

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
 Data File : BF122885.D
 Acq On : 30 Dec 2020 18:32
 Operator : JU/CG
 Sample : L5242-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-6(444+26)

Quant Time: Dec 31 00:55:07 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

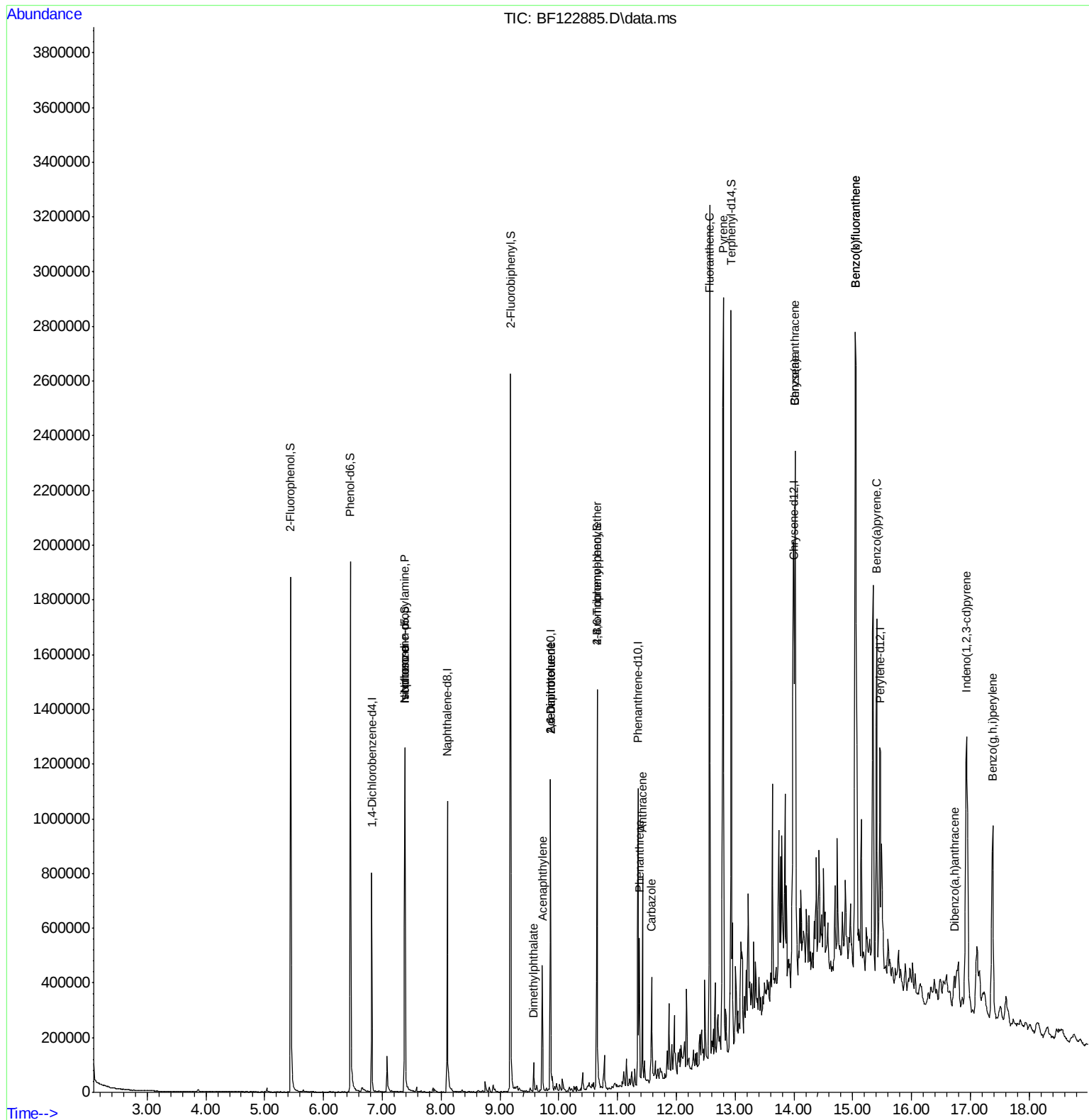
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	129335	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	469592	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	234475	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	378968	20.00	ng	0.00
76) Chrysene-d12	13.998	240	331861	20.00	ng	0.01
86) Perylene-d12	15.462	264	382732	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	591035	72.35	ng	0.00
7) Phenol-d6	6.457	99	709806	65.51	ng	0.00
23) Nitrobenzene-d5	7.381	82	442526	47.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	205078	66.82	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	855024	49.32	ng	0.00
79) Terphenyl-d14	12.933	244	818988	43.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.381	70	57629	9.29	ng	# 79
25) Isophorone	7.381	82	442564	27.42	ng	# 65
49) Acenaphthylene	9.722	152	199733	8.39	ng	98
50) Dimethylphthalate	9.575	163	46440	2.48	ng	98
51) 2,6-Dinitrotoluene	9.857	165	30682	7.76	ng	# 32
57) 2,4-Dinitrotoluene	9.857	165	30682	5.82	ng	# 26
67) 4-Bromophenyl-phenylether	10.651	248	12467	2.43	ng	# 1
71) Phenanthrene	11.369	178	174595	7.75	ng	98
72) Anthracene	11.421	178	258772	11.59	ng	99
73) Carbazole	11.580	167	153261	7.57	ng	99
75) Fluoranthene	12.568	202	1311960	55.55	ng	99
78) Pyrene	12.798	202	1222299	47.64	ng	99
81) Benzo(a)anthracene	14.021	228	925047	41.71	ng	97
83) Chrysene	14.021	228	925047	41.91	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	619626	24.66	ng	95
88) Benzo(b)fluoranthene	15.045	252	1911335	71.18	ng	99
89) Benzo(k)fluoranthene	15.045	252	1911335	77.85	ng	99
90) Benzo(a)pyrene	15.404	252	576070	24.52	ng	96
91) Dibenzo(a,h)anthracene	16.733	278	92329	4.49	ng	94
92) Benzo(g,h,i)perylene	17.380	276	610675	30.69	ng	98

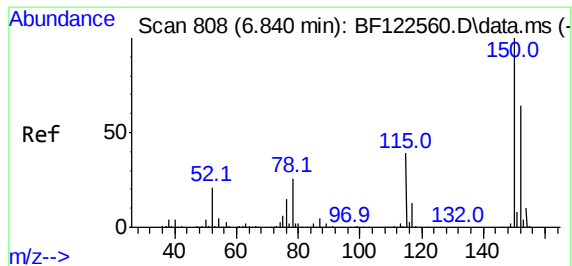
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 31 00:55:07 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
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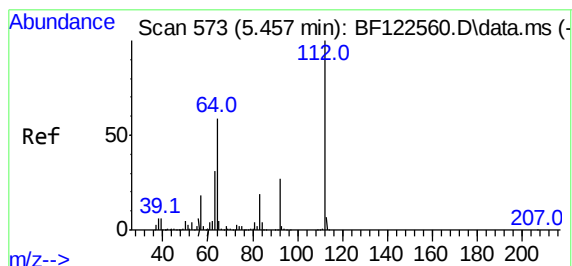
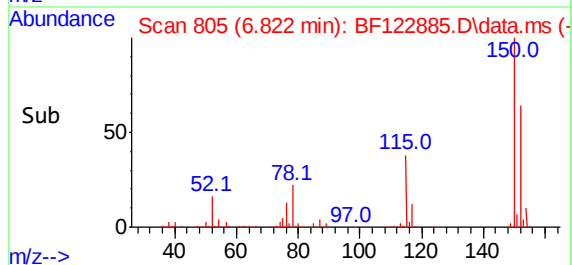
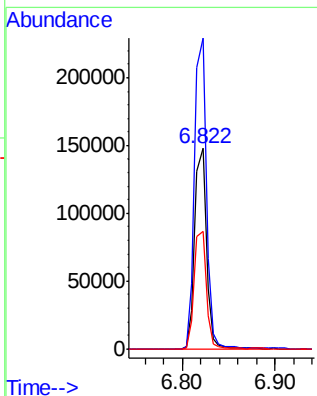
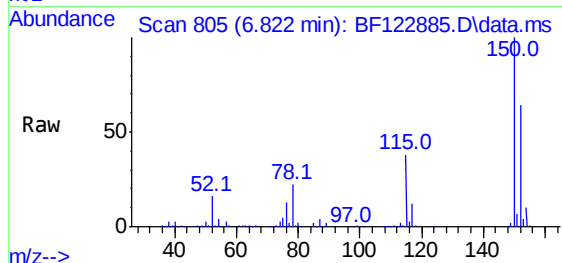




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

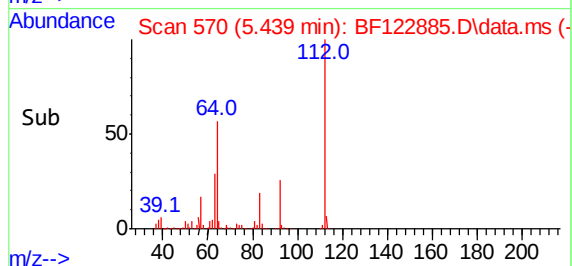
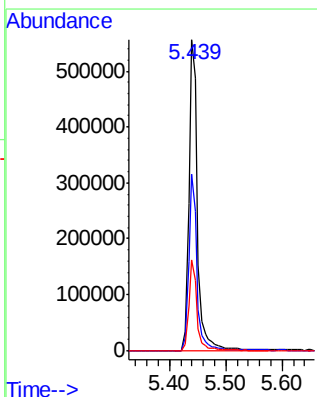
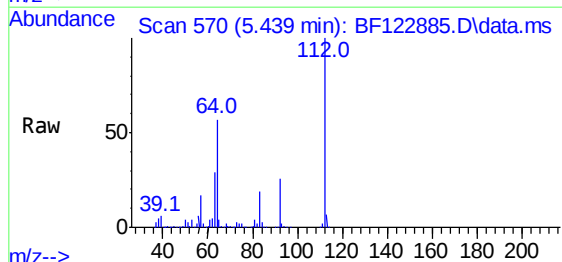
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6(444+26)

