

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
 Data File : BF122887.D
 Acq On : 30 Dec 2020 19:35
 Operator : JU/CG
 Sample : L5242-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Dec 31 00:56:49 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)

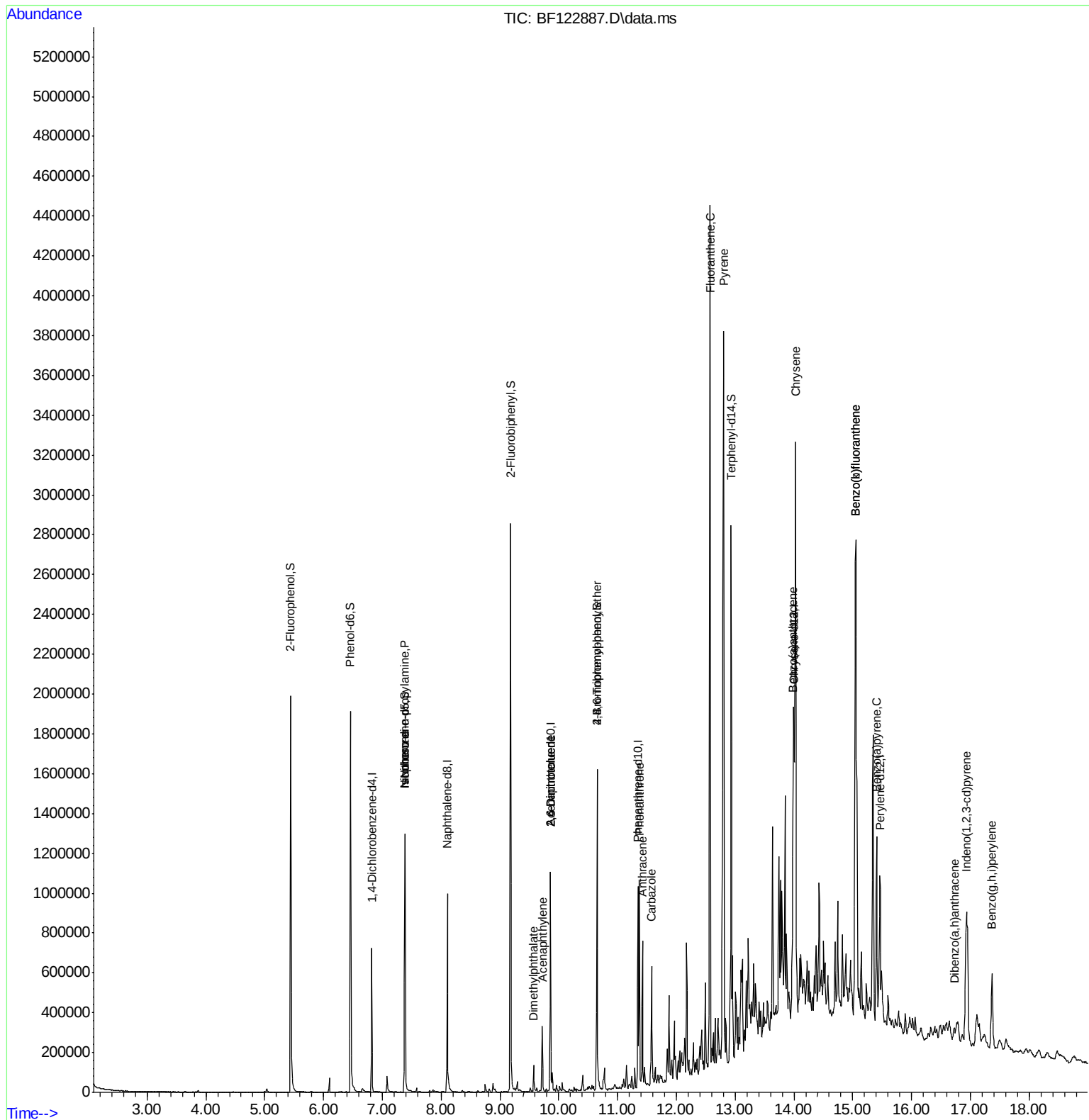
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	119277	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	453946	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	226418	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	362852	20.00	ng	0.00
76) Chrysene-d12	13.998	240	291456	20.00	ng	0.01
86) Perylene-d12	15.462	264	340421	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	640109	84.96	ng	0.00
7) Phenol-d6	6.457	99	741194	74.18	ng	0.00
23) Nitrobenzene-d5	7.381	82	467931	51.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	220394	74.36	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	899767	53.75	ng	0.00
79) Terphenyl-d14	12.933	244	823038	49.43	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	61648	10.77	ng	# 78
25) Isophorone	7.381	82	467928	29.99	ng	# 65
49) Acenaphthylene	9.722	152	146218	6.36	ng	98
50) Dimethylphthalate	9.575	163	57324	3.17	ng	99
51) 2,6-Dinitrotoluene	9.857	165	29072	7.61	ng	# 32
57) 2,4-Dinitrotoluene	9.857	165	29072	5.71	ng	# 26
67) 4-Bromophenyl-phenylether	10.651	248	13675	2.78	ng	# 1
71) Phenanthrene	11.369	178	365213	16.94	ng	98
72) Anthracene	11.422	178	257190	12.03	ng	98
73) Carbazole	11.580	167	241165	12.44	ng	98
75) Fluoranthene	12.574	202	2016246	89.16	ng	98
78) Pyrene	12.804	202	1774588	78.75	ng	100
81) Benzo(a)anthracene	13.986	228	556283	28.56	ng	96
83) Chrysene	14.027	228	1280759	66.07	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	365193	16.34	ng	97
88) Benzo(b)fluoranthene	15.045	252	1996061	83.57	ng	99
89) Benzo(k)fluoranthene	15.045	252	1996061	91.40	ng	99
90) Benzo(a)pyrene	15.404	252	385784	18.46	ng	96
91) Dibenzo(a,h)anthracene	16.733	278	57724	3.16	ng	97
92) Benzo(g,h,i)perylene	17.368	276	312331	17.65	ng	99

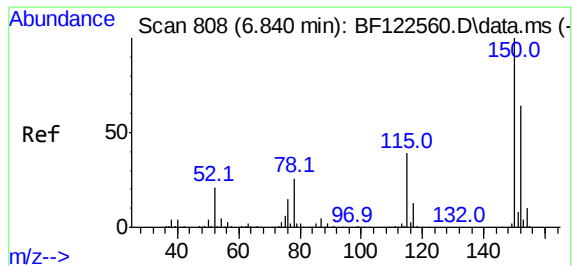
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 31 00:56:49 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
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QLast Update : Tue Dec 15 18:14:23 2020
Response via : Initial Calibration

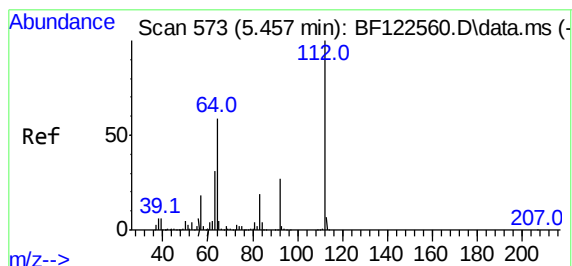
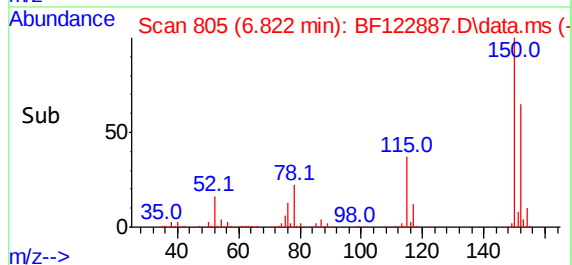
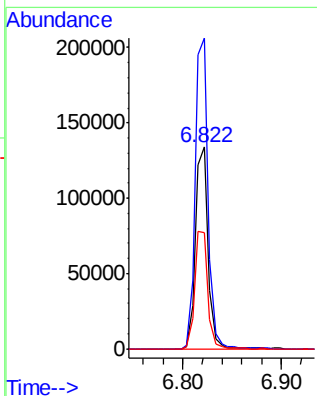
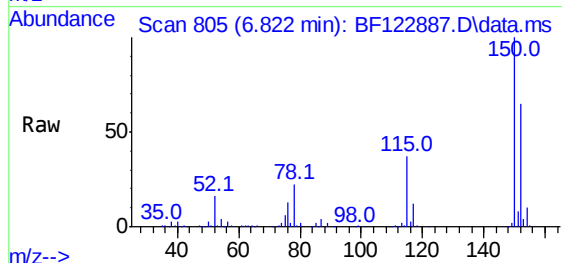




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

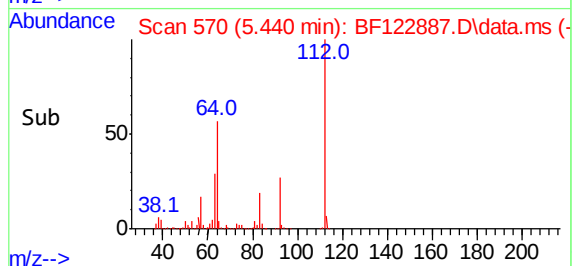
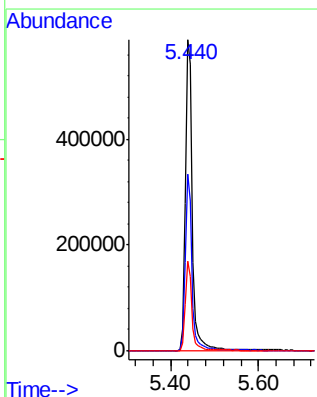
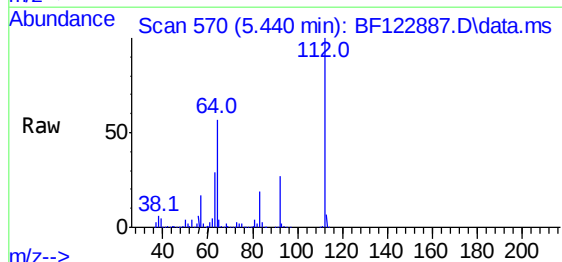
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)

