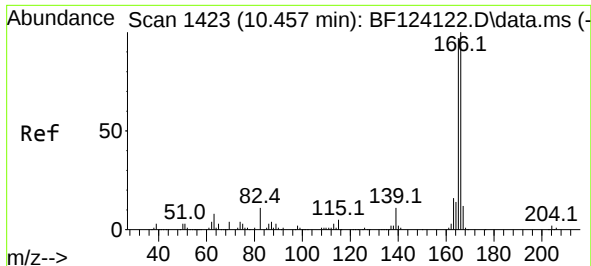
Tgt Ion:139 Resp: 2813
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 5.31 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

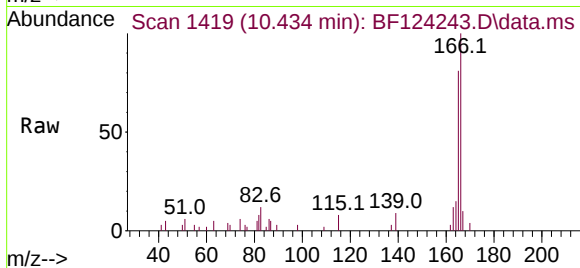
Tgt Ion:165 Resp: 9618
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 3.4 67.7 101.5#
182 0.0 2.1 3.1#



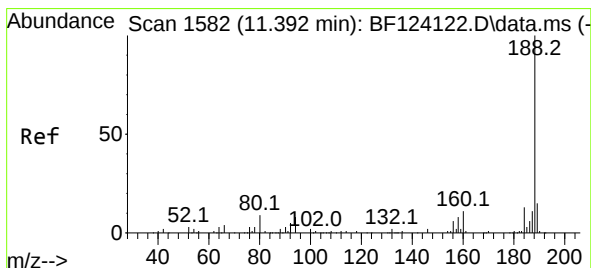
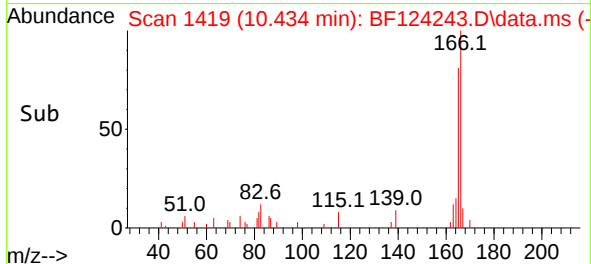
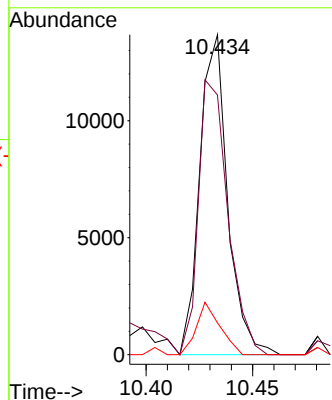


#58
Fluorene
Concen: 2.19 ng
RT: 10.434 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Instrument :
BNA_F
ClientSampled :
329

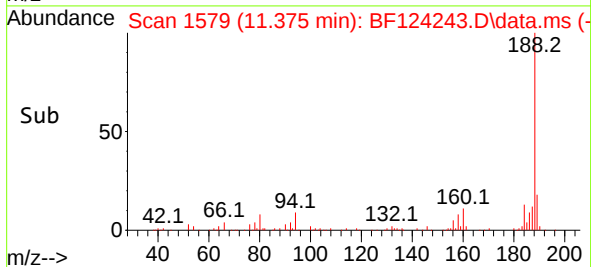
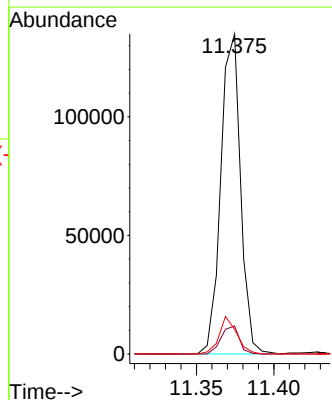
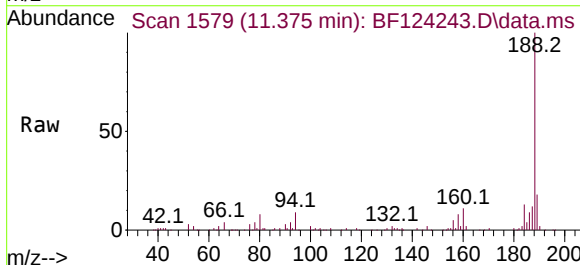


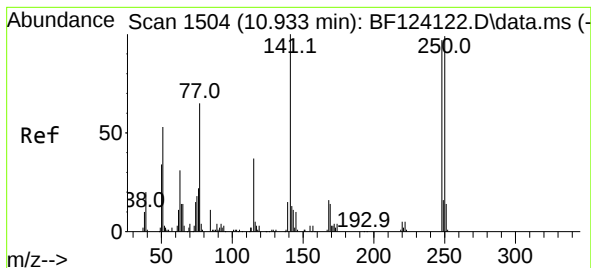
Tgt Ion:166 Resp: 12458
Ion Ratio Lower Upper
166 100
165 81.1 73.5 110.3
167 9.9 10.7 16.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Tgt Ion:188 Resp: 119827
Ion Ratio Lower Upper
188 100
94 8.7 6.9 10.3
80 7.7 8.2 12.2#

