

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
 Data File : BF122886.D
 Acq On : 30 Dec 2020 19:03
 Operator : JU/CG
 Sample : L5242-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Dec 31 00:55:57 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

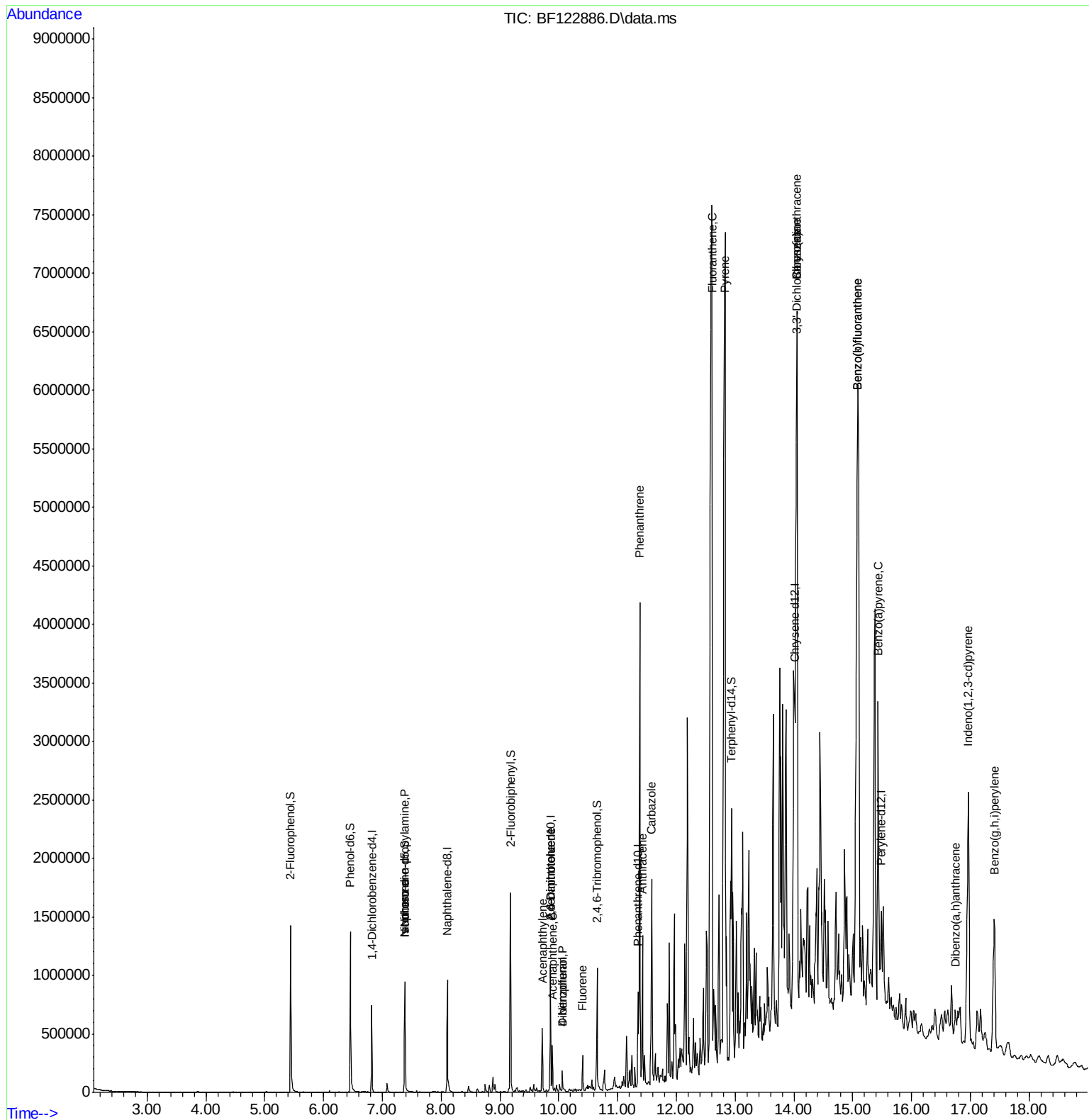
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	120499	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	434699	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	211255	20.00	ng	0.00
64) Phenanthrene-d10	11.351	188	347106	20.00	ng	0.00
76) Chrysene-d12	14.010	240	281084	20.00	ng	0.02
86) Perylene-d12	15.486	264	386670	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	442295	58.11	ng	0.00
7) Phenol-d6	6.457	99	513806	50.90	ng	0.00
23) Nitrobenzene-d5	7.381	82	307058	35.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	139252	50.36	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	580800	37.19	ng	0.00
79) Terphenyl-d14	12.939	244	586707	36.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.381	70	40015	6.92	ng	Qvalue # 76
25) Isophorone	7.381	82	307054	20.55	ng	# 65
49) Acenaphthylene	9.722	152	238794	11.13	ng	97
51) 2,6-Dinitrotoluene	9.857	165	27874	7.82	ng	# 32
52) Acenaphthene	9.892	154	81232	5.85	ng	98
55) Dibenzofuran	10.063	168	63865	3.27	ng	97
56) 4-Nitrophenol	10.063	139	22594	7.70	ng	# 16
57) 2,4-Dinitrotoluene	9.857	165	27874	5.87	ng	# 26
58) Fluorene	10.404	166	93808	6.04	ng	96
71) Phenanthrene	11.380	178	1761248	85.38	ng	100
72) Anthracene	11.427	178	515488	25.20	ng	98
73) Carbazole	11.580	167	725418	39.10	ng	99
75) Fluoranthene	12.604	202	6908178	319.35	ng	98
78) Pyrene	12.833	202	5833989	268.45	ng	97
81) Benzo(a)anthracene	14.051	228	4142976	220.55	ng	94
82) 3,3'-Dichlorobenzidine	14.045	252	28504	4.24	ng	# 2
83) Chrysene	14.051	228	4142976	221.62	ng	96
87) Indeno(1,2,3-cd)pyrene	16.968	276	1349260	53.16	ng	96
88) Benzo(b)fluoranthene	15.080	252	6483568	238.99	ng	98
89) Benzo(k)fluoranthene	15.080	252	6483568	261.38	ng	98
90) Benzo(a)pyrene	15.433	252	1450980	61.13	ng	94
91) Dibenzo(a,h)anthracene	16.751	278	199153	9.59	ng	95
92) Benzo(g,h,i)perylene	17.409	276	1105967	55.01	ng	99

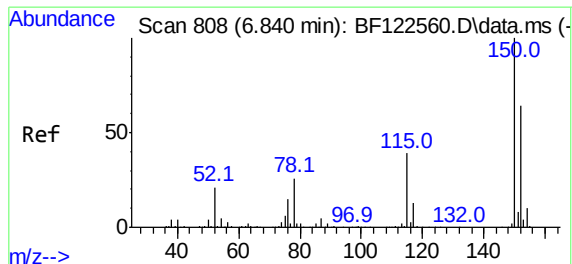
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122886.D
Acq On : 30 Dec 2020 19:03
Operator : JU/CG
Sample : L5242-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Dec 31 00:55:57 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

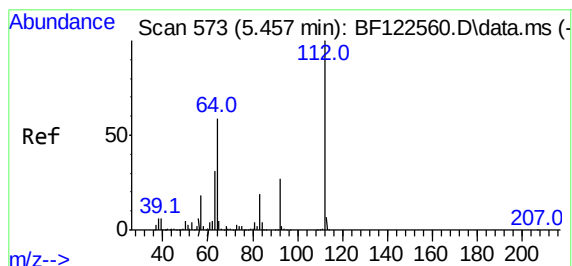
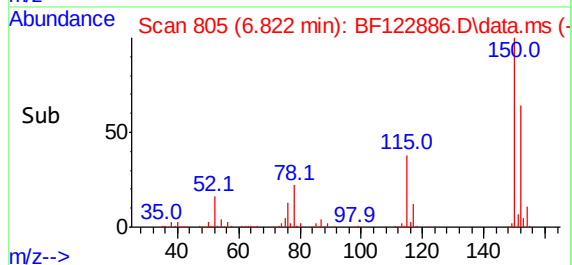
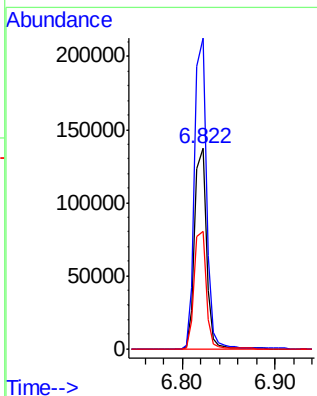
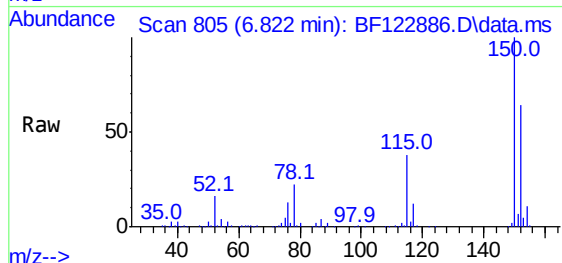




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

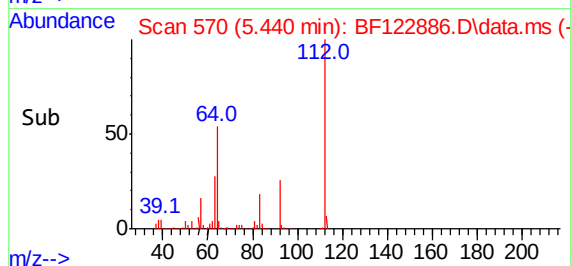
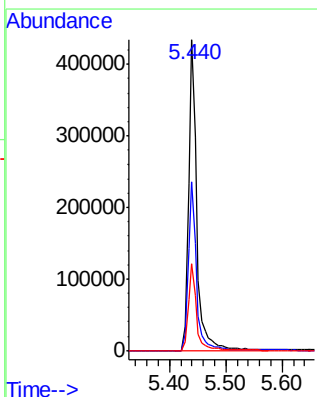
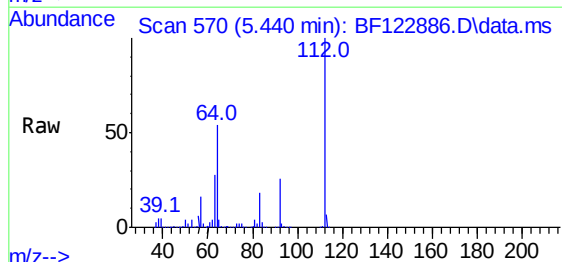
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

