

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
 Data File : BF122893.D
 Acq On : 30 Dec 2020 22:42
 Operator : JU/CG
 Sample : L5242-07DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4(464+26)DL

Quant Time: Dec 31 01:00:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

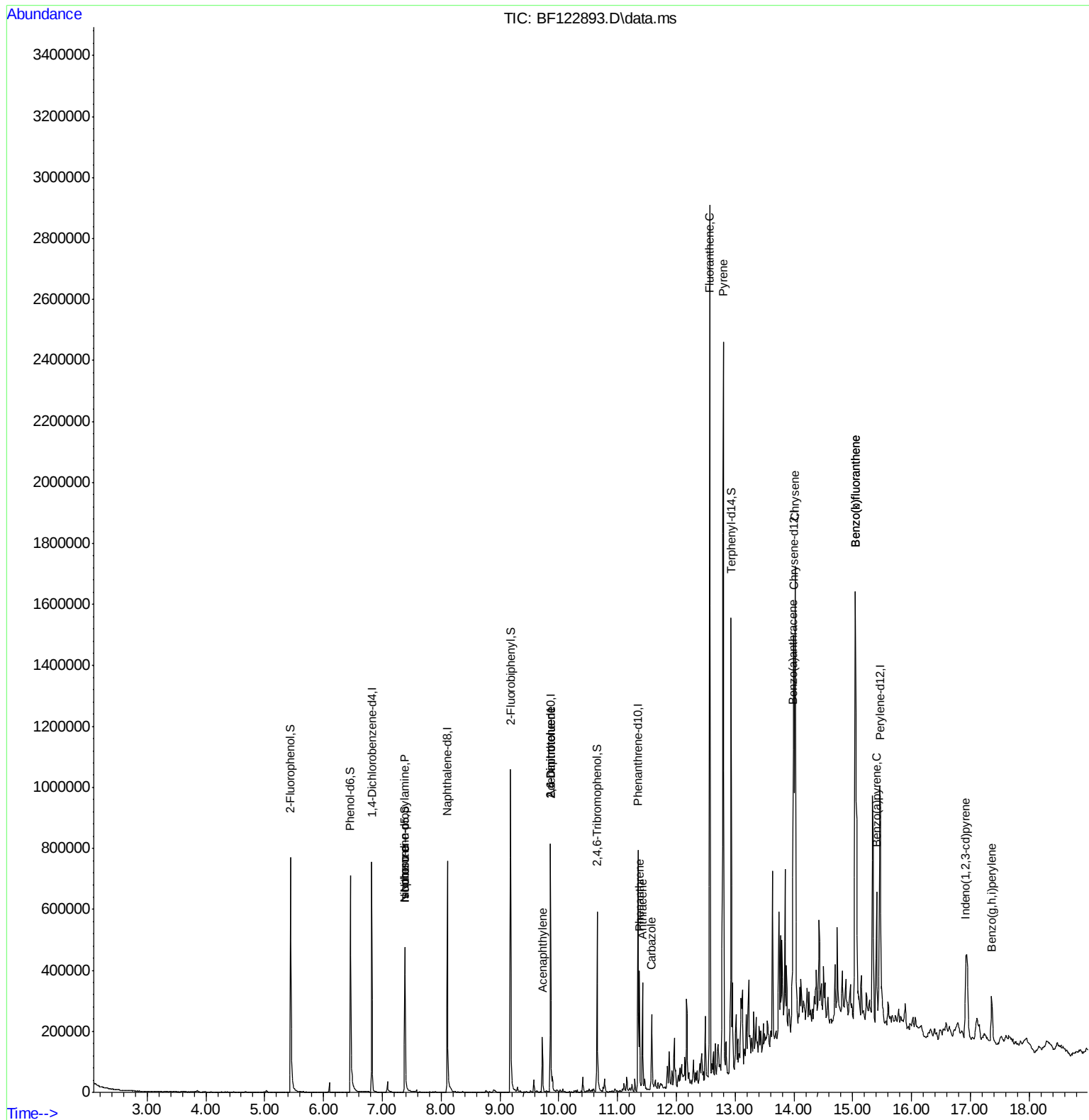
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	107785	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	375427	20.00	ng	0.00
39) Acenaphthene-d10	9.863	164	180444	20.00	ng	0.00
64) Phenanthrene-d10	11.351	188	316301	20.00	ng	0.00
76) Chrysene-d12	13.998	240	335693	20.00	ng	0.01
86) Perylene-d12	15.462	264	361108	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	263913	38.76	ng	0.00
7) Phenol-d6	6.457	99	295474	32.72	ng	0.00
23) Nitrobenzene-d5	7.381	82	178135	23.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	86633	36.68	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	360594	27.03	ng	0.00
79) Terphenyl-d14	12.933	244	421222	21.96	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.381	70	22099	4.27	ng	# 77
25) Isophorone	7.381	82	178135	13.80	ng	# 65
49) Acenaphthylene	9.722	152	77703	4.24	ng	97
51) 2,6-Dinitrotoluene	9.863	165	23342	7.67	ng	# 30
57) 2,4-Dinitrotoluene	9.863	165	23342	5.76	ng	# 25
71) Phenanthrene	11.374	178	151105	8.04	ng	96
72) Anthracene	11.427	178	144000	7.73	ng	98
73) Carbazole	11.580	167	101476	6.00	ng	98
75) Fluoranthene	12.569	202	1110911	56.36	ng	99
78) Pyrene	12.798	202	960836	37.02	ng	99
81) Benzo(a)anthracene	13.986	228	301765	13.45	ng	97
83) Chrysene	14.021	228	699173	31.32	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	151860	6.41	ng	94
88) Benzo(b)fluoranthene	15.045	252	1046162	41.29	ng	99
89) Benzo(k)fluoranthene	15.045	252	1046162	45.16	ng	99
90) Benzo(a)pyrene	15.404	252	187594	8.46	ng	98
92) Benzo(g,h,i)perylene	17.362	276	126553	6.74	ng	97

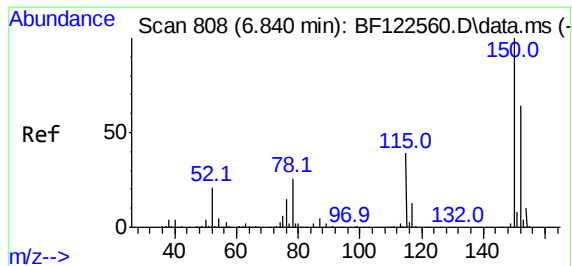
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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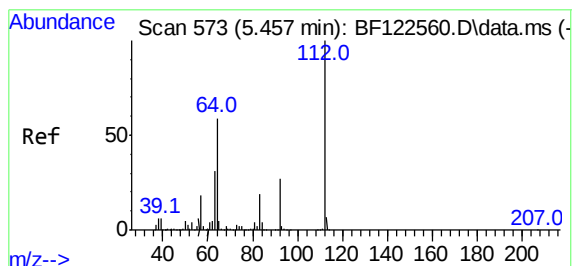
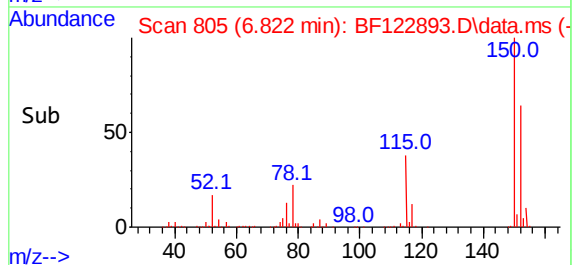
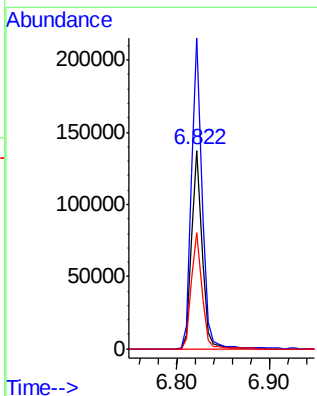
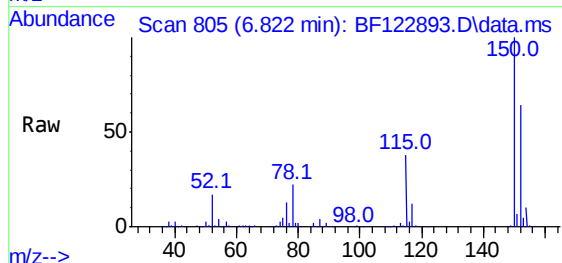




