

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
 Data File : BF122892.D
 Acq On : 30 Dec 2020 22:11
 Operator : JU/CG
 Sample : L5242-13DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-7(434+26)DL

Quant Time: Dec 31 01:00:07 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)

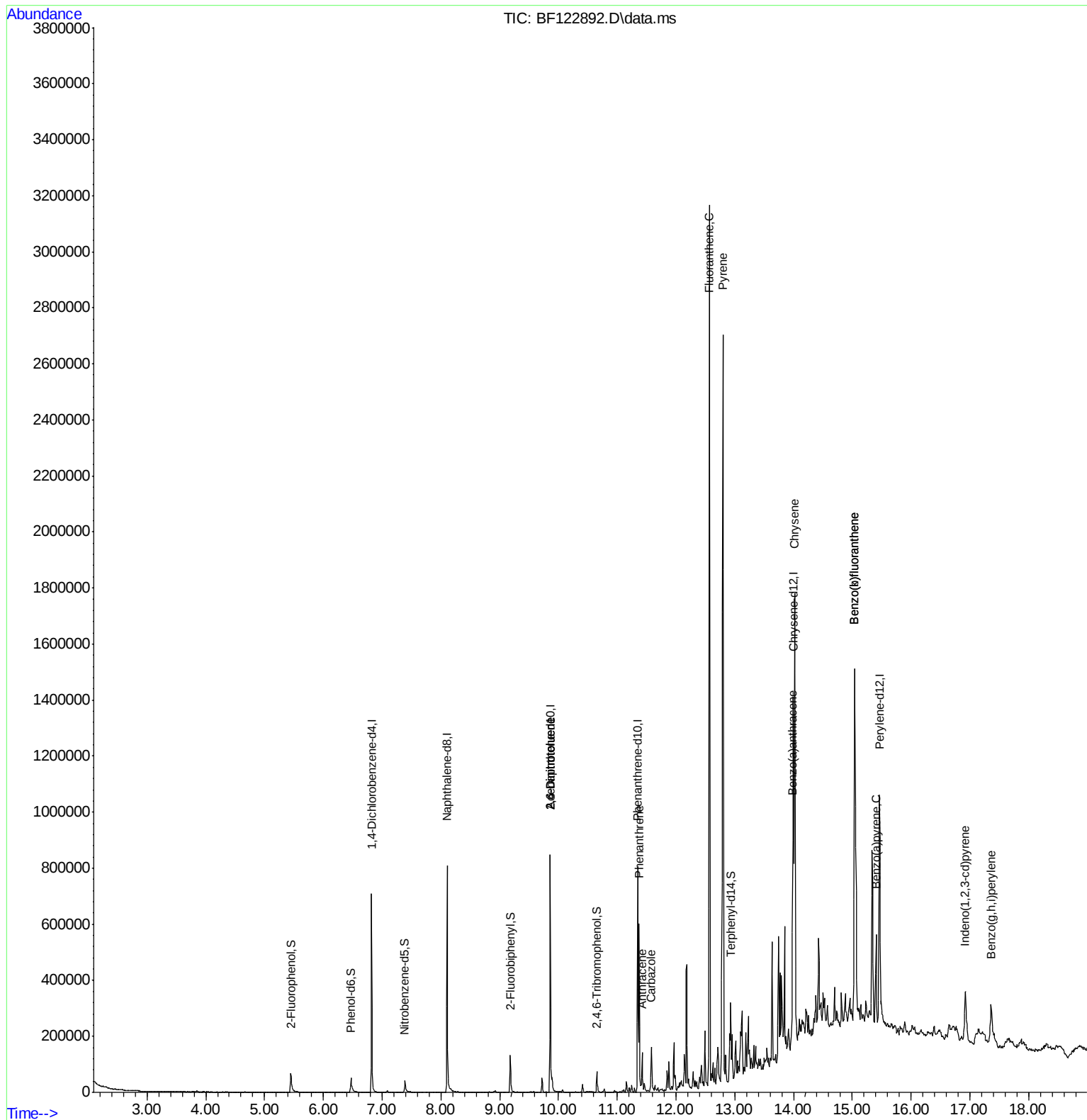
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	110669	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	403923	20.00	ng	0.00
39) Acenaphthene-d10	9.863	164	196147	20.00	ng	0.00
64) Phenanthrene-d10	11.351	188	342030	20.00	ng	0.00
76) Chrysene-d12	13.998	240	356609	20.00	ng	0.01
86) Perylene-d12	15.463	264	378961	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	37999	5.44	ng	0.01
7) Phenol-d6	6.469	99	40606	4.38	ng	0.01
23) Nitrobenzene-d5	7.387	82	23507	2.92	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	12557	4.89	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	55634	3.84	ng	0.00
79) Terphenyl-d14	12.933	244	74726	3.67	ng	0.00
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	9.863	165	25371	7.67	ng	# 30
57) 2,4-Dinitrotoluene	9.863	165	25372	5.76	ng	# 25
71) Phenanthrene	11.375	178	225873	11.11	ng	98
72) Anthracene	11.428	178	56736	2.81	ng	97
73) Carbazole	11.580	167	75969	4.16	ng	97
75) Fluoranthene	12.569	202	1314751	61.68	ng	100
78) Pyrene	12.798	202	1121566	40.68	ng	99
81) Benzo(a)anthracene	13.986	228	226421	9.50	ng	97
83) Chrysene	14.021	228	691812	29.17	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	123240	4.95	ng	96
88) Benzo(b)fluoranthene	15.039	252	897538	33.76	ng	99
89) Benzo(k)fluoranthene	15.039	252	897538	36.92	ng	100
90) Benzo(a)pyrene	15.404	252	161920	6.96	ng	96
92) Benzo(g,h,i)perylene	17.362	276	100086	5.08	ng	100

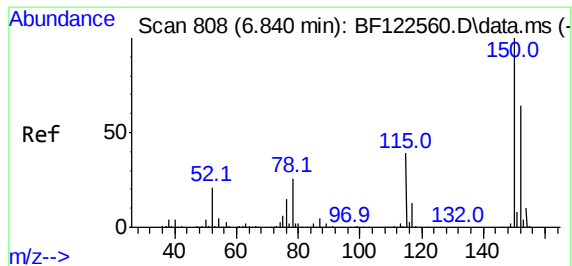
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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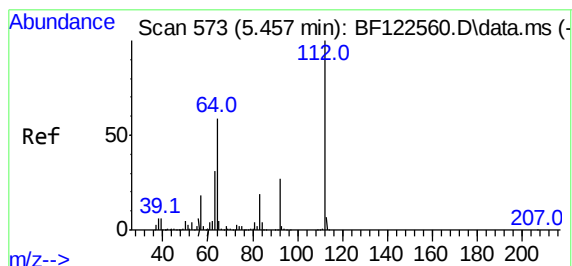
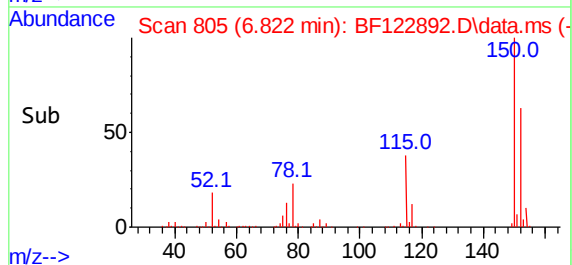
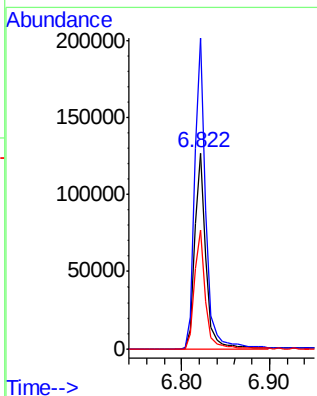
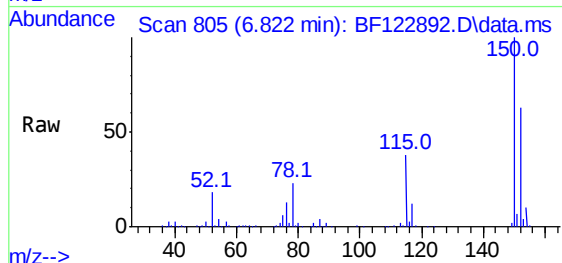