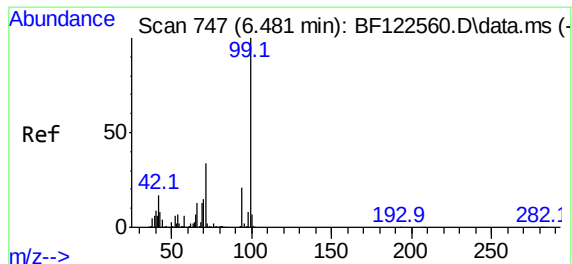
Tgt Ion:152 Resp: 120499
Ion Ratio Lower Upper
152 100
150 155.3 125.8 188.6
115 58.7 49.3 73.9



#5
2-Fluorophenol
Concen: 58.11 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion:112 Resp: 442295
Ion Ratio Lower Upper
112 100
64 54.4 46.9 70.3
63 27.9 24.5 36.7

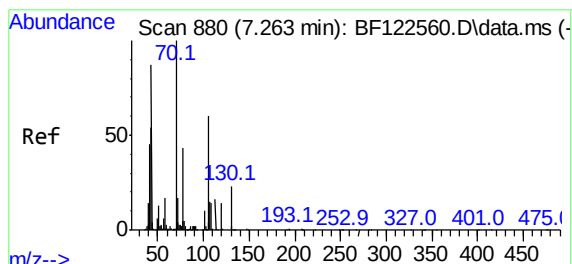
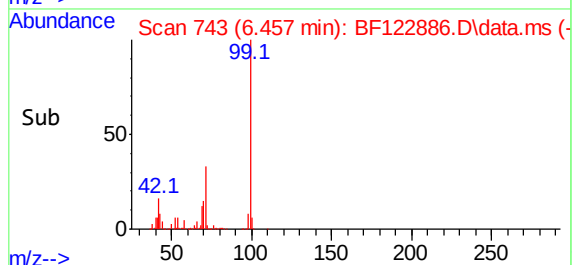
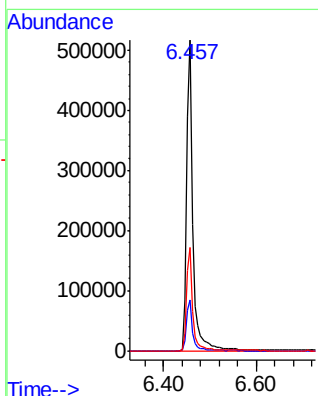
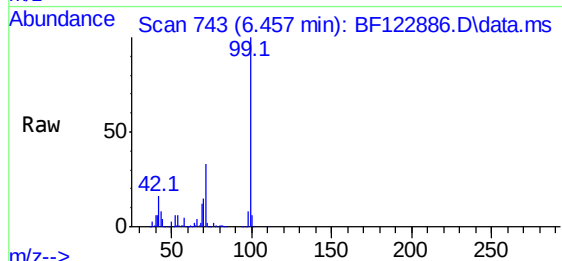




#7
Phenol-d6
Concen: 50.90 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

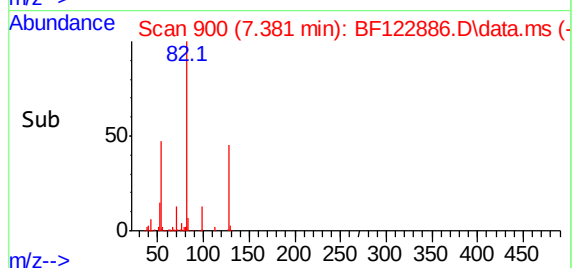
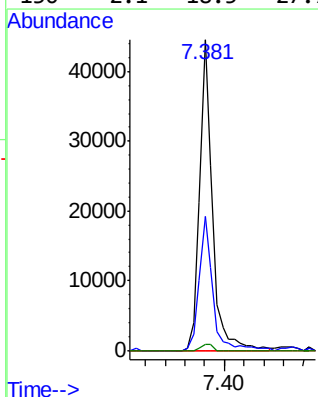
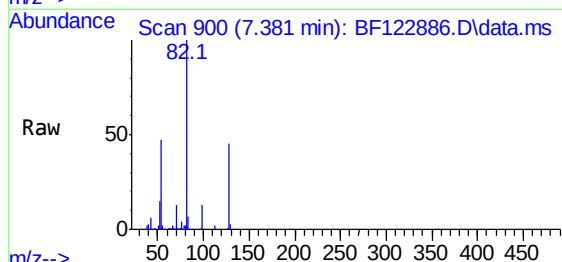
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

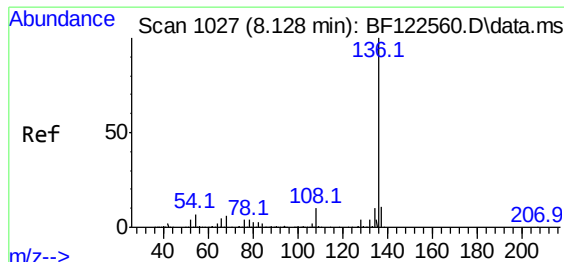
Tgt Ion: 99 Resp: 513806
Ion Ratio Lower Upper
99 100
42 16.2 13.8 20.6
71 33.2 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 6.92 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion: 70 Resp: 40015
Ion Ratio Lower Upper
70 100
42 43.3 43.0 64.4
101 0.0 7.9 11.9#
130 2.1 18.5 27.7#

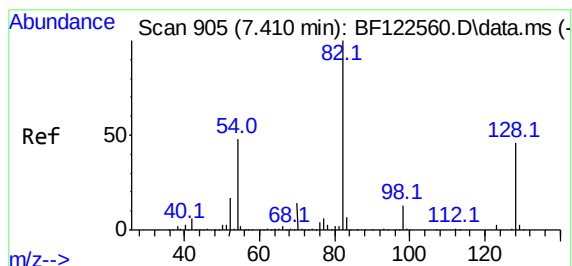
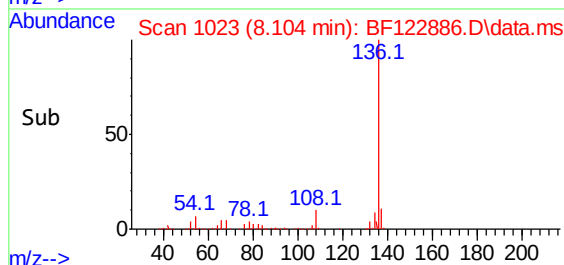
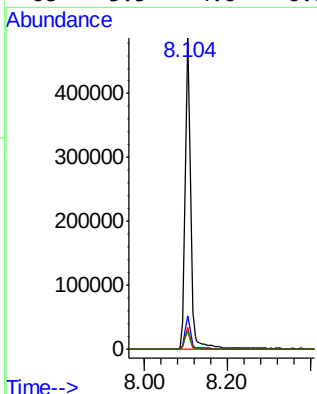
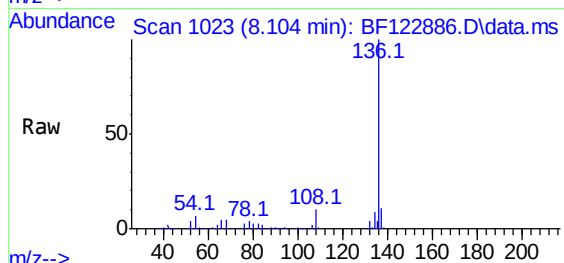




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

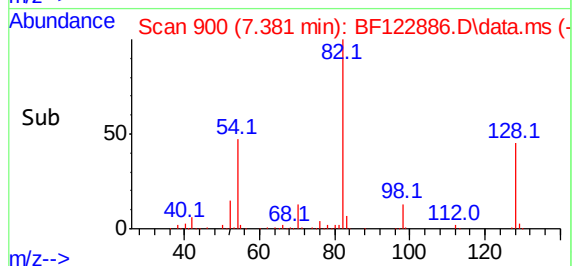
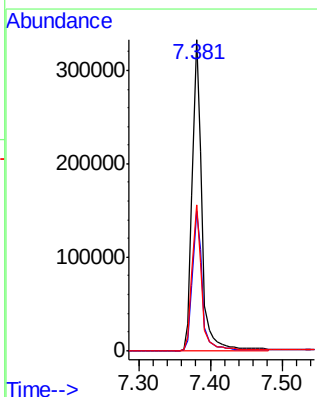
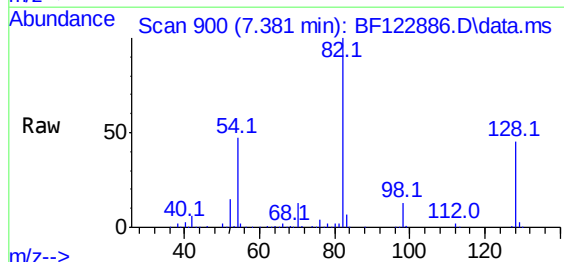
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

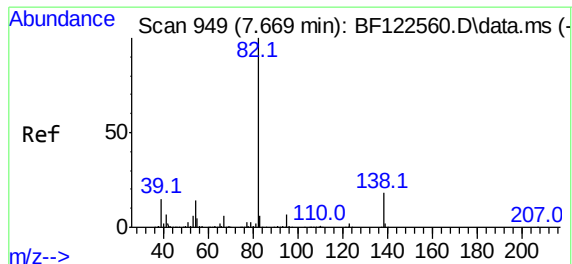
Tgt Ion:136 Resp: 434699
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.9 5.5 8.3
68 5.5 4.6 6.8



#23
Nitrobenzene-d5
Concen: 35.39 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion: 82 Resp: 307058
Ion Ratio Lower Upper
82 100
128 44.9 37.0 55.4
54 46.7 38.4 57.6

