

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
 Data File : BF122753.D
 Acq On : 16 Dec 2020 16:45
 Operator : JU/CG
 Sample : L5092-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-12142020

Quant Time: Dec 17 01:12:45 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)

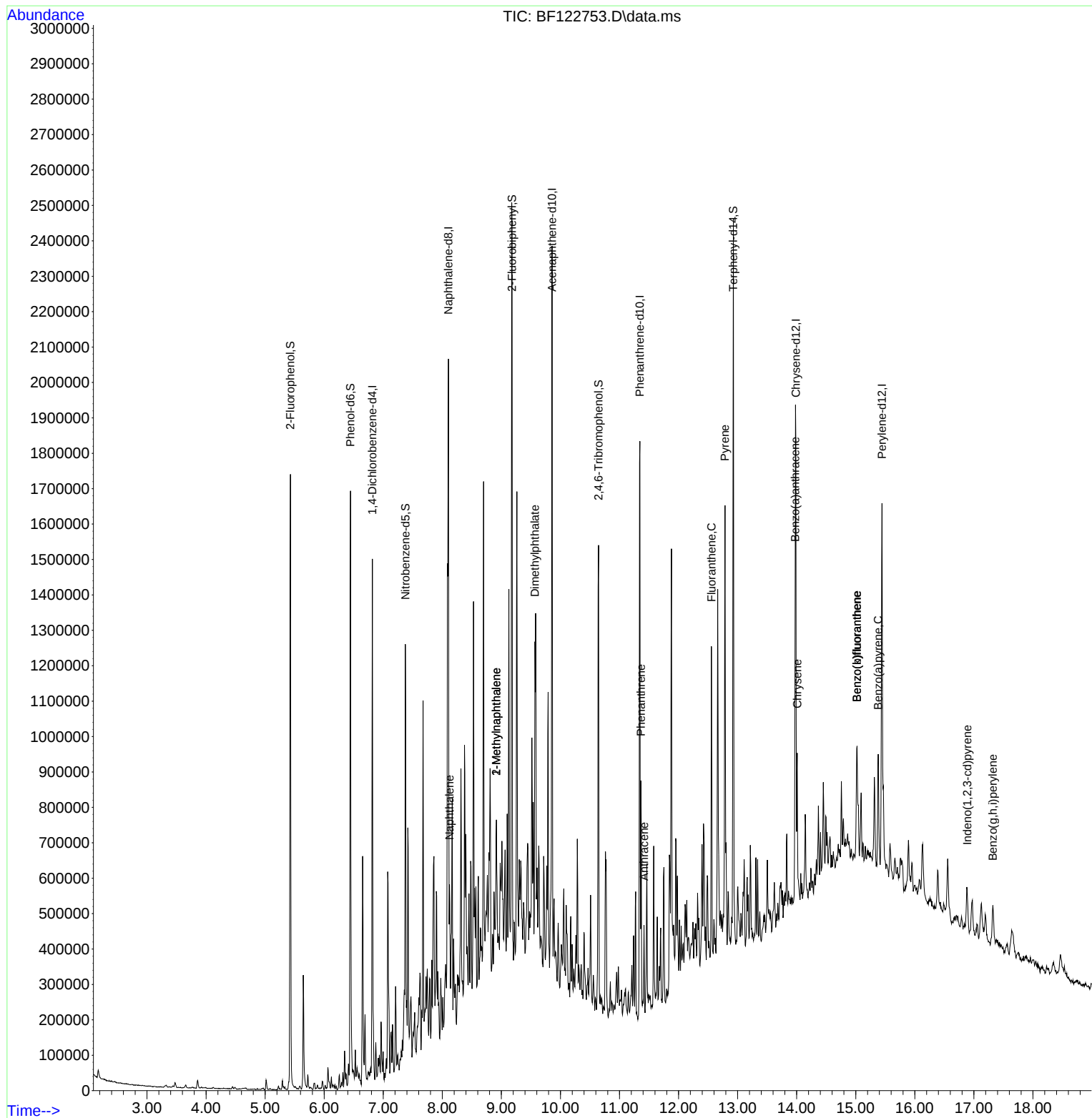
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	207079	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	758075	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	390499	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	642358	20.00	ng	0.00
76) Chrysene-d12	13.986	240	464893	20.00	ng	0.00
86) Perylene-d12	15.445	264	477423	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	495249	37.86	ng	0.00
7) Phenol-d6	6.445	99	630369	36.34	ng	-0.01
23) Nitrobenzene-d5	7.375	82	374119	24.73	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	176434	34.52	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	696202	24.11	ng	0.00
79) Terphenyl-d14	12.927	244	603976	22.74	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	109123	2.61	ng	97
37) 2-Methylnaphthalene	8.916	142	80161	2.90	ng	93
38) 1-Methylnaphthalene	8.916	142	80161	3.06	ng	# 98
50) Dimethylphthalate	9.569	163	103455	3.32	ng	# 90
71) Phenanthrene	11.363	178	237307	6.22	ng	98
72) Anthracene	11.416	178	88630	2.34	ng	99
75) Fluoranthene	12.557	202	301928	7.54	ng	100
78) Pyrene	12.786	202	498745	13.88	ng	98
81) Benzo(a)anthracene	13.974	228	173812	5.59	ng	94
83) Chrysene	14.009	228	183026	5.92	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	80182	2.56	ng	99
88) Benzo(b)fluoranthene	15.021	252	230659	6.89	ng	# 96
89) Benzo(k)fluoranthene	15.021	252	230659	7.53	ng	# 95
90) Benzo(a)pyrene	15.380	252	159234	5.43	ng	96
92) Benzo(g,h,i)perylene	17.321	276	99262	4.00	ng	96