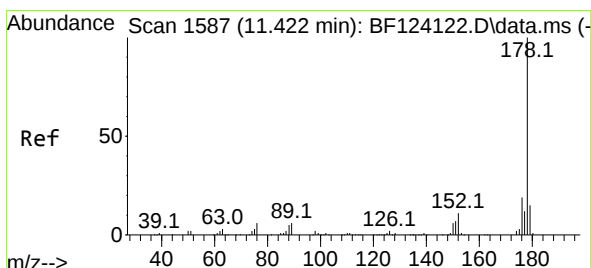
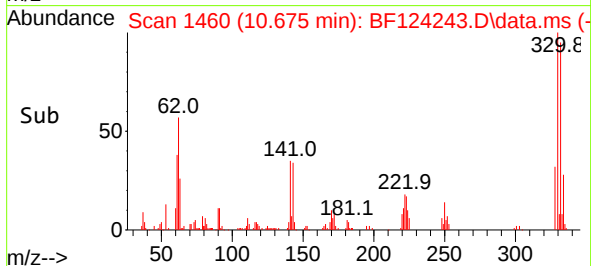
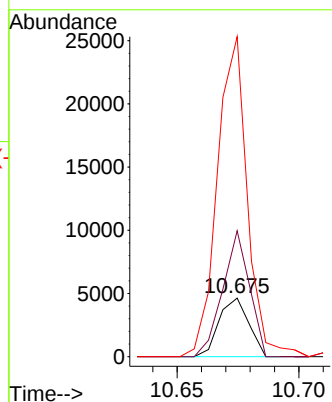
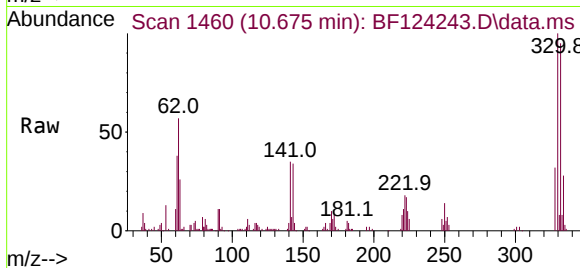




#67
4-Bromophenyl-phenylether
Concen: 2.38 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

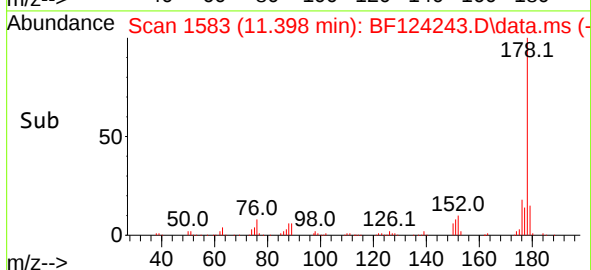
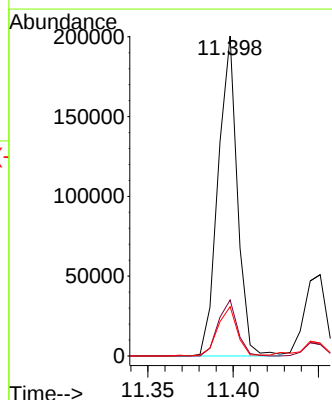
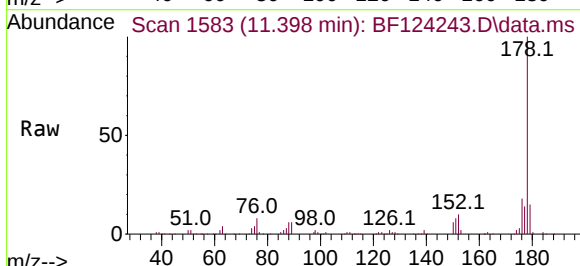
Instrument :
BNA_F
ClientSampled :
329

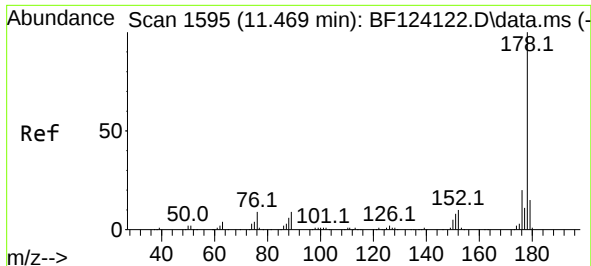
Tgt Ion:248 Resp: 3920
Ion Ratio Lower Upper
248 100
250 215.0 77.4 116.2#
141 546.1 63.7 95.5#



#71
Phenanthrene
Concen: 21.03 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Tgt Ion:178 Resp: 157432
Ion Ratio Lower Upper
178 100
176 17.5 15.6 23.4
179 15.4 12.5 18.7

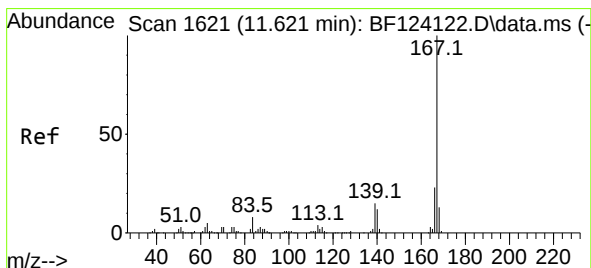
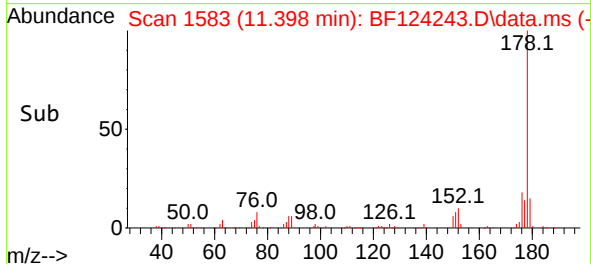
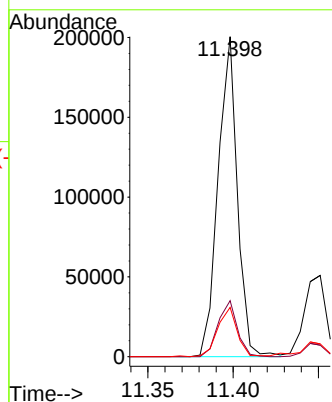
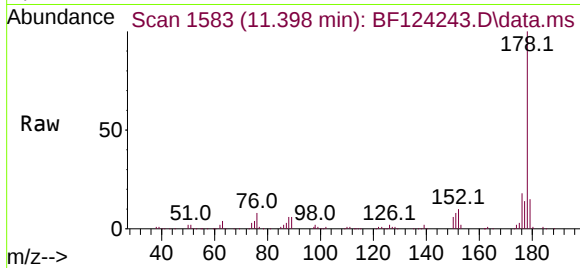