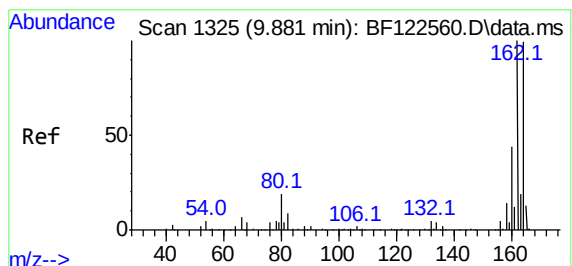
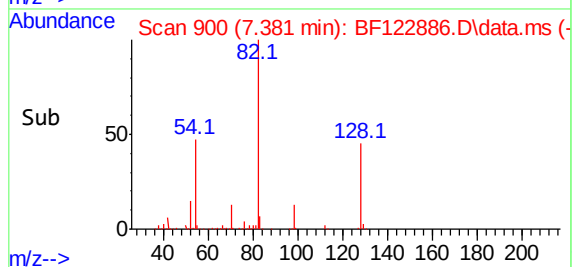
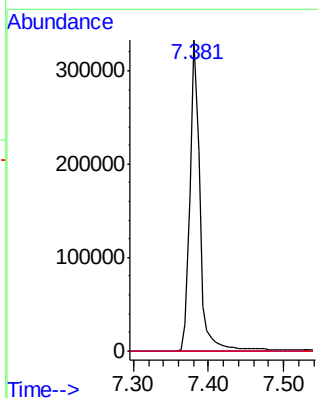
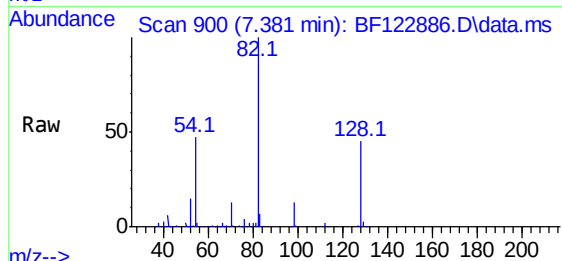




#25
Isophorone
Concen: 20.55 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

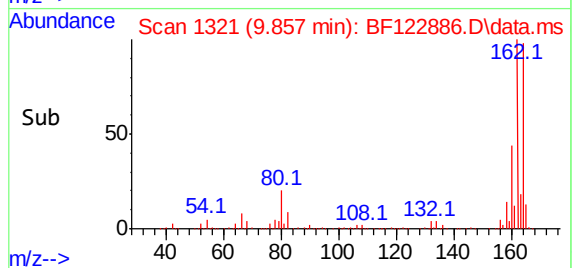
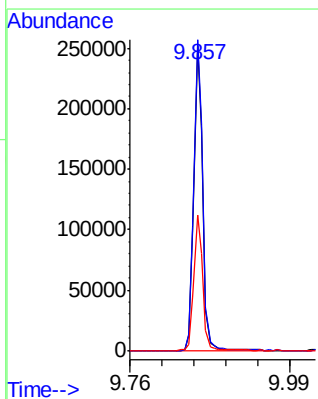
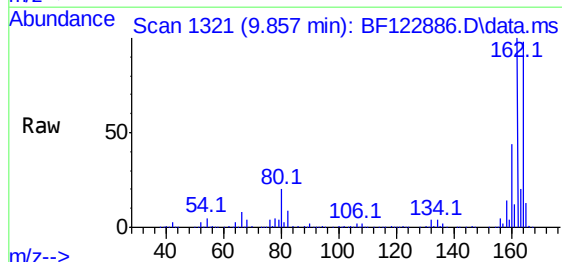
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

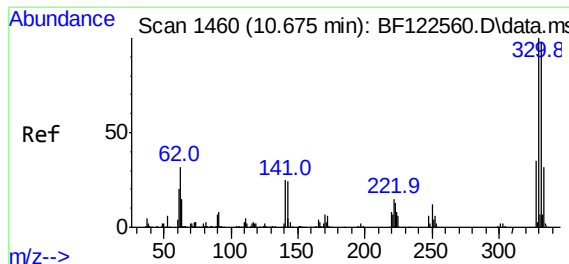
Tgt Ion: 82 Resp: 307054
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion:164 Resp: 211255
Ion Ratio Lower Upper
164 100
162 102.3 80.8 121.2
160 44.7 35.4 53.0



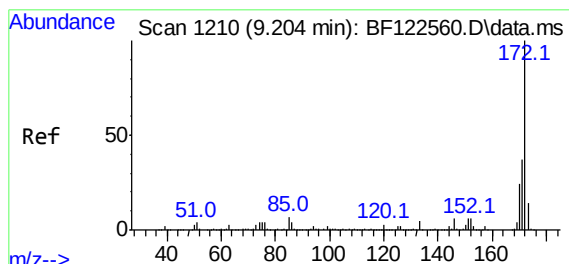
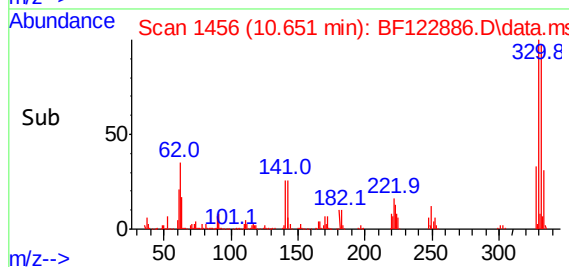
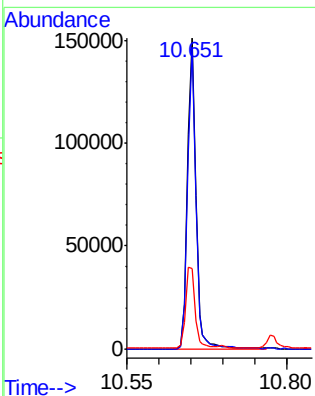
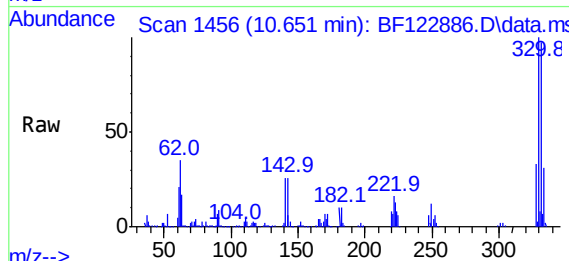


#42
 2,4,6-Tribromophenol
 Concen: 50.36 ng
 RT: 10.651 min Scan# 1456
 Delta R.T. -0.000 min
 Lab File: BF122886.D
 Acq: 30 Dec 2020 19:03

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

Tgt Ion: 330 Resp: 139252

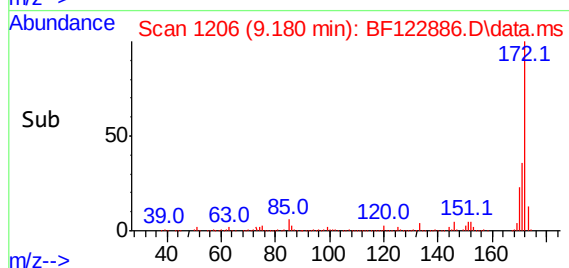
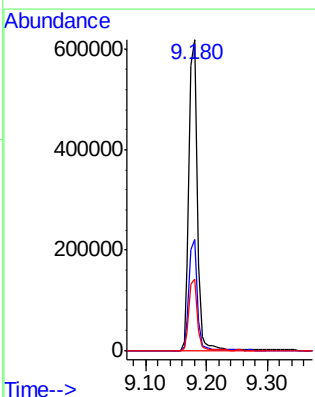
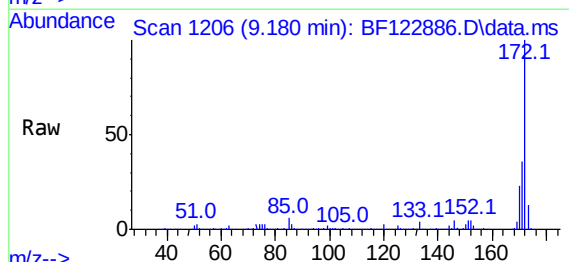
Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.5	116.3
141	28.6	23.8	35.8

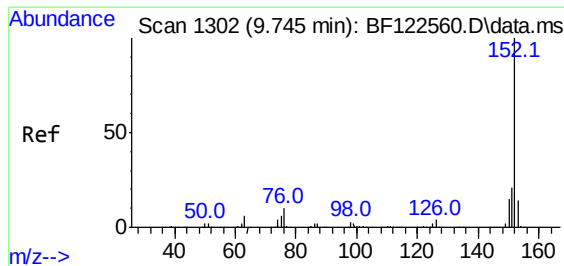


#45
 2-Fluorobiphenyl
 Concen: 37.19 ng
 RT: 9.180 min Scan# 1206
 Delta R.T. -0.006 min
 Lab File: BF122886.D
 Acq: 30 Dec 2020 19:03

Tgt Ion: 172 Resp: 580800

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.0	19.5	29.3

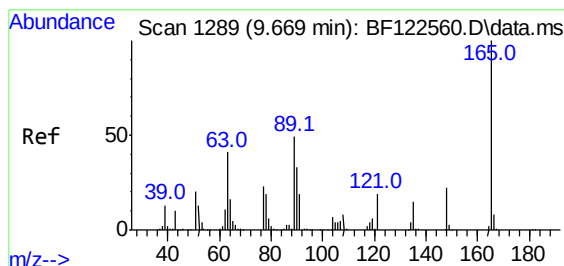
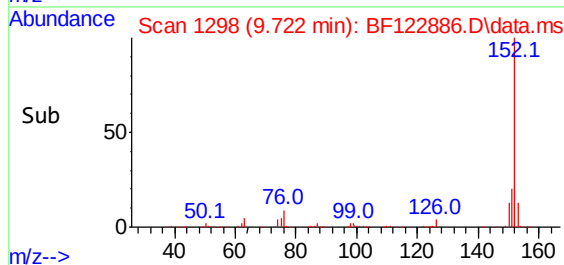
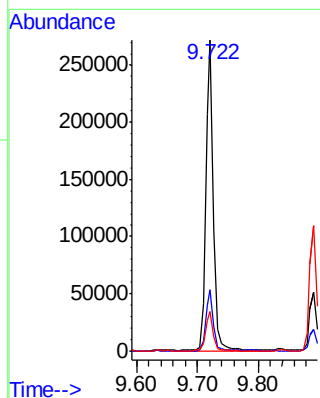
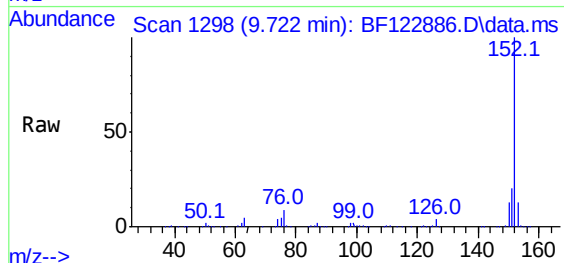