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

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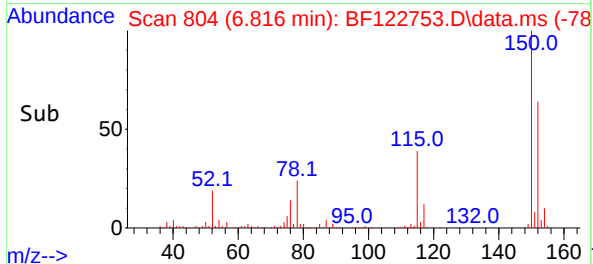
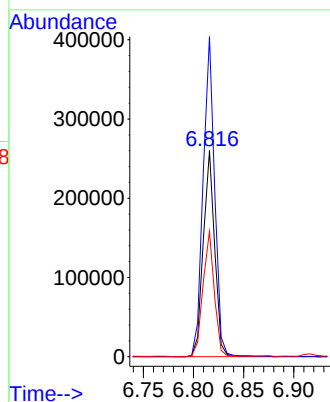
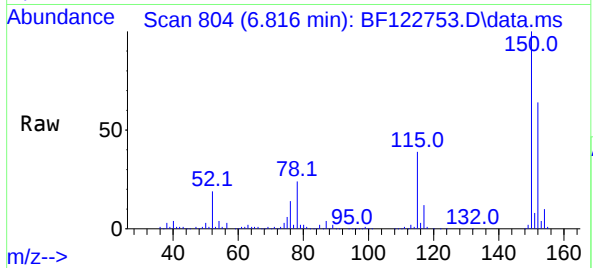




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

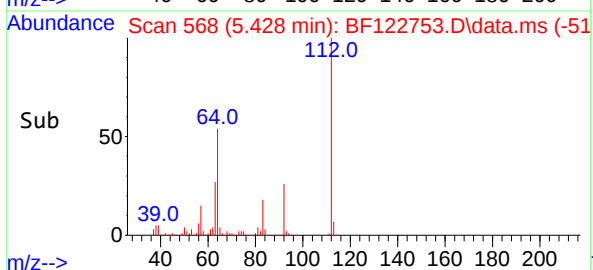
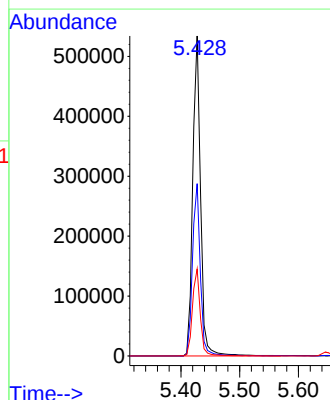
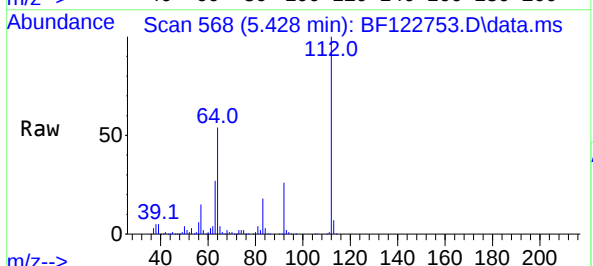
Instrument :
BNA_F
ClientSampleId :
HR-02-12142020

Tgt Ion:152 Resp: 207079
Ion Ratio Lower Upper
152 100
150 155.3 125.8 188.6
115 60.8 49.3 73.9



#5
2-Fluorophenol
Concen: 37.86 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Tgt Ion:112 Resp: 495249
Ion Ratio Lower Upper
112 100
64 53.9 46.9 70.3
63 27.2 24.5 36.7