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

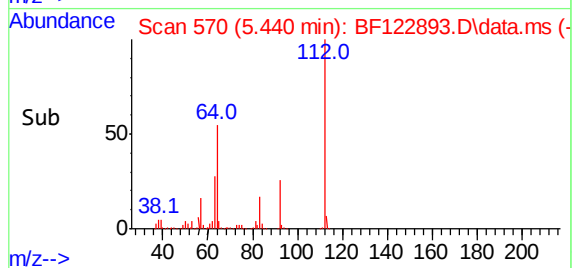
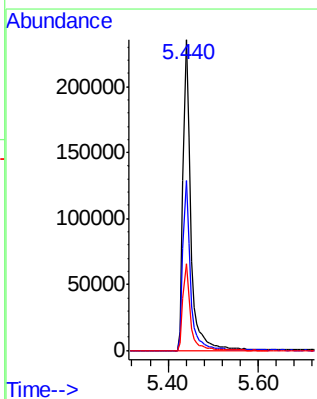
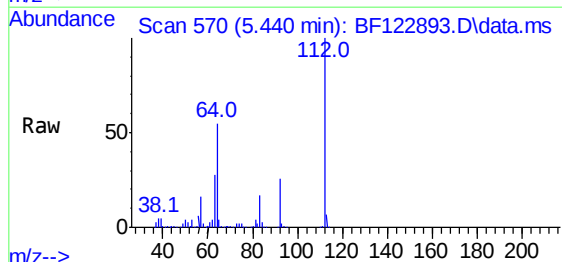
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)DL

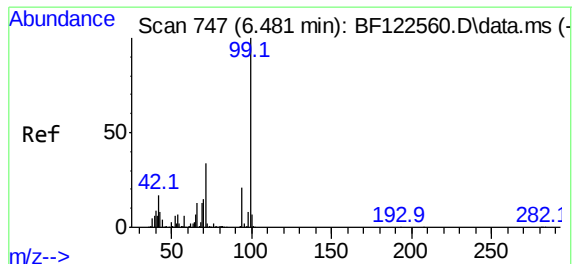
Tgt Ion:152 Resp: 107785
Ion Ratio Lower Upper
152 100
150 156.8 125.8 188.6
115 58.9 49.3 73.9



#5
2-Fluorophenol
Concen: 38.76 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

Tgt Ion:112 Resp: 263913
Ion Ratio Lower Upper
112 100
64 54.5 46.9 70.3
63 27.9 24.5 36.7

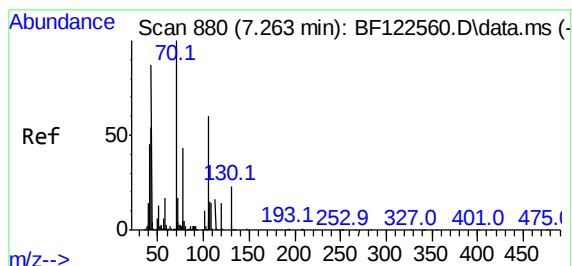
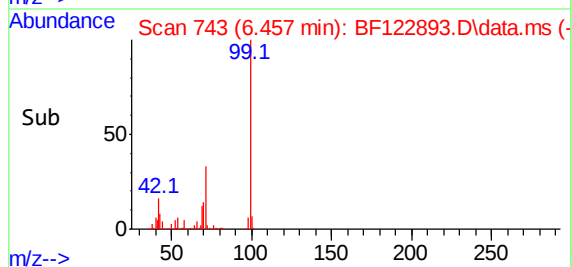
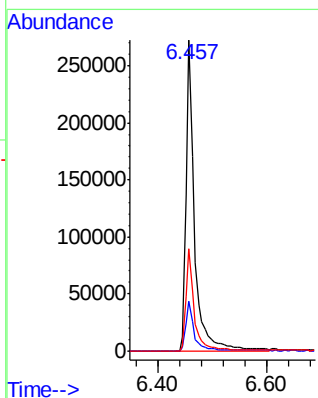
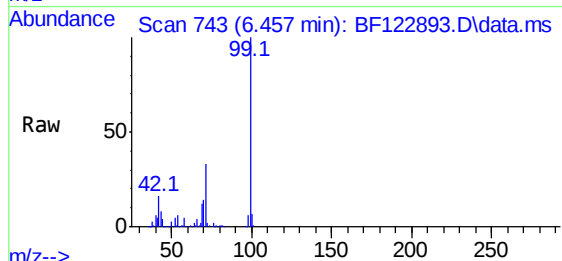




#7
Phenol-d6
Concen: 32.72 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

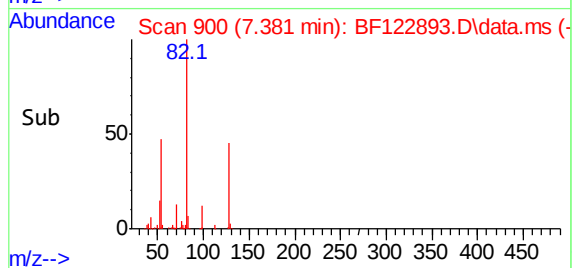
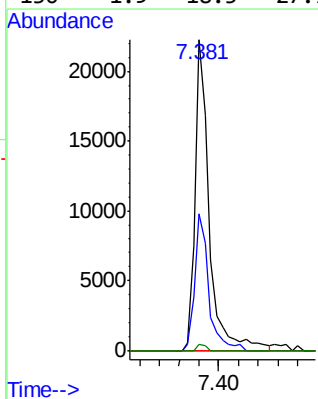
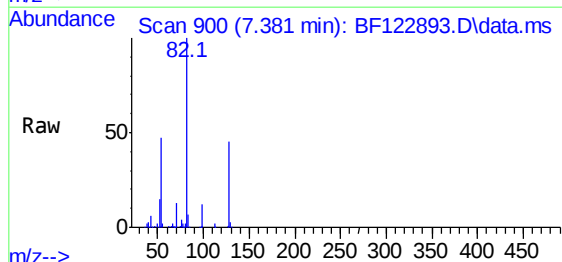
Instrument :
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ClientSampleId :
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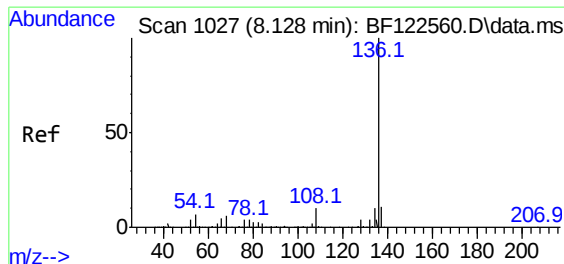
Tgt Ion: 99 Resp: 295474
Ion Ratio Lower Upper
99 100
42 15.9 13.8 20.6
71 33.0 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 4.27 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

Tgt Ion: 70 Resp: 22099
Ion Ratio Lower Upper
70 100
42 44.0 43.0 64.4
101 0.0 7.9 11.9#
130 1.9 18.5 27.7#

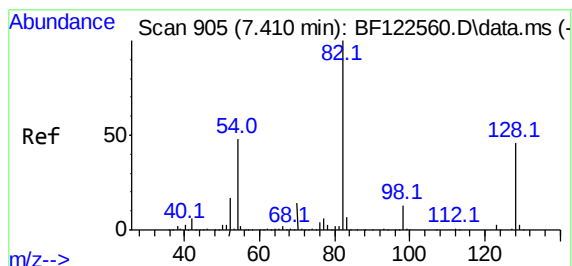
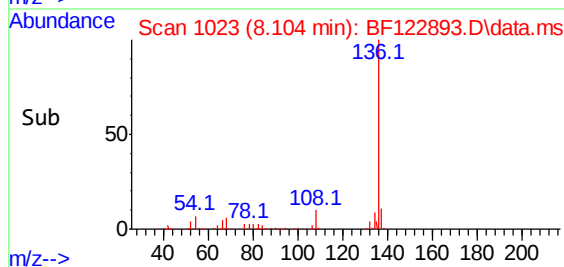
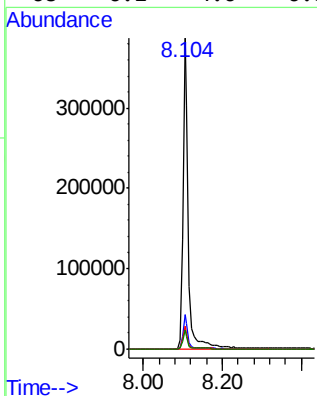
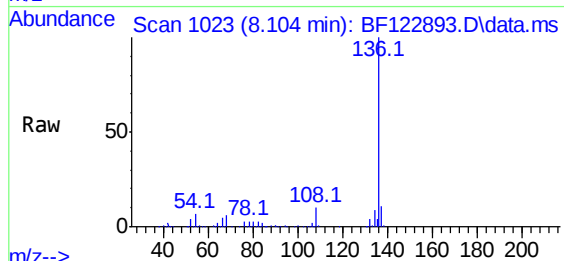