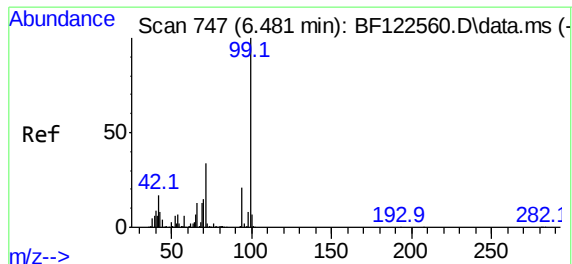
Tgt Ion:152 Resp: 119277
Ion Ratio Lower Upper
152 100
150 154.1 125.8 188.6
115 57.6 49.3 73.9



#5
2-Fluorophenol
Concen: 84.96 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion:112 Resp: 640109
Ion Ratio Lower Upper
112 100
64 56.8 46.9 70.3
63 28.7 24.5 36.7

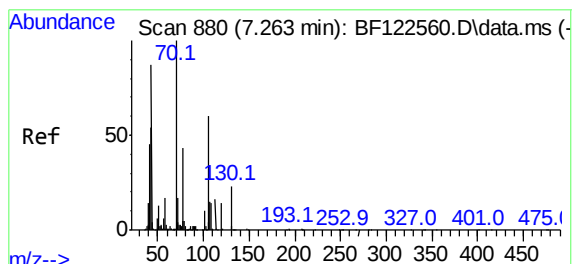
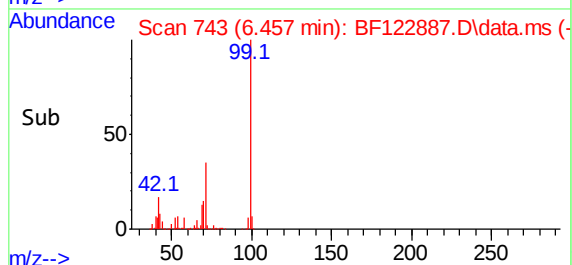
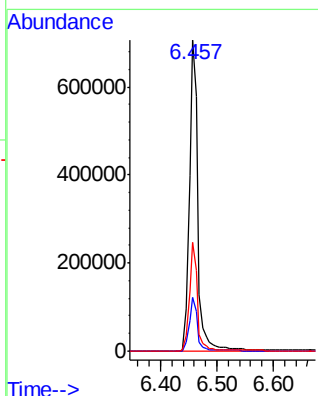
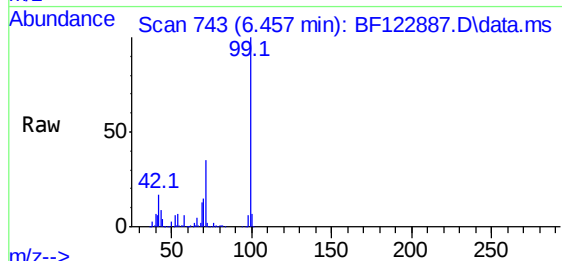




#7
Phenol-d6
Concen: 74.18 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

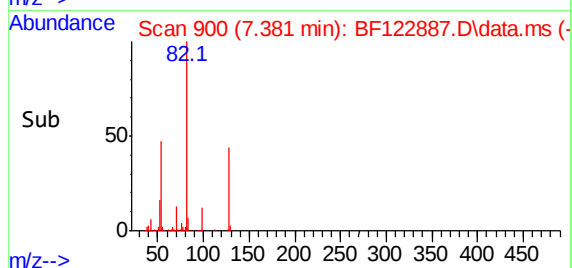
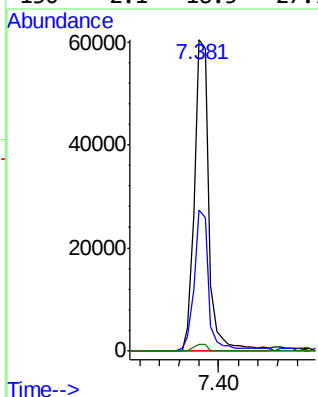
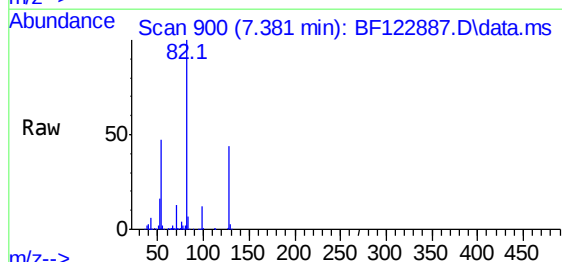
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ClientSampleId :
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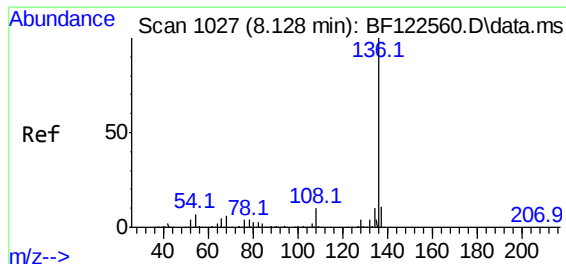
Tgt Ion: 99 Resp: 741194
Ion Ratio Lower Upper
99 100
42 17.2 13.8 20.6
71 35.0 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.77 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion: 70 Resp: 61648
Ion Ratio Lower Upper
70 100
42 45.3 43.0 64.4
101 0.0 7.9 11.9#
130 2.1 18.5 27.7#

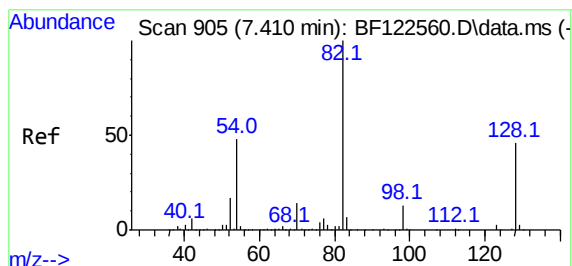
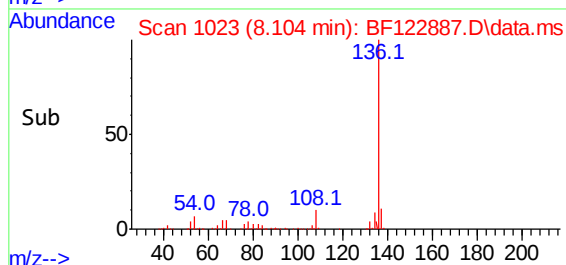
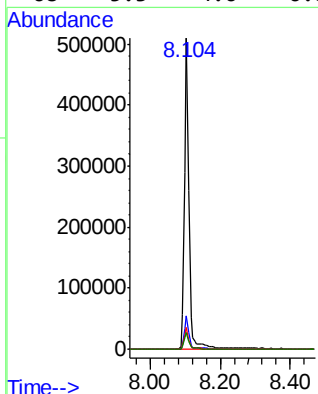
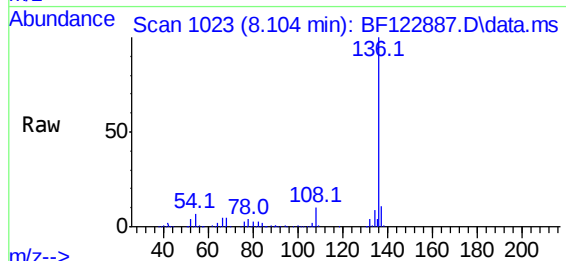




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

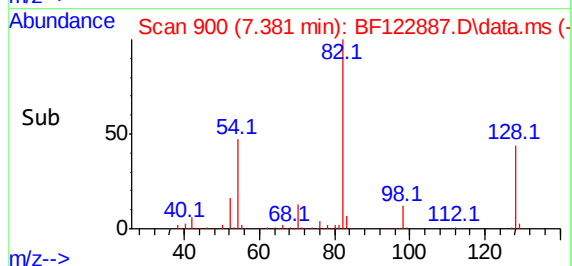
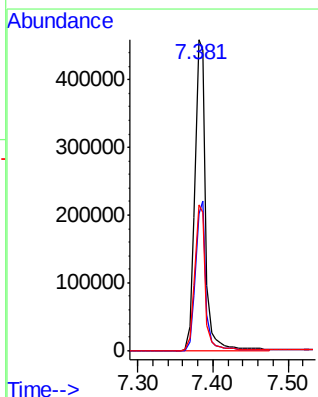
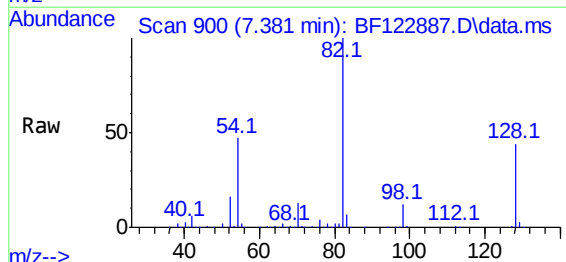
Instrument :
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ClientSampleId :
SAMPLE-4(464+26)