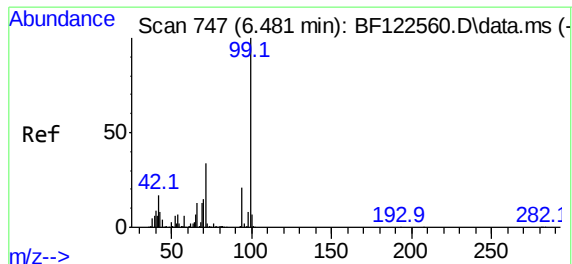
Tgt Ion:152 Resp: 129335
Ion Ratio Lower Upper
152 100
150 155.3 125.8 188.6
115 58.7 49.3 73.9



#5
2-Fluorophenol
Concen: 72.35 ng
RT: 5.439 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Tgt Ion:112 Resp: 591035
Ion Ratio Lower Upper
112 100
64 56.6 46.9 70.3
63 29.0 24.5 36.7

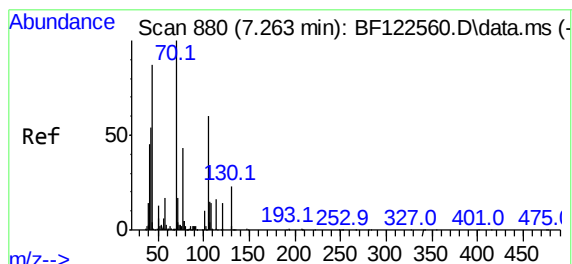
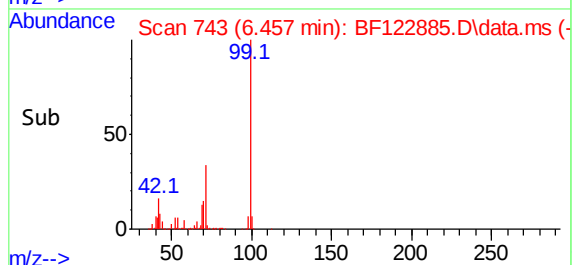
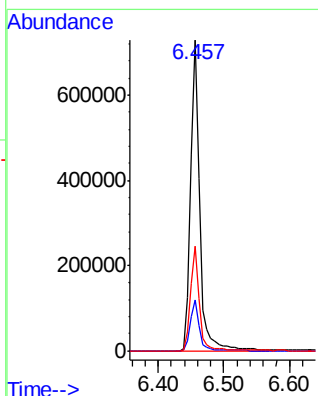
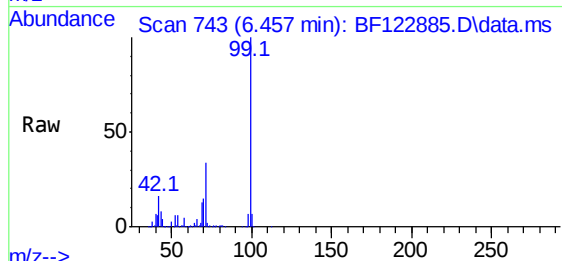




#7
Phenol-d6
Concen: 65.51 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

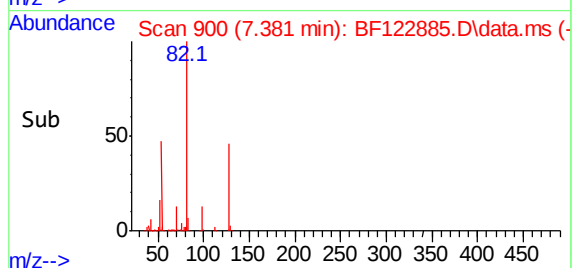
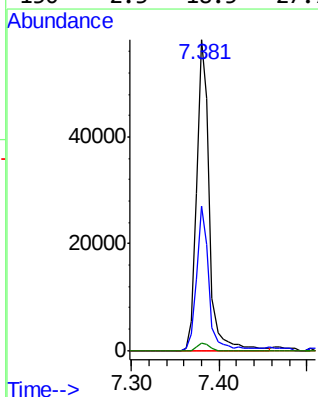
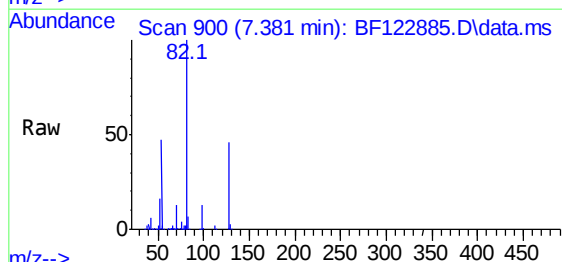
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6(444+26)

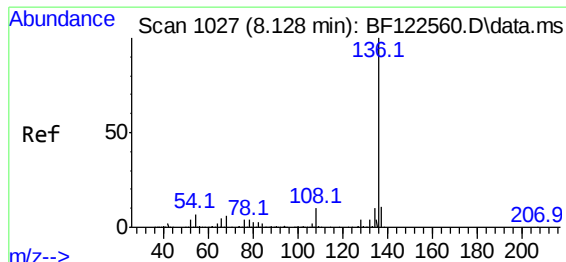
Tgt Ion: 99 Resp: 709806
Ion Ratio Lower Upper
99 100
42 16.4 13.8 20.6
71 33.7 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 9.29 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Tgt Ion: 70 Resp: 57629
Ion Ratio Lower Upper
70 100
42 46.3 43.0 64.4
101 0.0 7.9 11.9#
130 2.3 18.5 27.7#

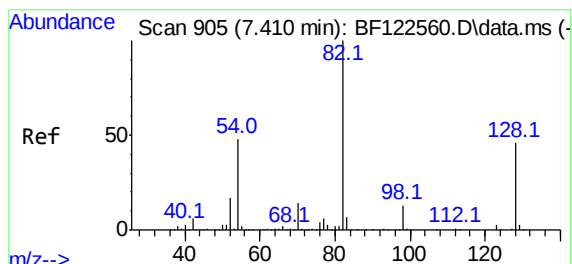
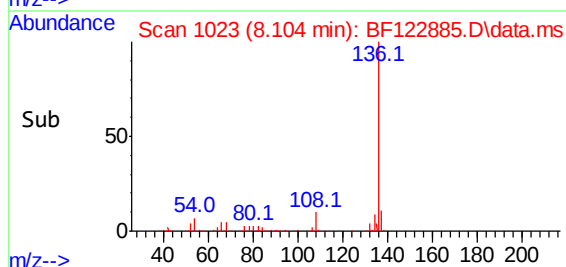
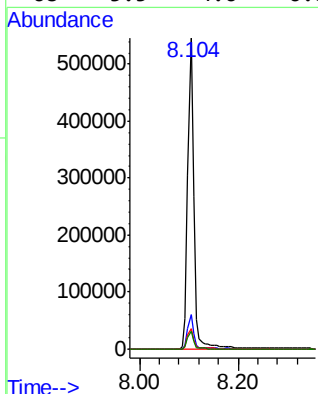
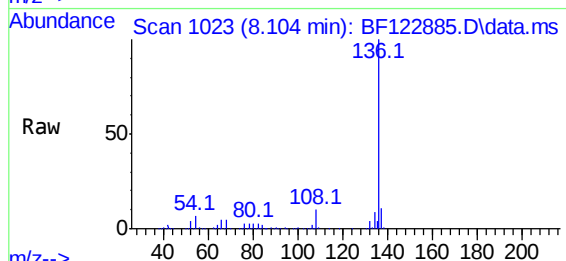




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

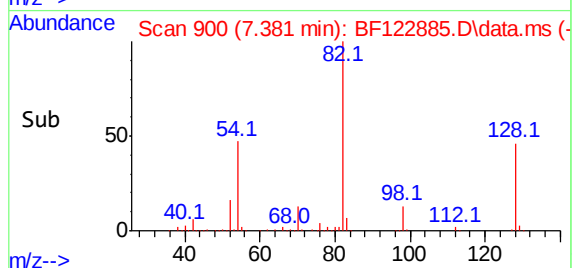
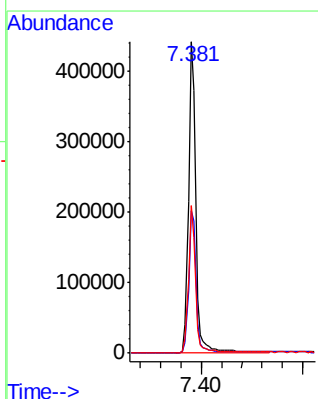
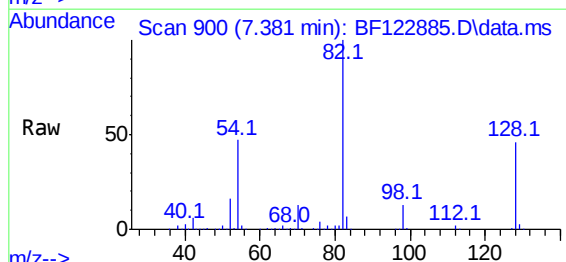
Instrument :
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ClientSampleId :
SAMPLE-6(444+26)