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

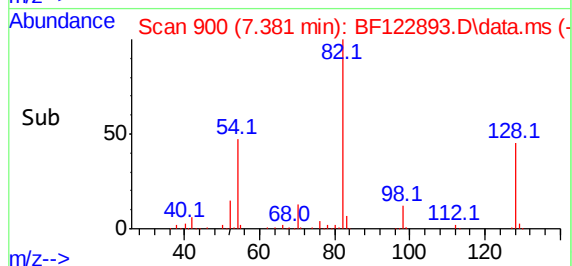
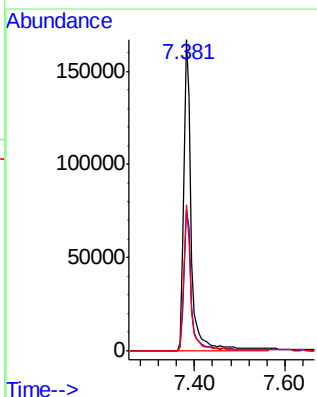
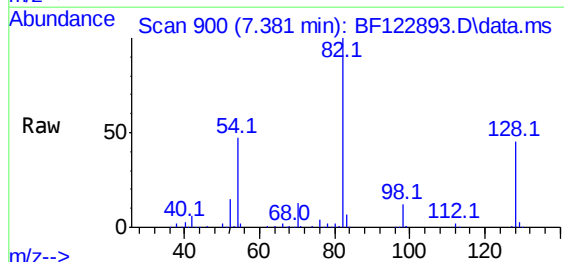
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)DL

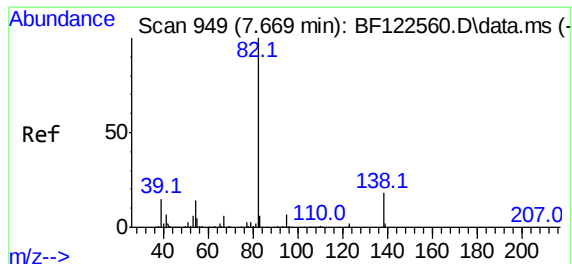
Tgt Ion:136 Resp: 375427
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.1 5.5 8.3
68 6.1 4.6 6.8



#23
Nitrobenzene-d5
Concen: 23.77 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

Tgt Ion: 82 Resp: 178135
Ion Ratio Lower Upper
82 100
128 45.1 37.0 55.4
54 46.9 38.4 57.6

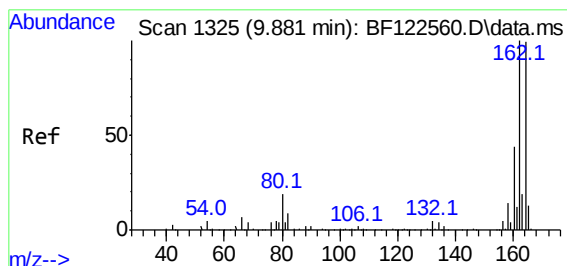
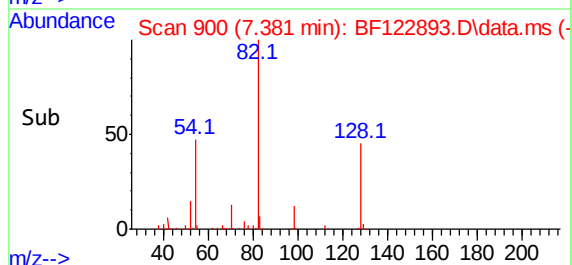
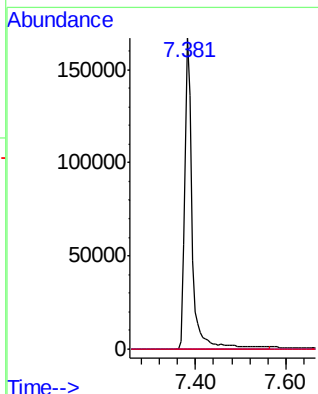
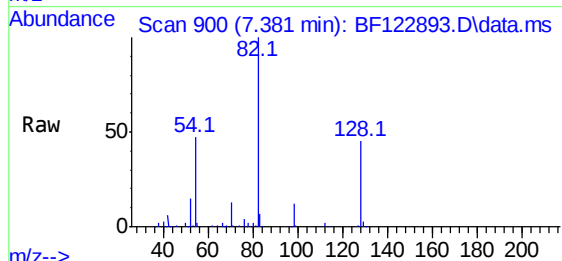




#25
Isophorone
Concen: 13.80 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

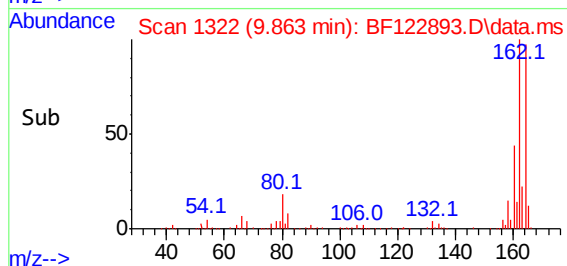
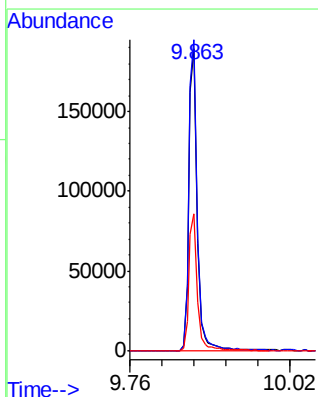
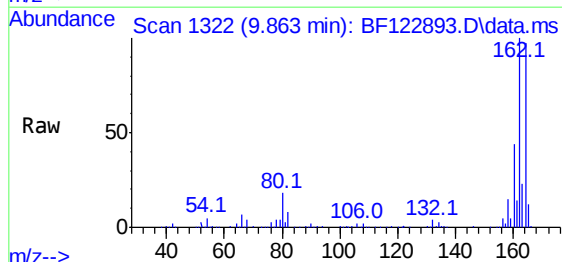
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BNA_F
ClientSampleId :
SAMPLE-4(464+26)DL

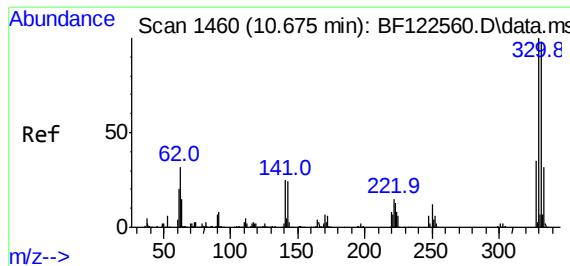
Tgt Ion: 82 Resp: 178135
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

Tgt Ion: 164 Resp: 180444
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 45.4 35.4 53.0

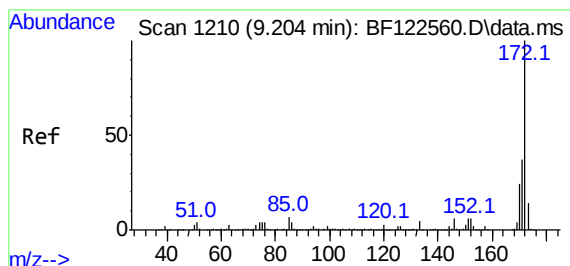
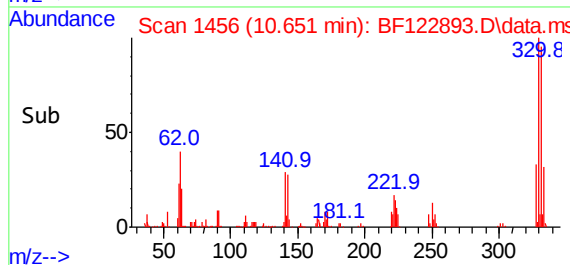
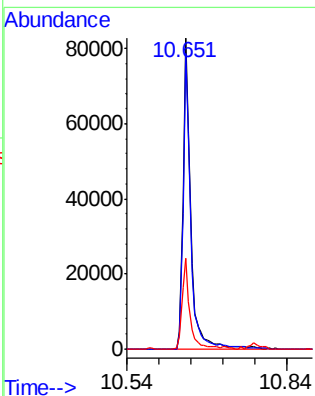
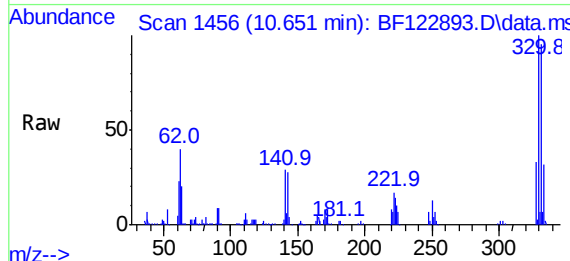




#42
2,4,6-Tribromophenol
Concen: 36.68 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