#72
 Anthracene
 Concen: 20.88 ng
 RT: 11.398 min Scan# 1583
 Delta R.T. -0.059 min
 Lab File: BF124243.D
 Acq: 10 Jun 2021 20:55

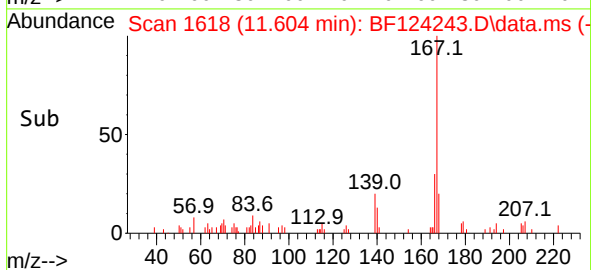
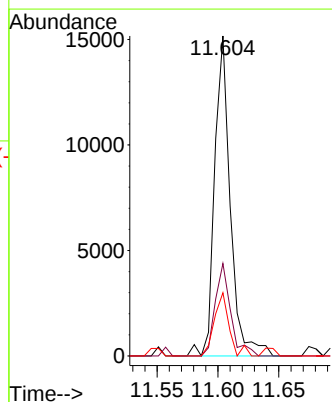
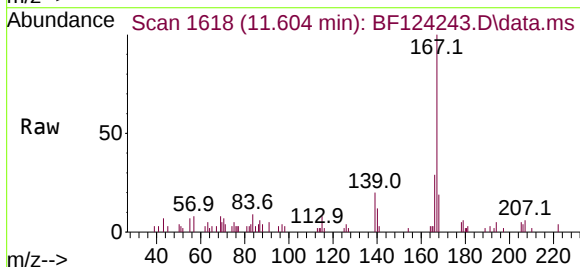
Instrument :
 BNA_F
 ClientSampleId :
 329

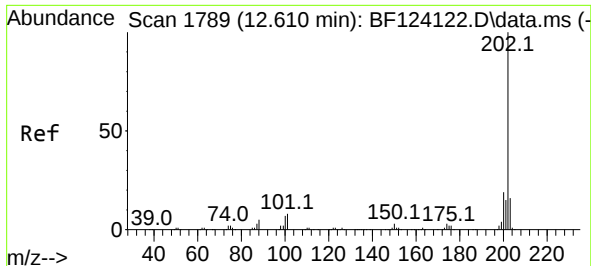
Tgt Ion:178 Resp: 157432
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.4 23.0
 179 15.4 12.6 18.8



#73
 Carbazole
 Concen: 2.07 ng
 RT: 11.604 min Scan# 1618
 Delta R.T. -0.006 min
 Lab File: BF124243.D
 Acq: 10 Jun 2021 20:55

Tgt Ion:167 Resp: 13612
 Ion Ratio Lower Upper
 167 100
 166 28.9 17.0 25.6#
 139 19.8 10.4 15.6#

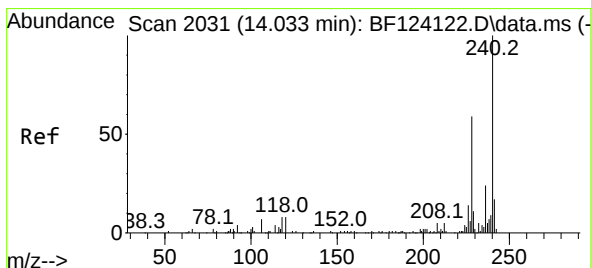
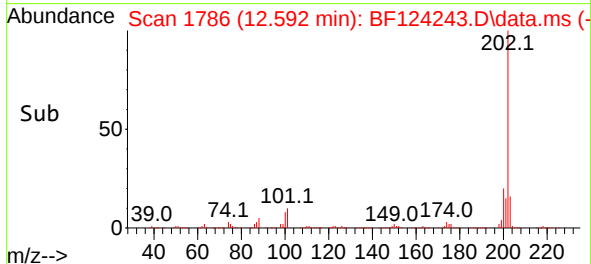
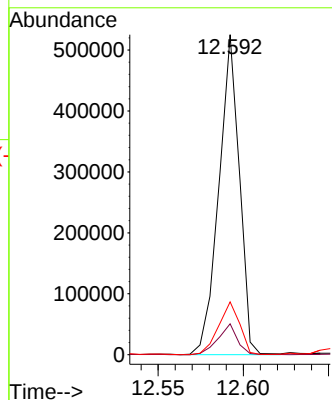
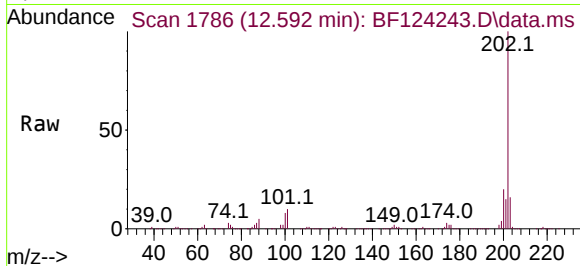




#75
Fluoranthene
Concen: 56.11 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