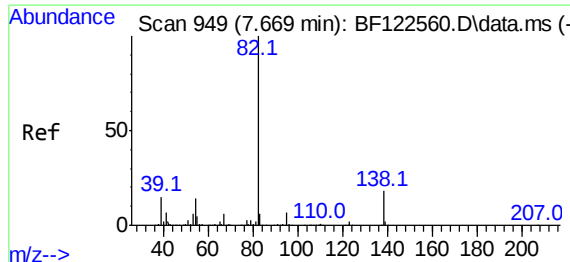
Tgt Ion:136 Resp: 453946
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.9 5.5 8.3
68 5.3 4.6 6.8



#23
Nitrobenzene-d5
Concen: 51.65 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion: 82 Resp: 467931
Ion Ratio Lower Upper
82 100
128 44.2 37.0 55.4
54 47.0 38.4 57.6

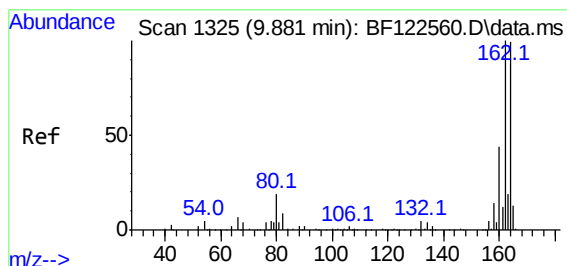
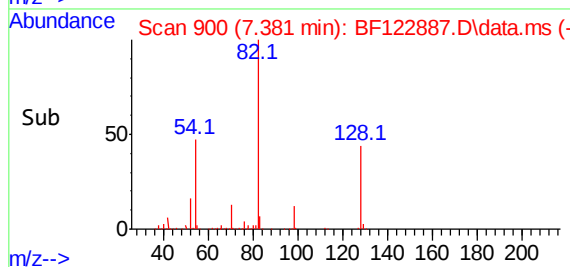
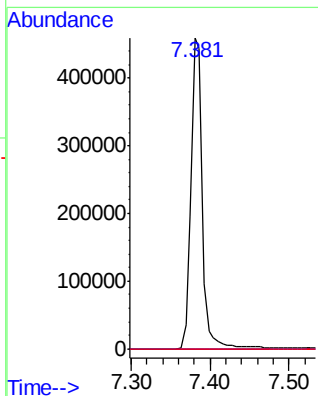
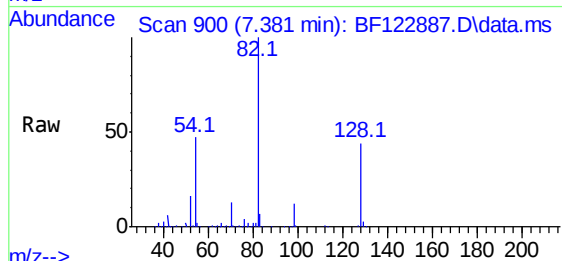




#25
Isophorone
Concen: 29.99 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

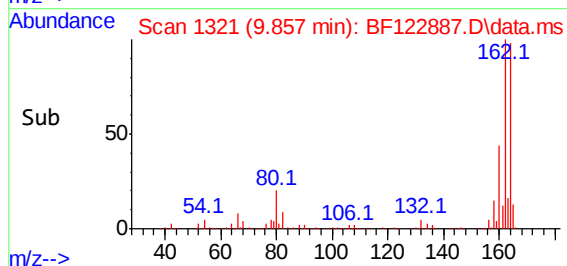
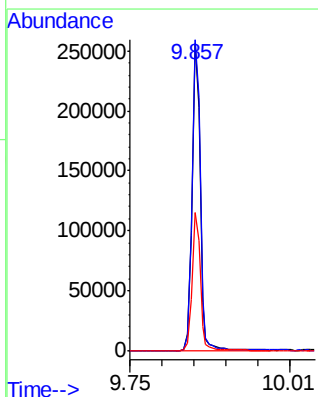
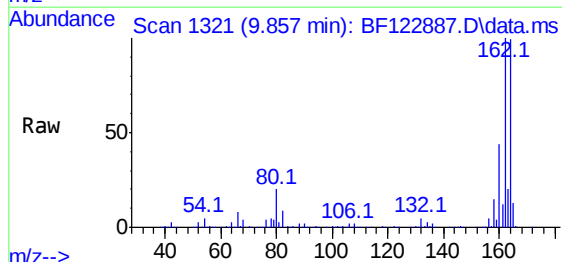
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ClientSampleId :
SAMPLE-4(464+26)

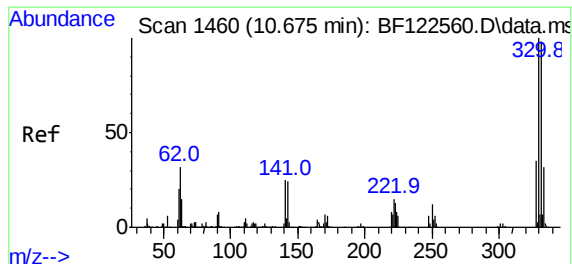
Tgt Ion: 82 Resp: 467928
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion:164 Resp: 226418
Ion Ratio Lower Upper
164 100
162 101.3 80.8 121.2
160 45.0 35.4 53.0

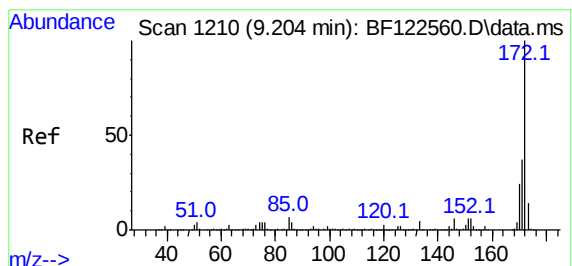
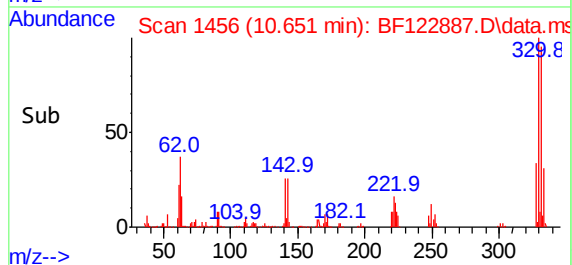
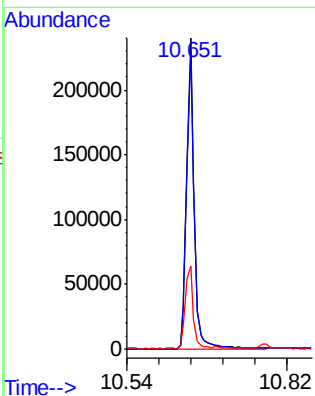
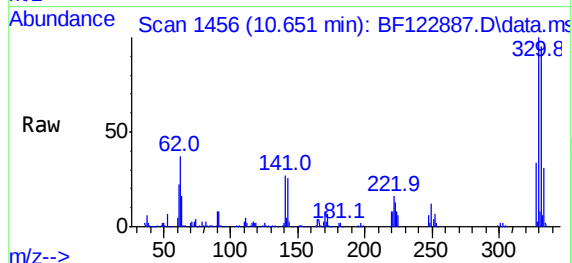




#42
2,4,6-Tribromophenol
Concen: 74.36 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

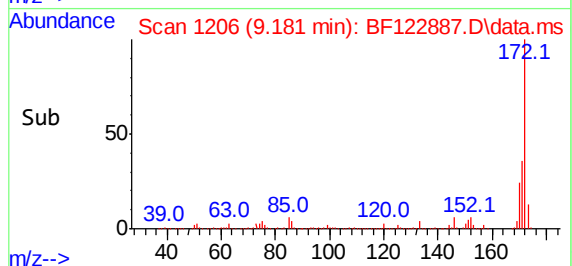
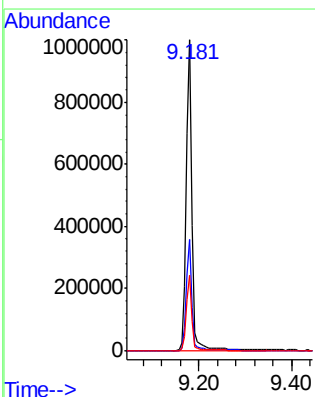
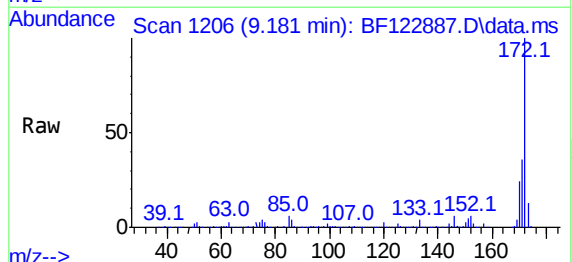
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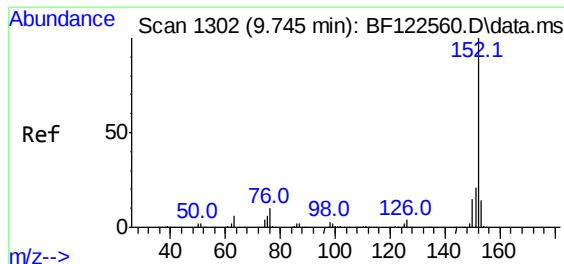
Tgt Ion:330 Resp: 220394
Ion Ratio Lower Upper
330 100
332 97.4 77.5 116.3
141 28.4 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 53.75 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion:172 Resp: 899767
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 24.0 19.5 29.3