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

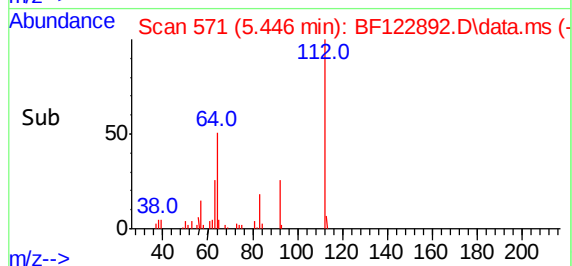
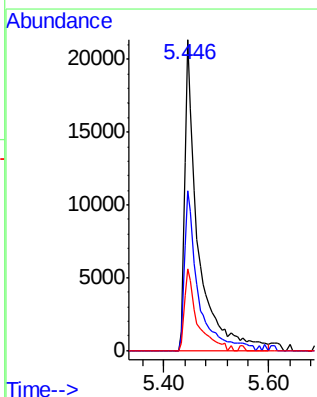
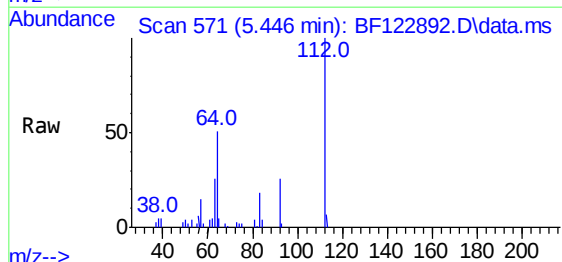
Instrument :
BNA_F
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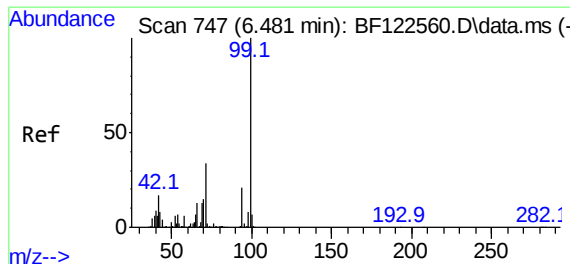
Tgt Ion:152 Resp: 110669
Ion Ratio Lower Upper
152 100
150 158.9 125.8 188.6
115 60.9 49.3 73.9



#5
2-Fluorophenol
Concen: 5.44 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.012 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Tgt Ion:112 Resp: 37999
Ion Ratio Lower Upper
112 100
64 51.3 46.9 70.3
63 26.1 24.5 36.7

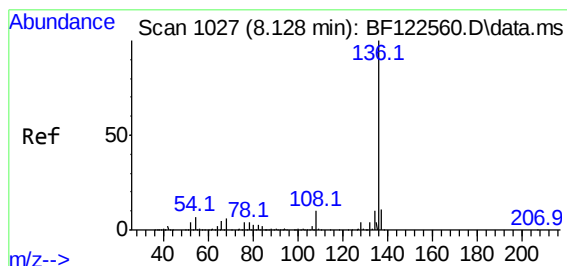
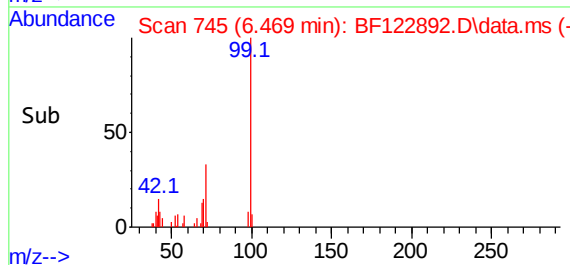
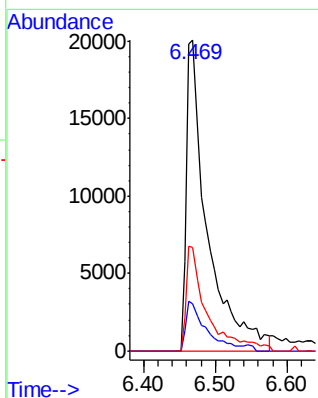
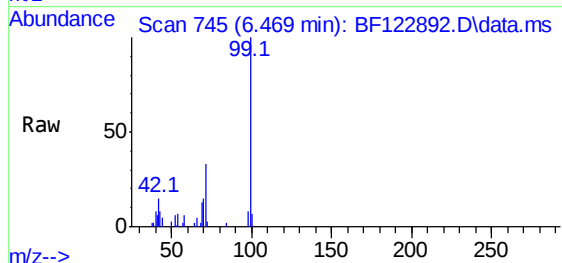




#7
Phenol-d6
Concen: 4.38 ng
RT: 6.469 min Scan# 745
Delta R.T. 0.012 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

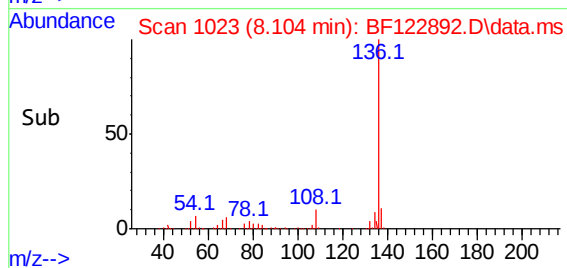
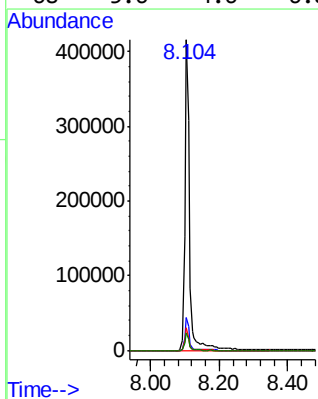
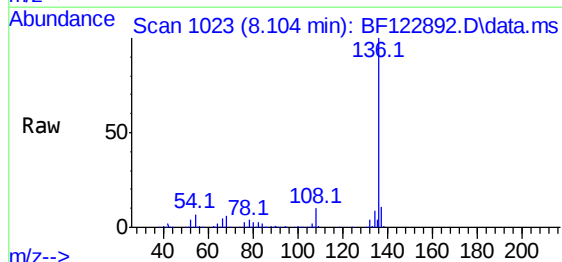
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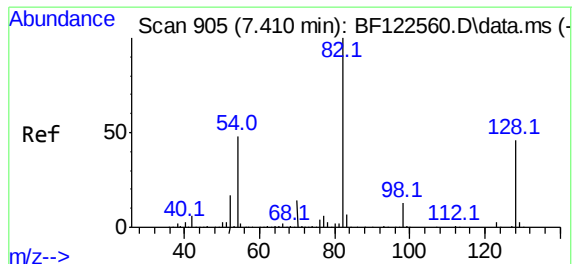
Tgt Ion: 99 Resp: 40606
Ion Ratio Lower Upper
99 100
42 14.9 13.8 20.6
71 33.2 26.9 40.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Tgt Ion:136 Resp: 403923
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.1 5.5 8.3
68 5.6 4.6 6.8