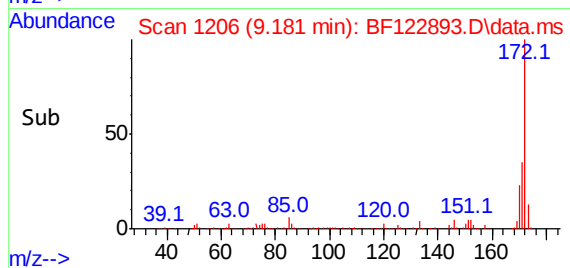
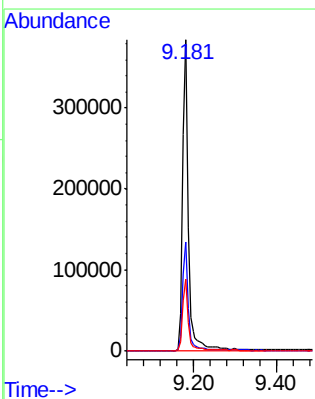
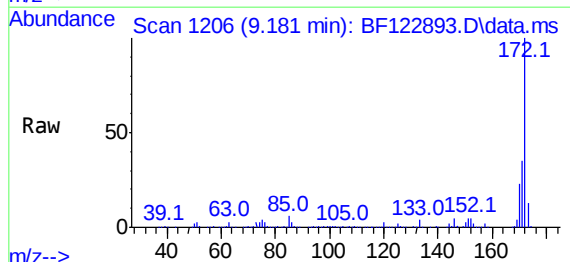
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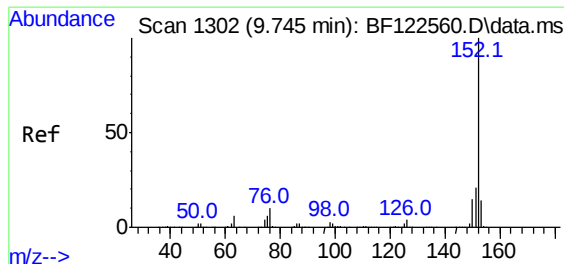
Tgt Ion:330 Resp: 86633
Ion Ratio Lower Upper
330 100
332 94.7 77.5 116.3
141 28.8 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 27.03 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

Tgt Ion:172 Resp: 360594
Ion Ratio Lower Upper
172 100
171 34.8 29.6 44.4
170 23.0 19.5 29.3

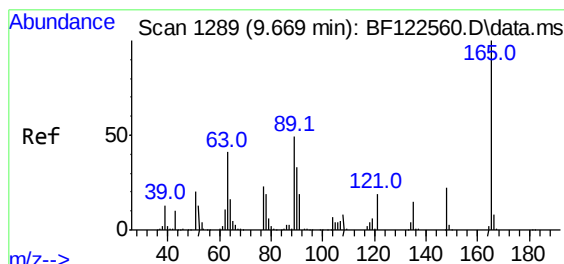
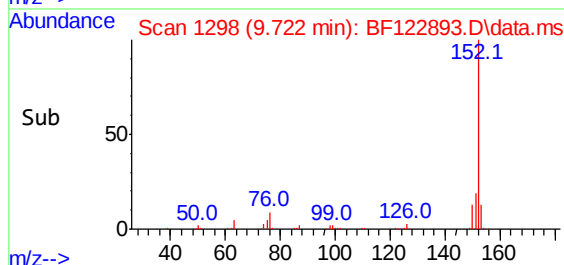
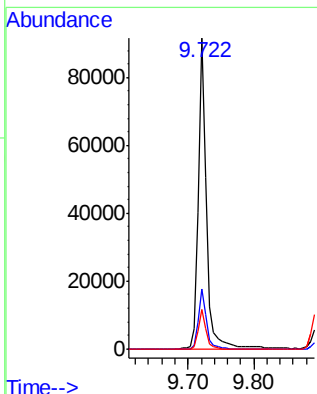
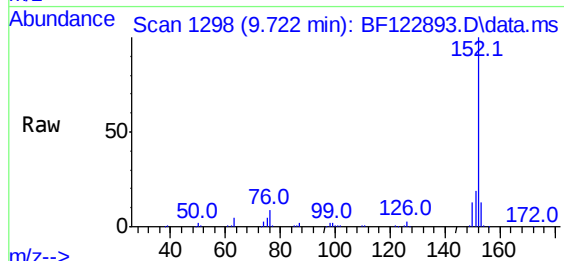




#49
Acenaphthylene
Concen: 4.24 ng
RT: 9.722 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

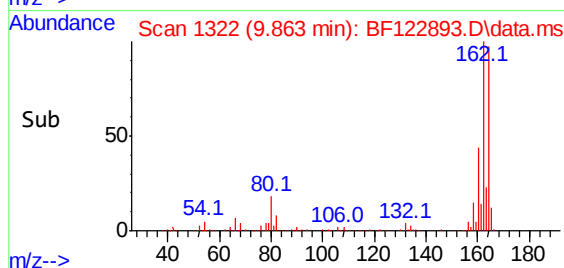
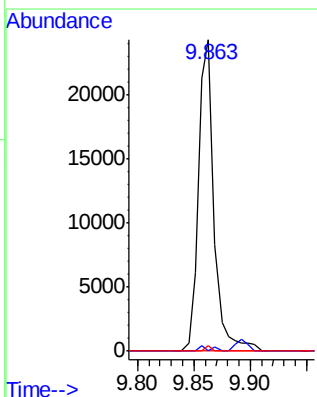
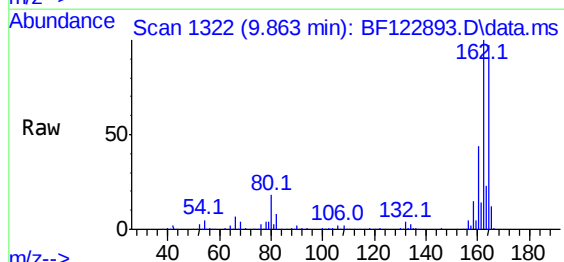
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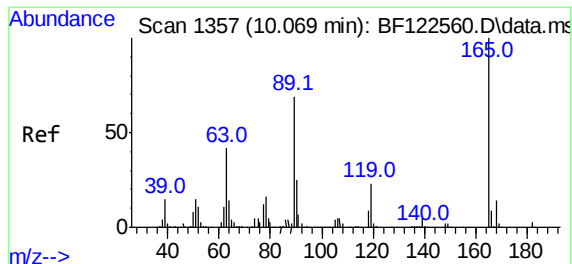
Tgt Ion:152 Resp: 77703
Ion Ratio Lower Upper
152 100
151 19.2 16.6 25.0
153 12.7 10.9 16.3



#51
2,6-Dinitrotoluene
Concen: 7.67 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.217 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

Tgt Ion:165 Resp: 23342
Ion Ratio Lower Upper
165 100
63 0.0 36.6 55.0#
89 1.6 39.4 59.0#

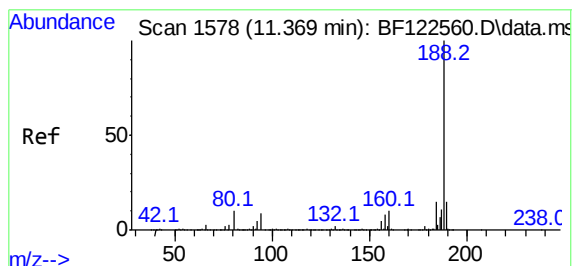
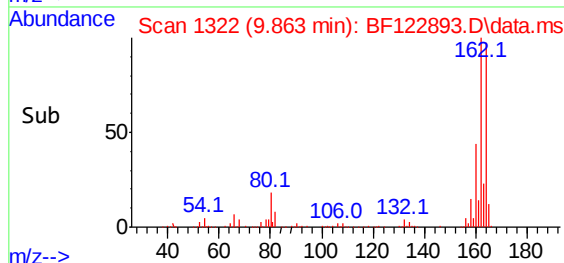
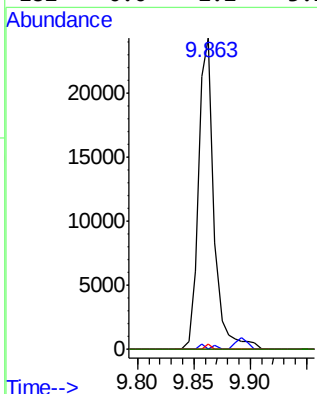
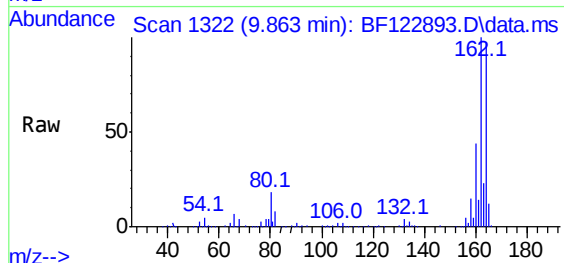