#49
Acenaphthylene
Concen: 11.13 ng
RT: 9.722 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

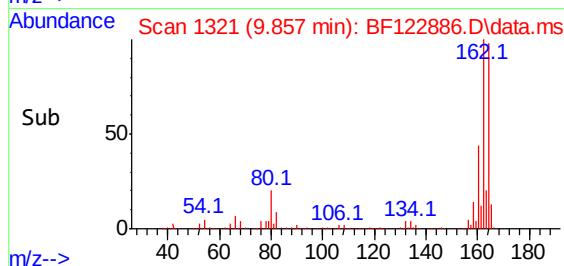
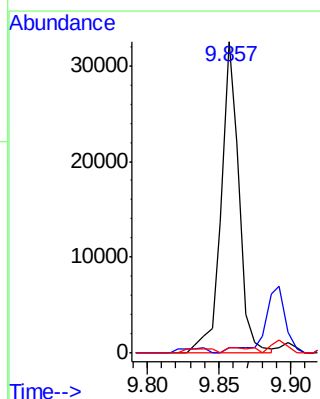
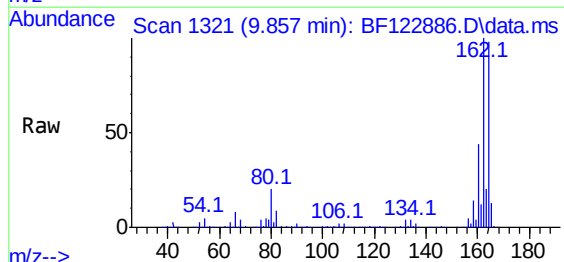
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

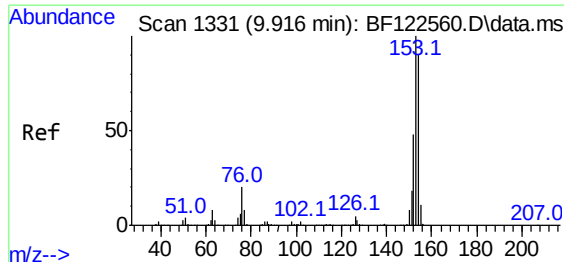
Tgt Ion:152 Resp: 238794
Ion Ratio Lower Upper
152 100
151 19.6 16.6 25.0
153 12.6 10.9 16.3



#51
2,6-Dinitrotoluene
Concen: 7.82 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion:165 Resp: 27874
Ion Ratio Lower Upper
165 100
63 1.6 36.6 55.0#
89 1.5 39.4 59.0#





#52

Acenaphthene

Concen: 5.85 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF122886.D

Acq: 30 Dec 2020 19:03

Tgt Ion:154 Resp: 81232

Ion Ratio Lower Upper

154 100

153 115.0 89.0 133.6

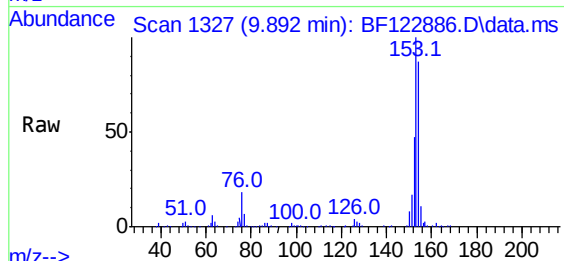
152 53.5 42.7 64.1

Instrument :

BNA_F

ClientSampleId :

SAMPLE-7(434+26)



Abundance

100000

80000

60000

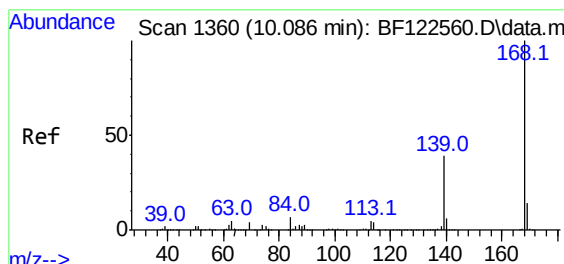
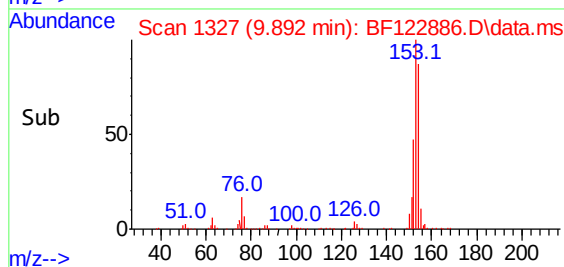
40000

20000

0

9.892

Time-->



#55

Dibenzofuran

Concen: 3.27 ng

RT: 10.063 min Scan# 1356

Delta R.T. -0.006 min

Lab File: BF122886.D

Acq: 30 Dec 2020 19:03

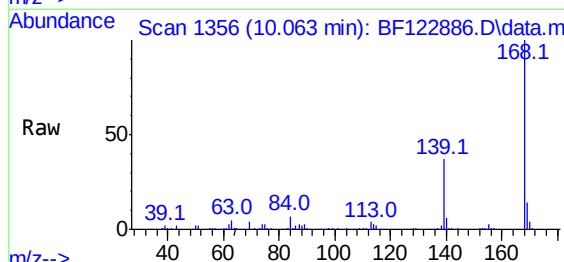
Tgt Ion:168 Resp: 63865

Ion Ratio Lower Upper

168 100

139 36.6 31.3 46.9

169 14.4 11.2 16.8



Abundance

60000

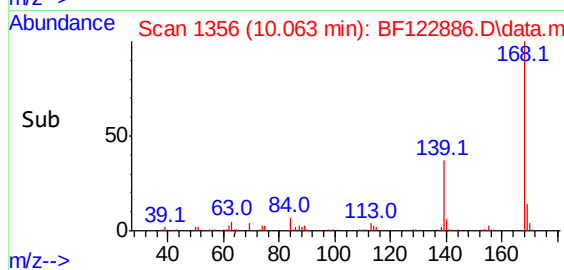
40000

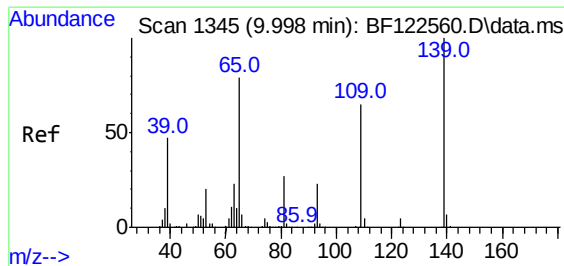
20000

0

10.063

Time-->

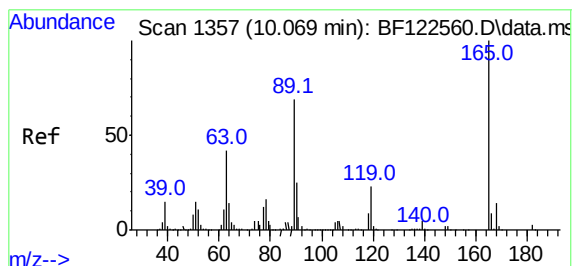
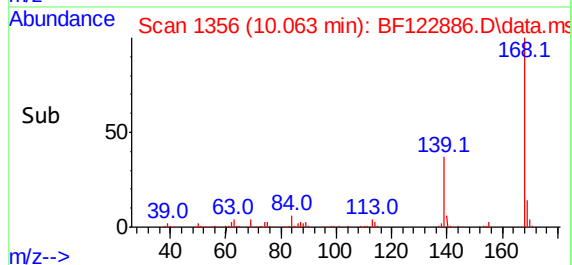
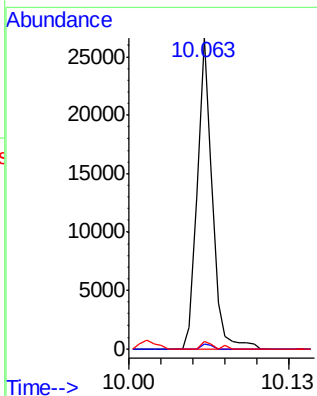
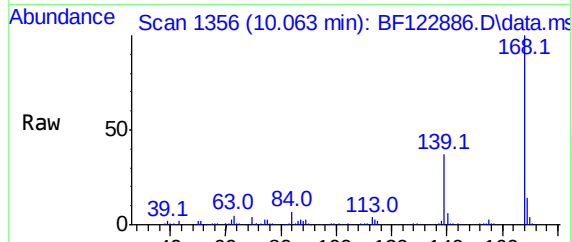




#56
4-Nitrophenol
Concen: 7.70 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.088 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

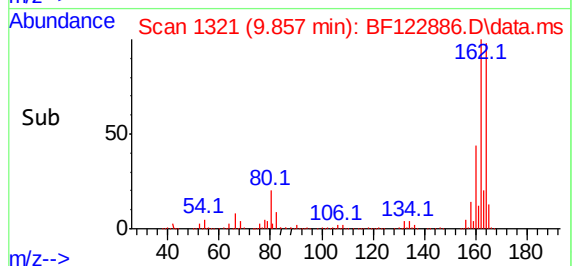
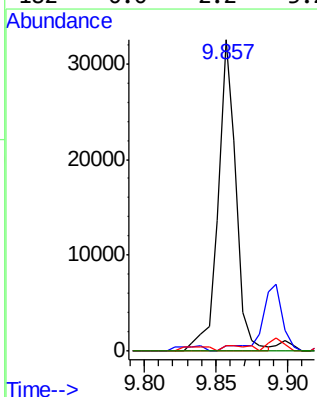
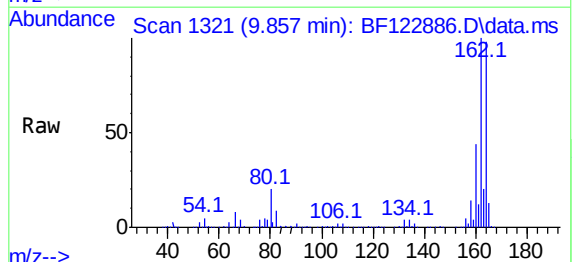
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

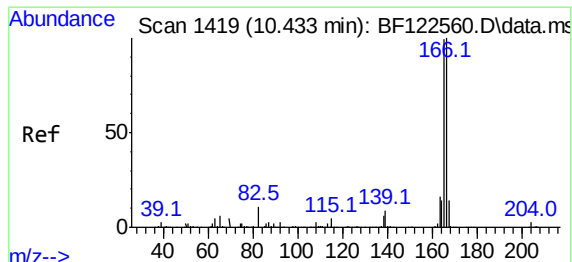
Tgt Ion:139 Resp: 22594
Ion Ratio Lower Upper
139 100
109 1.5 45.1 85.1#
65 2.3 59.2 99.2#