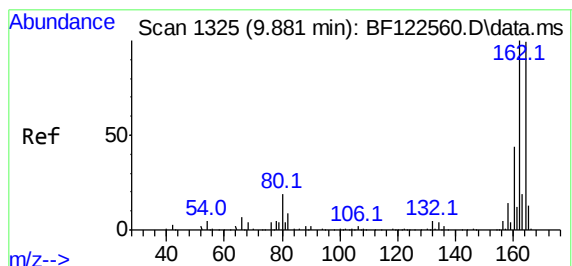
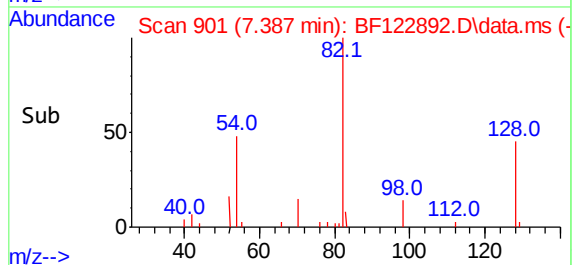
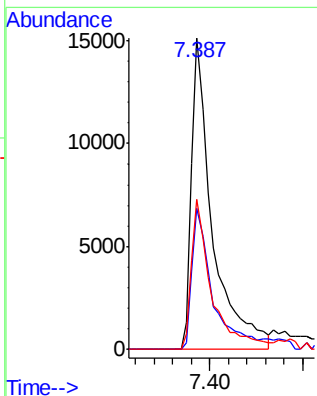
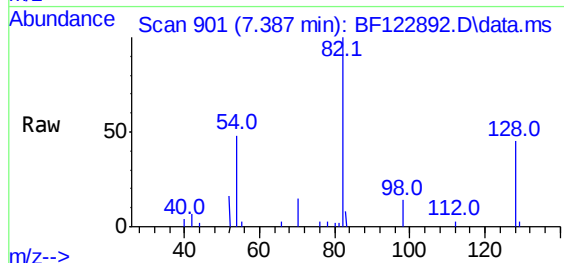




#23
Nitrobenzene-d5
Concen: 2.92 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

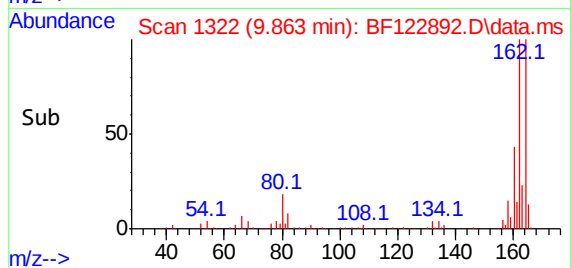
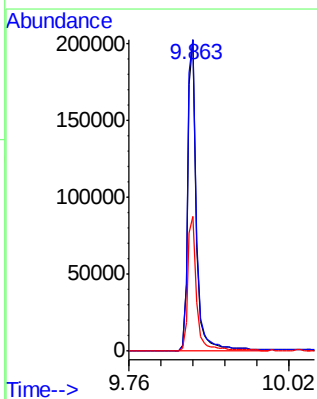
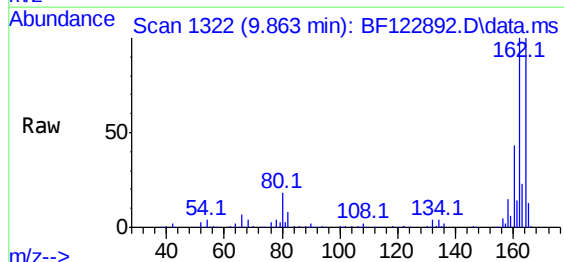
Instrument :
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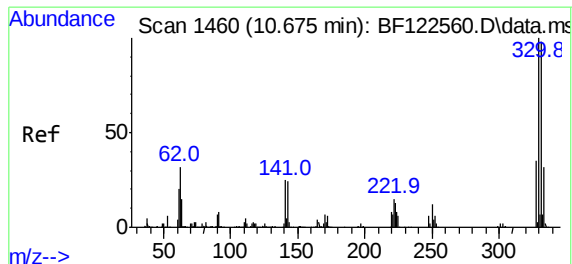
Tgt Ion: 82 Resp: 23507
Ion Ratio Lower Upper
82 100
128 45.1 37.0 55.4
54 48.3 38.4 57.6



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Tgt Ion:164 Resp: 196147
Ion Ratio Lower Upper
164 100
162 100.0 80.8 121.2
160 43.2 35.4 53.0

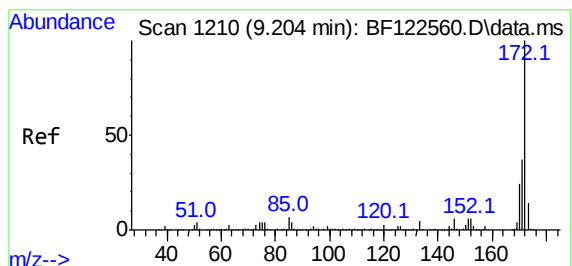
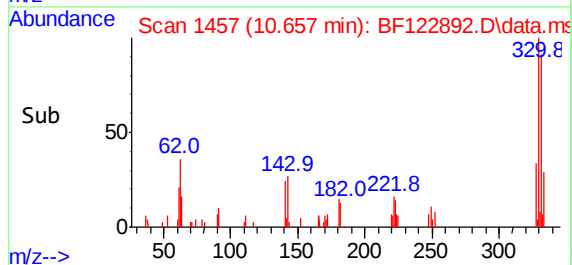
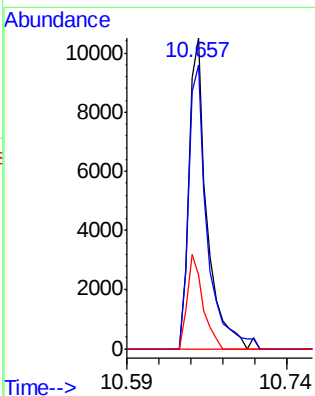
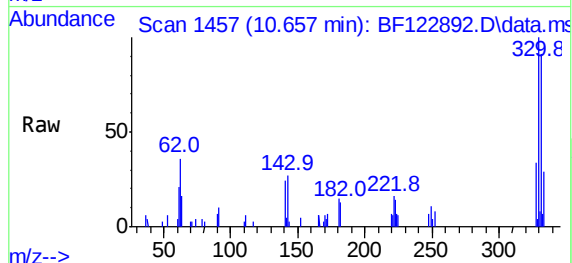




#42
2,4,6-Tribromophenol
Concen: 4.89 ng
RT: 10.657 min Scan# 1457
Delta R.T. 0.006 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

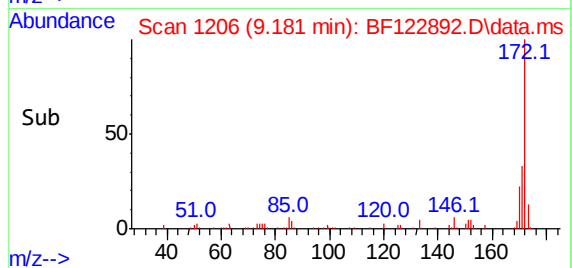
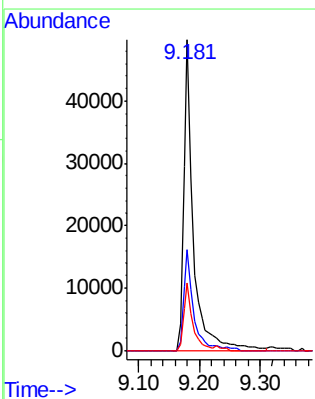
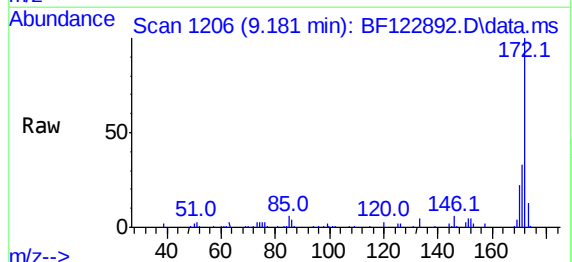
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)DL