#57
2,4-Dinitrotoluene
Concen: 5.76 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.188 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

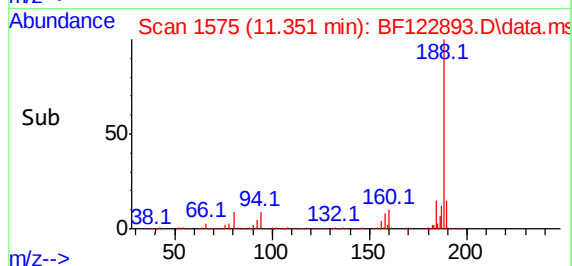
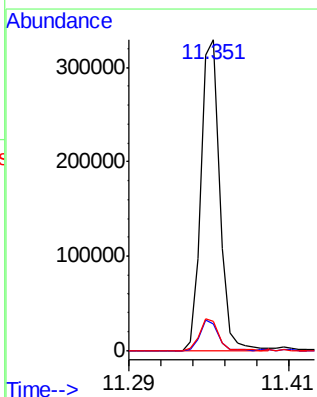
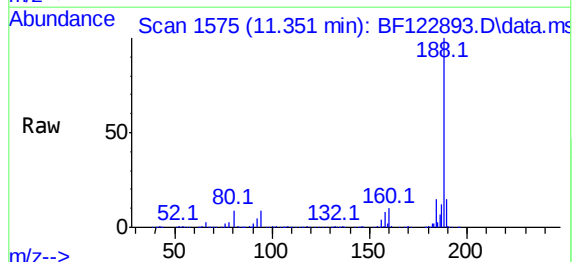
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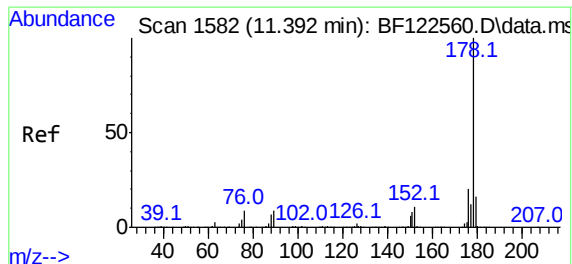
Tgt Ion:165 Resp: 23342
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 1.6 55.2 82.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

Tgt Ion:188 Resp: 316301
Ion Ratio Lower Upper
188 100
94 8.6 7.4 11.2
80 9.4 8.2 12.4

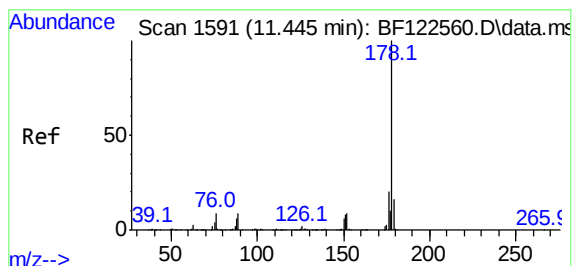
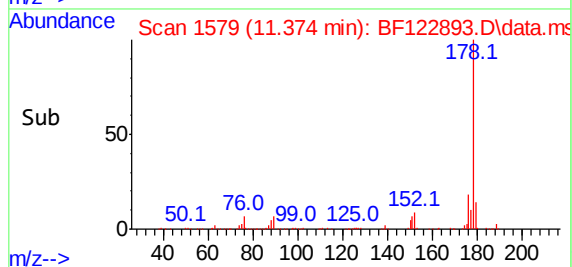
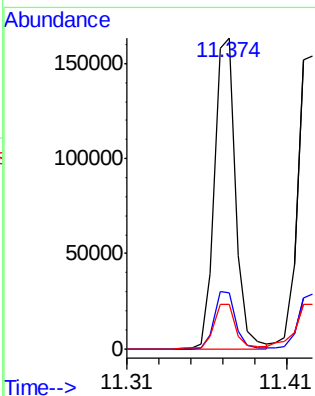
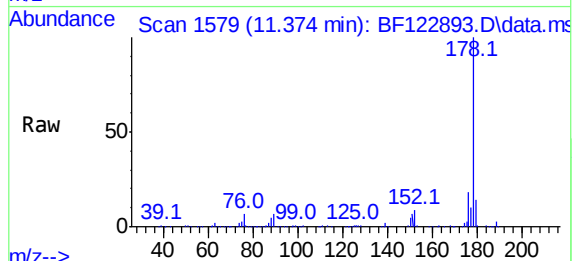




#71
Phenanthrene
Concen: 8.04 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

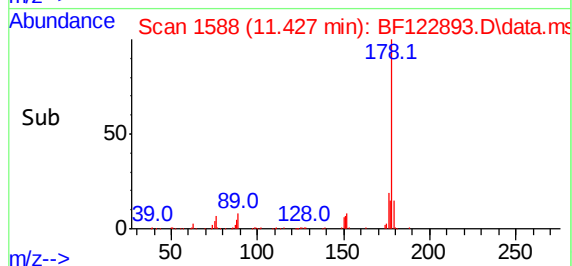
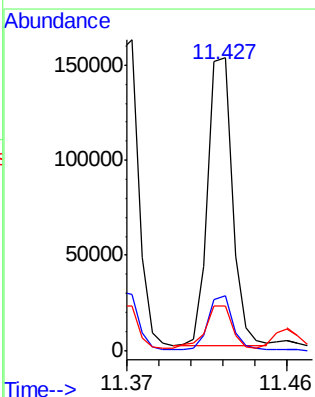
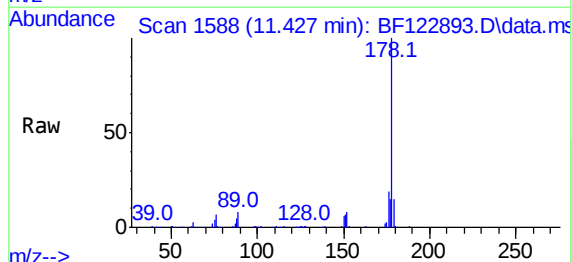
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)DL

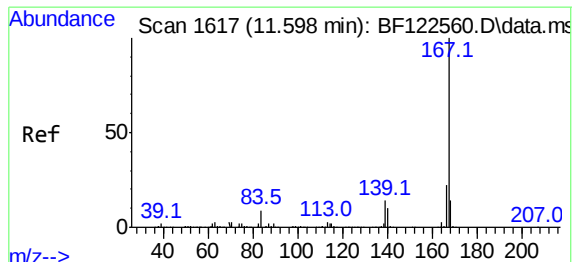
Tgt Ion:178 Resp: 151105
Ion Ratio Lower Upper
178 100
176 18.0 16.2 24.2
179 14.4 12.7 19.1



#72
Anthracene
Concen: 7.73 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

Tgt Ion:178 Resp: 144000
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.0 12.8 19.2

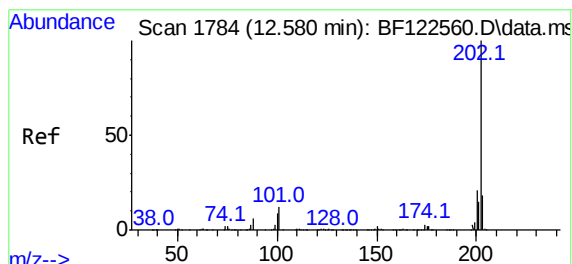
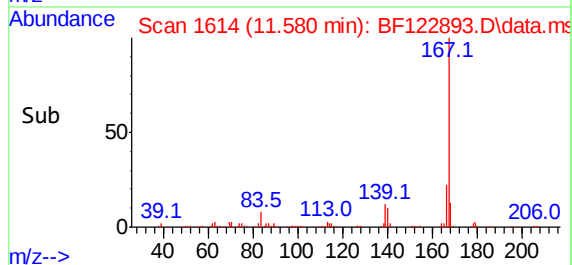
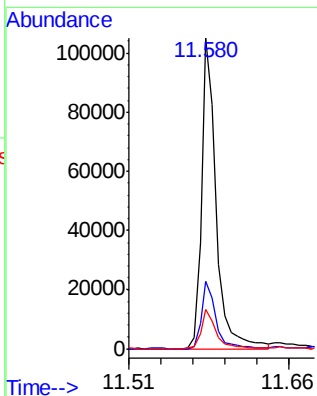
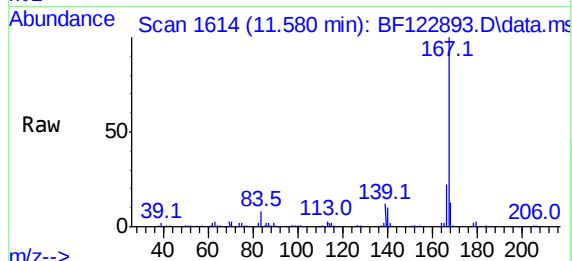