#57
2,4-Dinitrotoluene
Concen: 5.87 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion:165 Resp: 27874
Ion Ratio Lower Upper
165 100
63 1.6 34.3 51.5#
89 1.5 55.2 82.8#
182 0.0 2.2 3.2#

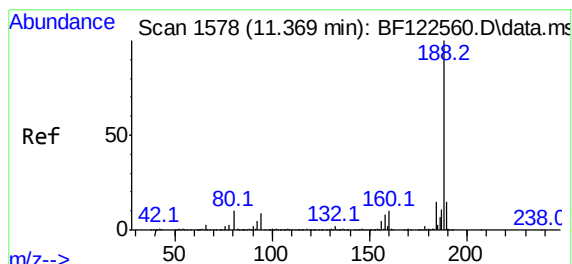
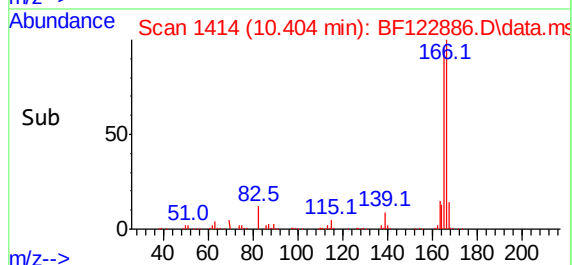
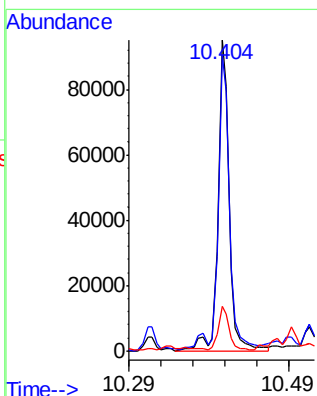
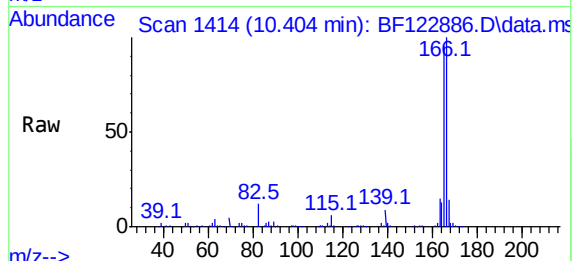




#58
Fluorene
Concen: 6.04 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

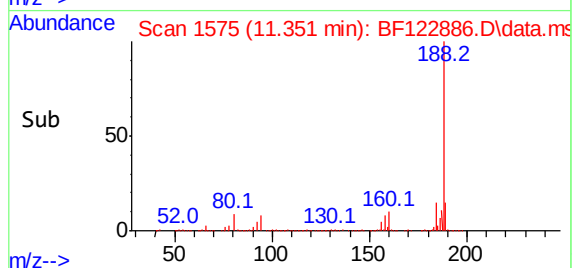
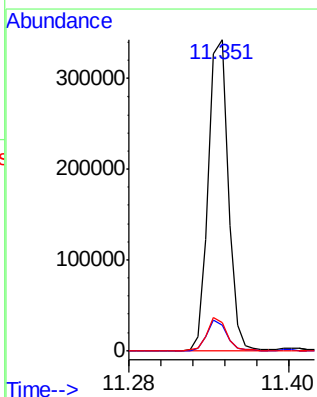
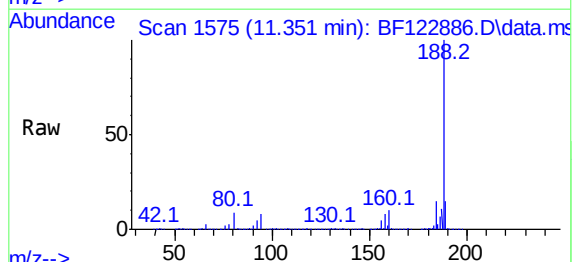
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

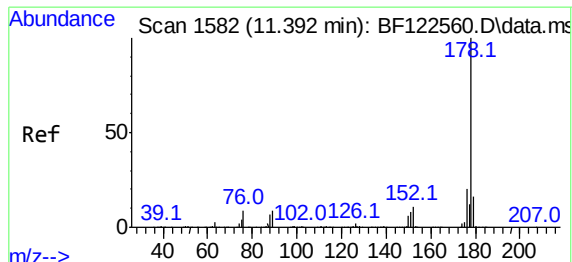
Tgt Ion:166 Resp: 93808
Ion Ratio Lower Upper
166 100
165 95.1 79.4 119.0
167 14.3 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion:188 Resp: 347106
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.2
80 8.9 8.2 12.4

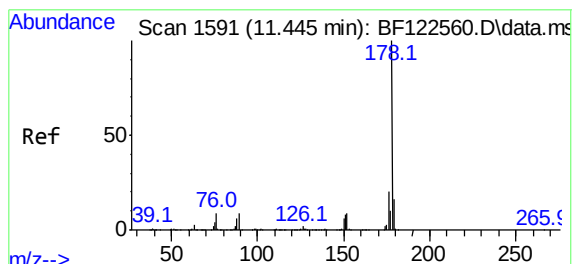
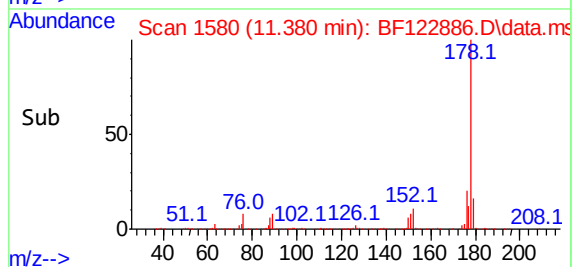
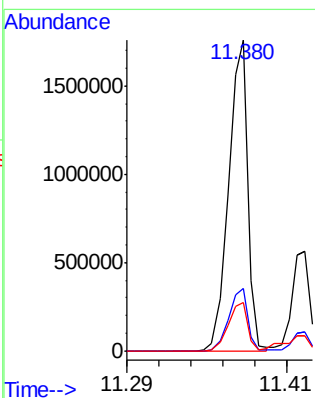
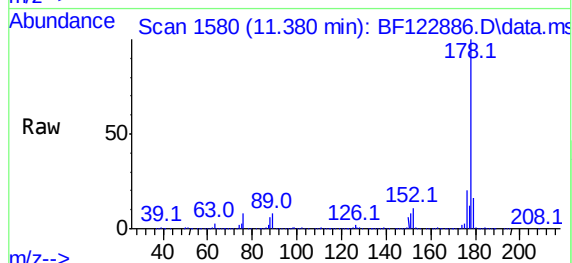




#71
Phenanthrene
Concen: 85.38 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.012 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

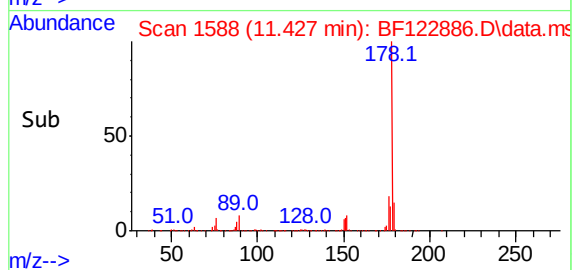
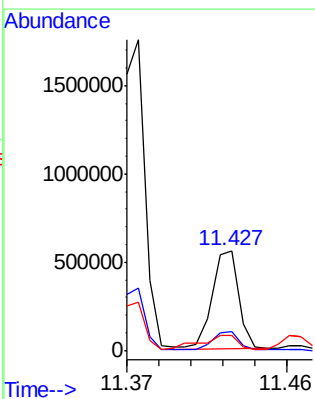
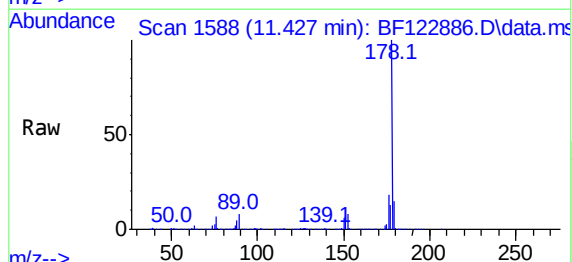
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

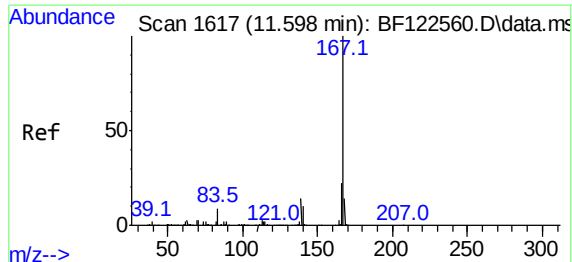
Tgt Ion:178 Resp: 1761248
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.2
179 15.6 12.7 19.1



#72
Anthracene
Concen: 25.20 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

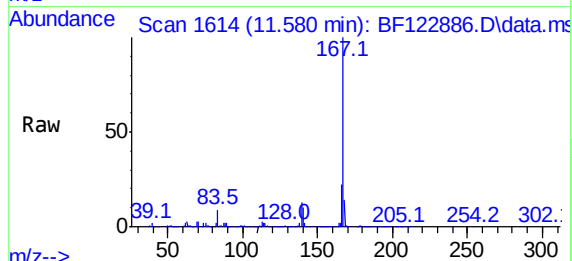
Tgt Ion:178 Resp: 515488
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.4 12.8 19.2