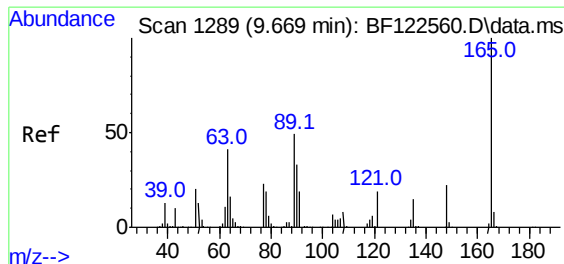
Tgt Ion:330 Resp: 12557
Ion Ratio Lower Upper
330 100
332 94.3 77.5 116.3
141 26.2 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 3.84 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Tgt Ion:172 Resp: 55634
Ion Ratio Lower Upper
172 100
171 32.6 29.6 44.4
170 21.7 19.5 29.3

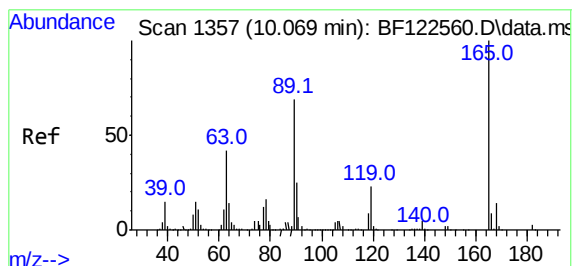
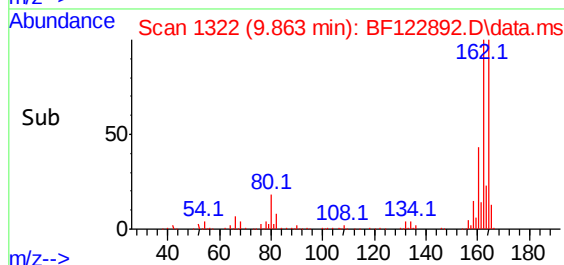
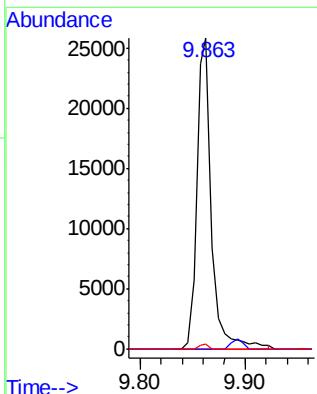
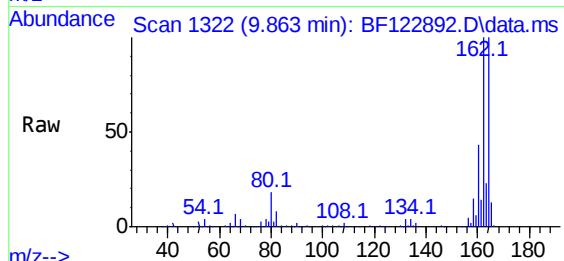




#51
2,6-Dinitrotoluene
Concen: 7.67 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.218 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

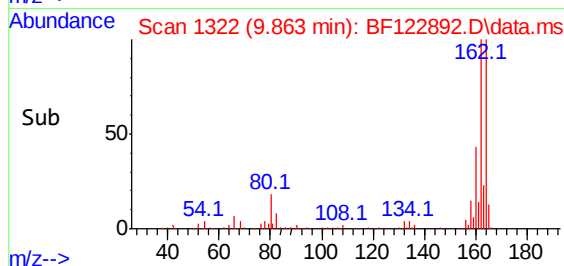
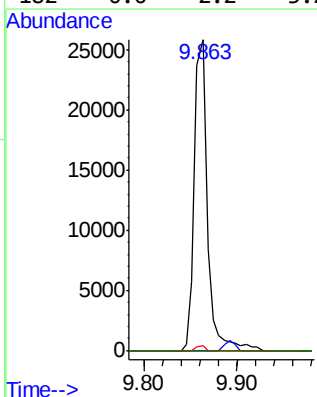
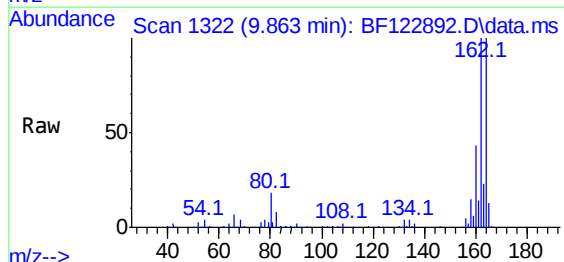
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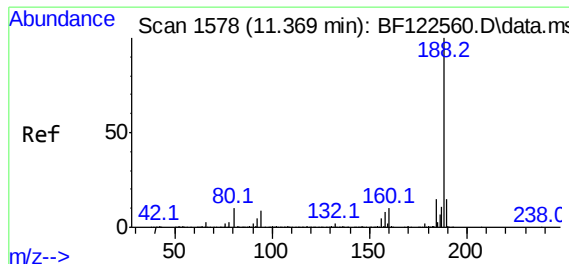
Tgt Ion:165 Resp: 25371
Ion Ratio Lower Upper
165 100
63 0.0 36.6 55.0#
89 1.6 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.76 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.188 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Tgt Ion:165 Resp: 25372
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#



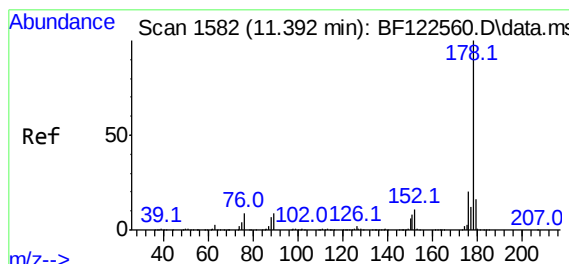
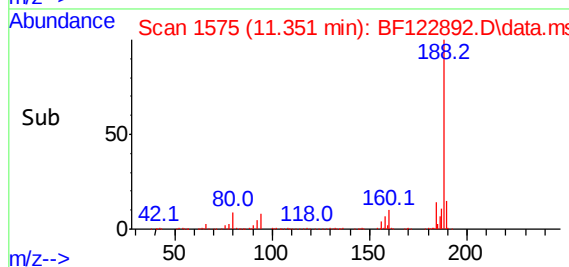
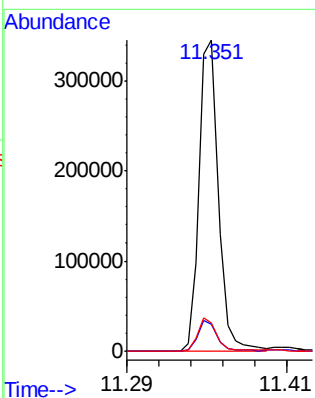
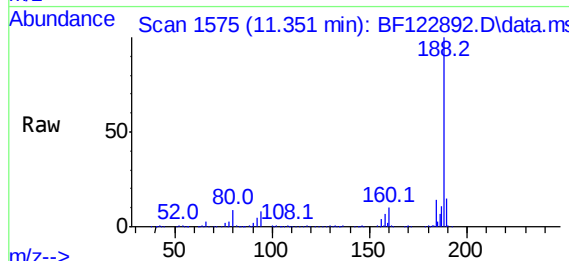


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

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ClientSampleId :
SAMPLE-7(434+26)DL