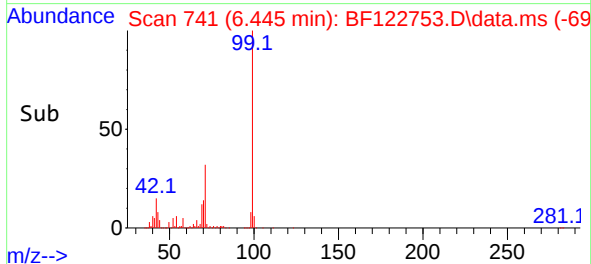
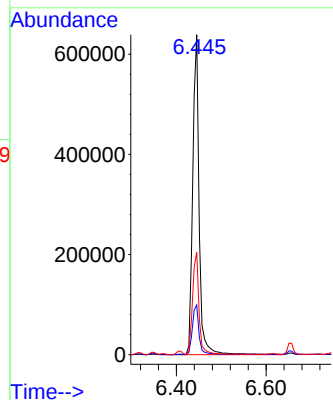
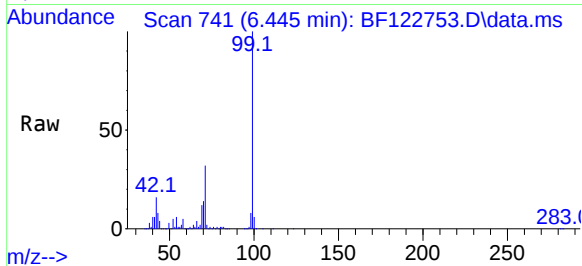


#7
Phenol-d6
Concen: 36.34 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Instrument :
BNA_F
ClientSampleId :
HR-02-12142020

Tgt Ion: 99 Resp: 630369

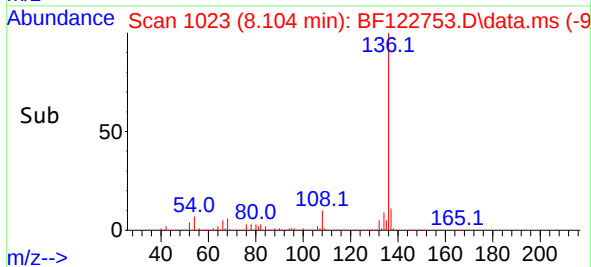
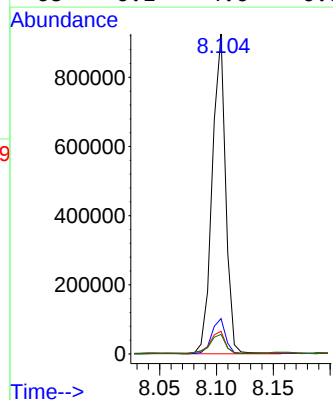
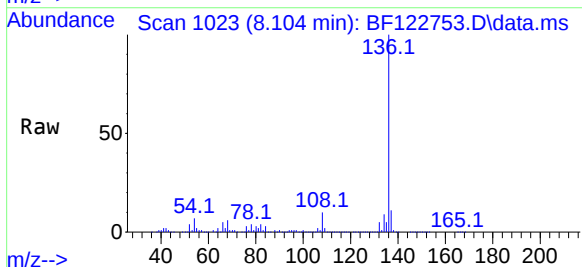
Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.8	20.6
71	32.1	26.9	40.3