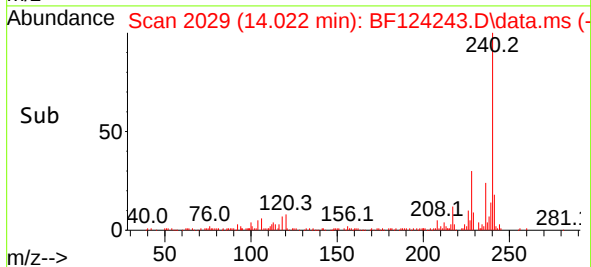
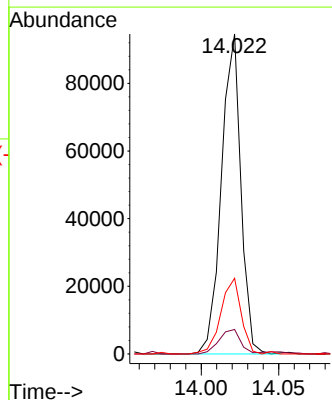
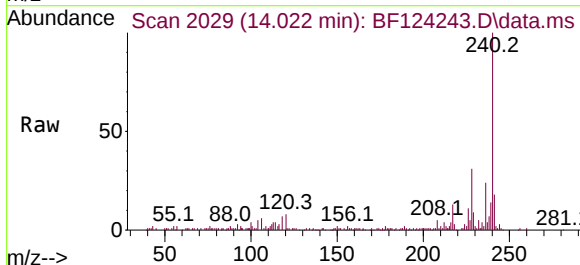
Instrument :
BNA_F
ClientSampled :
329

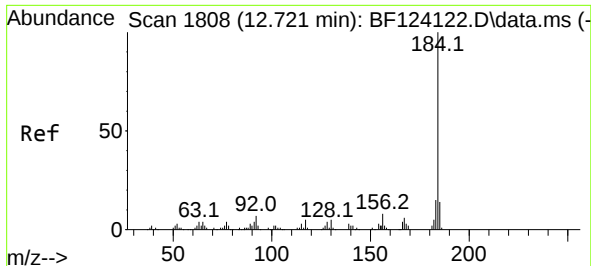
Tgt Ion:202 Resp: 440864
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.9
203 16.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.022 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Tgt Ion:240 Resp: 82405
Ion Ratio Lower Upper
240 100
120 7.6 7.2 10.8
236 23.7 19.0 28.4

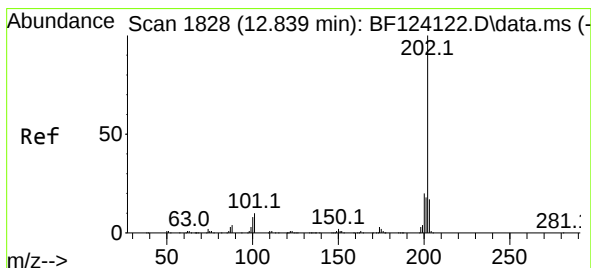
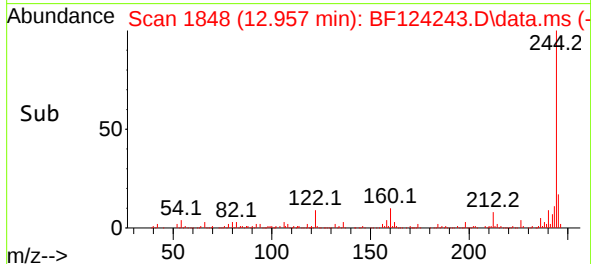
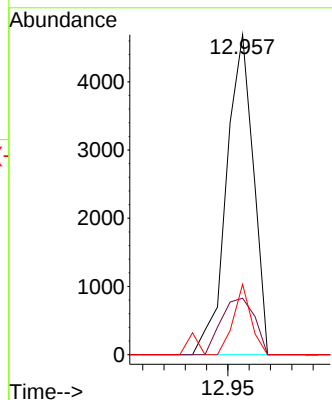
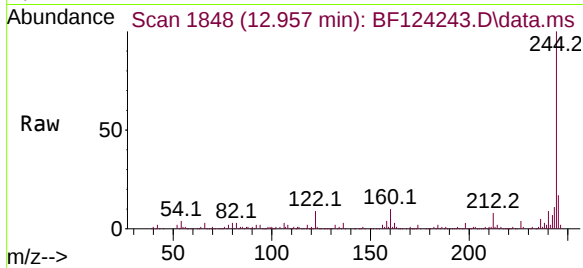




#77
Benzidine
Concen: 6.02 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.247 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

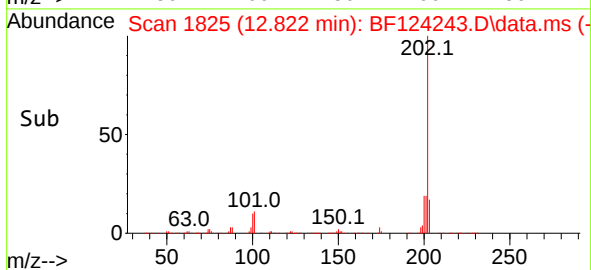
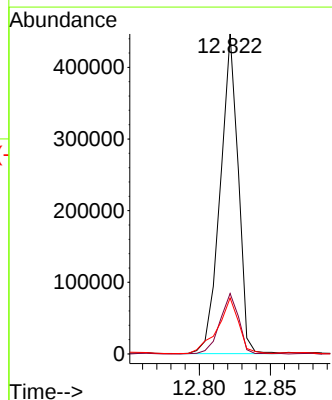
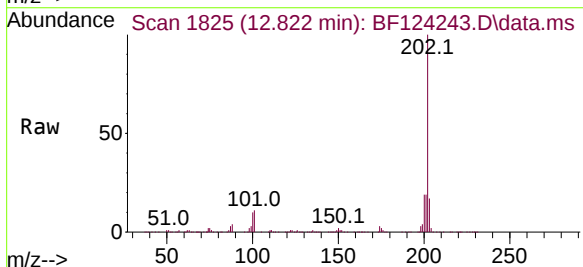
Instrument :
BNA_F
ClientSampled :
329