Tgt Ion:188 Resp: 342030

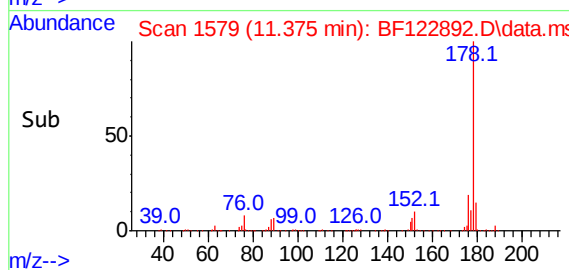
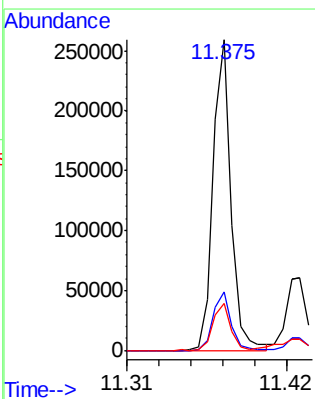
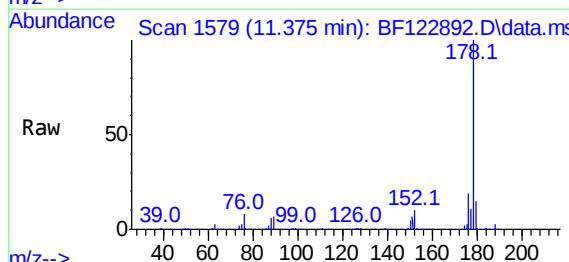
Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.4	11.2
80	9.1	8.2	12.4

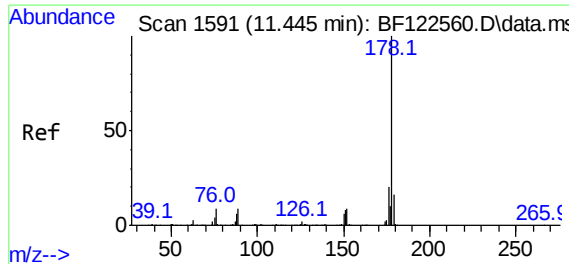


#71
Phenanthrene
Concen: 11.11 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Tgt Ion:178 Resp: 225873

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.2
179	15.2	12.7	19.1

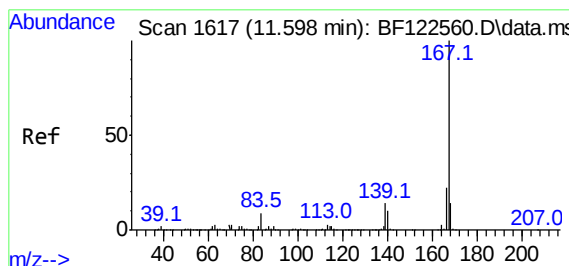
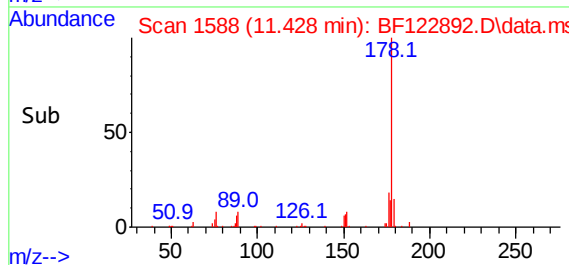
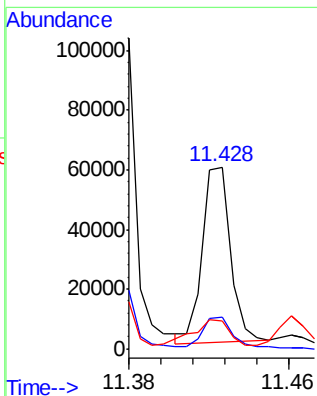
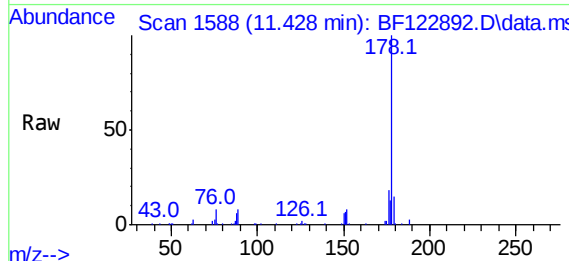




#72
 Anthracene
 Concen: 2.81 ng
 RT: 11.428 min Scan# 1588
 Delta R.T. 0.006 min
 Lab File: BF122892.D
 Acq: 30 Dec 2020 22:11

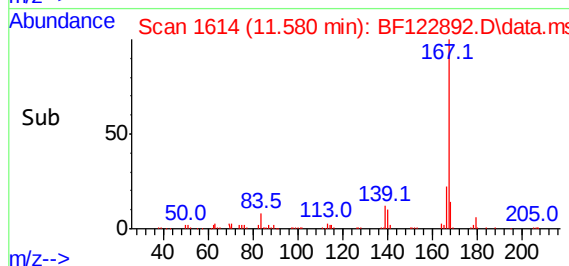
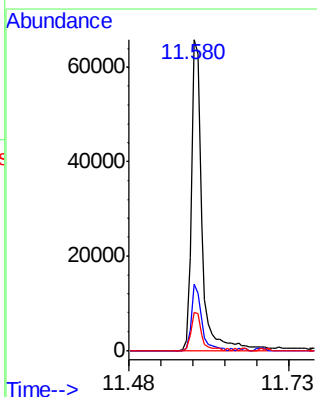
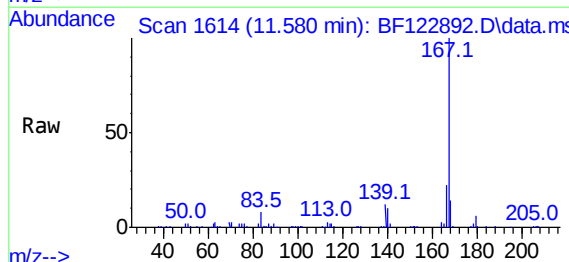
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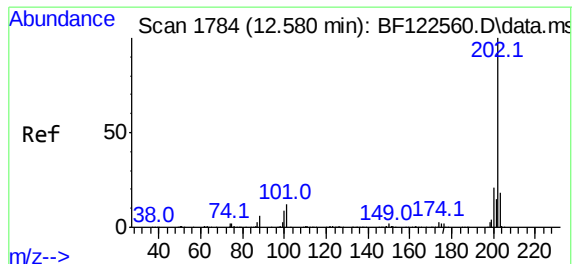
Tgt Ion:178 Resp: 56736
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.6 23.4
 179 15.2 12.8 19.2



#73
 Carbazole
 Concen: 4.16 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. 0.006 min
 Lab File: BF122892.D
 Acq: 30 Dec 2020 22:11

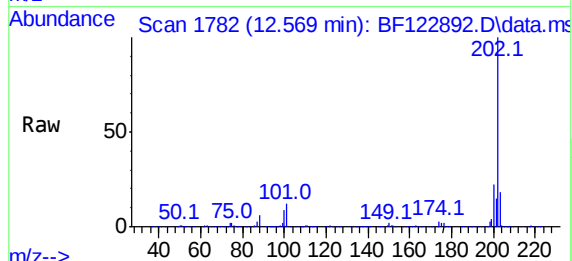
Tgt Ion:167 Resp: 75969
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.0 27.0
 139 12.2 10.9 16.3





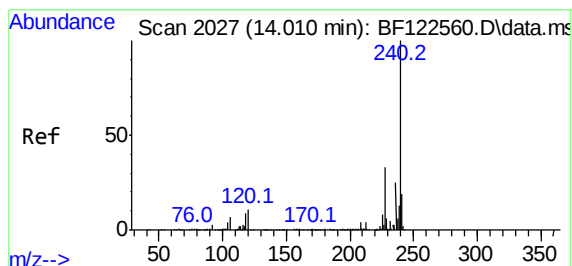
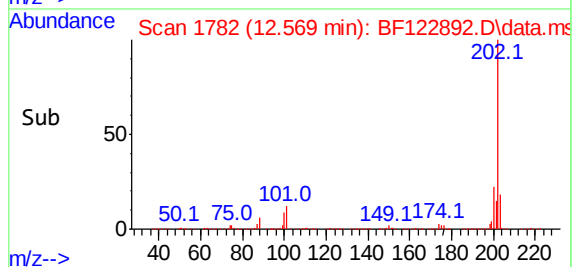
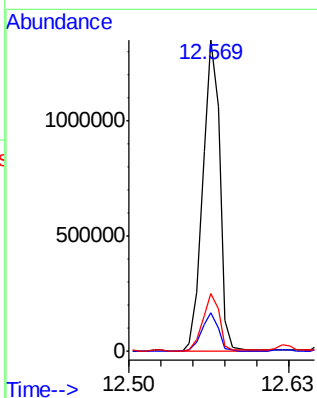
#75
Fluoranthene
Concen: 61.68 ng
RT: 12.569 min Scan# 1782
Delta R.T. 0.012 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)DL