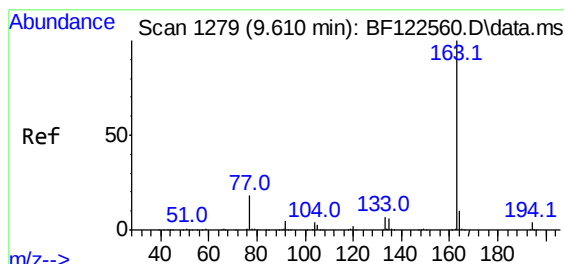
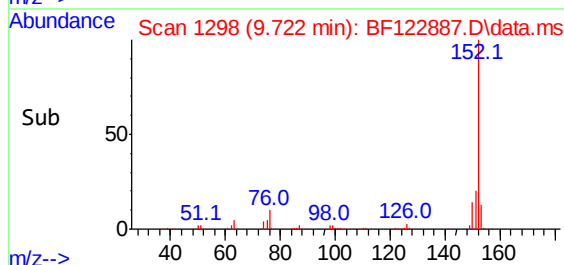
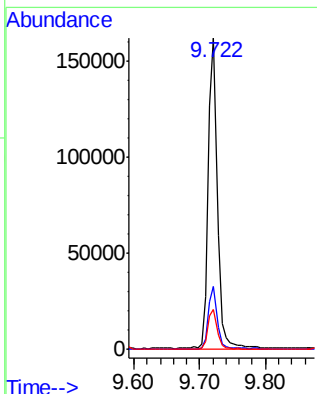
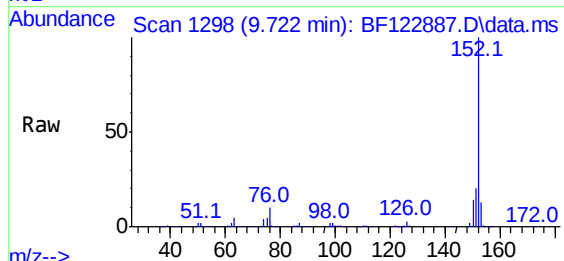




#49
Acenaphthylene
Concen: 6.36 ng
RT: 9.722 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

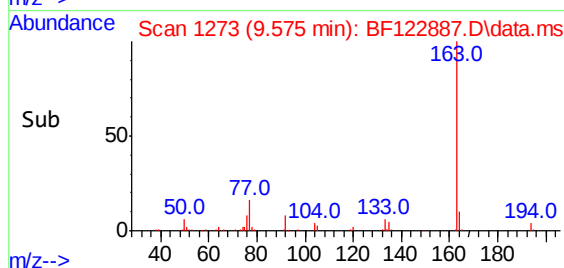
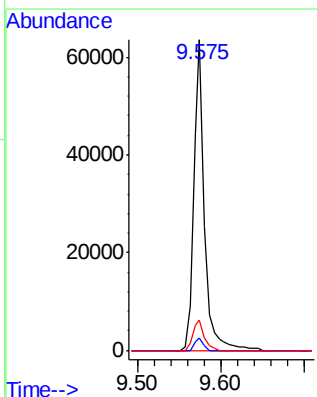
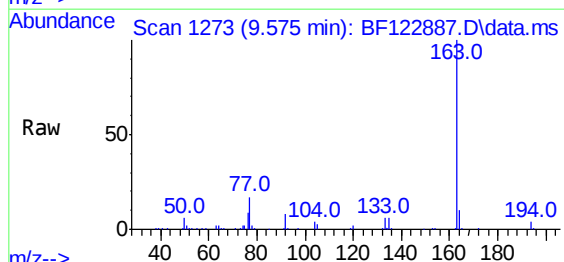
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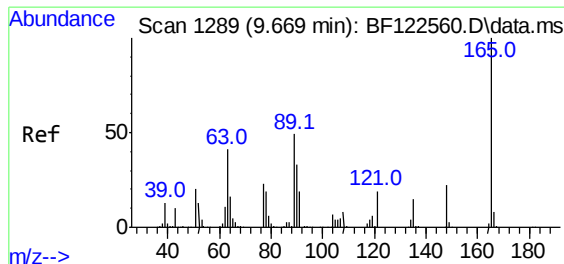
Tgt Ion:152 Resp: 146218
Ion Ratio Lower Upper
152 100
151 19.9 16.6 25.0
153 12.8 10.9 16.3



#50
Dimethylphthalate
Concen: 3.17 ng
RT: 9.575 min Scan# 1273
Delta R.T. -0.012 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion:163 Resp: 57324
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 9.7 8.1 12.1

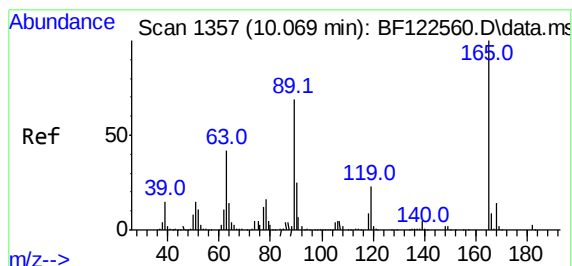
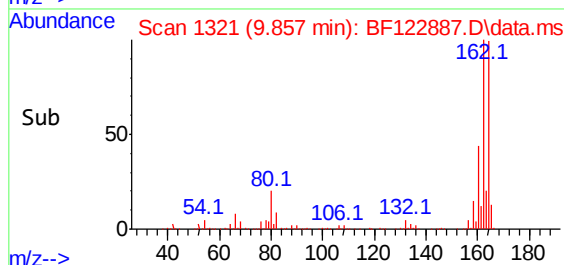
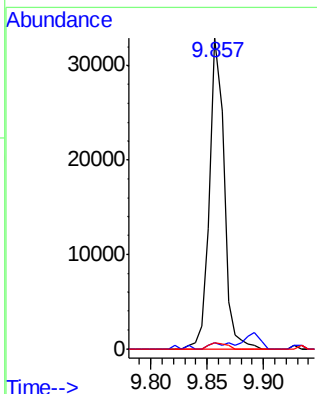
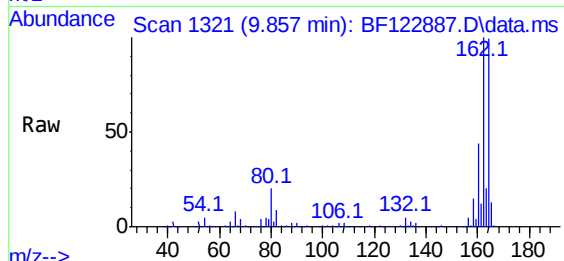




#51
2,6-Dinitrotoluene
Concen: 7.61 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

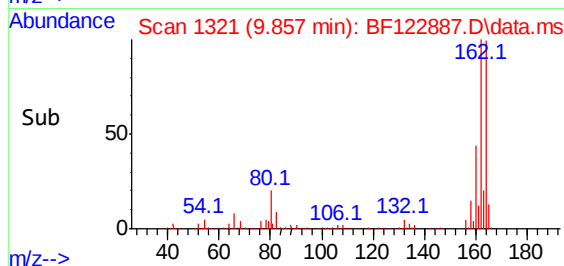
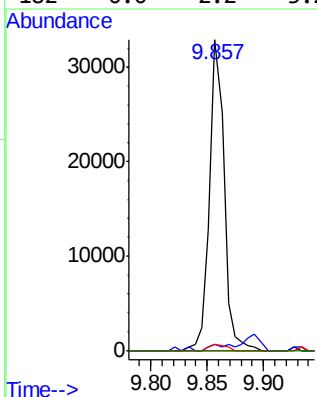
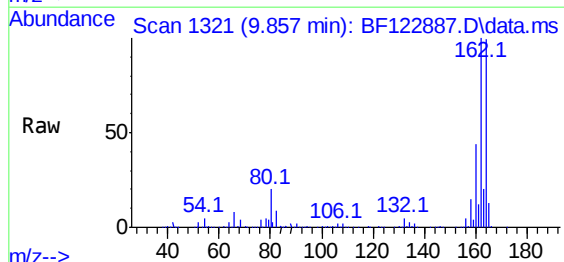
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SAMPLE-4(464+26)

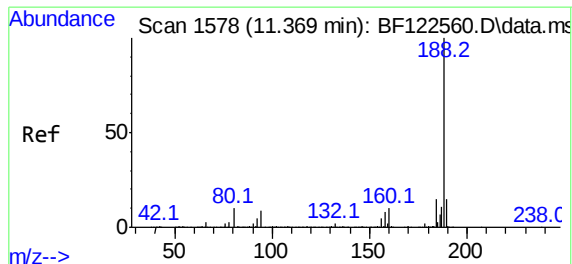
Tgt Ion:165 Resp: 29072
Ion Ratio Lower Upper
165 100
63 1.9 36.6 55.0#
89 2.0 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.71 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion:165 Resp: 29072
Ion Ratio Lower Upper
165 100
63 1.9 34.3 51.5#
89 2.0 55.2 82.8#
182 0.0 2.2 3.2#