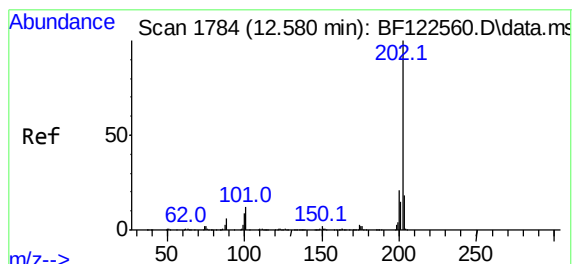
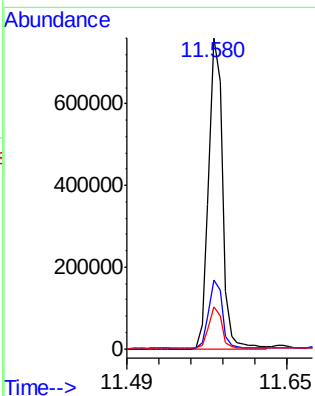
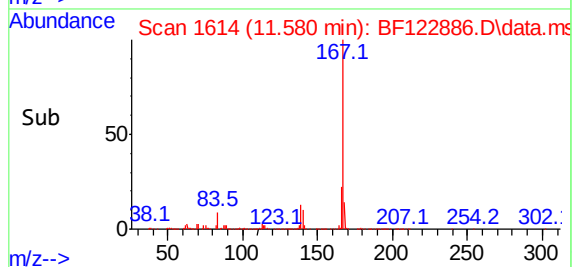
#73
 Carbazole
 Concen: 39.10 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. 0.006 min
 Lab File: BF122886.D
 Acq: 30 Dec 2020 19:03

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



Tgt Ion:167 Resp: 725418

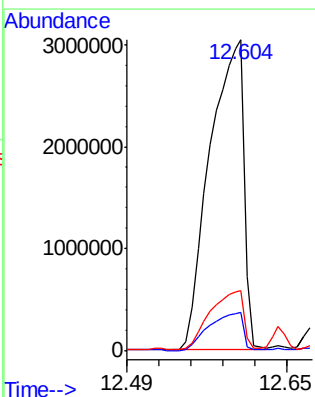
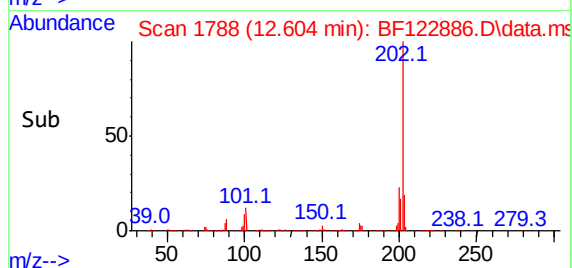
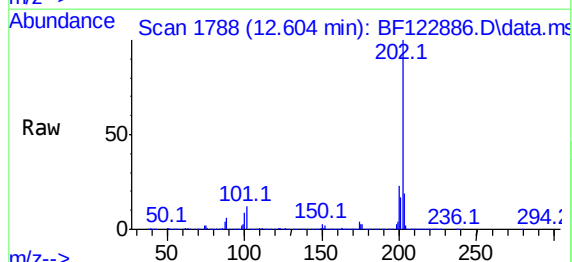
Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	13.3	10.9	16.3

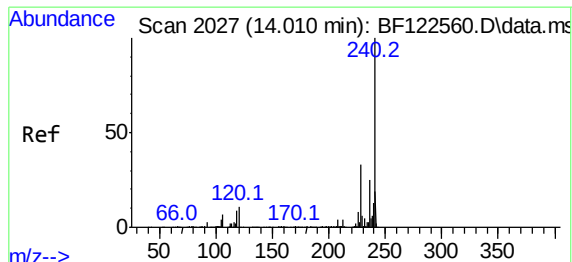


#75
 Fluoranthene
 Concen: 319.35 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. 0.047 min
 Lab File: BF122886.D
 Acq: 30 Dec 2020 19:03

Tgt Ion:202 Resp: 6908178

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.2
203	19.4	0.0	38.1

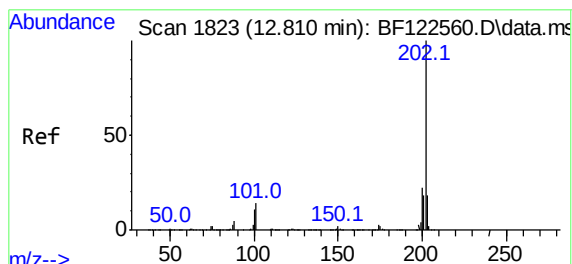
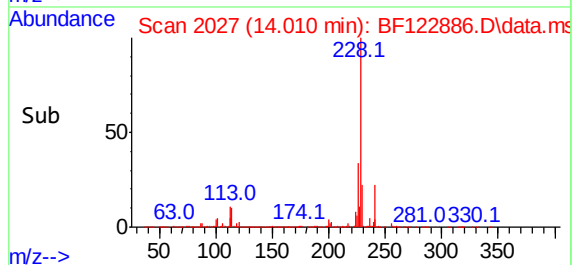
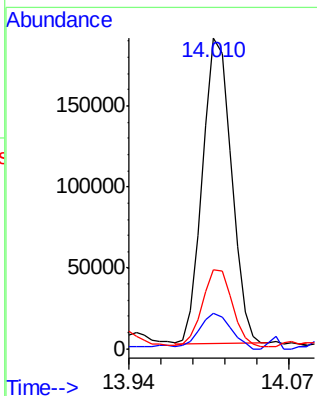
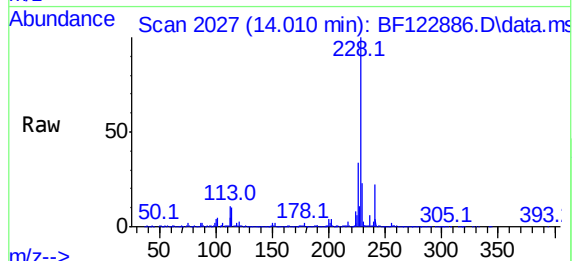




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.023 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

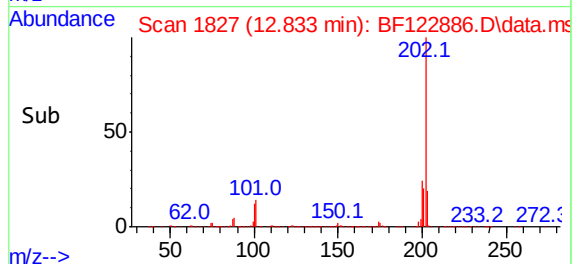
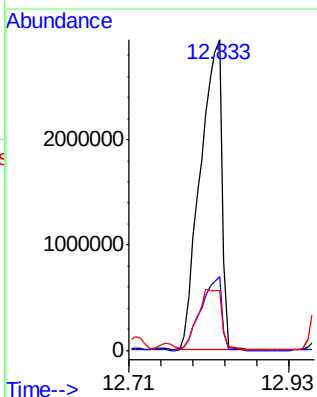
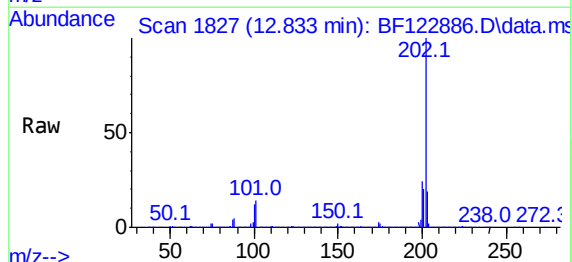
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

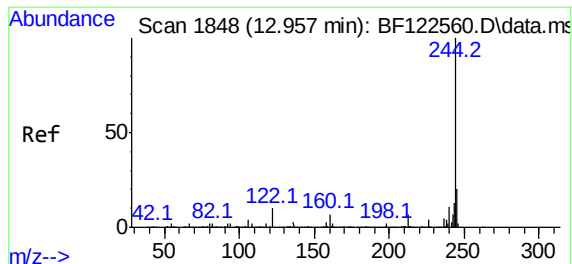
Tgt Ion:240 Resp: 281084
Ion Ratio Lower Upper
240 100
120 11.6 8.6 12.8
236 25.6 20.3 30.5



#78
Pyrene
Concen: 268.45 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.047 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion:202 Resp: 5833989
Ion Ratio Lower Upper
202 100
200 23.6 17.6 26.4
203 19.4 14.6 21.8

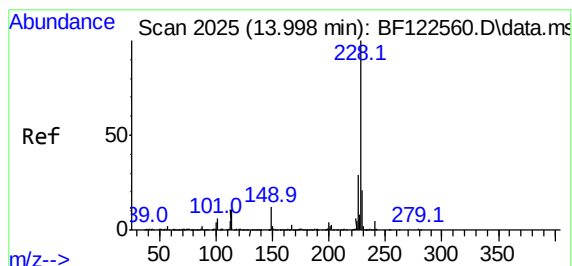
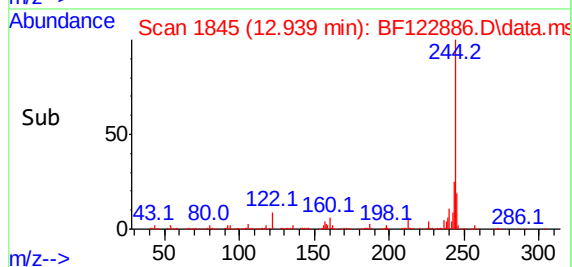
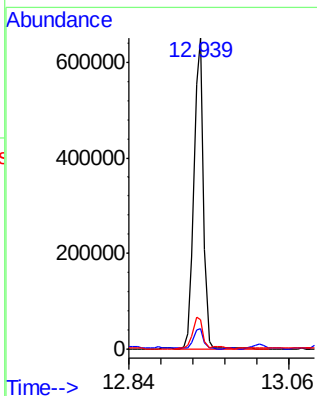
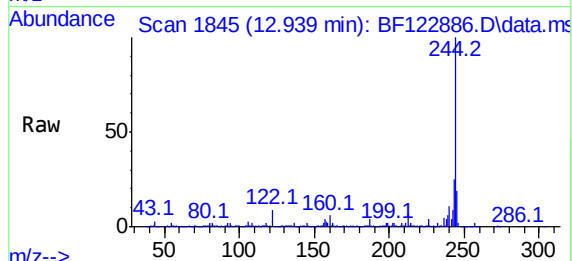




#79
 Terphenyl-d14
 Concen: 36.54 ng
 RT: 12.939 min Scan# 1845
 Delta R.T. 0.006 min
 Lab File: BF122886.D
 Acq: 30 Dec 2020 19:03