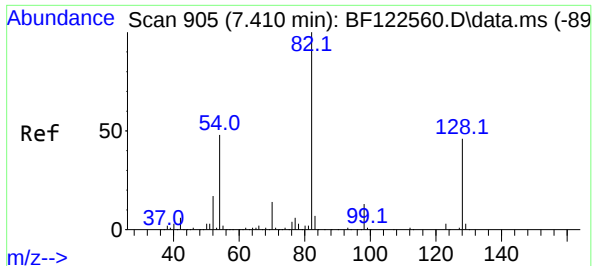


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Tgt Ion: 136 Resp: 758075

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.0	5.5	8.3
68	6.1	4.6	6.8





#23

Nitrobenzene-d5

Concen: 24.73 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.018 min

Lab File: BF122753.D

Acq: 16 Dec 2020 16:45

Tgt Ion: 82 Resp: 374119

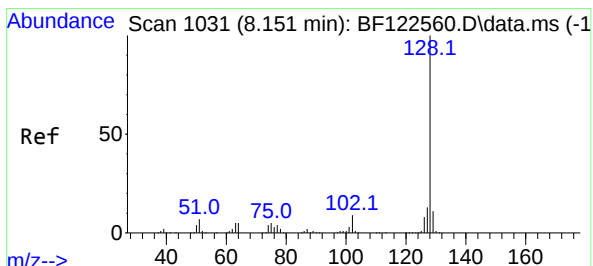
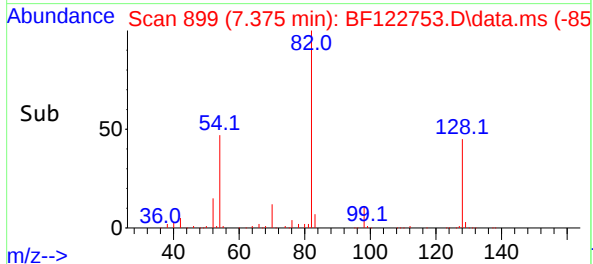
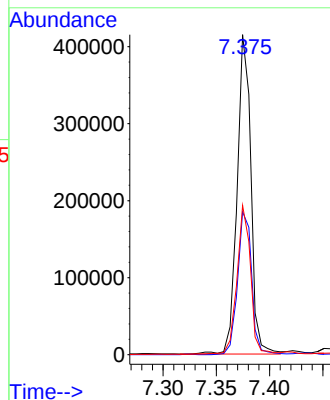
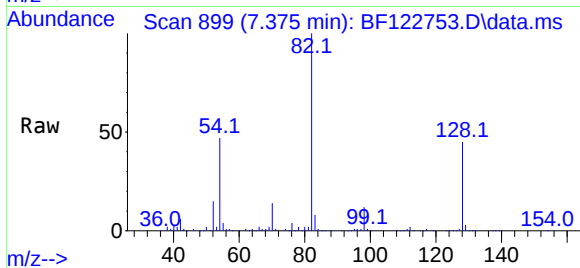
Ion	Ratio	Lower	Upper
82	100		
128	44.7	37.0	55.4
54	46.7	38.4	57.6

Instrument :

BNA_F

ClientSampleId :

HR-02-12142020



#31

Naphthalene

Concen: 2.61 ng

RT: 8.122 min Scan# 1026

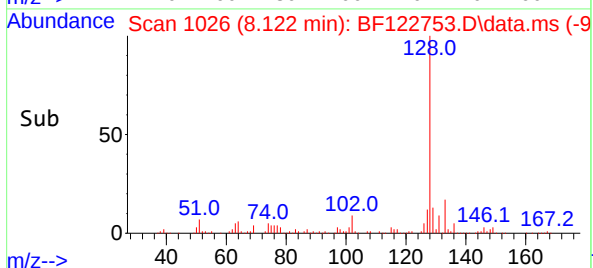
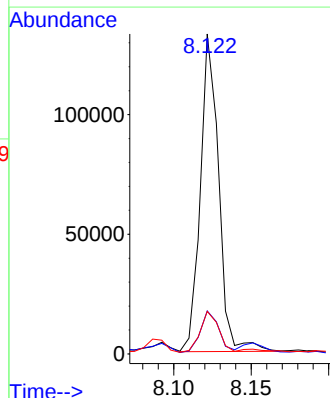
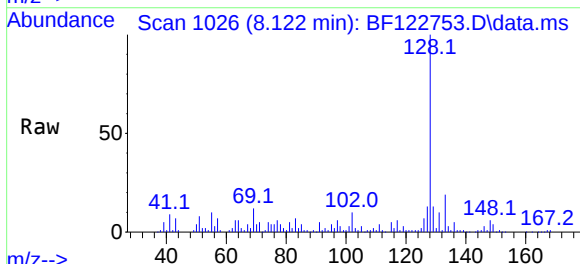
Delta R.T. -0.006 min