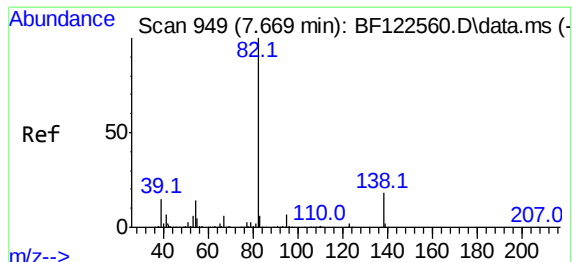
Tgt Ion:136 Resp: 469592
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.6 5.5 8.3
68 5.5 4.6 6.8



#23
Nitrobenzene-d5
Concen: 47.21 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Tgt Ion: 82 Resp: 442526
Ion Ratio Lower Upper
82 100
128 45.7 37.0 55.4
54 47.1 38.4 57.6

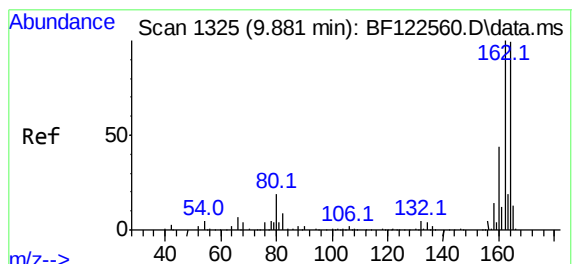
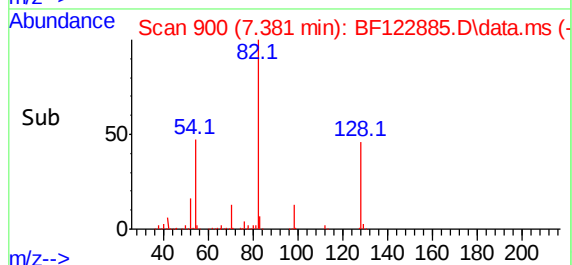
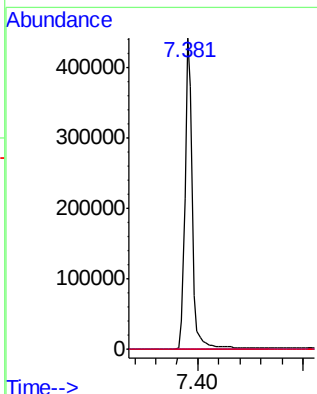
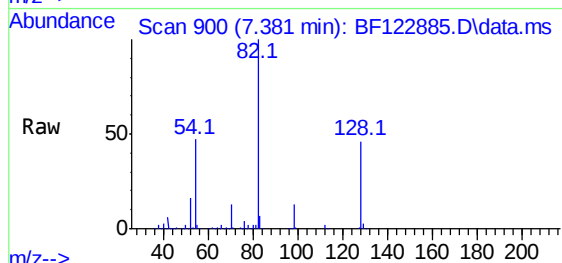




#25
Isophorone
Concen: 27.42 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

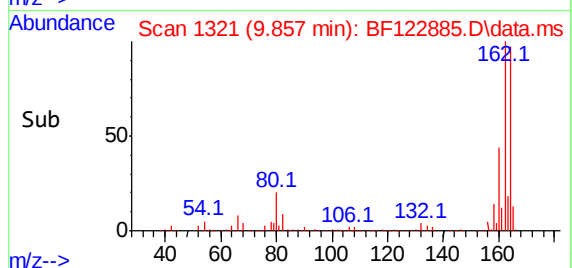
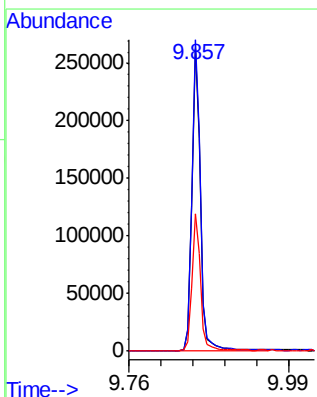
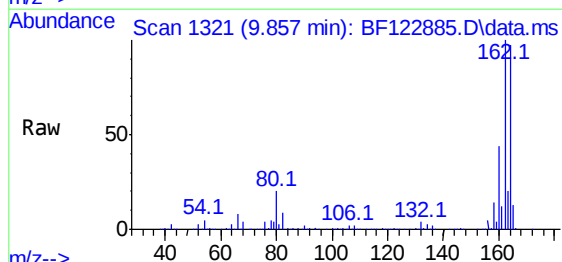
Instrument :
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ClientSampleId :
SAMPLE-6(444+26)

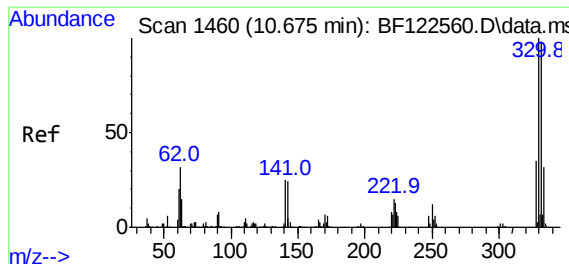
Tgt Ion: 82 Resp: 442564
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

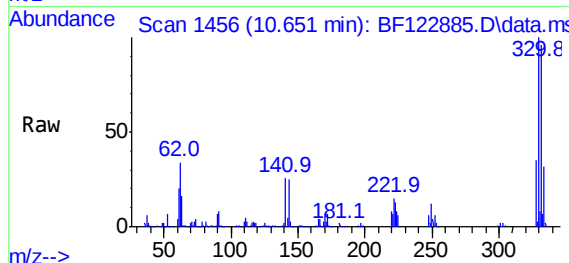
Tgt Ion: 164 Resp: 234475
Ion Ratio Lower Upper
164 100
162 102.9 80.8 121.2
160 45.2 35.4 53.0





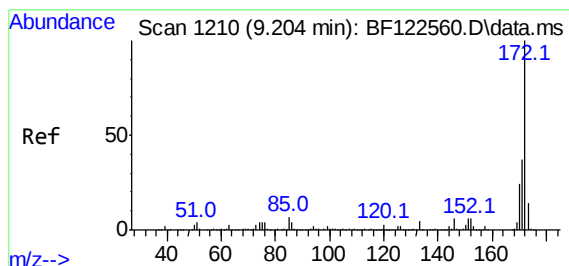
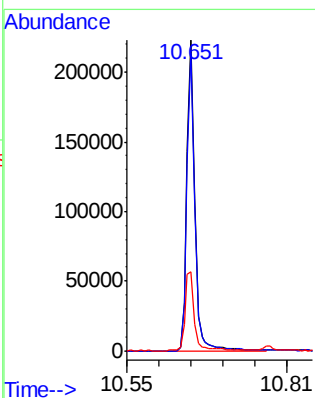
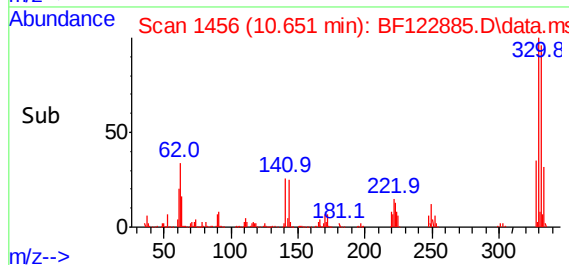
#42
 2,4,6-Tribromophenol
 Concen: 66.82 ng
 RT: 10.651 min Scan# 1456
 Delta R.T. -0.000 min
 Lab File: BF122885.D
 Acq: 30 Dec 2020 18:32

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-6(444+26)

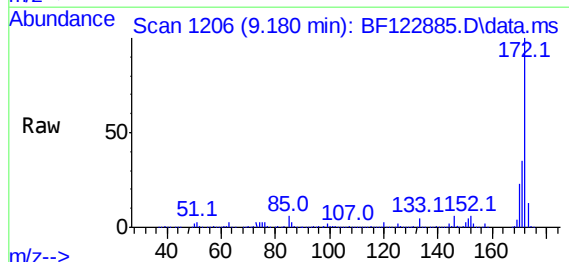


Tgt Ion: 330 Resp: 205078

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.5	116.3
141	30.1	23.8	35.8

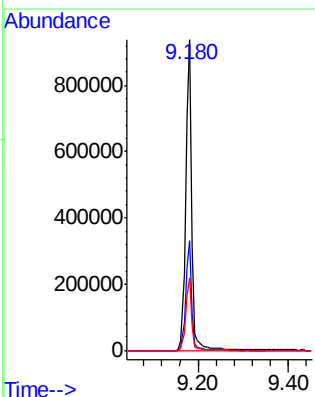
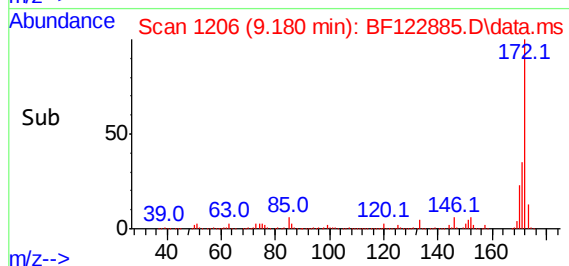