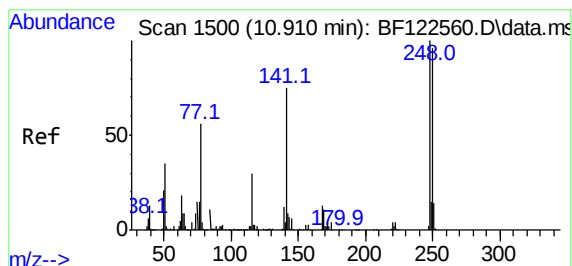
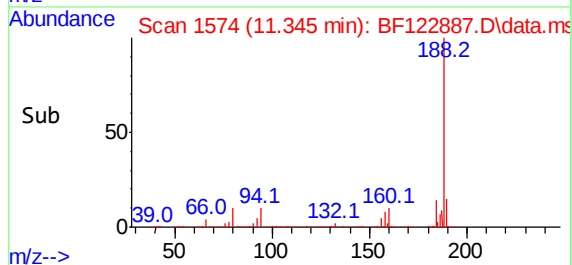
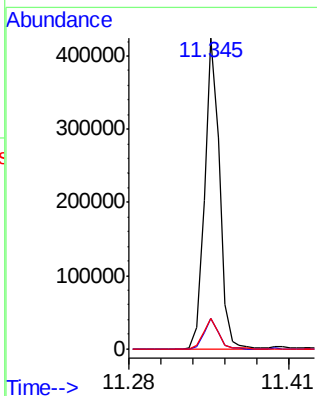
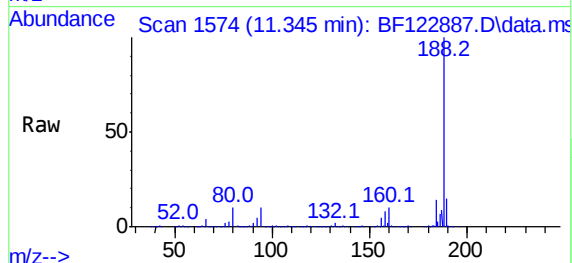




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

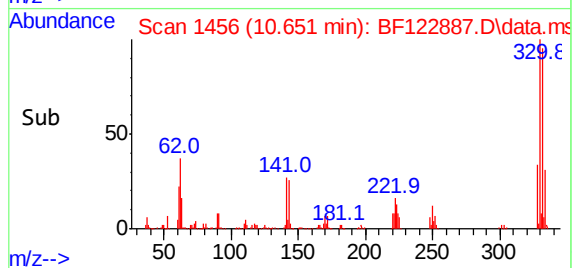
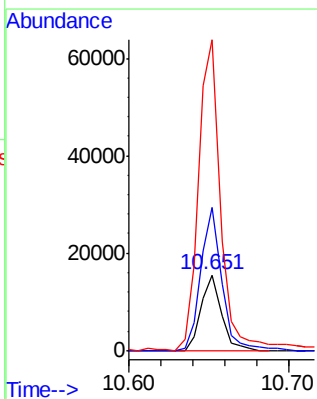
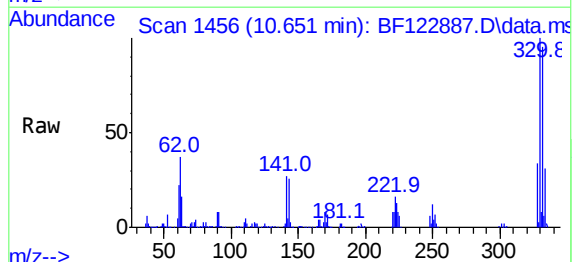
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)

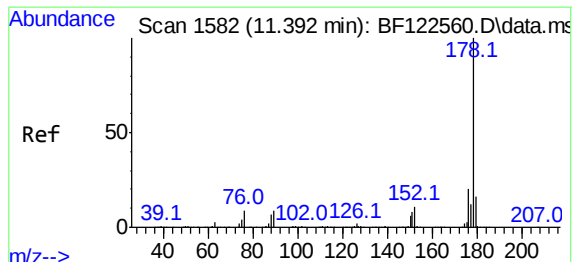
Tgt Ion:188 Resp: 362852
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 9.9 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 2.78 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.241 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion:248 Resp: 13675
Ion Ratio Lower Upper
248 100
250 190.5 76.8 115.2#
141 412.5 59.8 89.8#

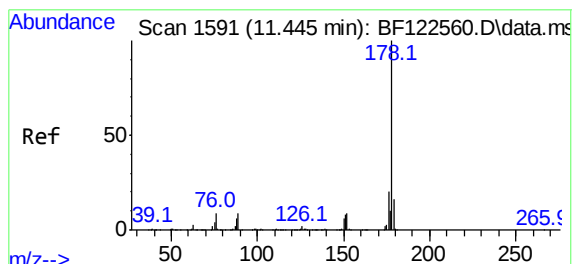
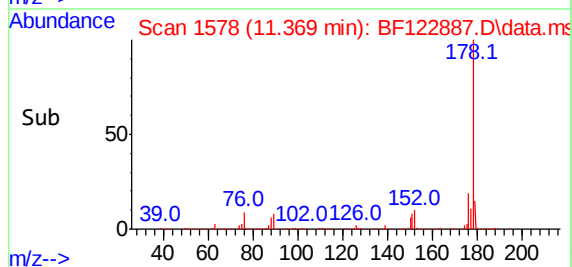
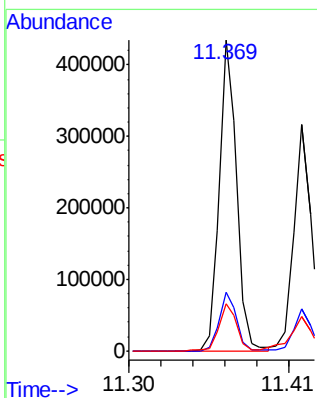
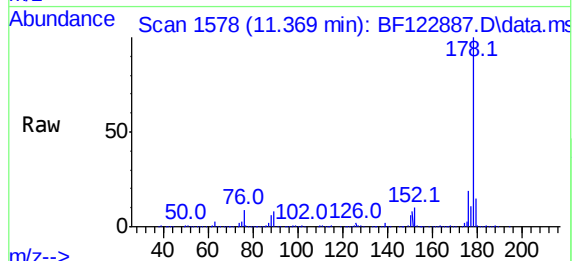




#71
Phenanthrene
Concen: 16.94 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

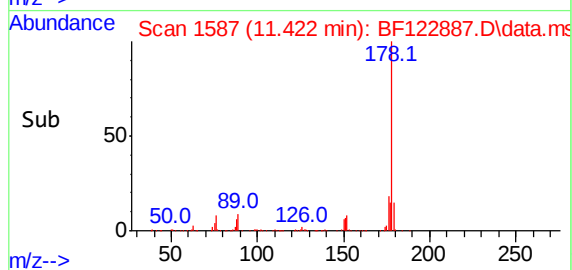
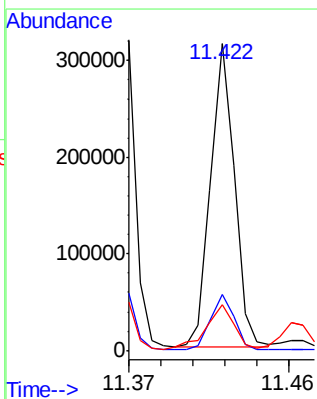
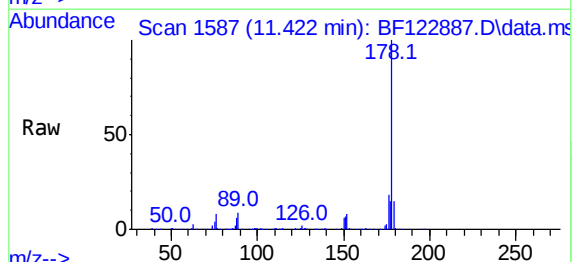
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)

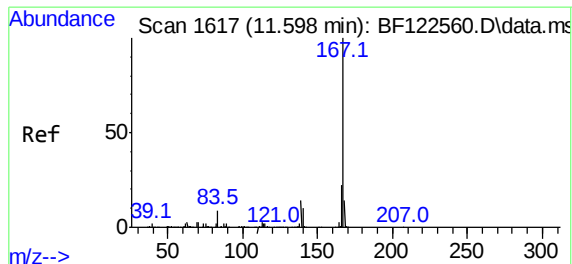
Tgt Ion:178 Resp: 365213
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 15.3 12.7 19.1



#72
Anthracene
Concen: 12.03 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion:178 Resp: 257190
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.1 12.8 19.2

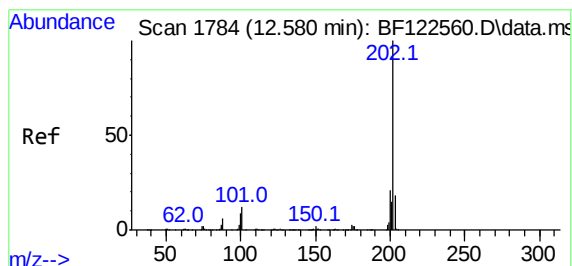
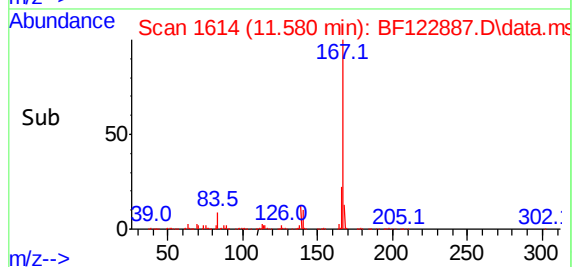
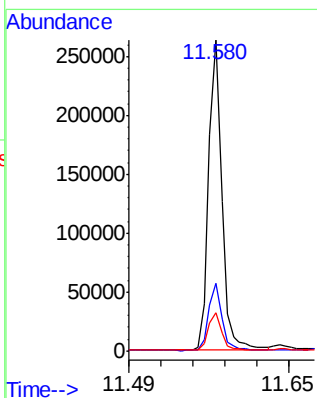
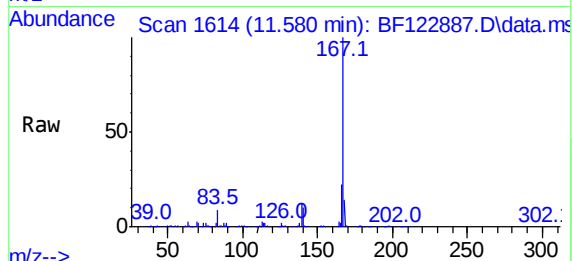