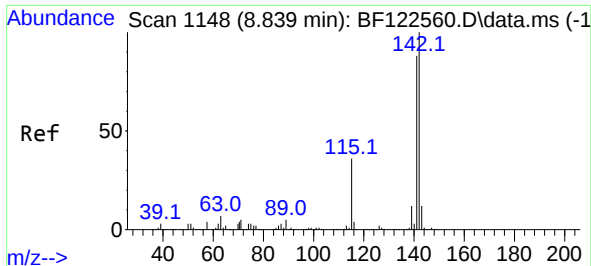
Lab File: BF122753.D

Acq: 16 Dec 2020 16:45

Tgt Ion: 128 Resp: 109123

Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.0	13.6
127	13.3	10.7	16.1

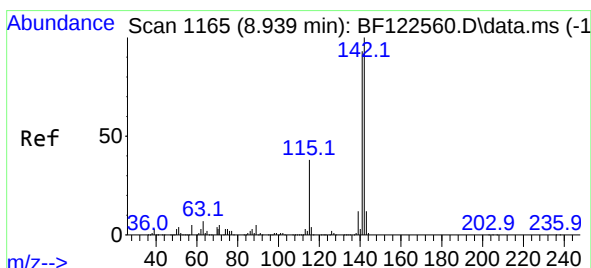
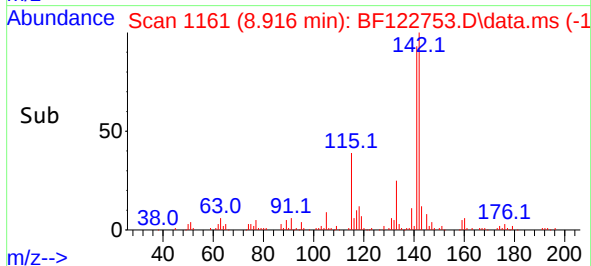
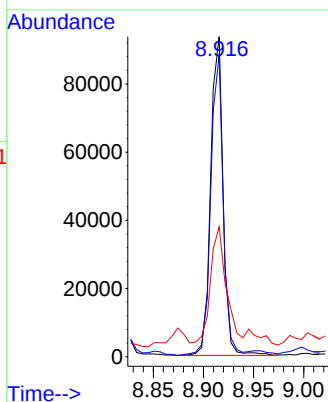
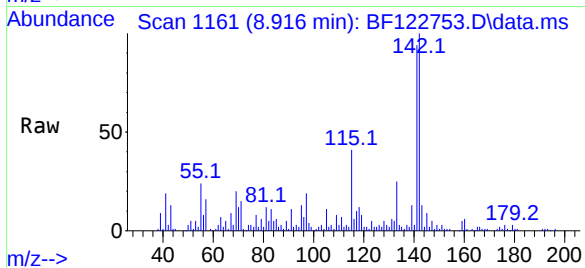




#37
2-Methylnaphthalene
Concen: 2.90 ng
RT: 8.916 min Scan# 1161
Delta R.T. 0.094 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

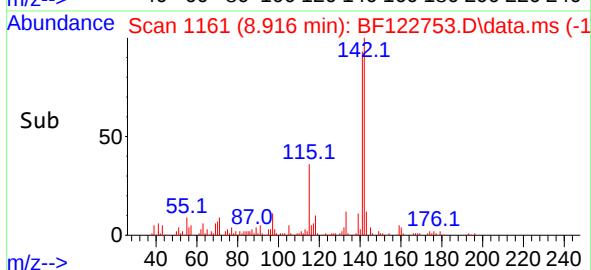
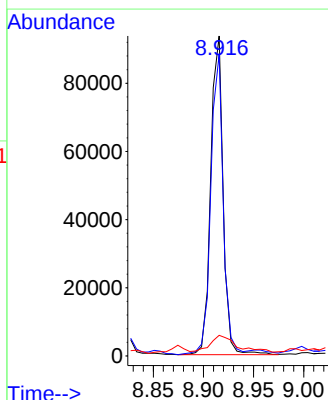
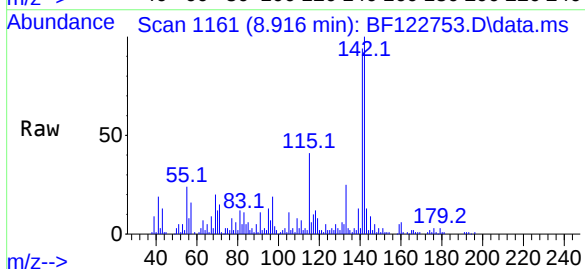
Instrument :
BNA_F
ClientSampleId :
HR-02-12142020

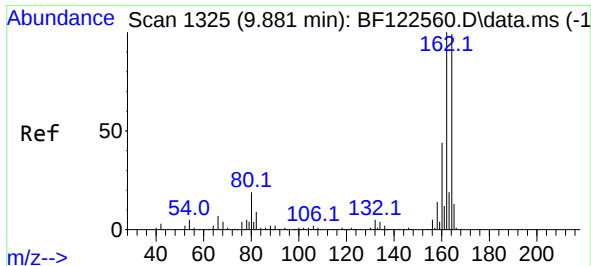
Tgt Ion:142 Resp: 80161
Ion Ratio Lower Upper
142 100
141 94.3 70.6 106.0
115 40.6 28.7 43.1



#38
1-Methylnaphthalene
Concen: 3.06 ng
RT: 8.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Tgt Ion:142 Resp: 80161
Ion Ratio Lower Upper
142 100
141 94.3 74.5 111.7
116 6.4 3.2 4.8#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF122753.D