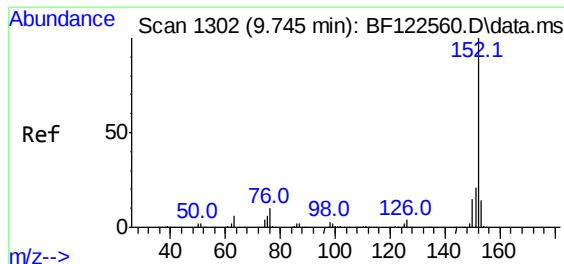
#45
 2-Fluorobiphenyl
 Concen: 49.32 ng
 RT: 9.180 min Scan# 1206
 Delta R.T. -0.006 min
 Lab File: BF122885.D
 Acq: 30 Dec 2020 18:32



Tgt Ion: 172 Resp: 855024

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.2	19.5	29.3

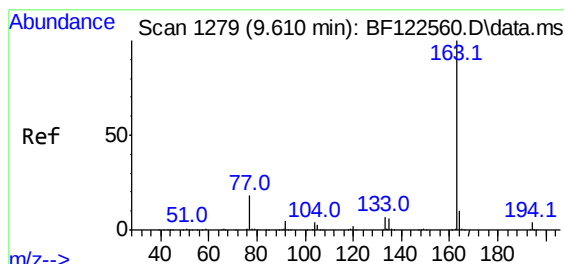
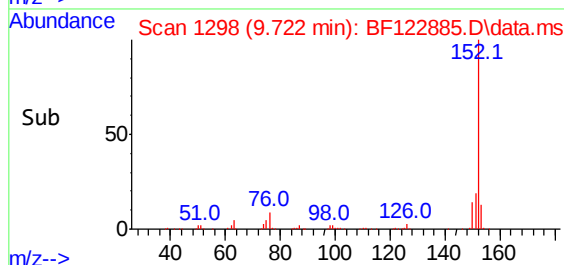
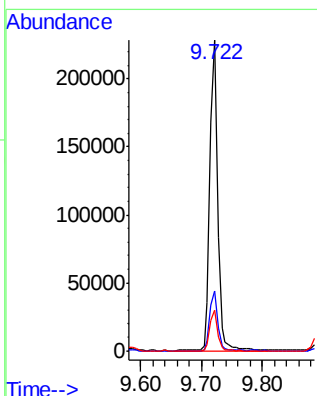
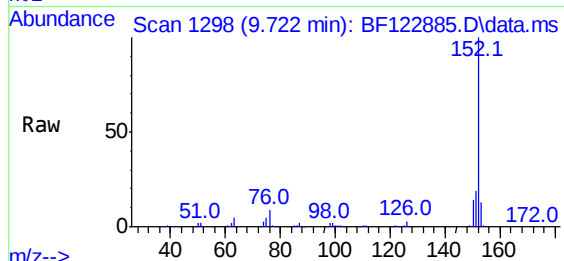




#49
Acenaphthylene
Concen: 8.39 ng
RT: 9.722 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

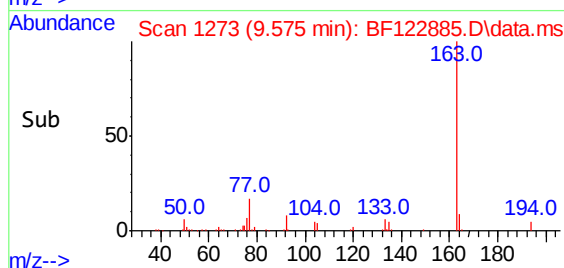
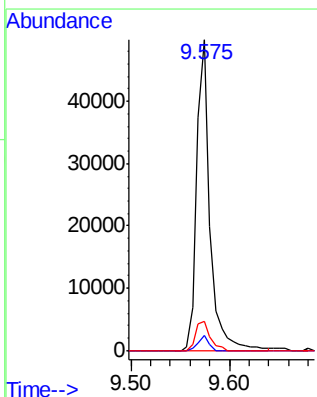
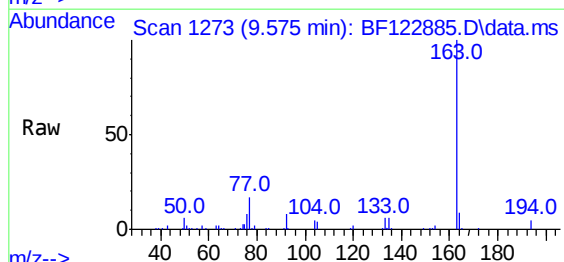
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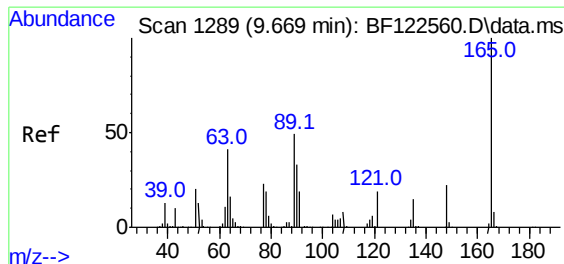
Tgt Ion:152 Resp: 199733
Ion Ratio Lower Upper
152 100
151 19.3 16.6 25.0
153 13.1 10.9 16.3



#50
Dimethylphthalate
Concen: 2.48 ng
RT: 9.575 min Scan# 1273
Delta R.T. -0.012 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Tgt Ion:163 Resp: 46440
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.0
164 9.3 8.1 12.1

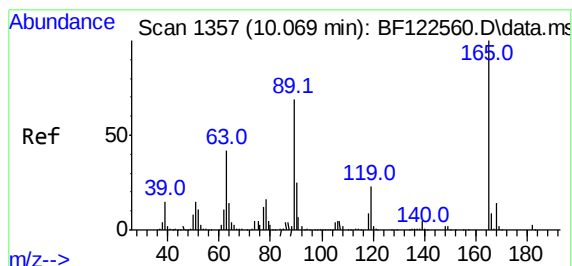
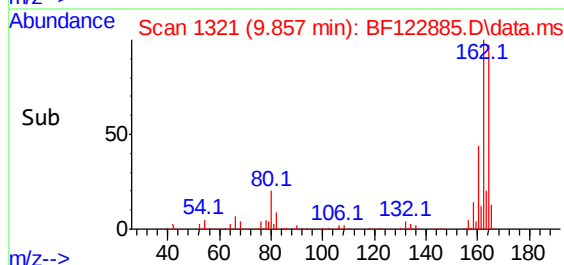
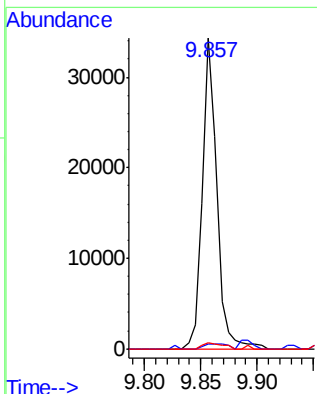
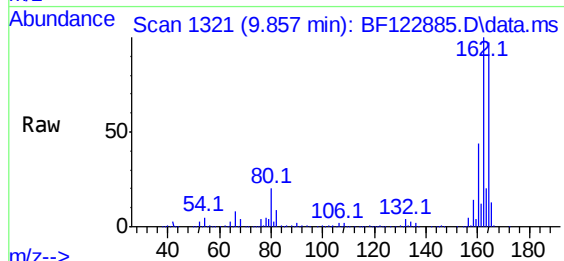




#51
2,6-Dinitrotoluene
Concen: 7.76 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

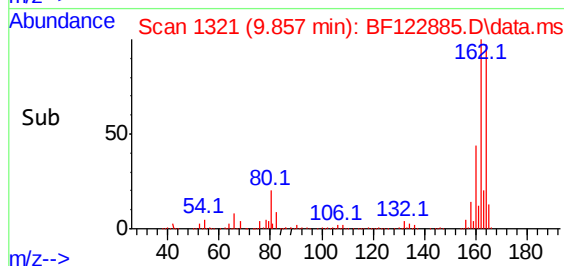
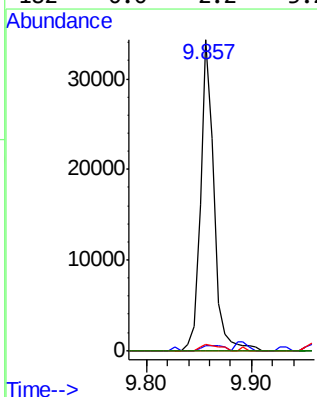
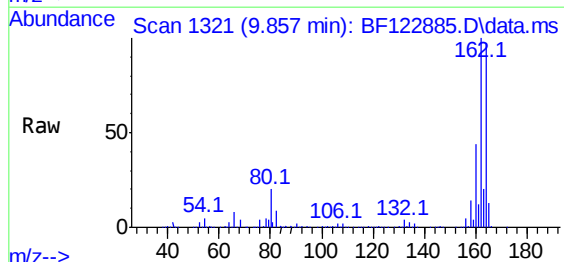
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6(444+26)

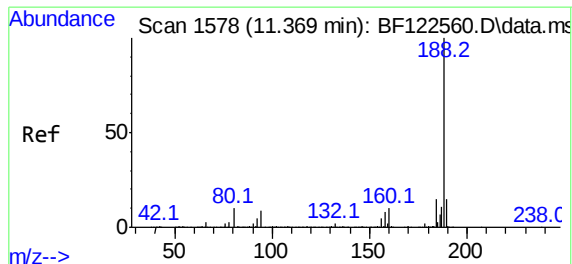
Tgt Ion:165 Resp: 30682
Ion Ratio Lower Upper
165 100
63 1.7 36.6 55.0#
89 1.8 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.82 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Tgt Ion:165 Resp: 30682
Ion Ratio Lower Upper
165 100
63 1.7 34.3 51.5#
89 1.8 55.2 82.8#
182 0.0 2.2 3.2#