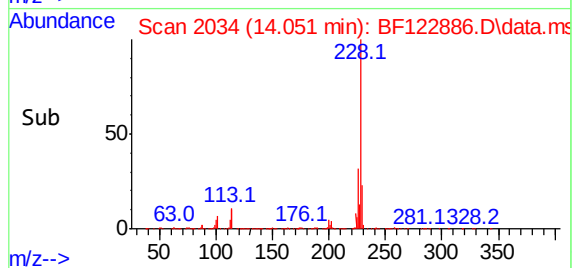
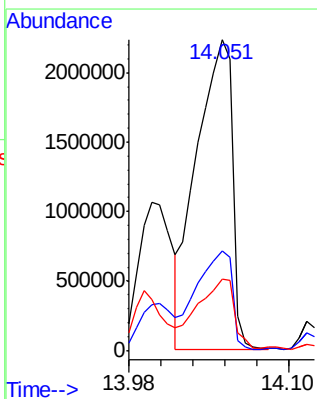
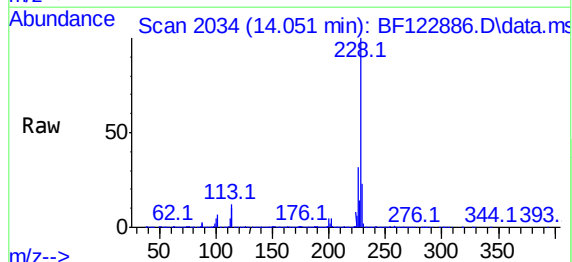
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-7(434+26)

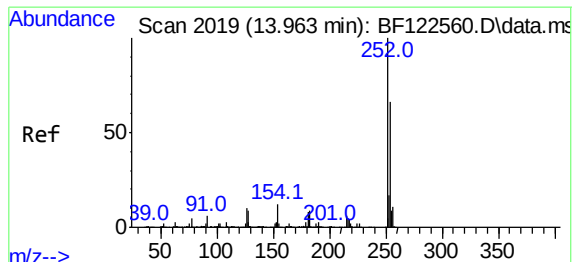
Tgt Ion:244 Resp: 586707
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 9.4 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 220.55 ng
 RT: 14.051 min Scan# 2034
 Delta R.T. 0.076 min
 Lab File: BF122886.D
 Acq: 30 Dec 2020 19:03

Tgt Ion:228 Resp: 4142976
 Ion Ratio Lower Upper
 228 100
 226 32.2 23.0 34.4
 229 22.8 16.6 24.8

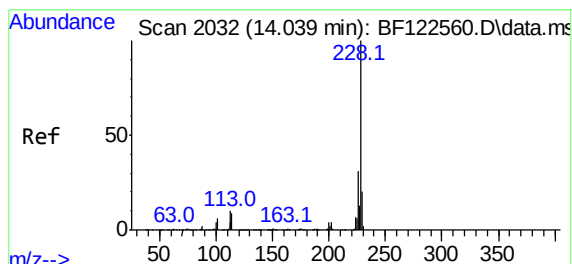
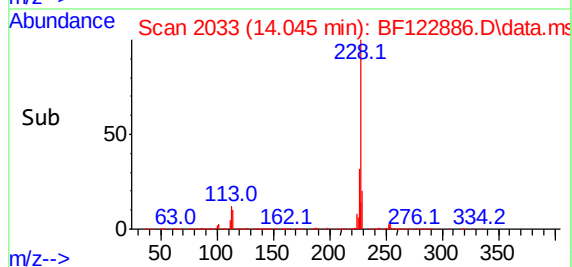
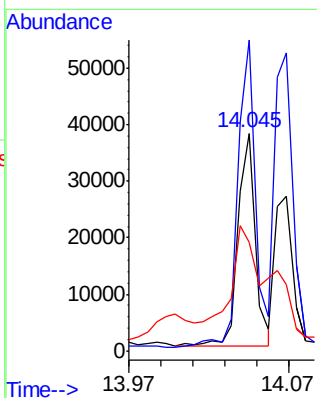
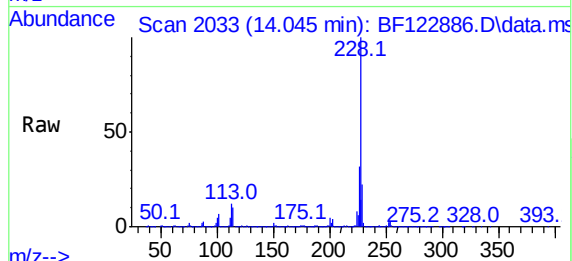




#82
 3,3'-Dichlorobenzidine
 Concen: 4.24 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. 0.106 min
 Lab File: BF122886.D
 Acq: 30 Dec 2020 19:03

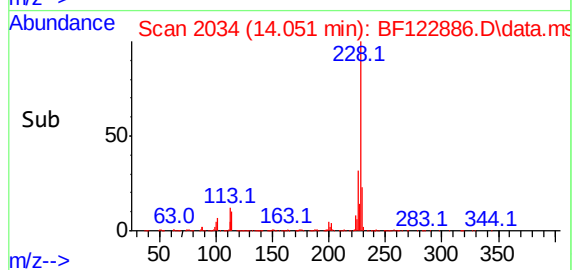
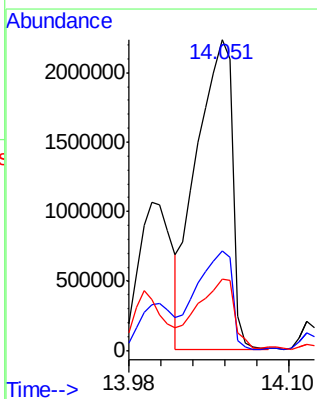
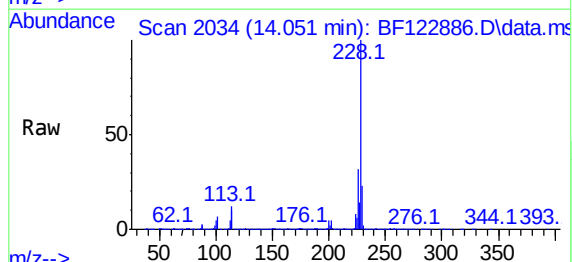
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-7(434+26)

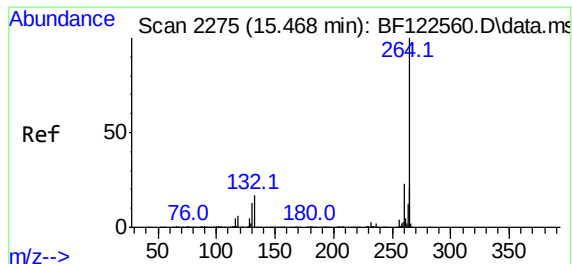
Tgt Ion:252 Resp: 28504
 Ion Ratio Lower Upper
 252 100
 254 142.8 52.7 79.1#
 126 49.6 8.0 12.0#



#83
 Chrysene
 Concen: 221.62 ng
 RT: 14.051 min Scan# 2034
 Delta R.T. 0.035 min
 Lab File: BF122886.D
 Acq: 30 Dec 2020 19:03

Tgt Ion:228 Resp: 4142976
 Ion Ratio Lower Upper
 228 100
 226 32.2 24.6 36.8
 229 22.8 15.8 23.6

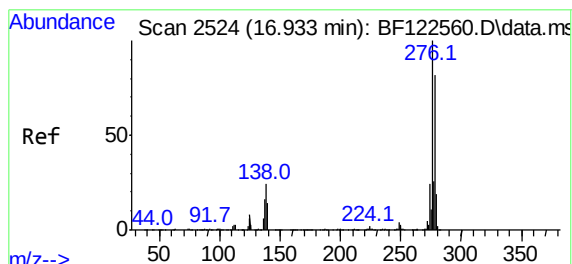
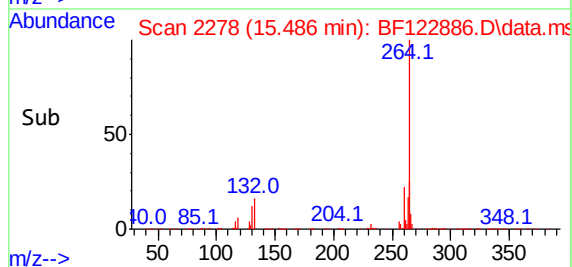
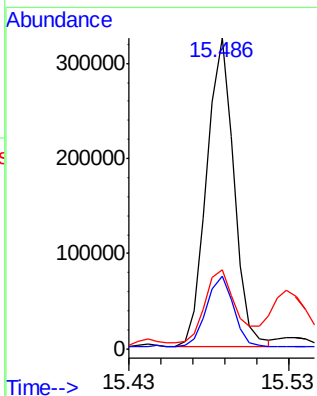
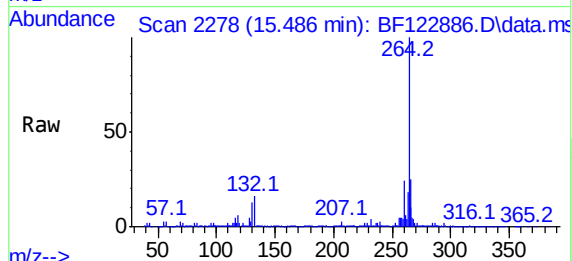




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.047 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

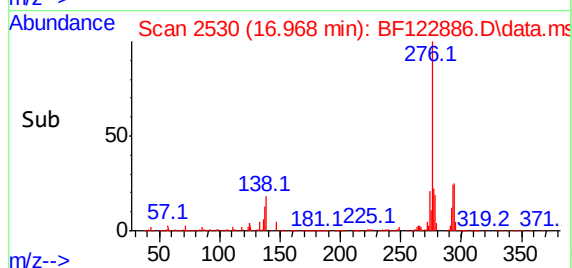
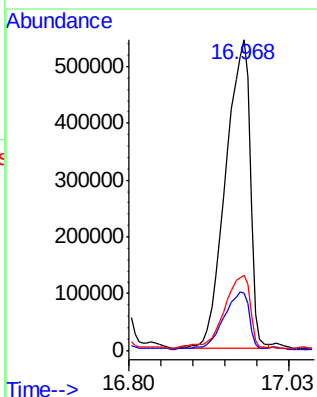
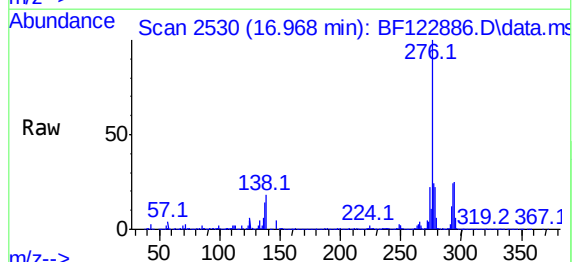
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