Acq: 16 Dec 2020 16:45

Tgt Ion:164 Resp: 390499

Ion Ratio Lower Upper

164 100

162 103.1 80.8 121.2

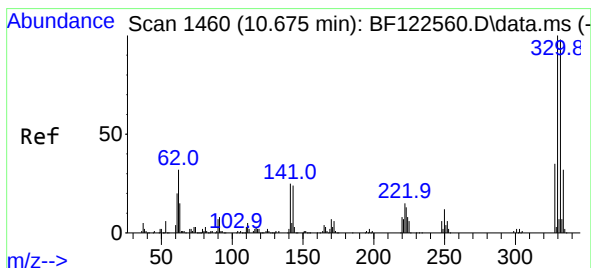
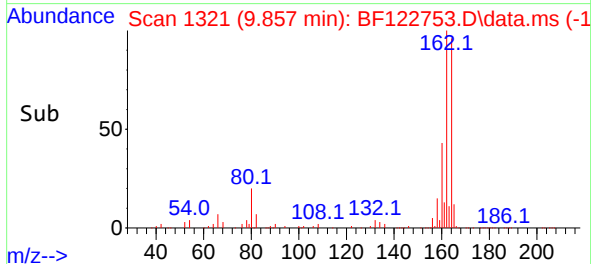
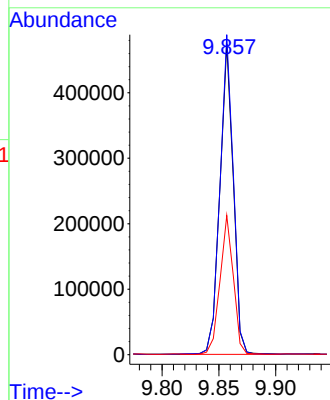
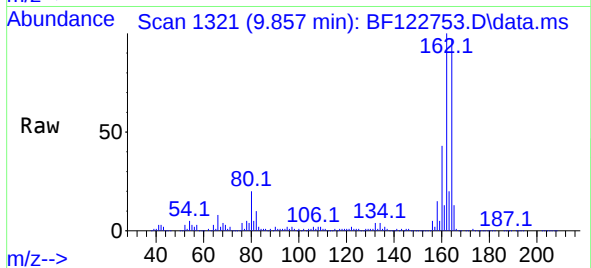
160 44.8 35.4 53.0

Instrument :

BNA_F

ClientSampleId :

HR-02-12142020



#42

2,4,6-Tribromophenol

Concen: 34.52 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF122753.D

Acq: 16 Dec 2020 16:45

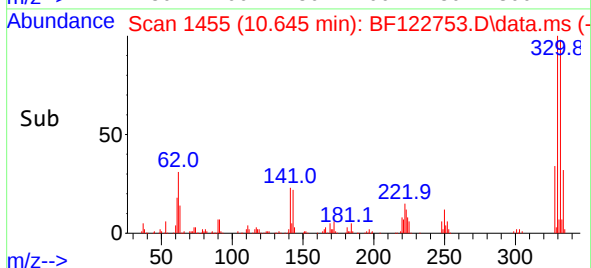
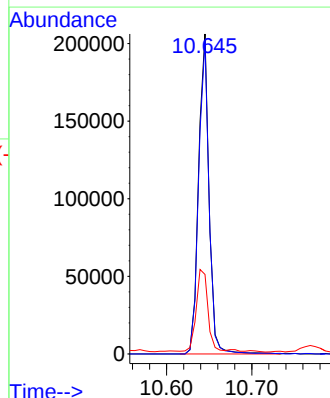
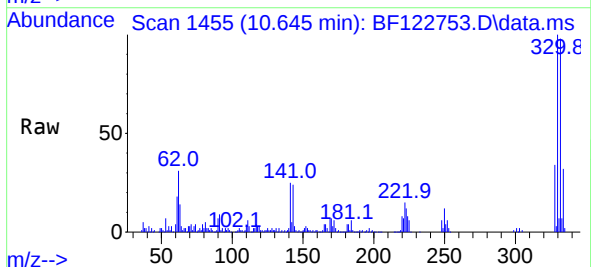
Tgt Ion:330 Resp: 176434