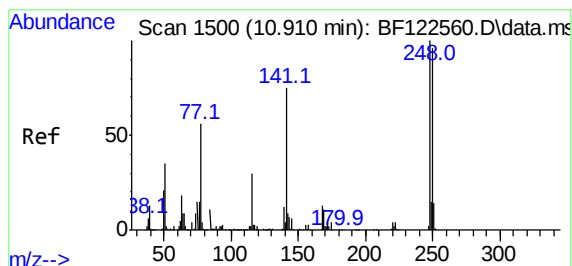
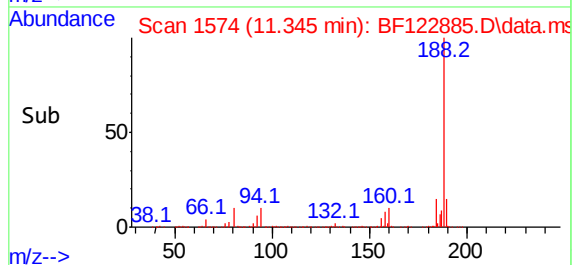
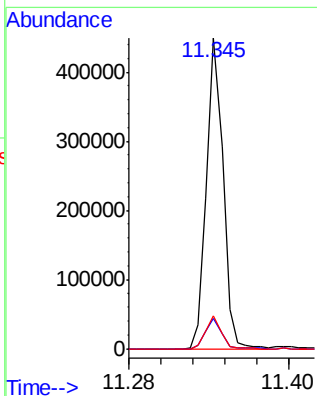
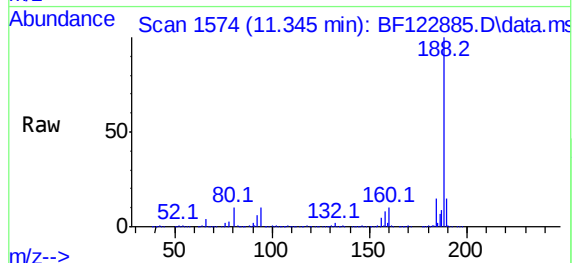




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

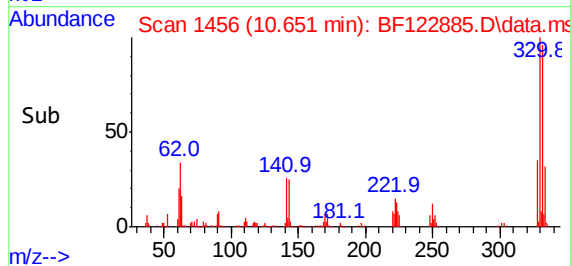
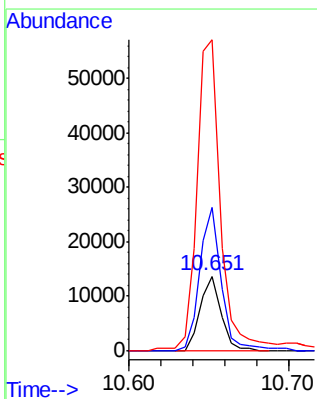
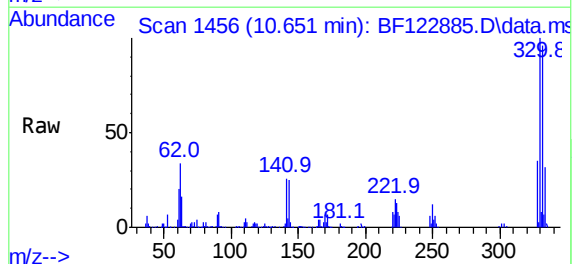
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6(444+26)

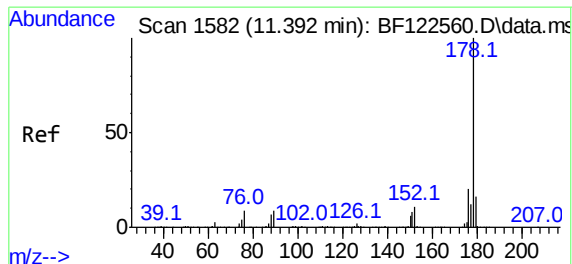
Tgt Ion:188 Resp: 378968
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.4 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 2.43 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.241 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Tgt Ion:248 Resp: 12467
Ion Ratio Lower Upper
248 100
250 192.4 76.8 115.2#
141 418.8 59.8 89.8#

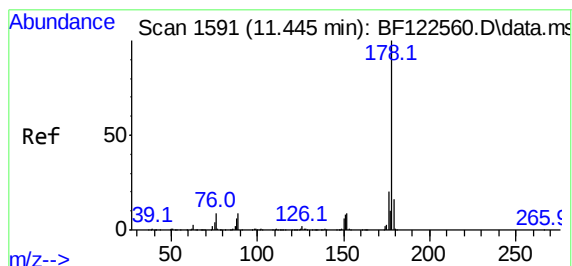
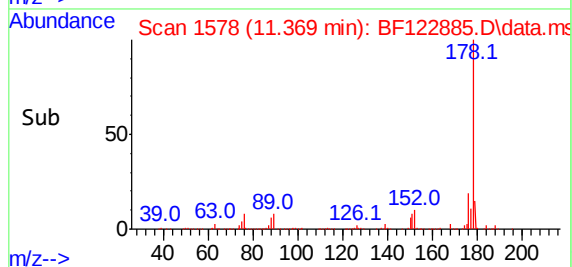
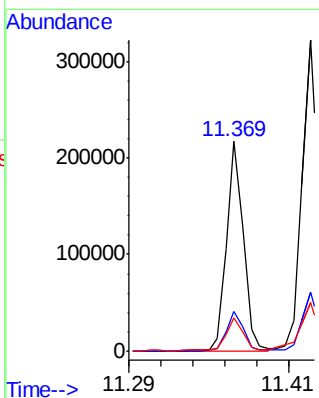
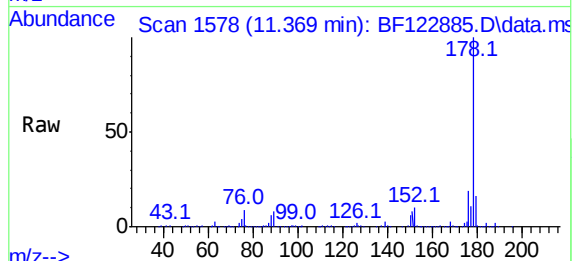




#71
Phenanthrene
Concen: 7.75 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

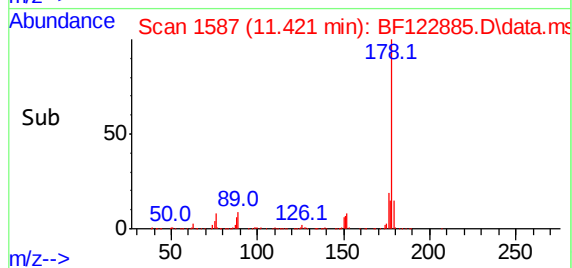
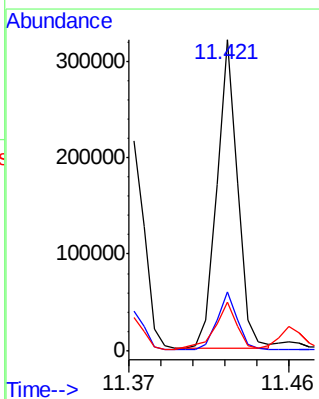
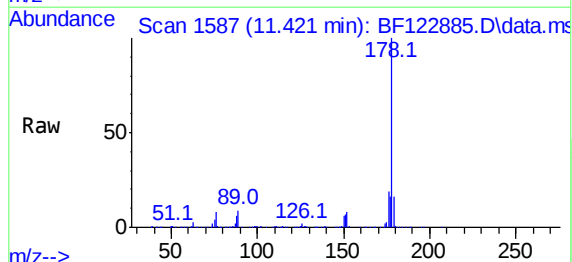
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6(444+26)

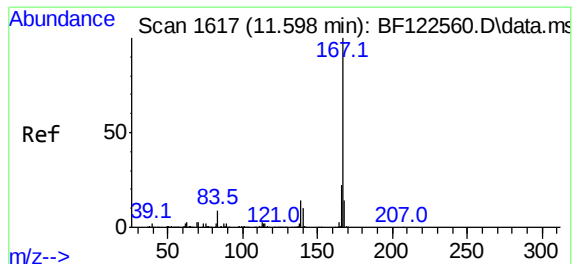
Tgt Ion:178 Resp: 174595
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.2
179 15.6 12.7 19.1



#72
Anthracene
Concen: 11.59 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Tgt Ion:178 Resp: 258772
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.6 12.8 19.2