#73
 Carbazole
 Concen: 6.00 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. 0.006 min
 Lab File: BF122893.D
 Acq: 30 Dec 2020 22:42

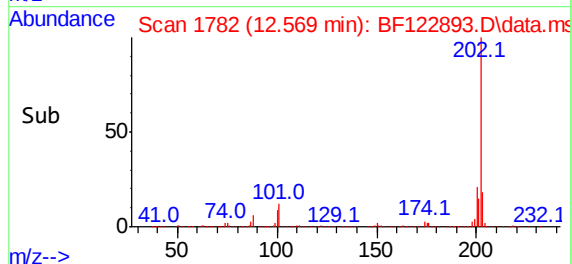
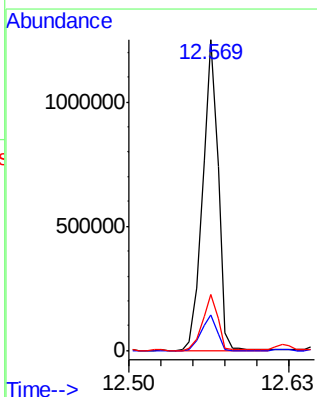
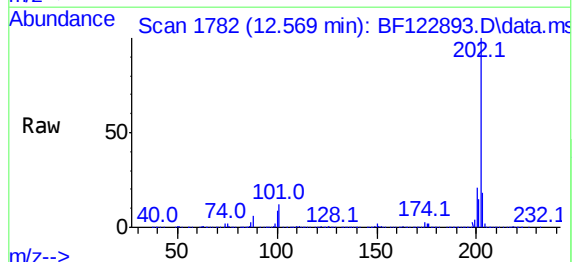
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4(464+26)DL

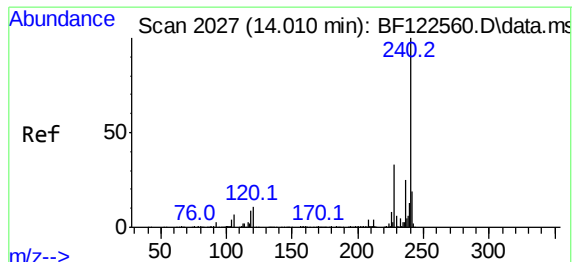
Tgt Ion:167 Resp: 101476
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.0 27.0
 139 12.5 10.9 16.3



#75
 Fluoranthene
 Concen: 56.36 ng
 RT: 12.569 min Scan# 1782
 Delta R.T. 0.012 min
 Lab File: BF122893.D
 Acq: 30 Dec 2020 22:42

Tgt Ion:202 Resp: 1110911
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 32.2
 203 17.8 0.0 38.1

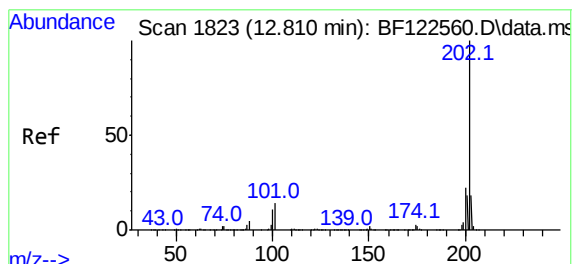
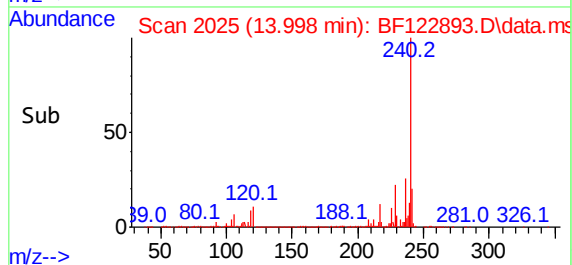
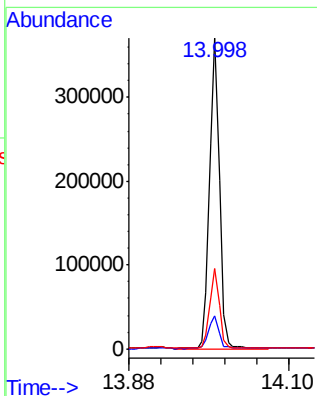
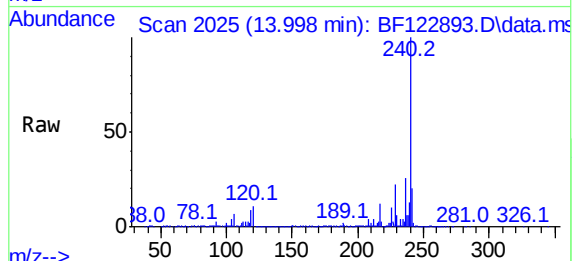




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.012 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

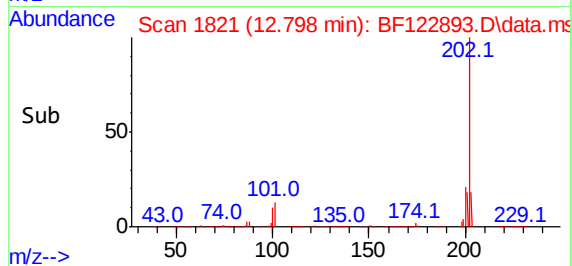
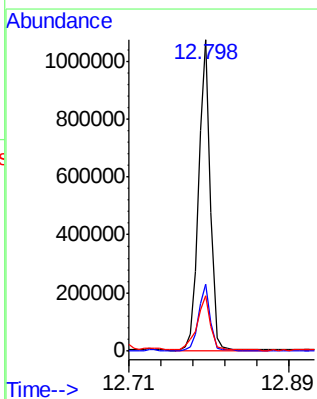
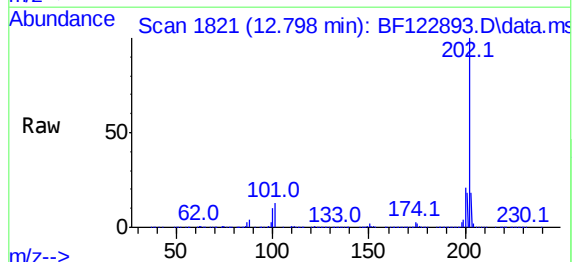
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)DL

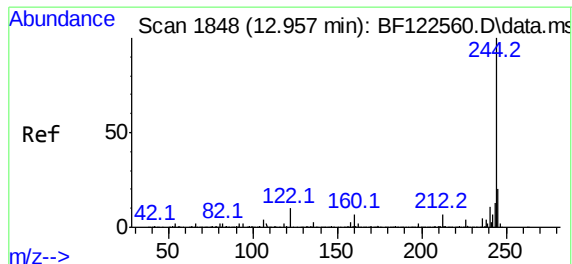
Tgt Ion:240 Resp: 335693
Ion Ratio Lower Upper
240 100
120 10.6 8.6 12.8
236 26.0 20.3 30.5



#78
Pyrene
Concen: 37.02 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.012 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

Tgt Ion:202 Resp: 960836
Ion Ratio Lower Upper
202 100
200 21.4 17.6 26.4
203 17.8 14.6 21.8

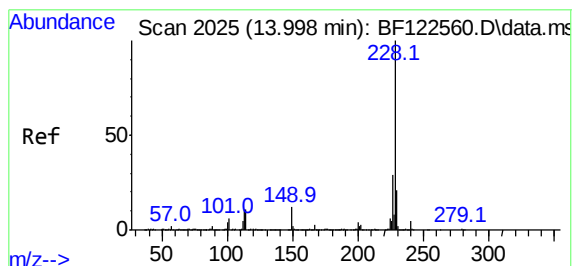
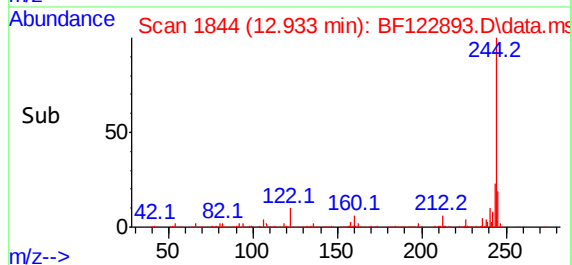
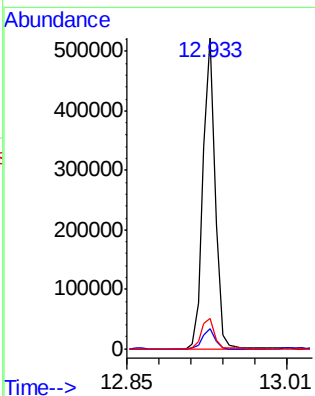
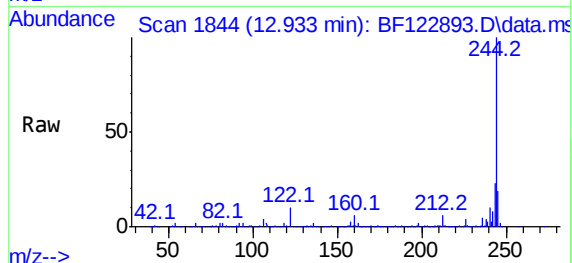