Tgt Ion:202 Resp: 1314751

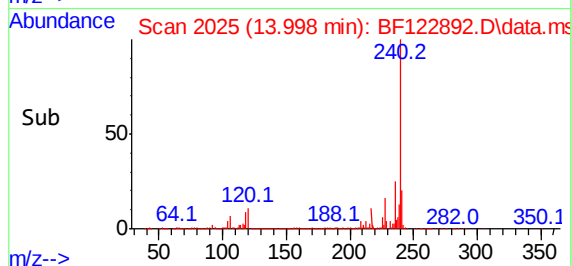
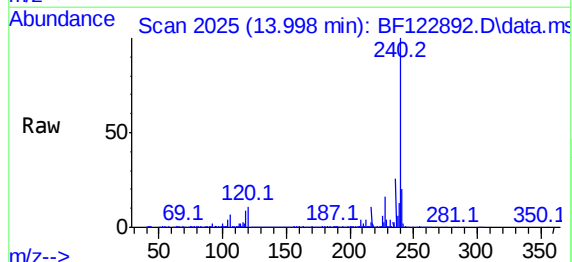
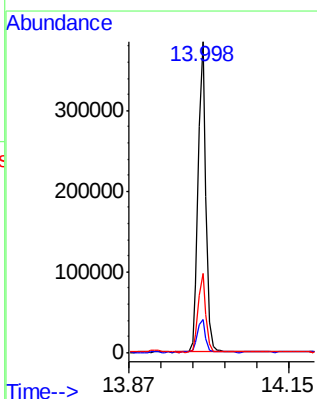
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.2
203	18.2	0.0	38.1

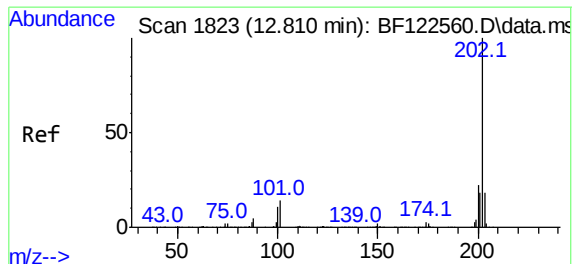


#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.012 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Tgt Ion:240 Resp: 356609

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.6	12.8
236	25.5	20.3	30.5

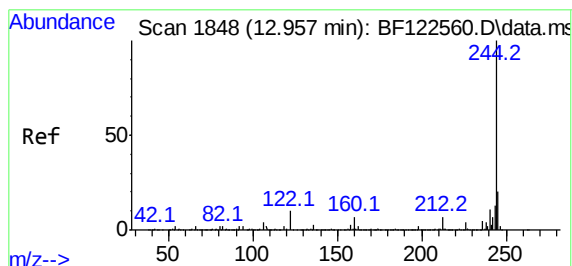
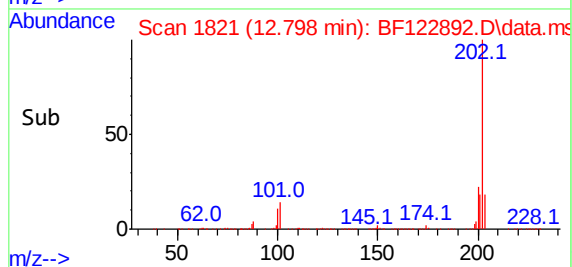
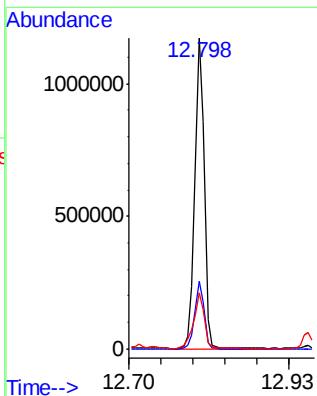
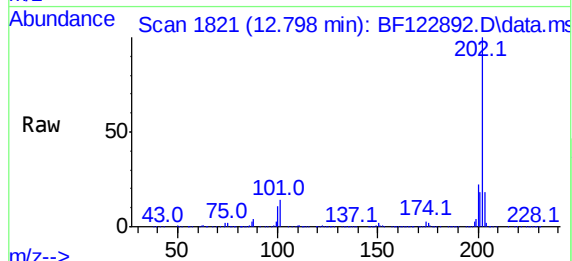




#78
Pyrene
Concen: 40.68 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.012 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

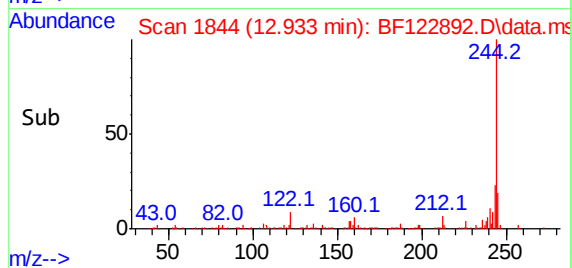
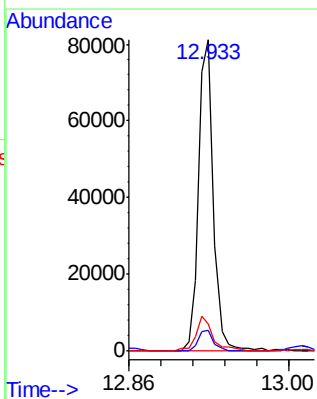
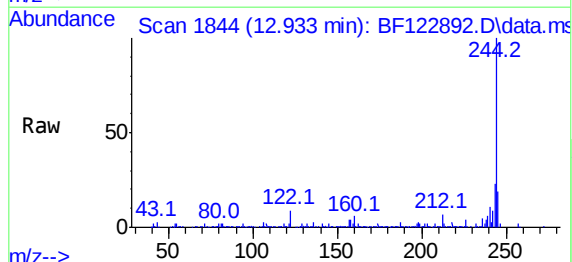
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)DL

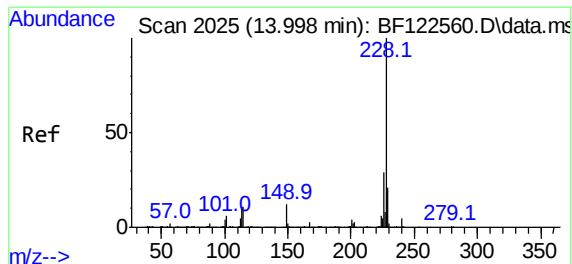
Tgt Ion:202 Resp: 1121566
Ion Ratio Lower Upper
202 100
200 21.7 17.6 26.4
203 17.9 14.6 21.8



#79
Terphenyl-d14
Concen: 3.67 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Tgt Ion:244 Resp: 74726
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 8.7 8.3 12.5