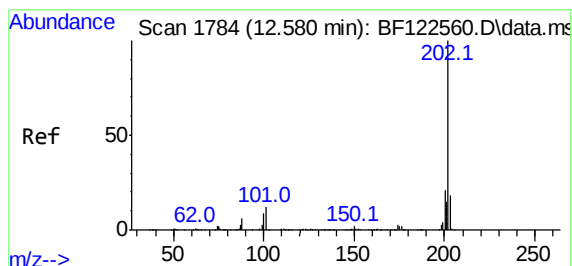
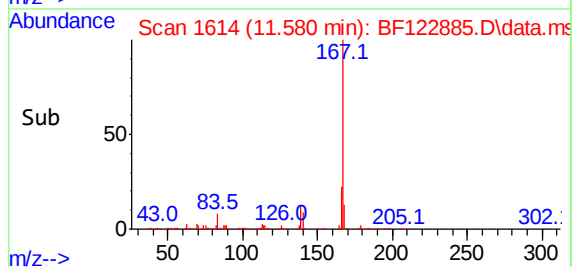
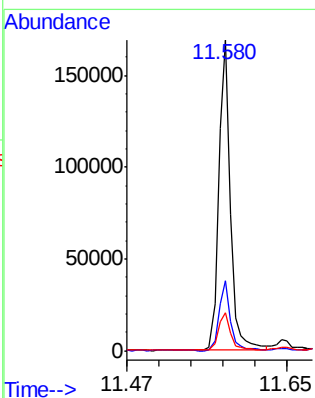
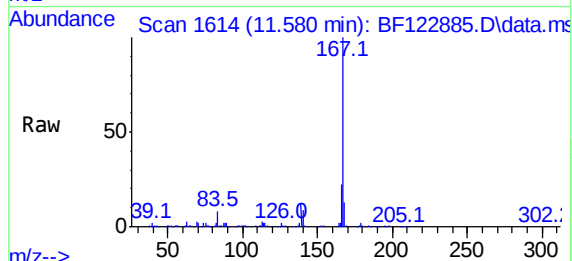


#73
 Carbazole
 Concen: 7.57 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. 0.006 min
 Lab File: BF122885.D
 Acq: 30 Dec 2020 18:32

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-6(444+26)

Tgt Ion:167 Resp: 153261

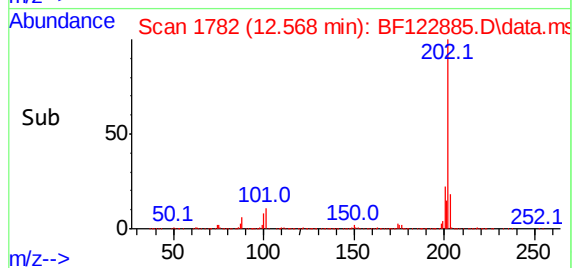
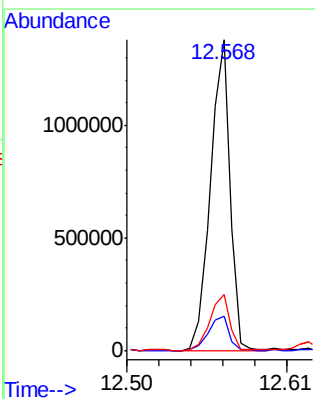
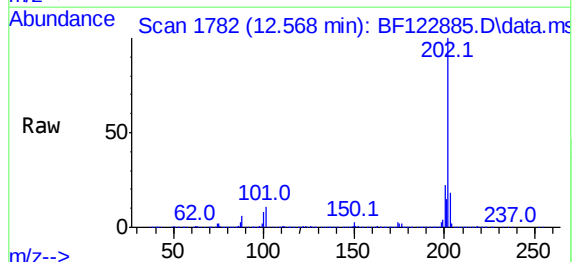
Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.0	27.0
139	12.3	10.9	16.3

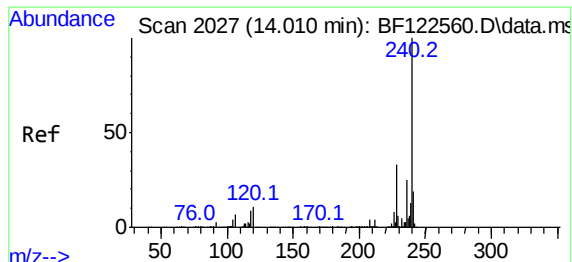


#75
 Fluoranthene
 Concen: 55.55 ng
 RT: 12.568 min Scan# 1782
 Delta R.T. 0.012 min
 Lab File: BF122885.D
 Acq: 30 Dec 2020 18:32

Tgt Ion:202 Resp: 1311960

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	32.2
203	18.2	0.0	38.1

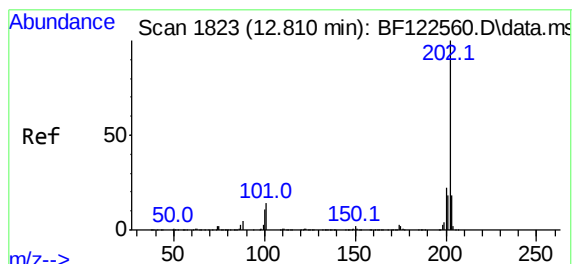
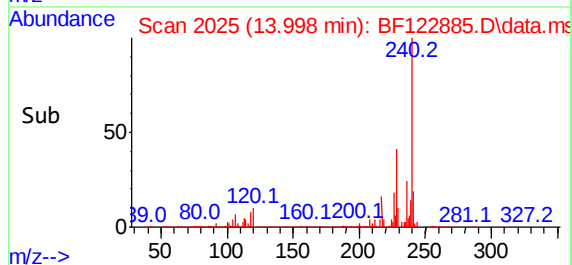
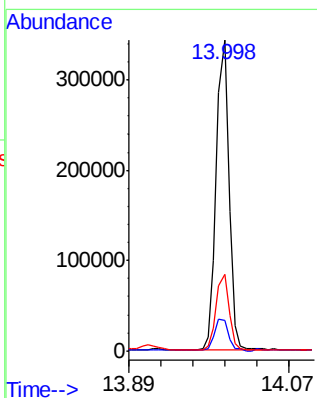
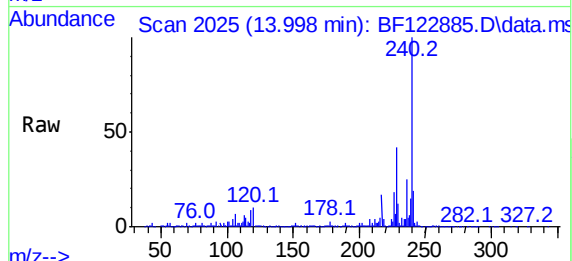




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.012 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

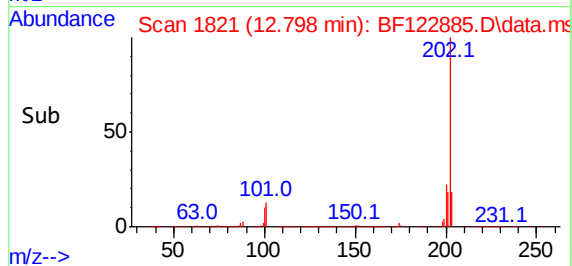
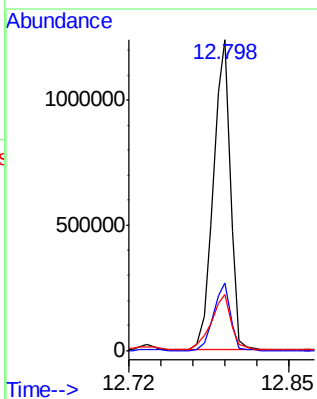
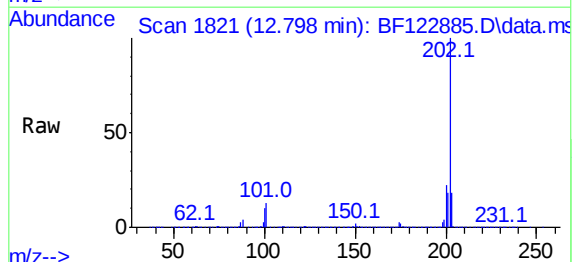
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6(444+26)

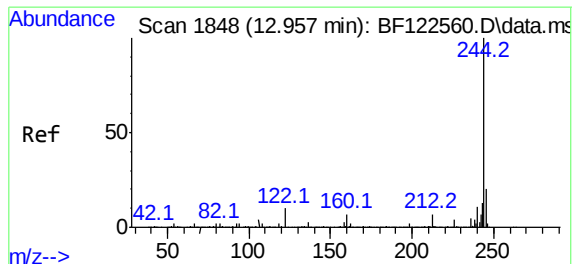
Tgt Ion:240 Resp: 331861
Ion Ratio Lower Upper
240 100
120 9.7 8.6 12.8
236 24.7 20.3 30.5



#78
Pyrene
Concen: 47.64 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.012 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Tgt Ion:202 Resp: 1222299
Ion Ratio Lower Upper
202 100
200 21.8 17.6 26.4
203 17.9 14.6 21.8

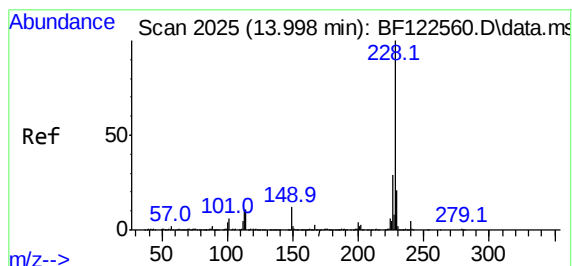
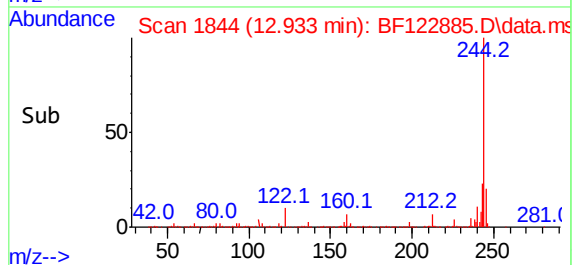
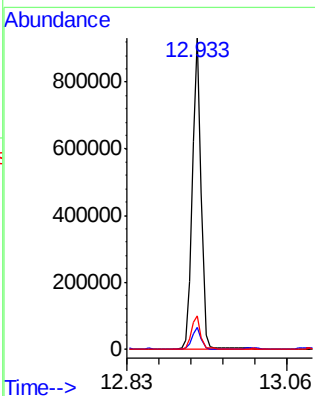
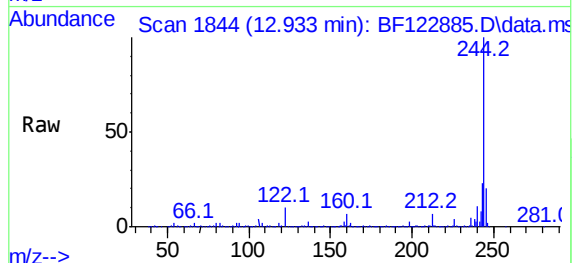