#73
 Carbazole
 Concen: 12.44 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. 0.006 min
 Lab File: BF122887.D
 Acq: 30 Dec 2020 19:35

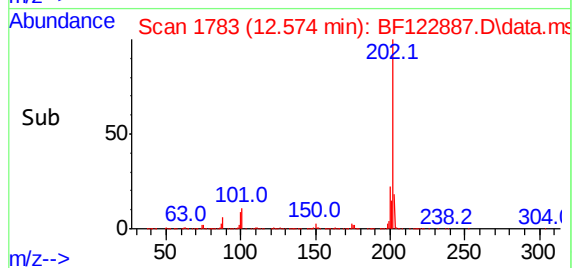
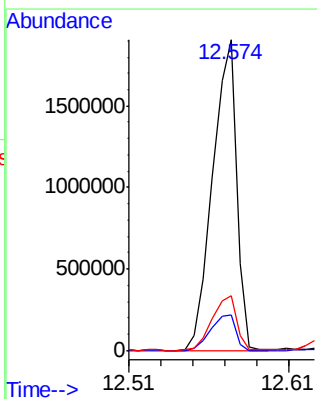
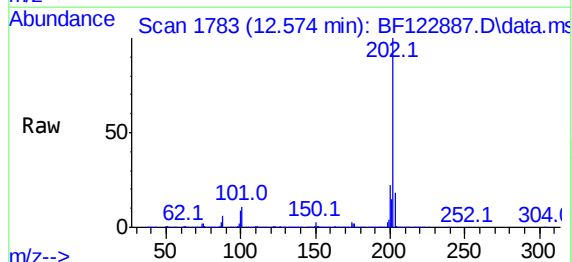
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4(464+26)

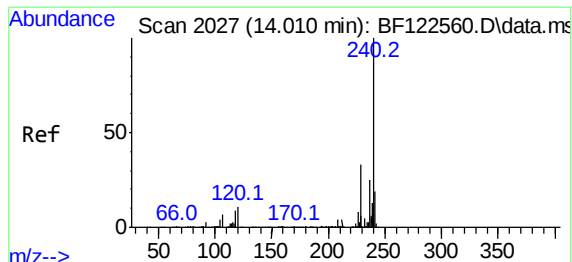
Tgt Ion:	167	Resp:	241165
Ion Ratio	Lower	Upper	
167	100		
166	21.9	18.0	27.0
139	12.2	10.9	16.3



#75
 Fluoranthene
 Concen: 89.16 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. 0.018 min
 Lab File: BF122887.D
 Acq: 30 Dec 2020 19:35

Tgt Ion:	202	Resp:	2016246
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	32.2
203	17.6	0.0	38.1

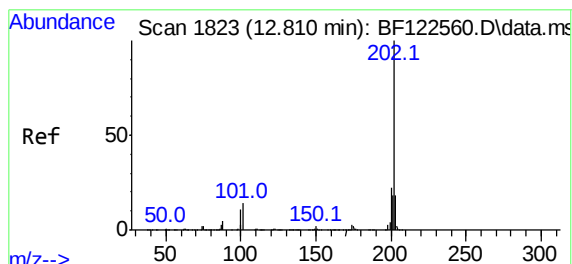
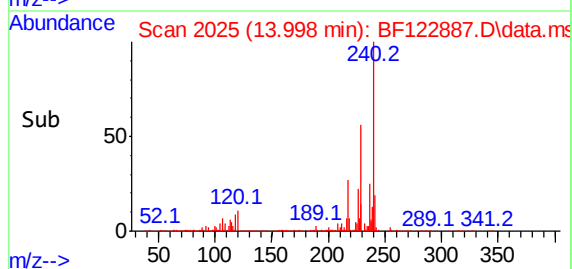
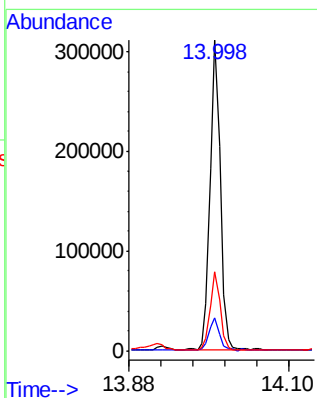
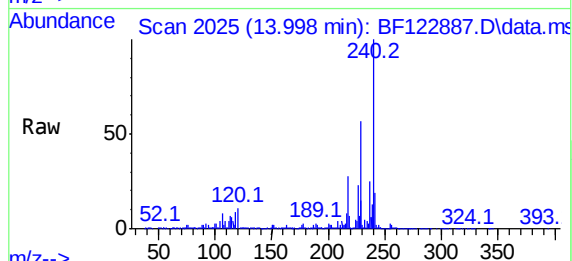




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.012 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

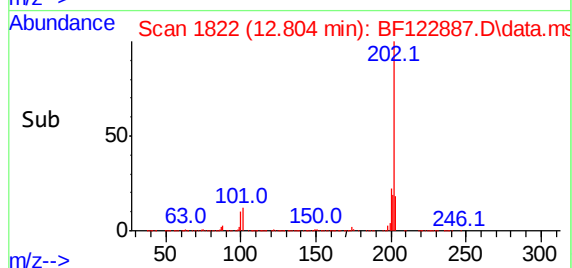
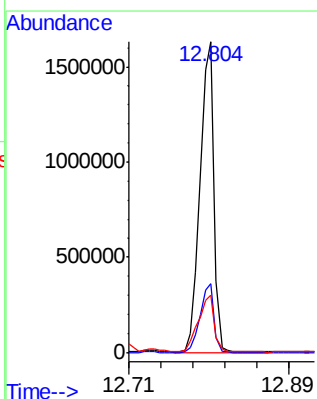
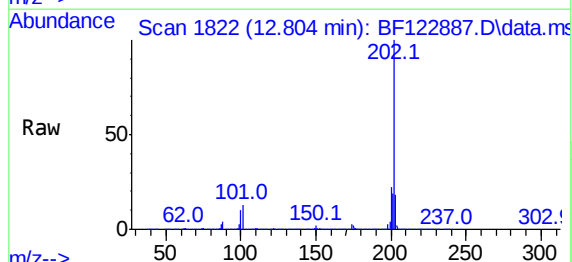
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)

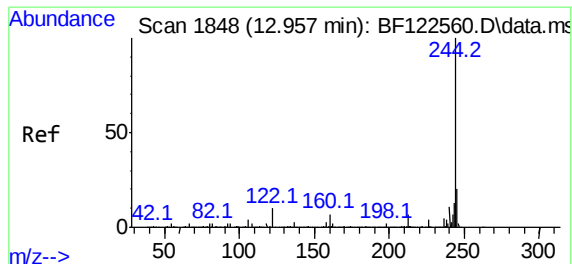
Tgt Ion:240 Resp: 291456
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 25.4 20.3 30.5



#78
Pyrene
Concen: 78.75 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.018 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion:202 Resp: 1774588
Ion Ratio Lower Upper
202 100
200 22.2 17.6 26.4
203 18.3 14.6 21.8

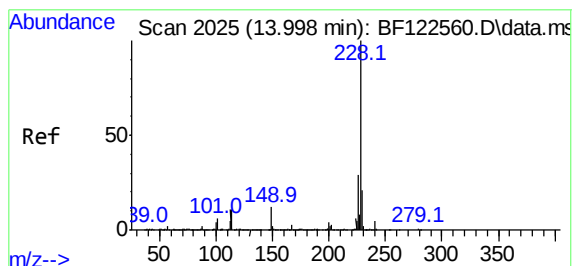
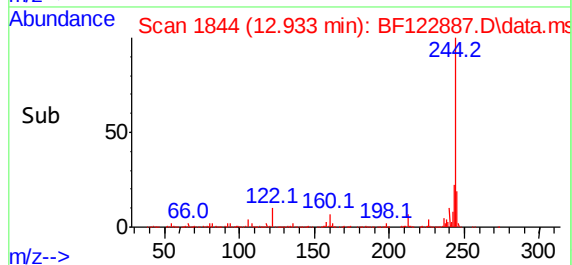
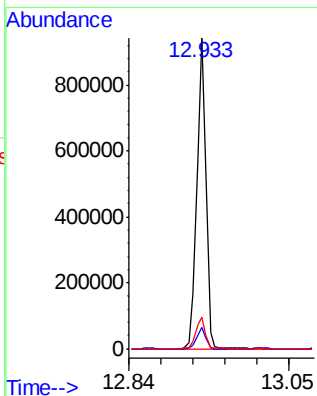
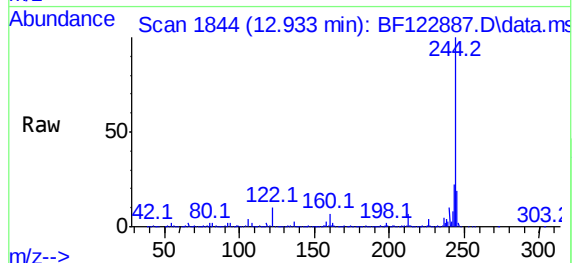