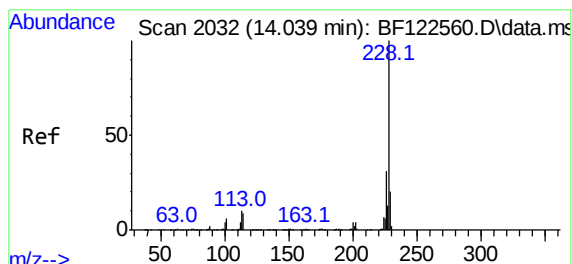
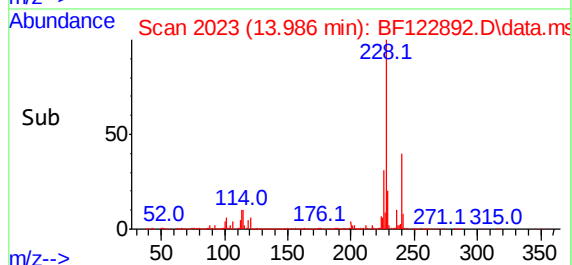
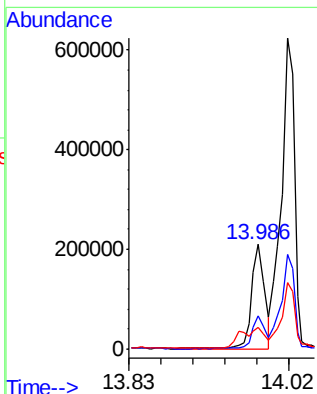
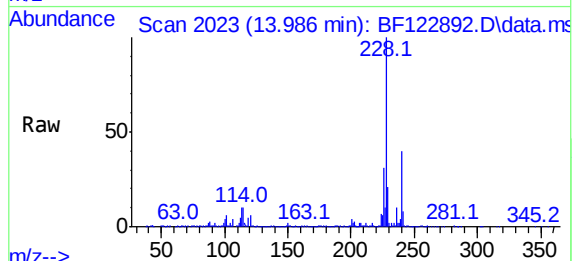




#81
Benzo(a)anthracene
Concen: 9.50 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.012 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

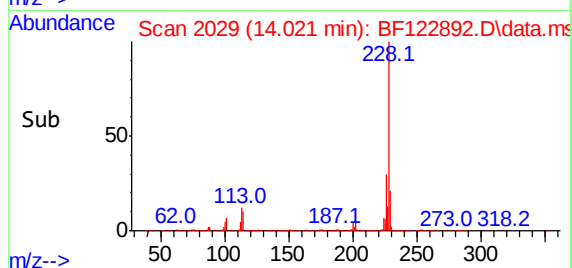
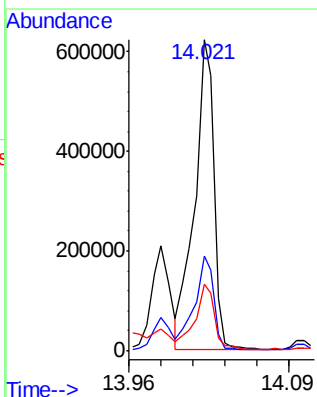
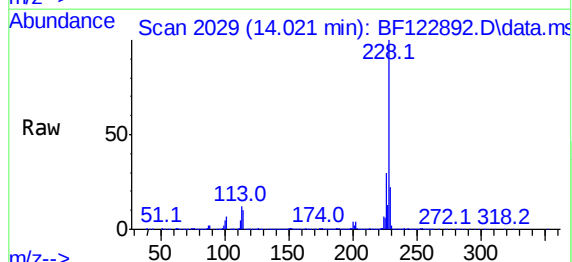
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)DL

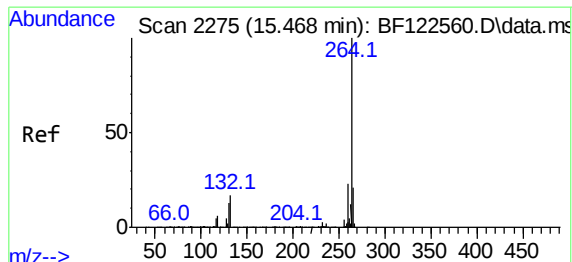
Tgt Ion:228 Resp: 226421
Ion Ratio Lower Upper
228 100
226 31.2 23.0 34.4
229 20.6 16.6 24.8



#83
Chrysene
Concen: 29.17 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Tgt Ion:228 Resp: 691812
Ion Ratio Lower Upper
228 100
226 30.2 24.6 36.8
229 21.5 15.8 23.6

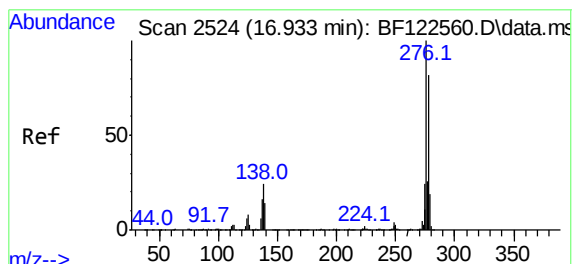
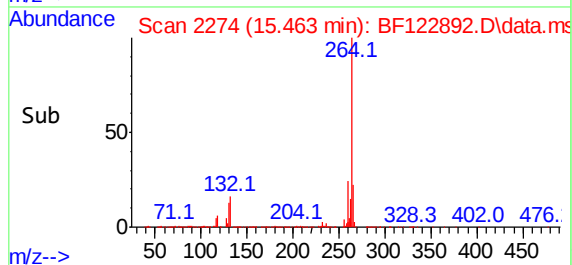
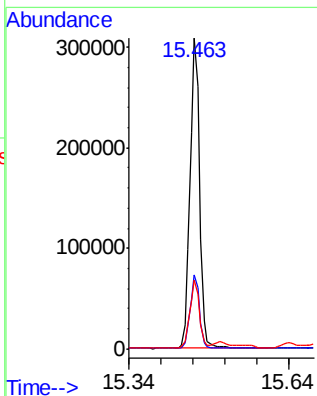
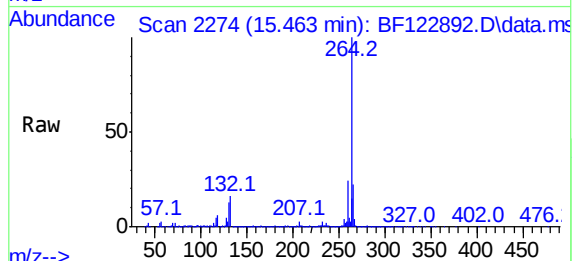




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.463 min Scan# 2274
Delta R.T. 0.023 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

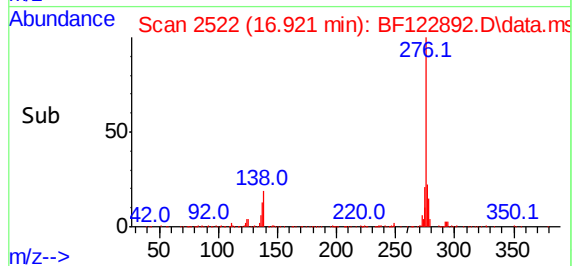
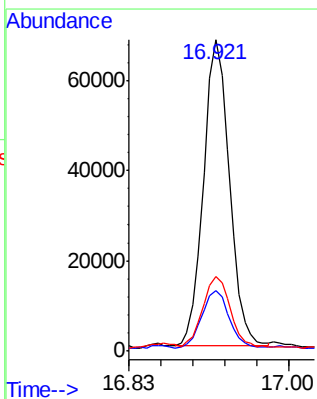
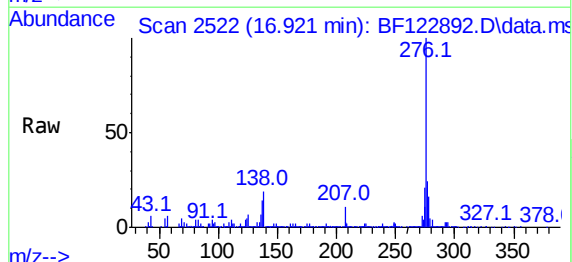
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)DL