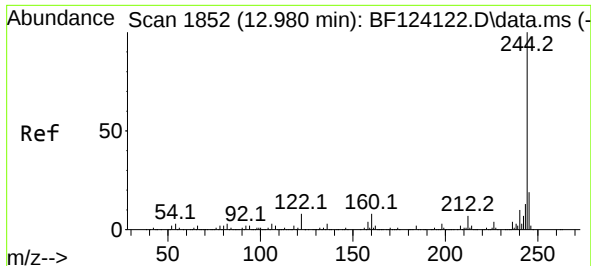
Tgt Ion:184 Resp: 4101
Ion Ratio Lower Upper
184 100
185 17.6 12.1 18.1
183 22.0 7.8 11.8#



#78
Pyrene
Concen: 49.35 ng
RT: 12.822 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Tgt Ion:202 Resp: 390484
Ion Ratio Lower Upper
202 100
200 18.9 16.1 24.1
203 17.5 14.8 22.2

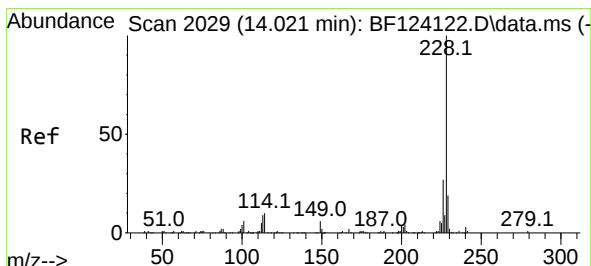
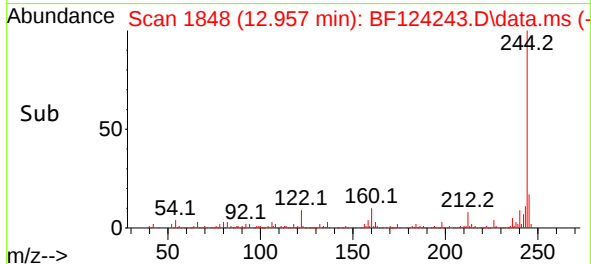
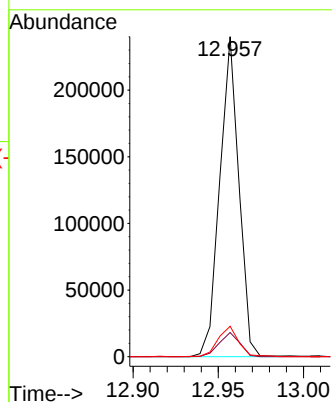
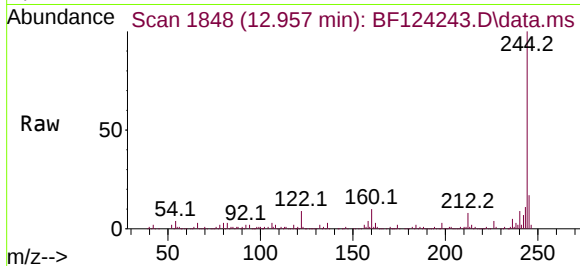




#79
 Terphenyl-d14
 Concen: 31.26 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF124243.D
 Acq: 10 Jun 2021 20:55

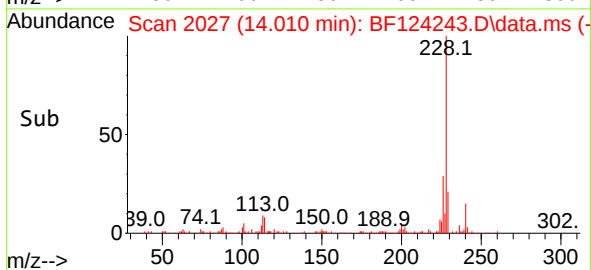
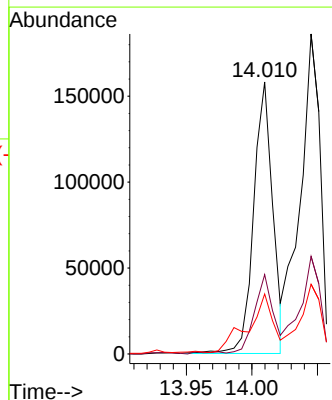
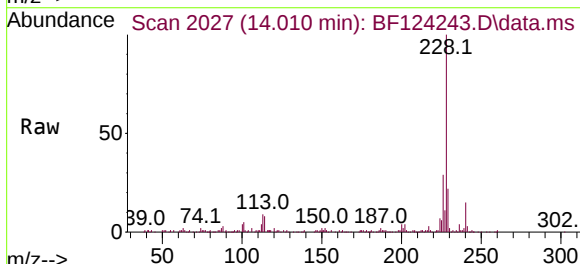
Instrument :
 BNA_F
 ClientSampleId :
 329

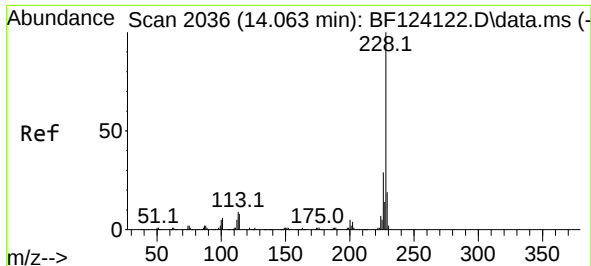
Tgt Ion:244 Resp: 187637
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 9.5 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 26.60 ng
 RT: 14.010 min Scan# 2027
 Delta R.T. 0.000 min
 Lab File: BF124243.D
 Acq: 10 Jun 2021 20:55