#79
 Terphenyl-d14
 Concen: 21.96 ng
 RT: 12.933 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: BF122893.D
 Acq: 30 Dec 2020 22:42

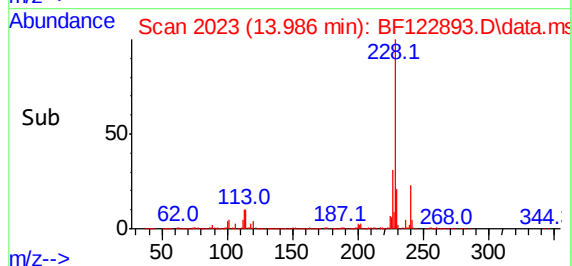
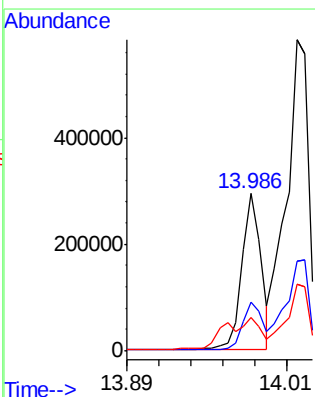
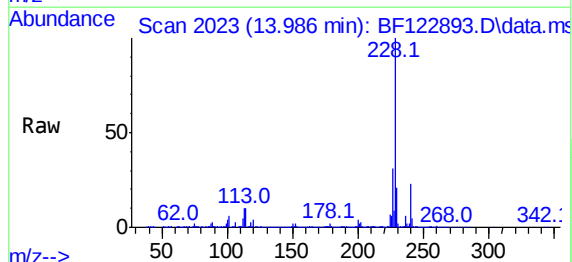
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4(464+26)DL

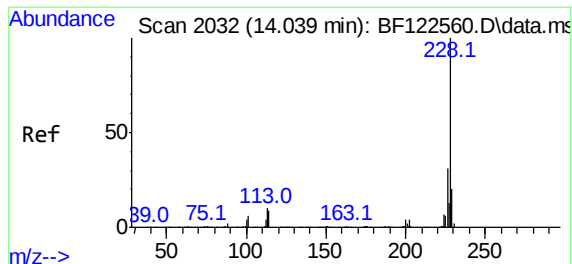
Tgt Ion:244 Resp: 421222
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.7 8.5
 122 9.7 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 13.45 ng
 RT: 13.986 min Scan# 2023
 Delta R.T. 0.012 min
 Lab File: BF122893.D
 Acq: 30 Dec 2020 22:42

Tgt Ion:228 Resp: 301765
 Ion Ratio Lower Upper
 228 100
 226 31.1 23.0 34.4
 229 21.2 16.6 24.8

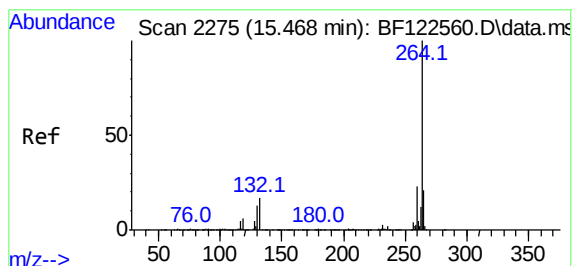
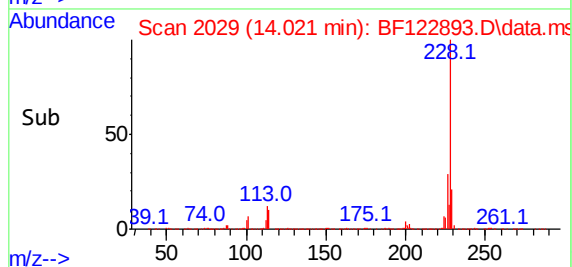
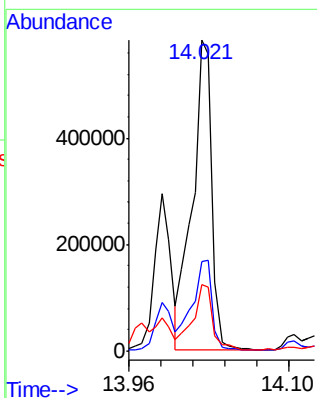
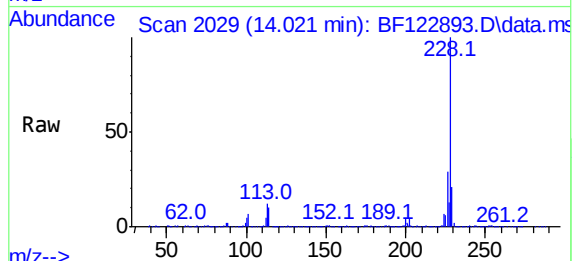




#83
Chrysene
Concen: 31.32 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

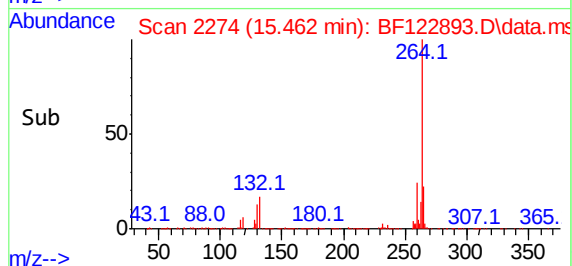
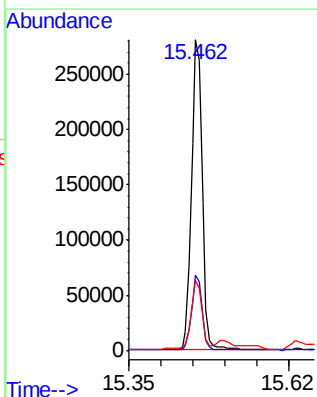
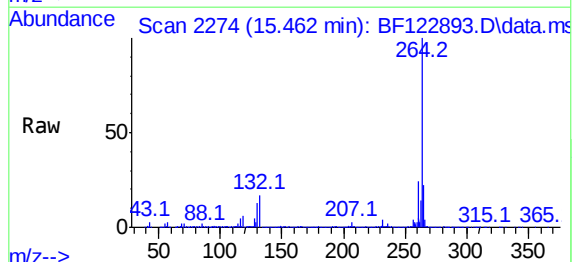
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)DL

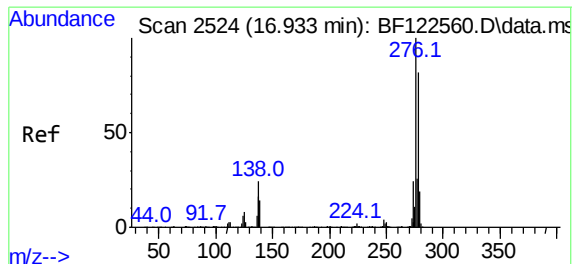
Tgt Ion:228 Resp: 699173
Ion Ratio Lower Upper
228 100
226 28.9 24.6 36.8
229 21.3 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.462 min Scan# 2274
Delta R.T. 0.023 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

Tgt Ion:264 Resp: 361108
Ion Ratio Lower Upper
264 100
260 24.2 18.6 28.0
265 22.5 17.0 25.6

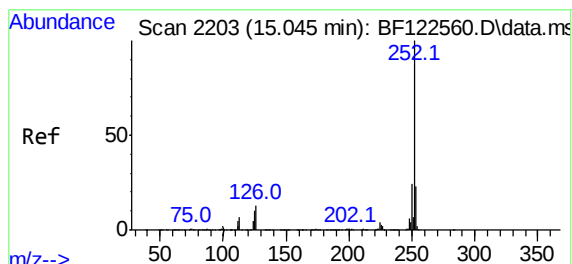
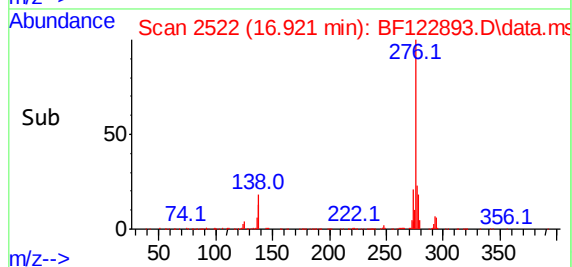
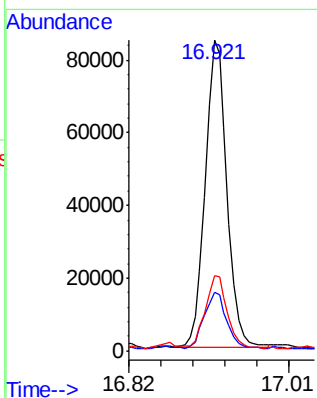
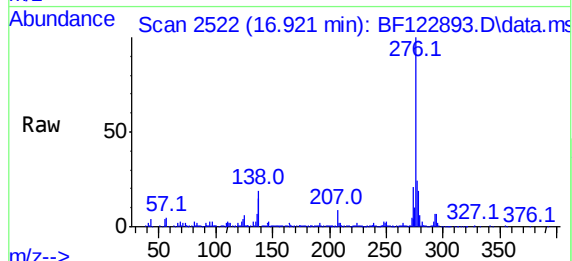