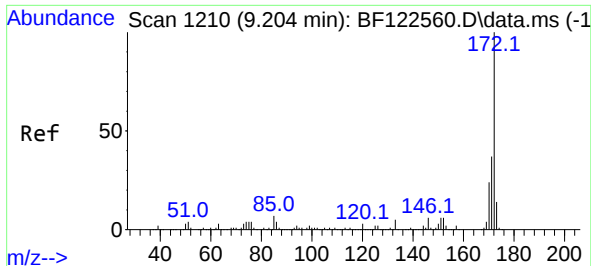
Ion Ratio Lower Upper

330 100

332 97.1 77.5 116.3

141 27.9 23.8 35.8

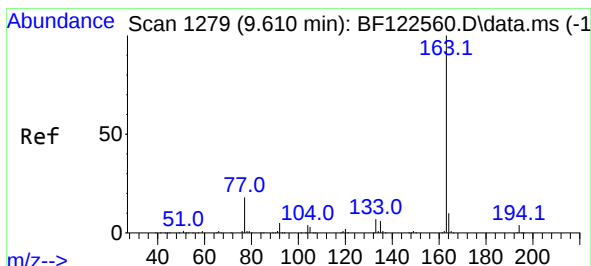
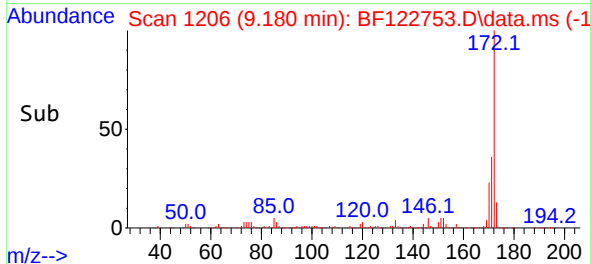
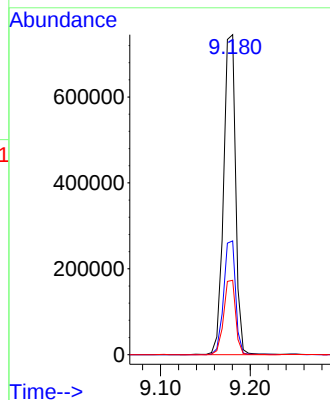
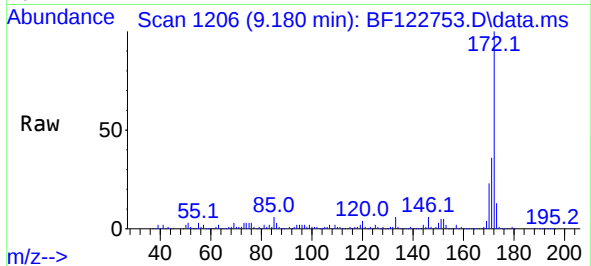




#45
2-Fluorobiphenyl
Concen: 24.11 ng
RT: 9.180 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

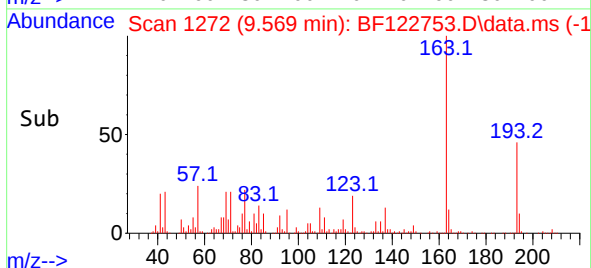
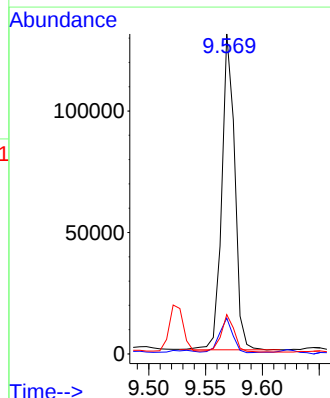
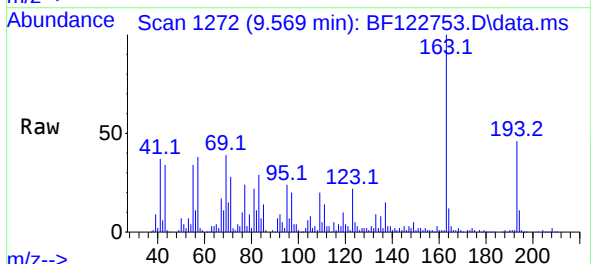
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HR-02-12142020

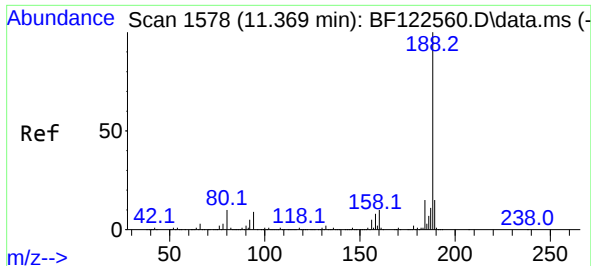
Tgt Ion:172 Resp: 696202
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.2 19.5 29.3



#50
Dimethylphthalate
Concen: 3.32 ng
RT: 9.569 min Scan# 1272
Delta R.T. -0.018 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Tgt Ion:163 Resp: 103455
Ion Ratio Lower Upper
163 100
194 11.2 3.4 5.0#
164 12.3 8.1 12.1#