Tgt Ion:228 Resp: 159672
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.4 33.6
 229 22.0 16.0 24.0

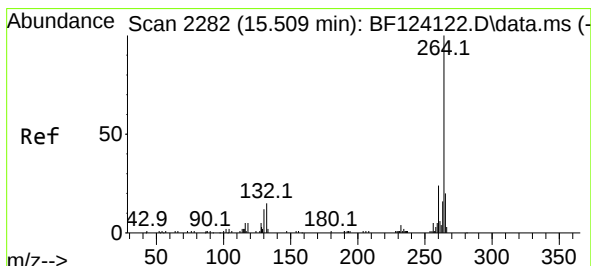
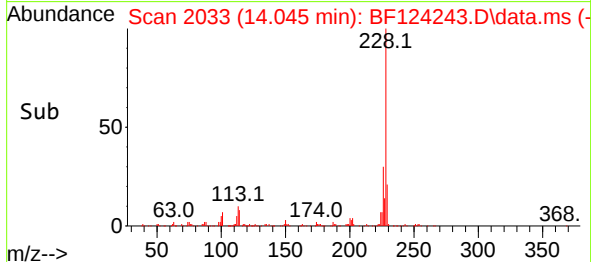
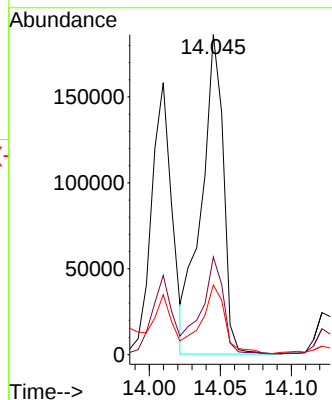
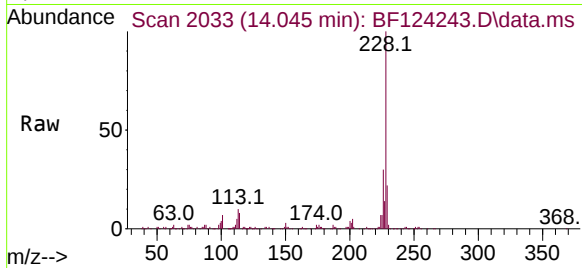




#83
Chrysene
Concen: 34.50 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

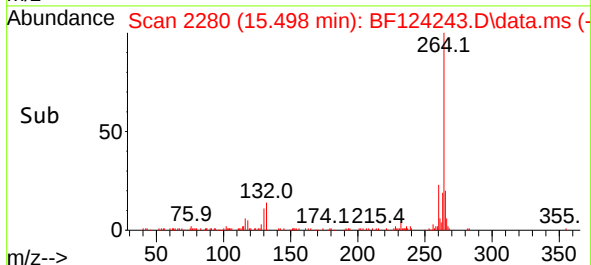
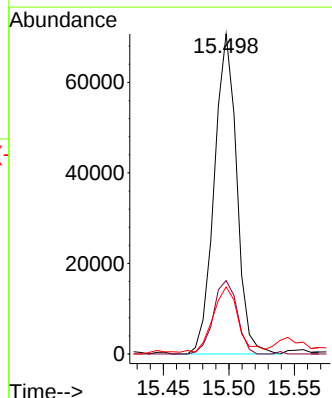
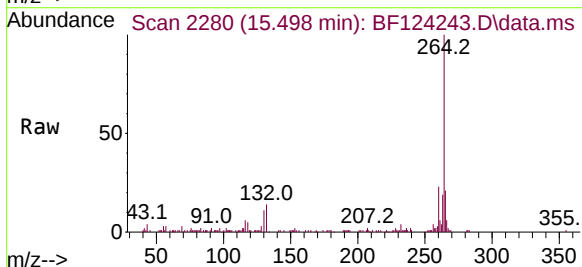
Instrument :
BNA_F
ClientSampleId :
329

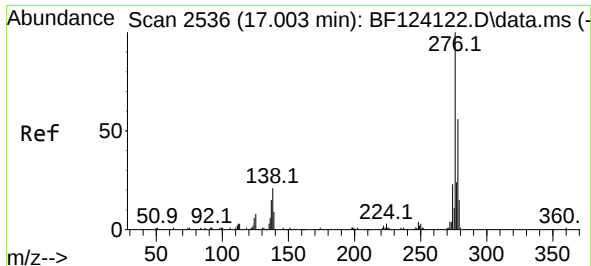
Tgt Ion:228 Resp: 199829
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 21.8 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Tgt Ion:264 Resp: 83881
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 20.9 17.8 26.8