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.41 ng
RT: 16.921 min Scan# 2522
Delta R.T. 0.029 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

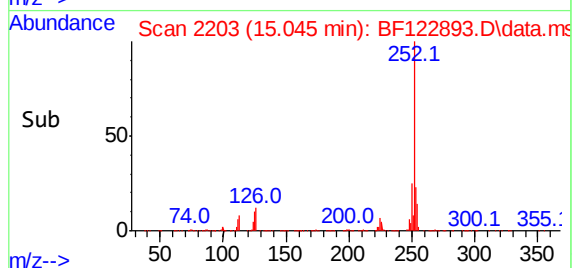
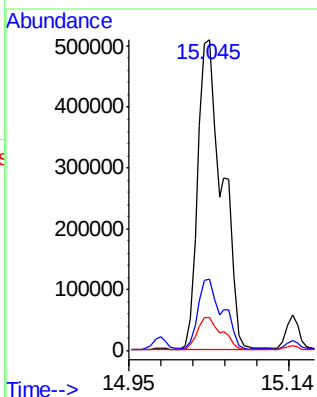
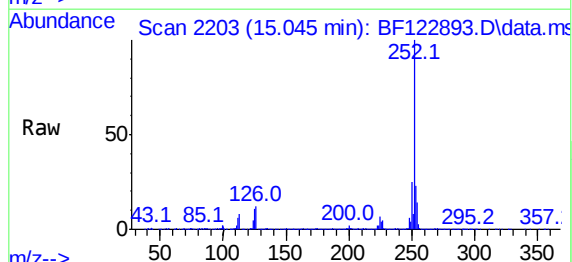
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)DL

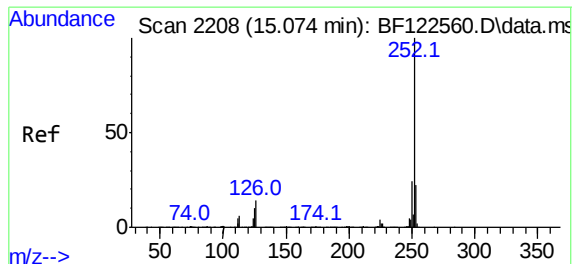
Tgt Ion:276 Resp: 151860
Ion Ratio Lower Upper
276 100
138 19.2 18.7 28.1
277 23.8 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 41.29 ng
RT: 15.045 min Scan# 2203
Delta R.T. 0.023 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

Tgt Ion:252 Resp: 1046162
Ion Ratio Lower Upper
252 100
253 22.8 18.3 27.5
125 10.7 8.1 12.1

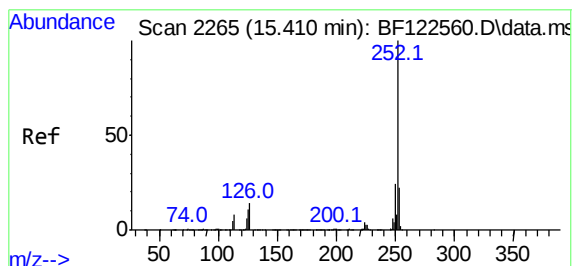
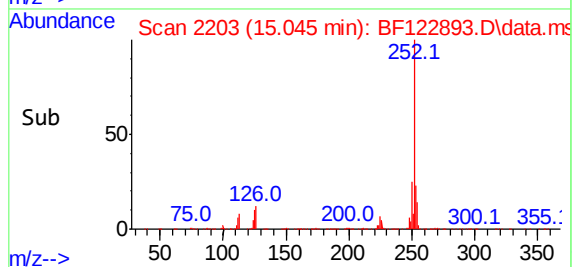
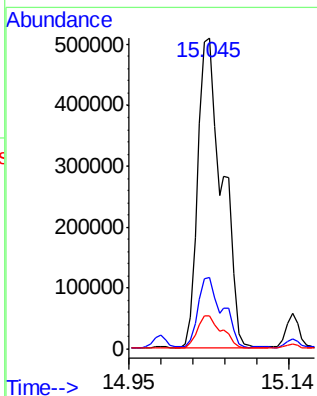
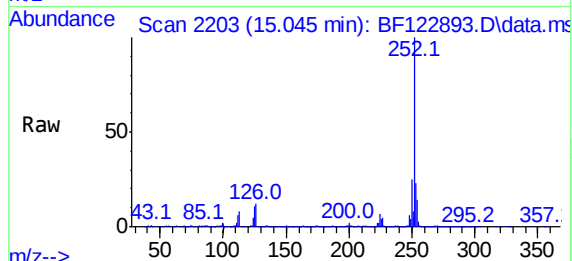




#89
Benzo(k)fluoranthene
Concen: 45.16 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

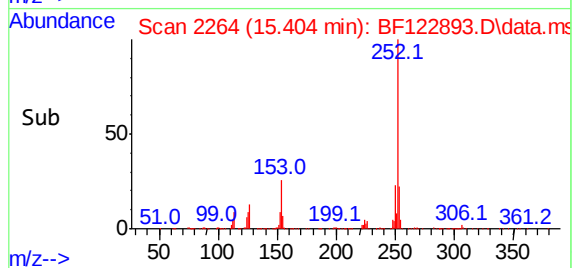
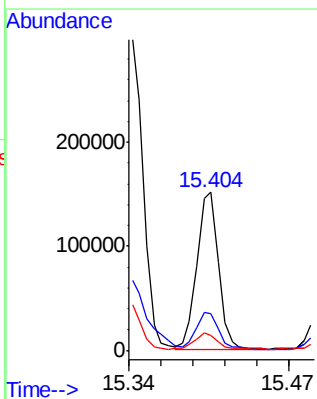
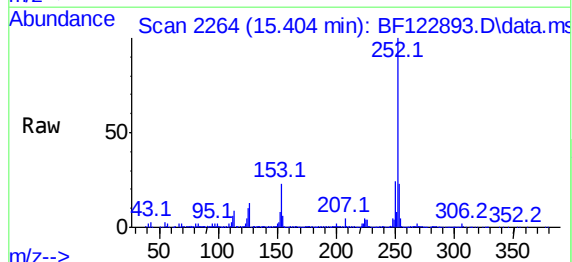
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)DL

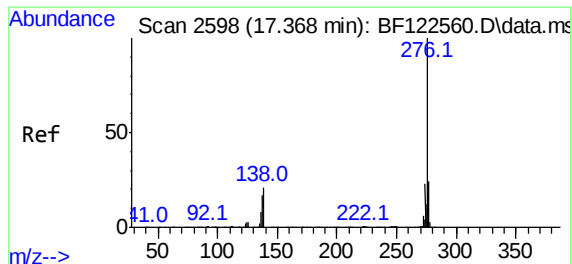
Tgt Ion:252 Resp: 1046162
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.7 8.4 12.6



#90
Benzo(a)pyrene
Concen: 8.46 ng
RT: 15.404 min Scan# 2264
Delta R.T. 0.023 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

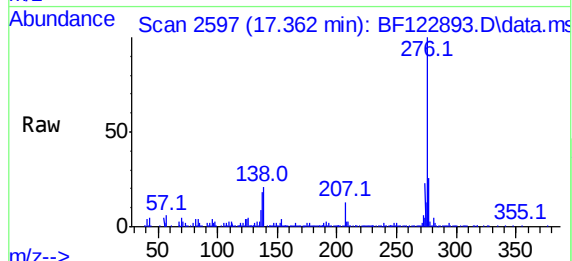
Tgt Ion:252 Resp: 187594
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 9.8 8.6 12.8





#92
Benzo(g,h,i)perylene
Concen: 6.74 ng
RT: 17.362 min Scan# 2597
Delta R.T. 0.035 min
Lab File: BF122893.D
Acq: 30 Dec 2020 22:42

Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)DL



Tgt Ion:276 Resp: 126553
Ion Ratio Lower Upper
276 100
277 26.2 19.3 28.9
138 21.0 16.6 24.8