#79
Terphenyl-d14
Concen: 49.43 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

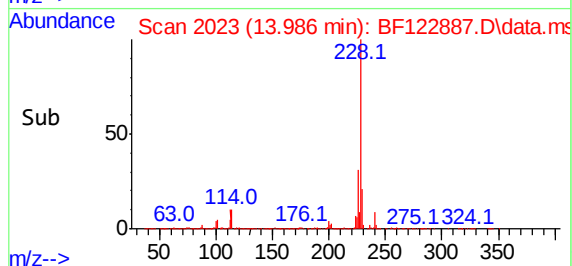
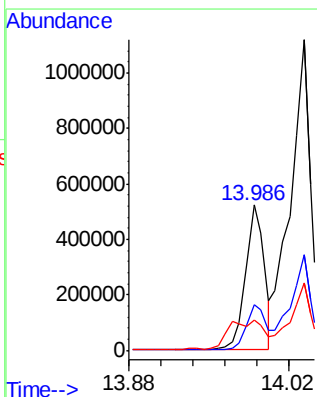
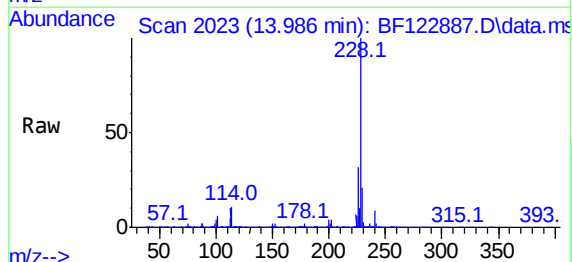
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)

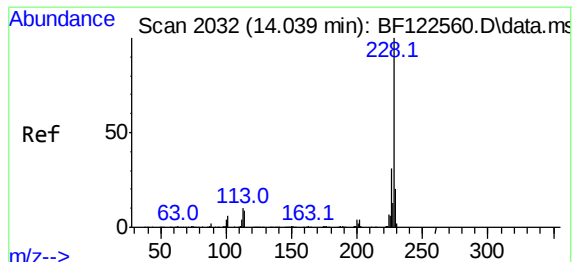
Tgt Ion:244 Resp: 823038
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 10.4 8.3 12.5



#81
Benzo(a)anthracene
Concen: 28.56 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.012 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion:228 Resp: 556283
Ion Ratio Lower Upper
228 100
226 31.7 23.0 34.4
229 21.0 16.6 24.8

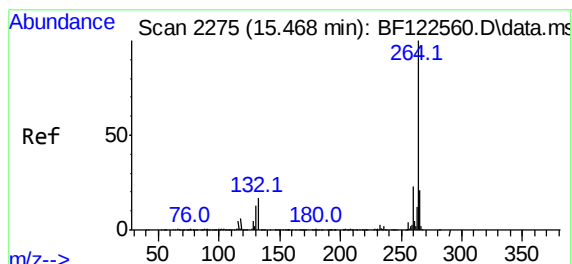
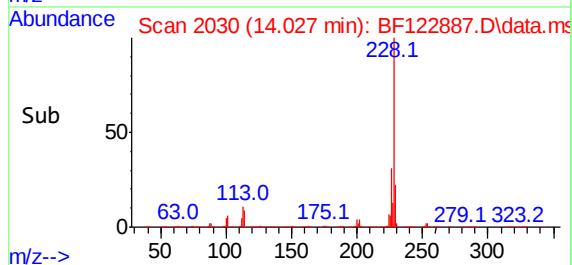
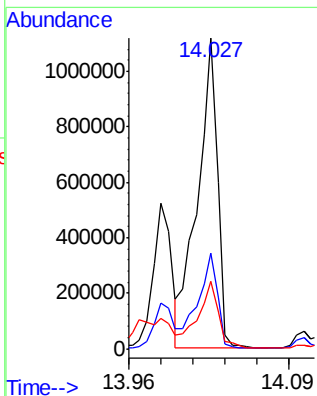
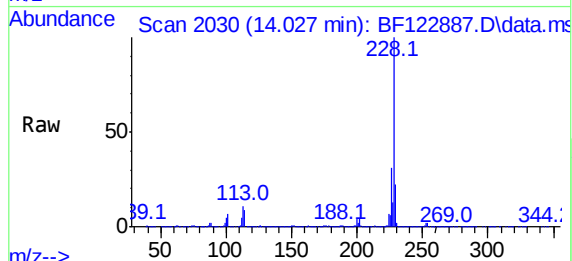




#83
Chrysene
Concen: 66.07 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

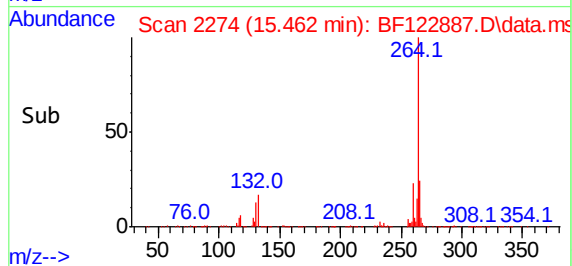
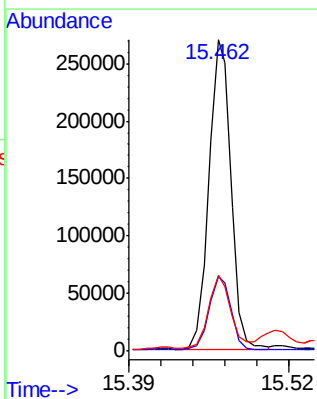
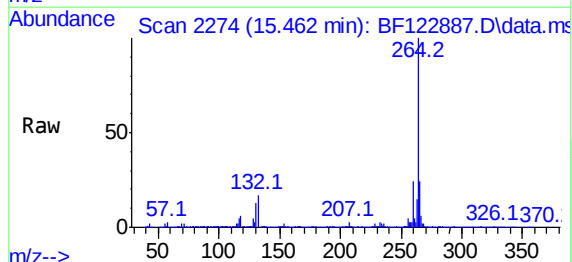
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)

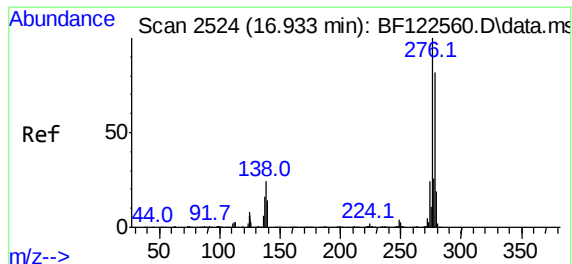
Tgt Ion:228 Resp: 1280759
Ion Ratio Lower Upper
228 100
226 30.6 24.6 36.8
229 21.9 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.462 min Scan# 2274
Delta R.T. 0.023 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion:264 Resp: 340421
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 24.0 17.0 25.6

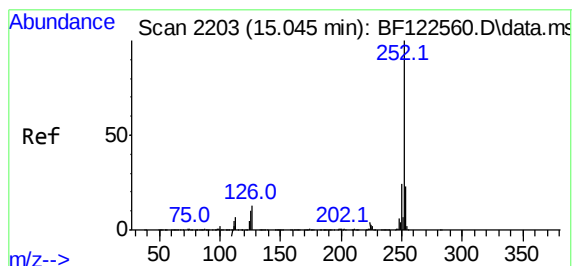
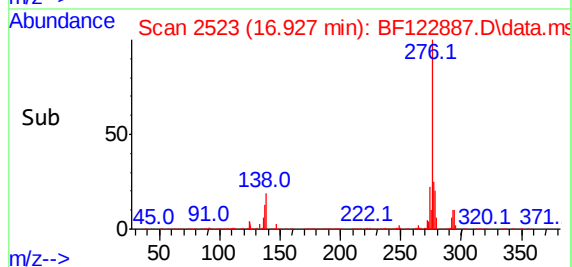
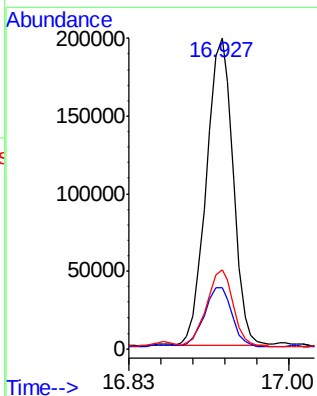
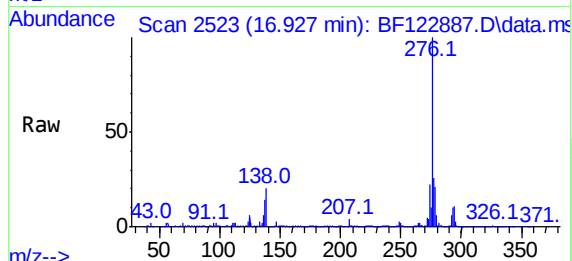




#87
Indeno(1,2,3-cd)pyrene
Concen: 16.34 ng
RT: 16.927 min Scan# 2523
Delta R.T. 0.035 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