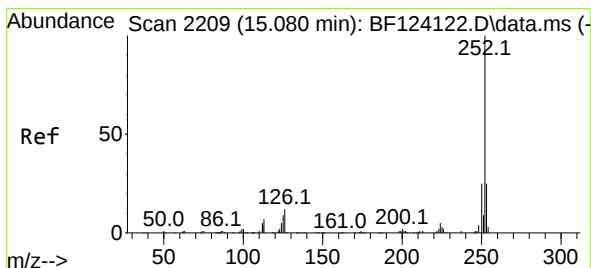
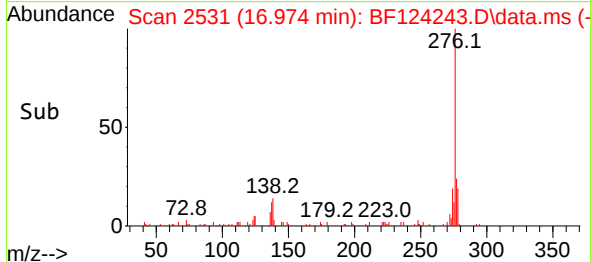
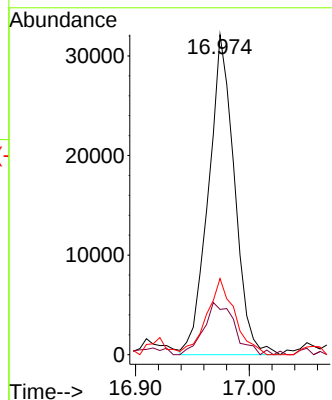
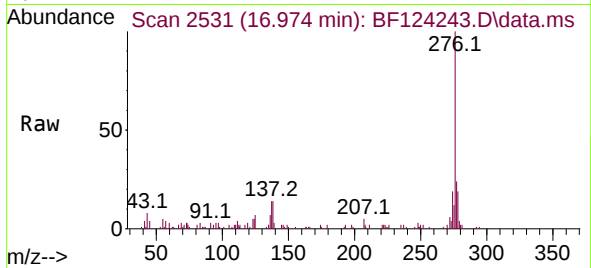




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.99 ng
 RT: 16.974 min Scan# 2531
 Delta R.T. -0.006 min
 Lab File: BF124243.D
 Acq: 10 Jun 2021 20:55

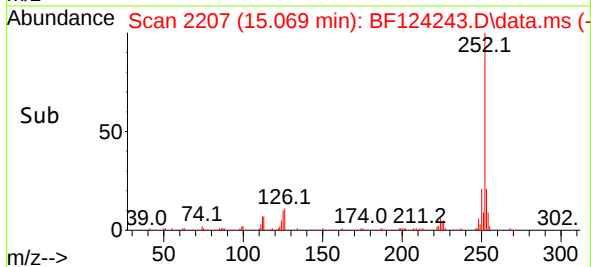
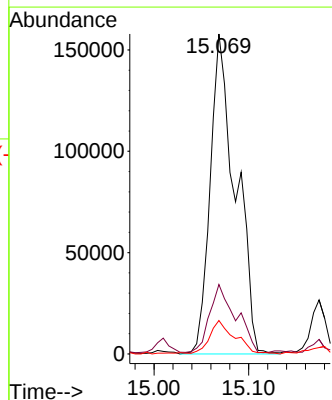
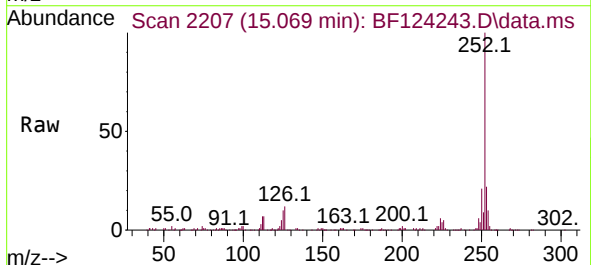
Instrument :
 BNA_F
 ClientSampleId :
 329

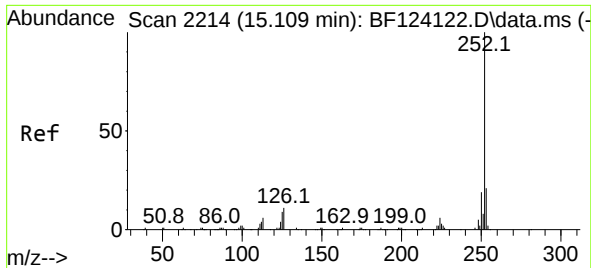
Tgt Ion:276 Resp: 51069
 Ion Ratio Lower Upper
 276 100
 138 19.6 16.2 24.2
 277 25.6 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 45.36 ng
 RT: 15.069 min Scan# 2207
 Delta R.T. 0.006 min
 Lab File: BF124243.D
 Acq: 10 Jun 2021 20:55

Tgt Ion:252 Resp: 295574
 Ion Ratio Lower Upper
 252 100
 253 21.7 18.1 27.1
 125 10.4 6.2 9.4#

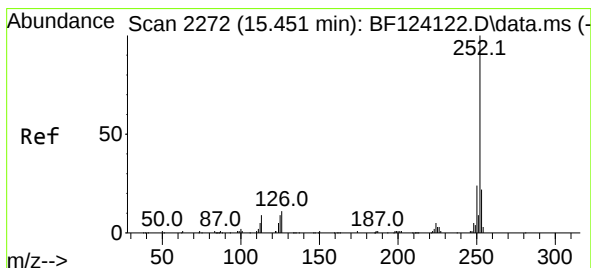
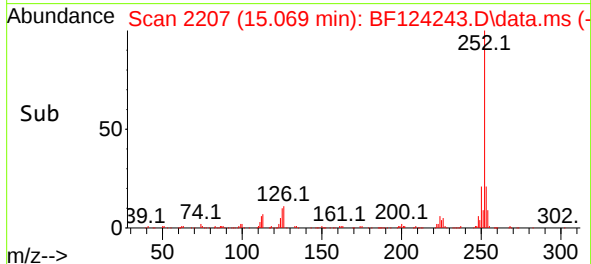
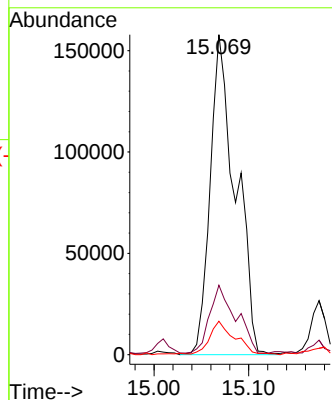
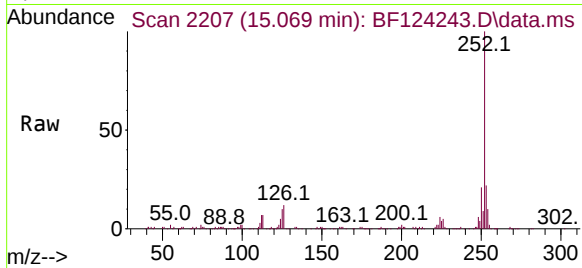