#79
Terphenyl-d14
Concen: 43.20 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

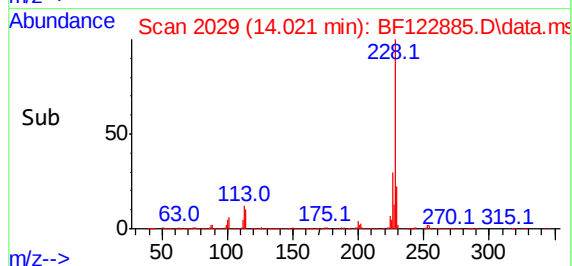
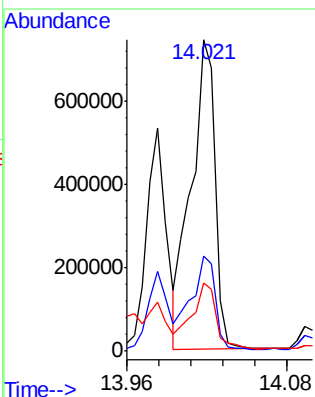
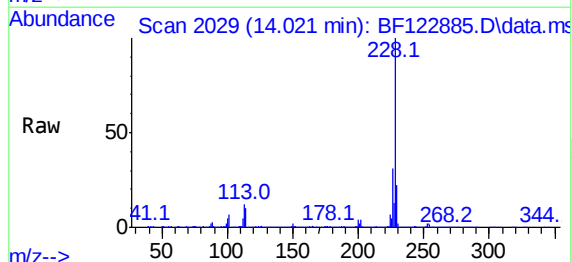
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6(444+26)

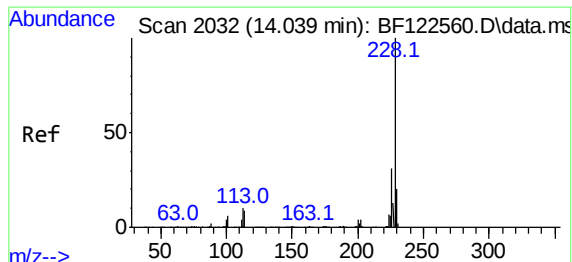
Tgt Ion:244 Resp: 818988
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.5 8.3 12.5



#81
Benzo(a)anthracene
Concen: 41.71 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.047 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Tgt Ion:228 Resp: 925047
Ion Ratio Lower Upper
228 100
226 30.5 23.0 34.4
229 21.8 16.6 24.8

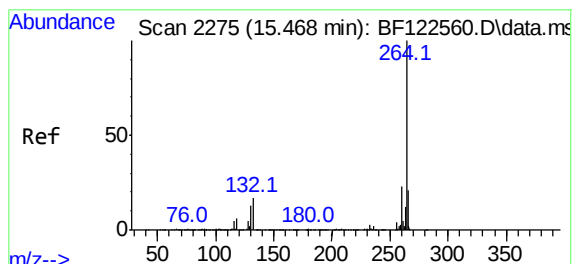
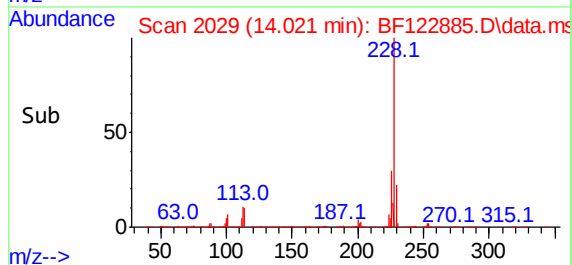
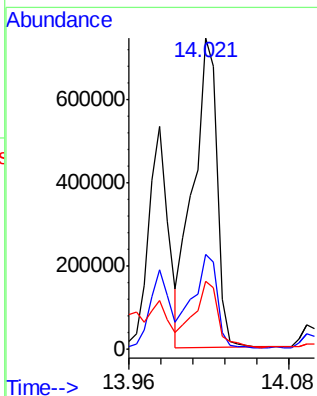
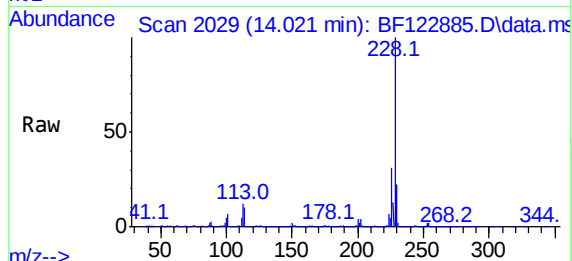




#83
Chrysene
Concen: 41.91 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

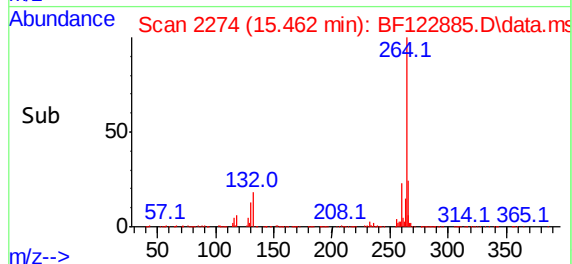
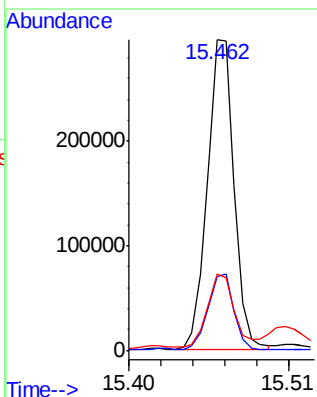
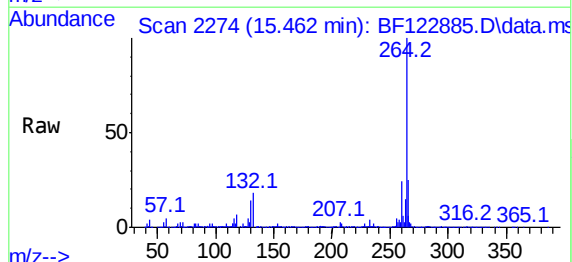
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6(444+26)

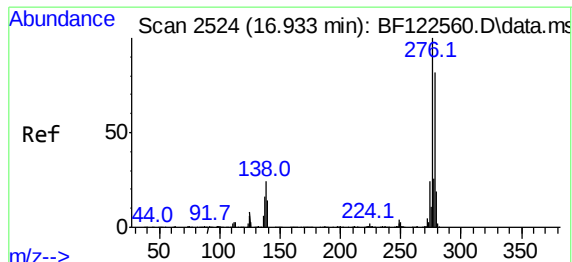
Tgt Ion:228 Resp: 925047
Ion Ratio Lower Upper
228 100
226 30.5 24.6 36.8
229 21.8 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.462 min Scan# 2274
Delta R.T. 0.023 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Tgt Ion:264 Resp: 382732
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 24.7 17.0 25.6

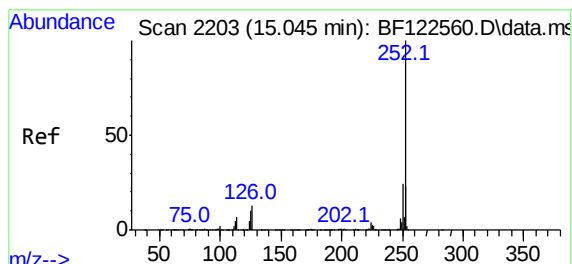
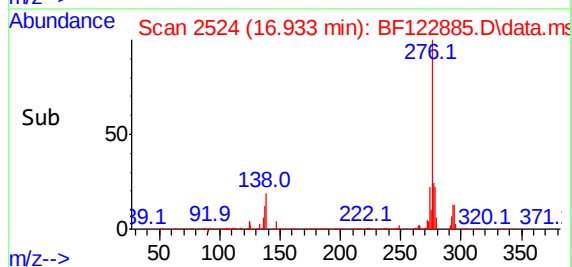
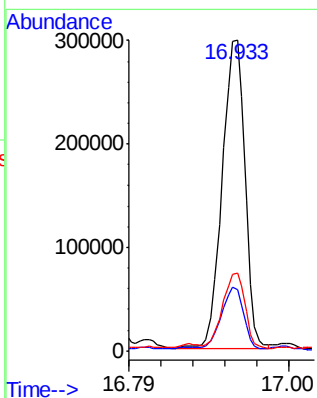
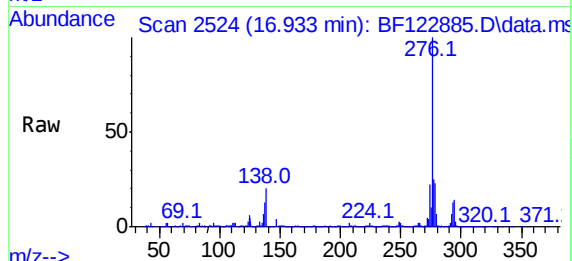




#87
Indeno(1,2,3-cd)pyrene
Concen: 24.66 ng
RT: 16.933 min Scan# 2524
Delta R.T. 0.041 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