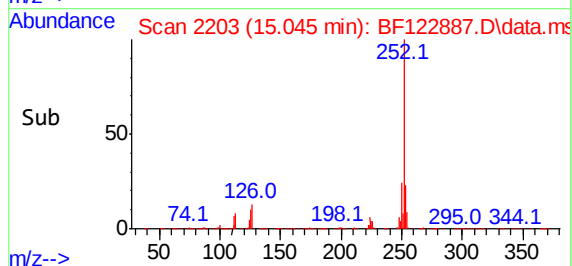
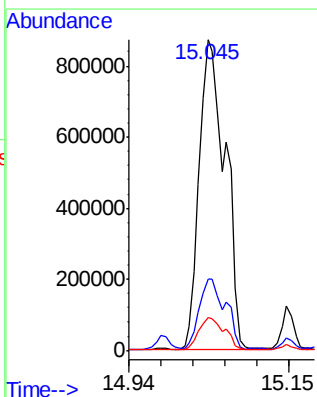
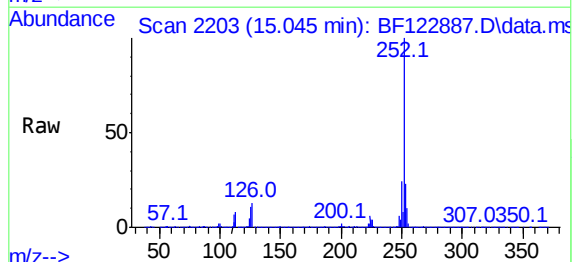
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)

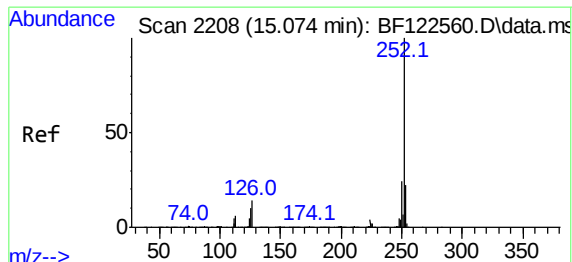
Tgt Ion:276 Resp: 365193
Ion Ratio Lower Upper
276 100
138 20.1 18.7 28.1
277 25.2 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 83.57 ng
RT: 15.045 min Scan# 2203
Delta R.T. 0.023 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion:252 Resp: 1996061
Ion Ratio Lower Upper
252 100
253 23.1 18.3 27.5
125 10.6 8.1 12.1

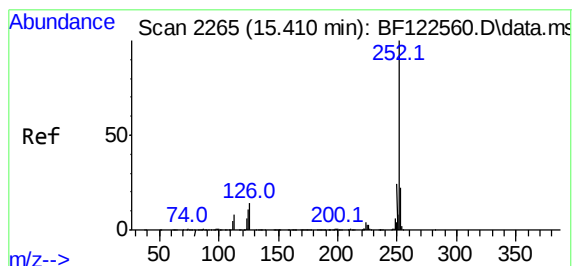
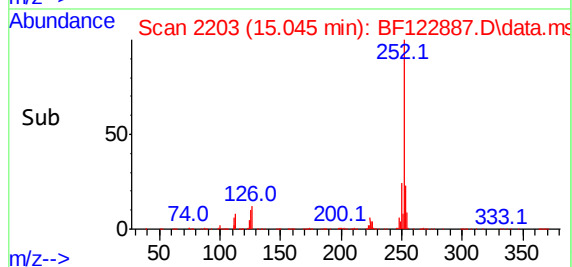
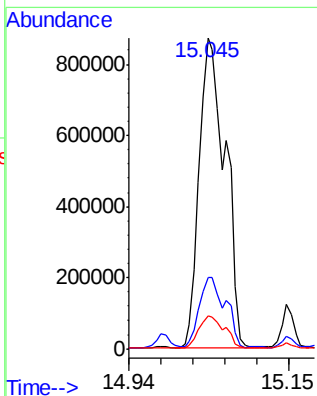
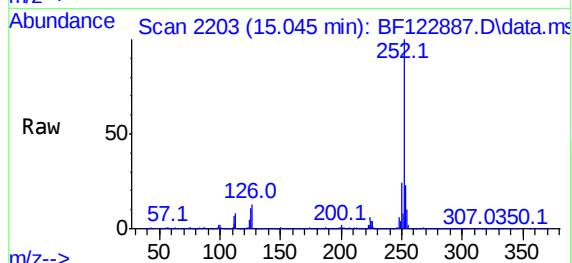




#89
Benzo(k)fluoranthene
Concen: 91.40 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

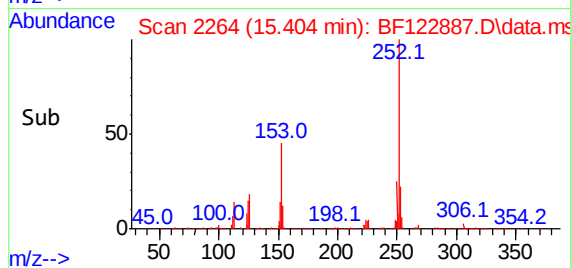
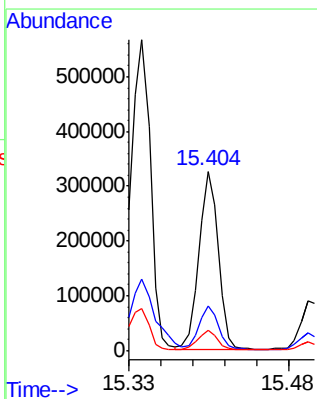
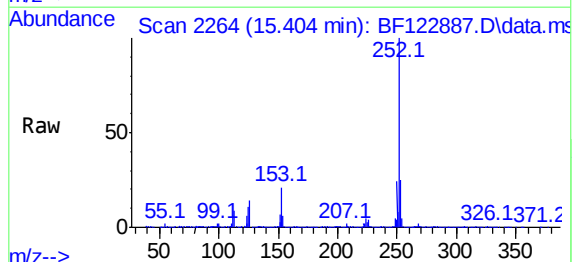
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4(464+26)

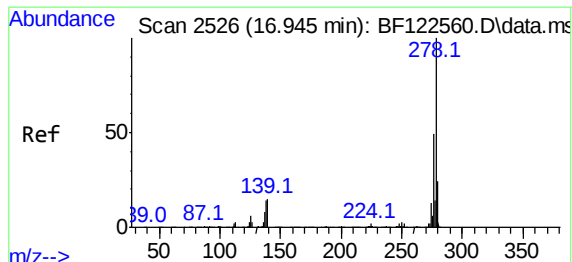
Tgt Ion:252 Resp: 1996061
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.6 8.4 12.6



#90
Benzo(a)pyrene
Concen: 18.46 ng
RT: 15.404 min Scan# 2264
Delta R.T. 0.023 min
Lab File: BF122887.D
Acq: 30 Dec 2020 19:35

Tgt Ion:252 Resp: 385784
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 11.1 8.6 12.8

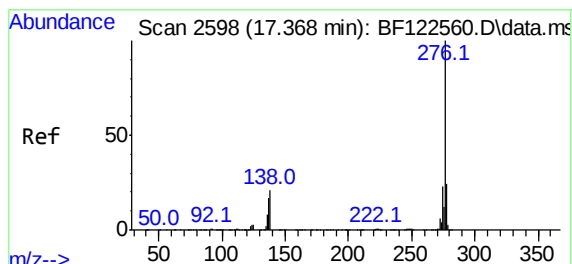
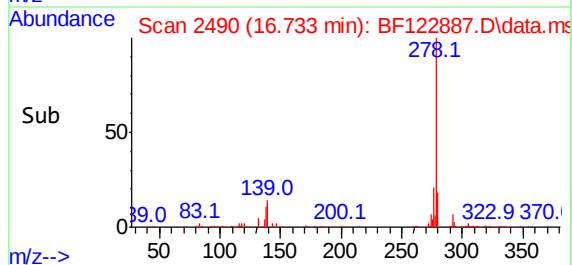
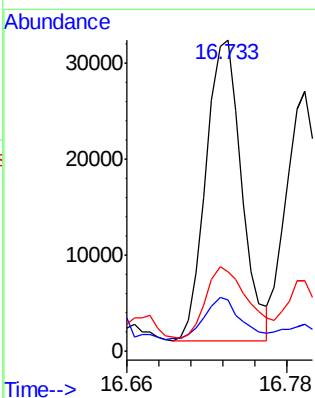
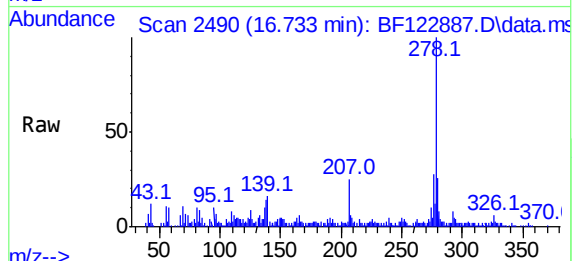




#91
 Dibenzo(a,h)anthracene
 Concen: 3.16 ng
 RT: 16.733 min Scan# 2490
 Delta R.T. -0.171 min
 Lab File: BF122887.D
 Acq: 30 Dec 2020 19:35

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

Tgt Ion:	278	Resp:	57724
Ion	Ratio	Lower	Upper
278	100		
139	16.4	12.0	18.0
279	25.6	19.4	29.2



#92
 Benzo(g,h,i)perylene
 Concen: 17.65 ng
 RT: 17.368 min Scan# 2598
 Delta R.T. 0.041 min
 Lab File: BF122887.D
 Acq: 30 Dec 2020 19:35

Tgt Ion:	276	Resp:	312331
Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.3	28.9
138	20.4	16.6	24.8