#89
Benzo(k)fluoranthene
Concen: 47.92 ng
RT: 15.069 min Scan# 2207
Delta R.T. -0.023 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

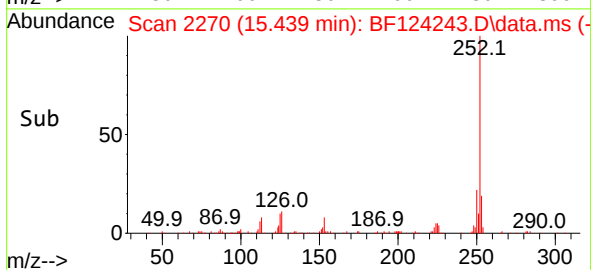
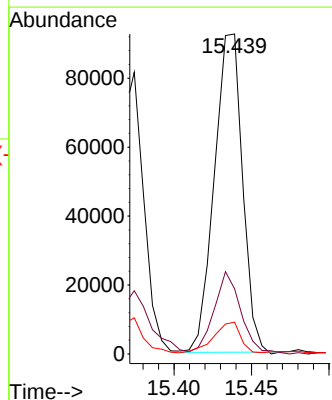
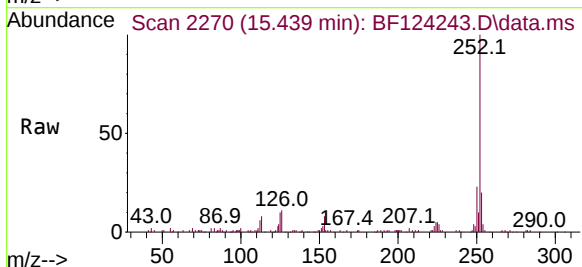
Instrument :
BNA_F
ClientSampleId :
329

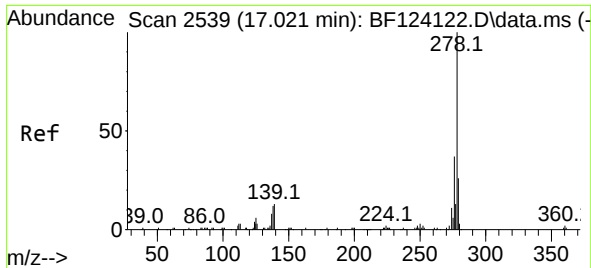
Tgt Ion:252 Resp: 295574
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 10.4 7.0 10.6



#90
Benzo(a)pyrene
Concen: 20.59 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Tgt Ion:252 Resp: 116559
Ion Ratio Lower Upper
252 100
253 20.4 18.4 27.6
125 9.9 8.0 12.0

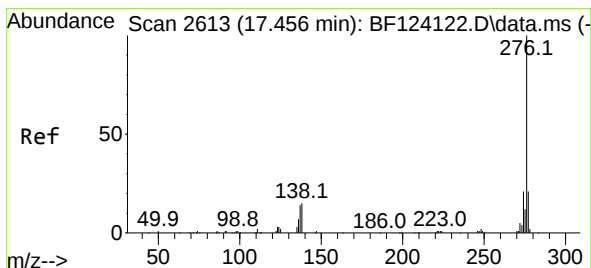
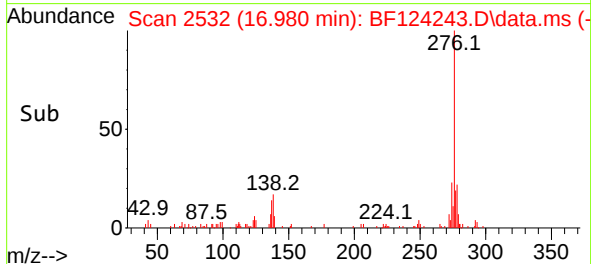
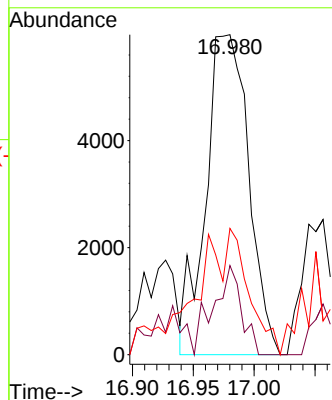
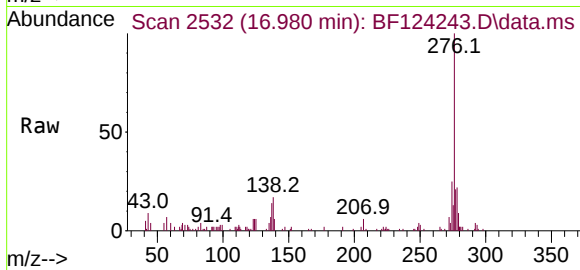




#91
Dibenzo(a,h)anthracene
Concen: 6.43 ng
RT: 16.980 min Scan# 2532
Delta R.T. -0.011 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Instrument :
BNA_F
ClientSampled :
329

Tgt Ion:278 Resp: 14703
Ion Ratio Lower Upper
278 100
139 27.9 10.2 15.2#
279 39.4 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 10.20 ng
RT: 17.427 min Scan# 2608
Delta R.T. -0.006 min
Lab File: BF124243.D
Acq: 10 Jun 2021 20:55

Tgt Ion:276 Resp: 40815
Ion Ratio Lower Upper
276 100
277 30.6 18.2 27.2#
138 14.5 13.8 20.6