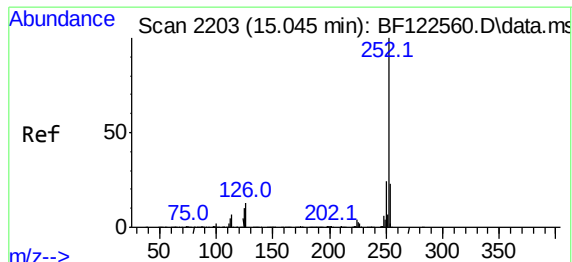
Tgt Ion:264 Resp: 386670
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 25.3 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 53.16 ng
RT: 16.968 min Scan# 2530
Delta R.T. 0.076 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion:276 Resp: 1349260
Ion Ratio Lower Upper
276 100
138 19.0 18.7 28.1
277 25.2 20.2 30.4

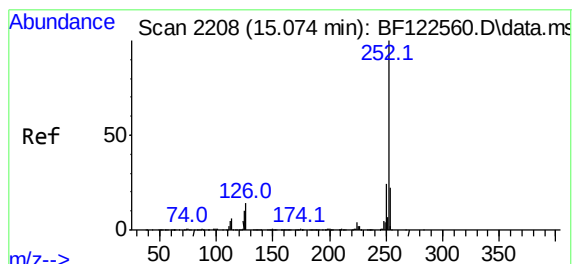
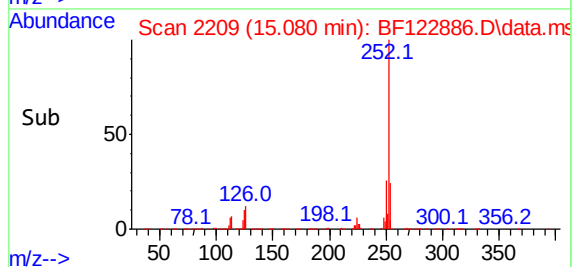
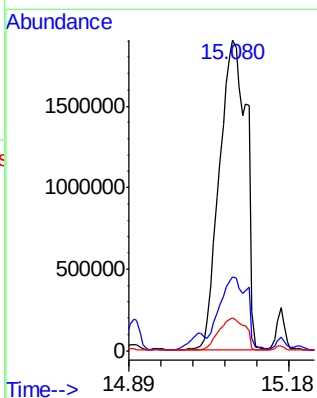
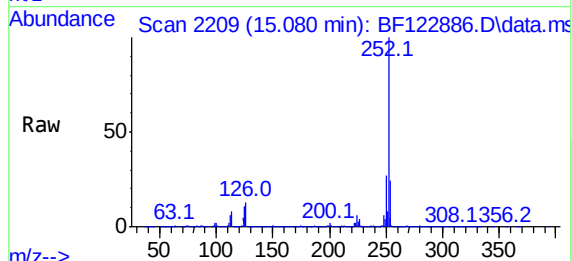




#88
Benzo(b)fluoranthene
Concen: 238.99 ng
RT: 15.080 min Scan# 2209
Delta R.T. 0.059 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

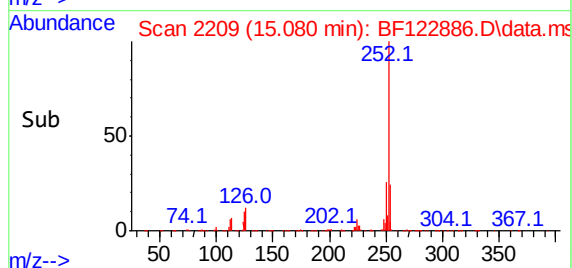
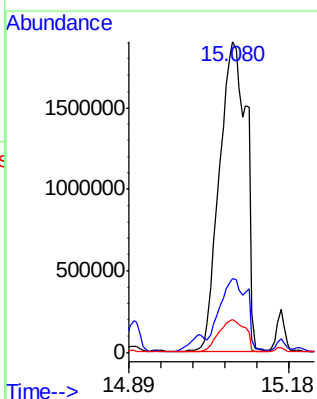
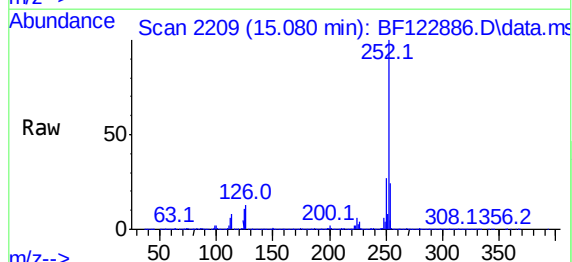
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

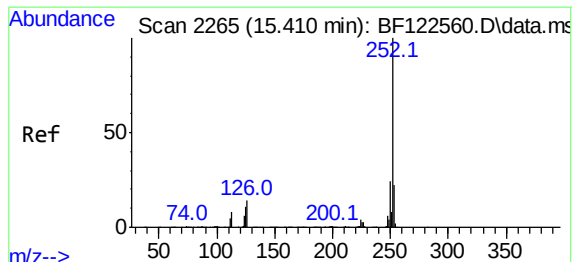
Tgt Ion:252 Resp: 6483568
Ion Ratio Lower Upper
252 100
253 23.8 18.3 27.5
125 10.7 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 261.38 ng
RT: 15.080 min Scan# 2209
Delta R.T. 0.029 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion:252 Resp: 6483568
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 10.7 8.4 12.6

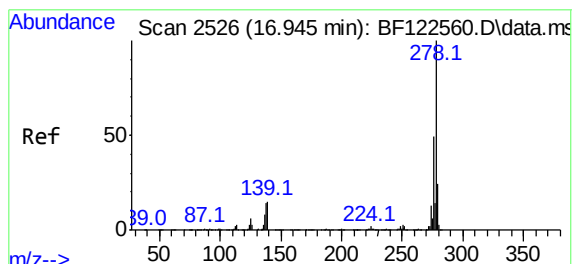
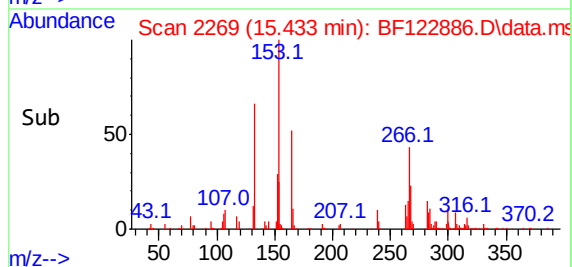
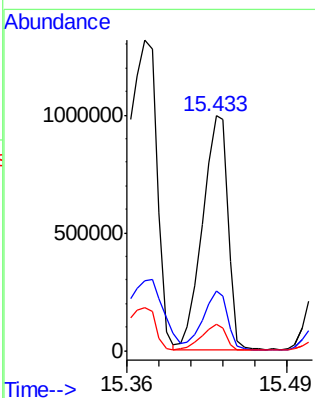
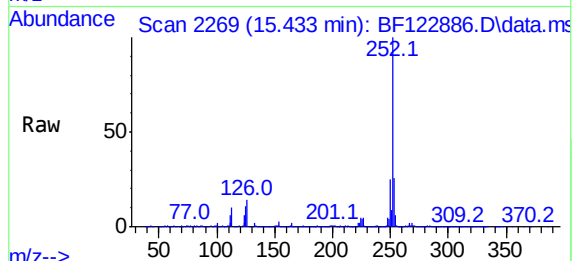




#90
Benzo(a)pyrene
Concen: 61.13 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.053 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

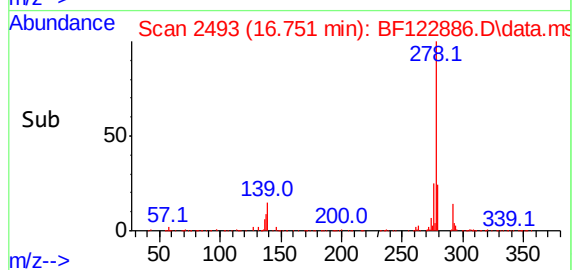
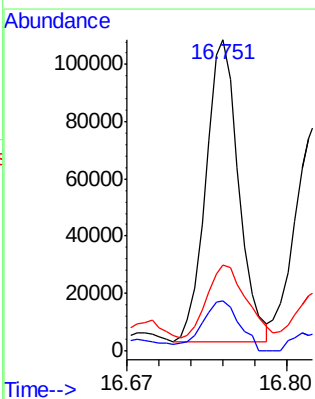
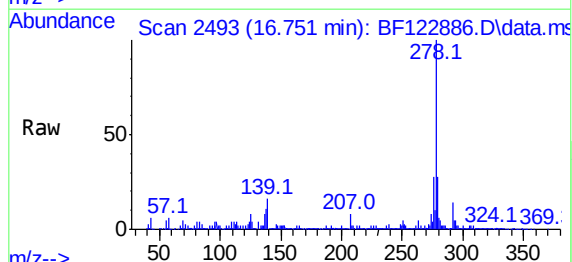
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

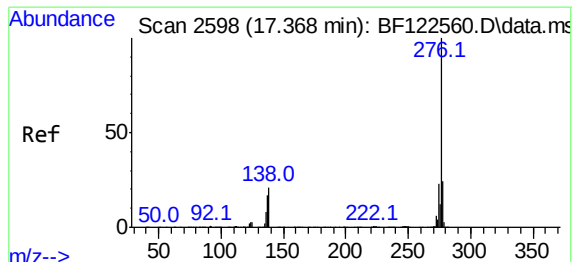
Tgt Ion:252 Resp: 1450980
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 11.3 8.6 12.8



#91
Dibenzo(a,h)anthracene
Concen: 9.59 ng
RT: 16.751 min Scan# 2493
Delta R.T. -0.153 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

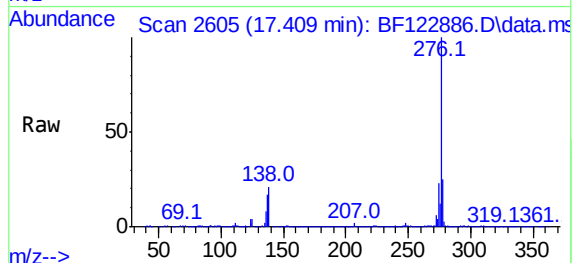
Tgt Ion:278 Resp: 199153
Ion Ratio Lower Upper
278 100
139 16.0 12.0 18.0
279 27.7 19.4 29.2





#92
Benzo(g,h,i)perylene
Concen: 55.01 ng
RT: 17.409 min Scan# 2605
Delta R.T. 0.082 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

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



Tgt Ion:276 Resp: 1105967

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.3	28.9
138	20.6	16.6	24.8