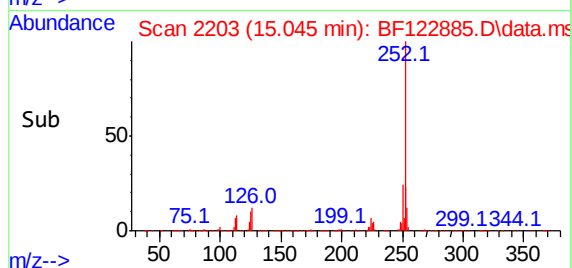
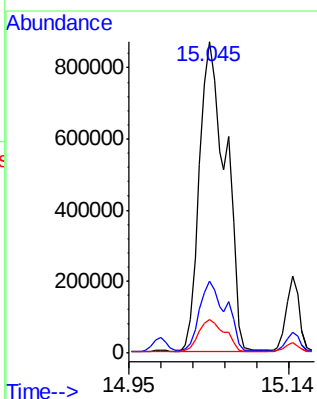
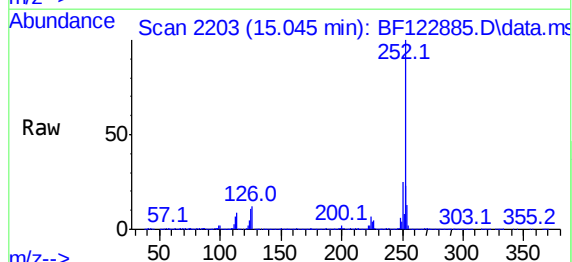
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6(444+26)

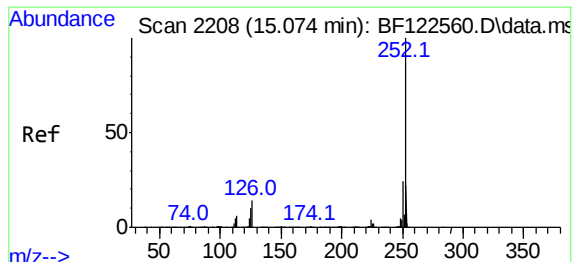
Tgt Ion:276 Resp: 619626
Ion Ratio Lower Upper
276 100
138 19.2 18.7 28.1
277 24.2 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 71.18 ng
RT: 15.045 min Scan# 2203
Delta R.T. 0.023 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Tgt Ion:252 Resp: 1911335
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 10.8 8.1 12.1

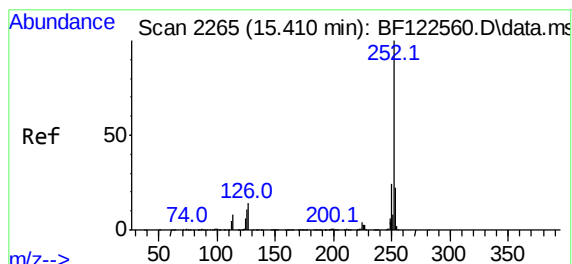
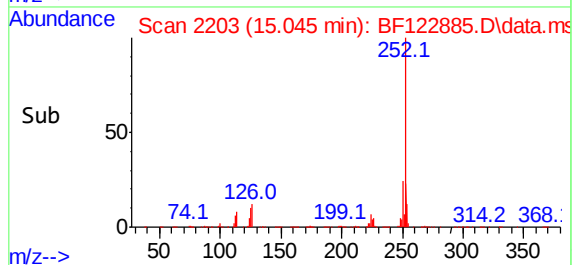
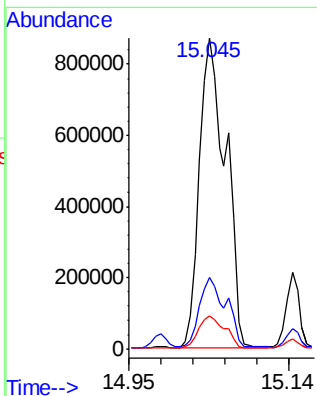
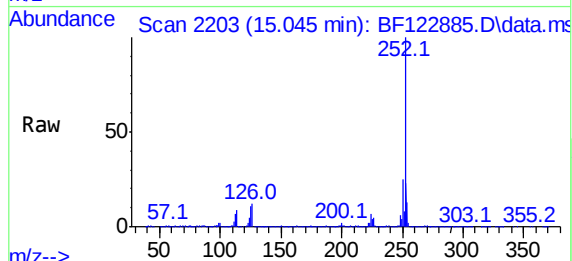




#89
Benzo(k)fluoranthene
Concen: 77.85 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

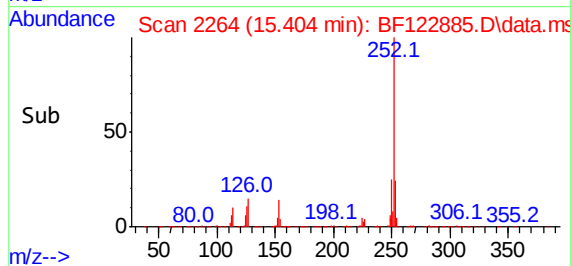
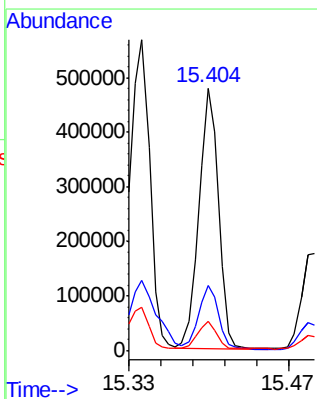
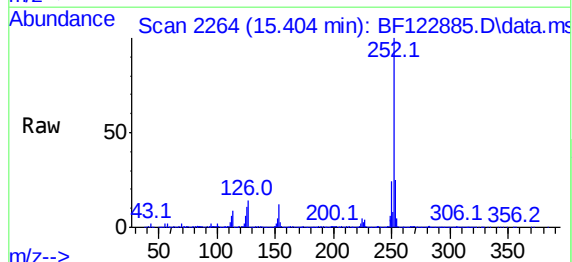
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6(444+26)

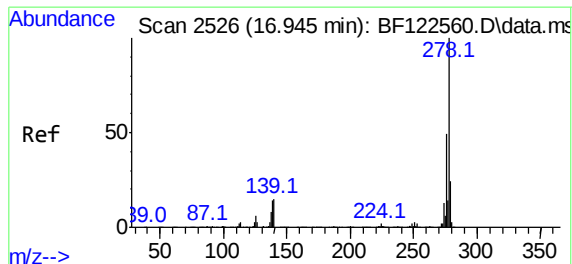
Tgt Ion:252 Resp: 1911335
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 10.8 8.4 12.6



#90
Benzo(a)pyrene
Concen: 24.52 ng
RT: 15.404 min Scan# 2264
Delta R.T. 0.023 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Tgt Ion:252 Resp: 576070
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 11.2 8.6 12.8

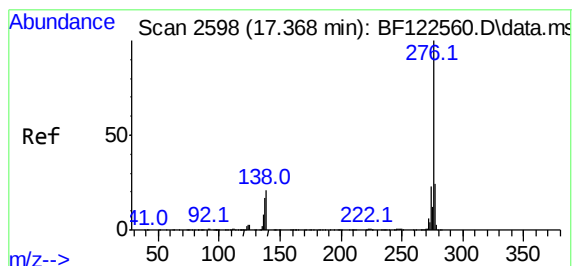
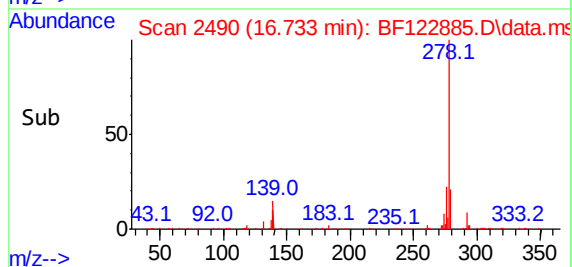
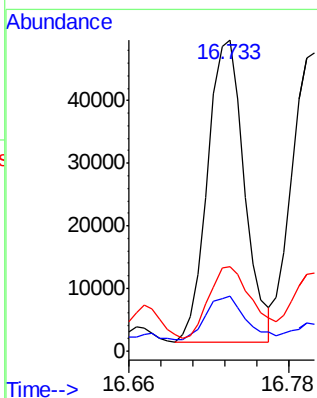
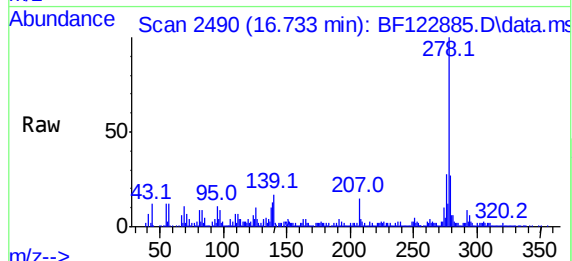




#91
Dibenzo(a,h)anthracene
Concen: 4.49 ng
RT: 16.733 min Scan# 2490
Delta R.T. -0.171 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Instrument :
BNA_F
ClientSampleId :
SAMPLE-6(444+26)

Tgt Ion:278 Resp: 92329
Ion Ratio Lower Upper
278 100
139 17.5 12.0 18.0
279 27.2 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 30.69 ng
RT: 17.380 min Scan# 2600
Delta R.T. 0.053 min
Lab File: BF122885.D
Acq: 30 Dec 2020 18:32

Tgt Ion:276 Resp: 610675
Ion Ratio Lower Upper
276 100
277 23.4 19.3 28.9
138 19.3 16.6 24.8