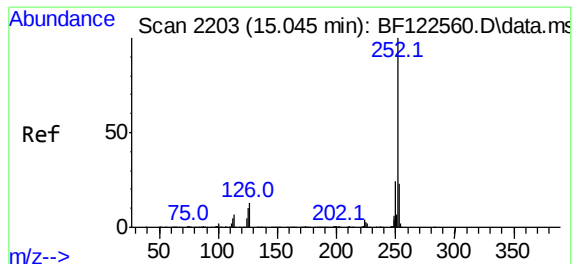
Tgt Ion:264 Resp: 378961
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 22.3 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.95 ng
RT: 16.921 min Scan# 2522
Delta R.T. 0.029 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Tgt Ion:276 Resp: 123240
Ion Ratio Lower Upper
276 100
138 19.8 18.7 28.1
277 24.8 20.2 30.4

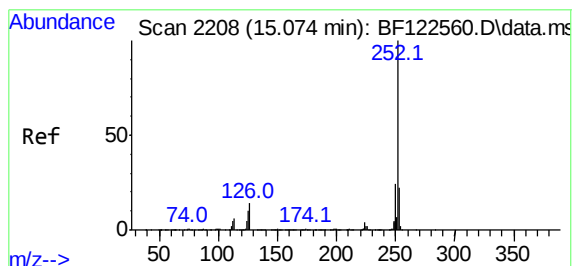
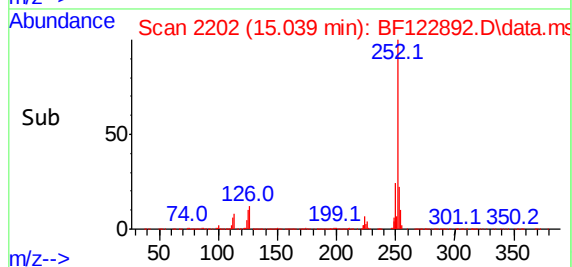
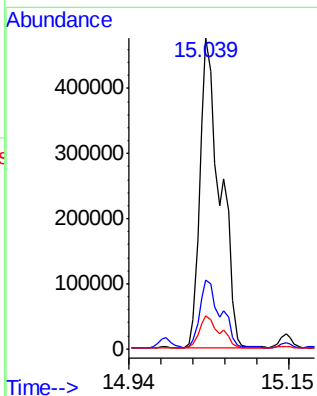
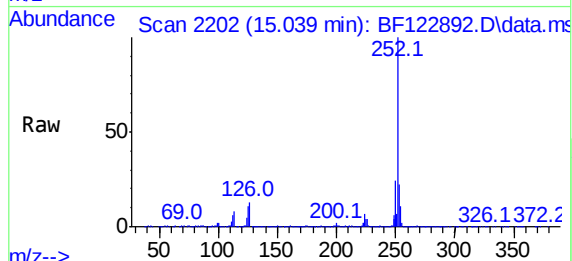




#88
Benzo(b)fluoranthene
Concen: 33.76 ng
RT: 15.039 min Scan# 2202
Delta R.T. 0.018 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

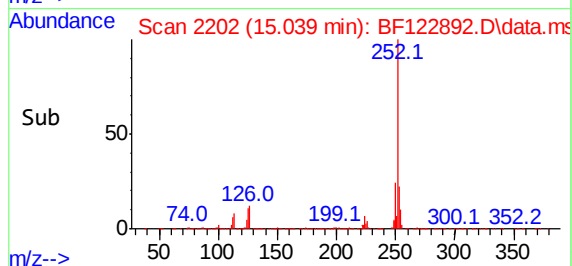
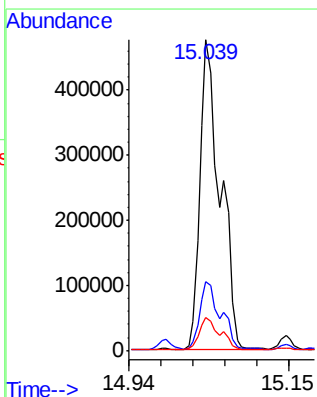
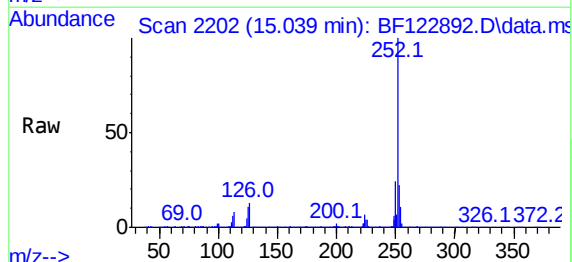
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)DL

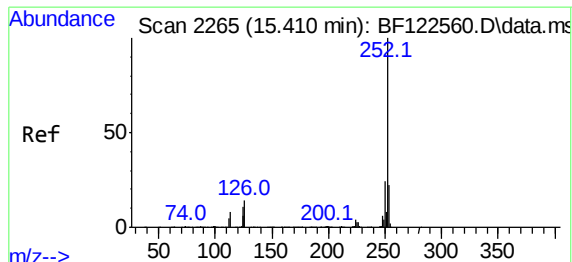
Tgt Ion:252 Resp: 897538
Ion Ratio Lower Upper
252 100
253 22.3 18.3 27.5
125 10.8 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 36.92 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.012 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Tgt Ion:252 Resp: 897538
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 10.8 8.4 12.6

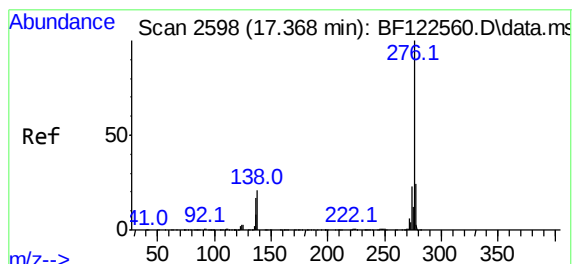
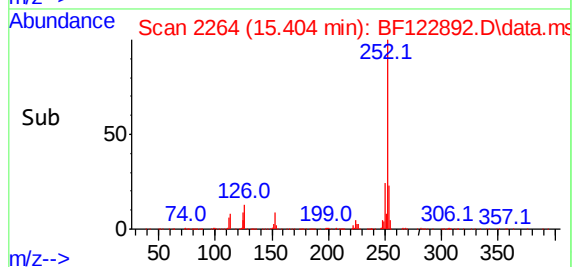
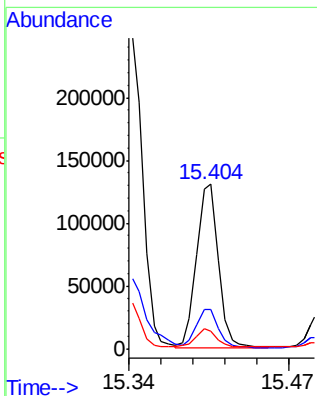
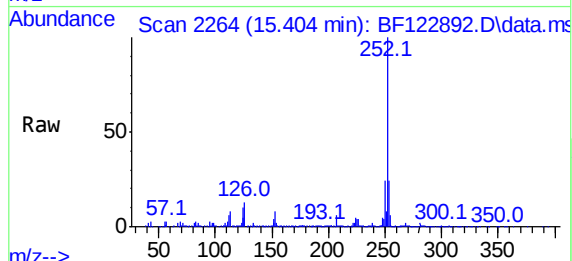




#90
Benzo(a)pyrene
Concen: 6.96 ng
RT: 15.404 min Scan# 2264
Delta R.T. 0.023 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)DL

Tgt Ion:252 Resp: 161920
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 10.3 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 5.08 ng
RT: 17.362 min Scan# 2597
Delta R.T. 0.035 min
Lab File: BF122892.D
Acq: 30 Dec 2020 22:11

Tgt Ion:276 Resp: 100086
Ion Ratio Lower Upper
276 100
277 24.3 19.3 28.9
138 21.0 16.6 24.8