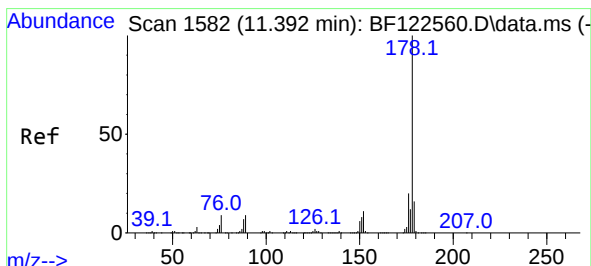
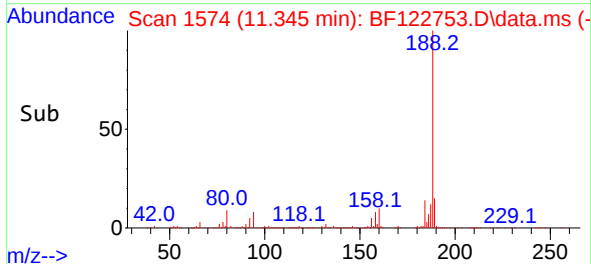
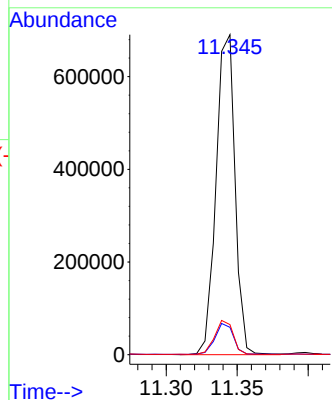
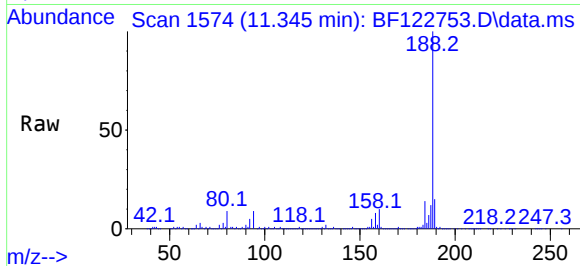




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

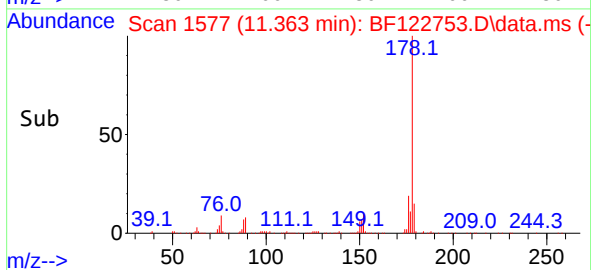
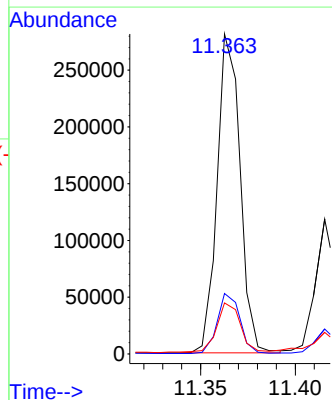
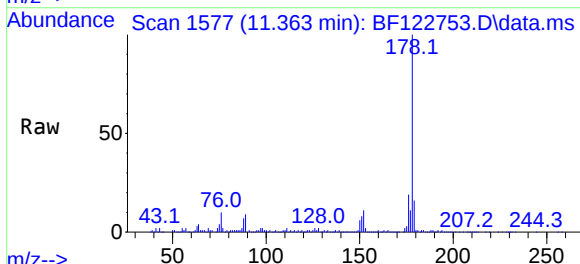
Instrument :
BNA_F
ClientSampleId :
HR-02-12142020

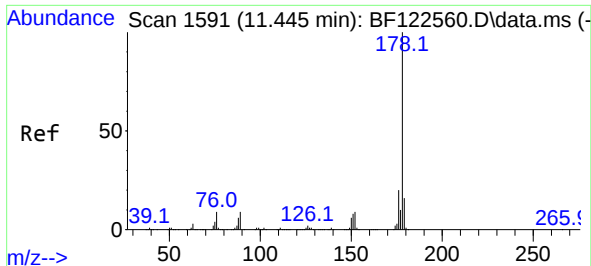
Tgt Ion:188 Resp: 642358
Ion Ratio Lower Upper
188 100
94 8.6 7.4 11.2
80 9.4 8.2 12.4



#71
Phenanthrene
Concen: 6.22 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Tgt Ion:178 Resp: 237307
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.2
179 15.9 12.7 19.1

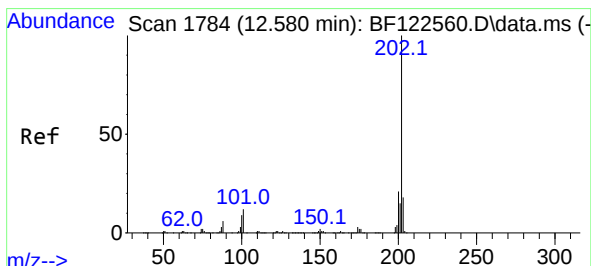
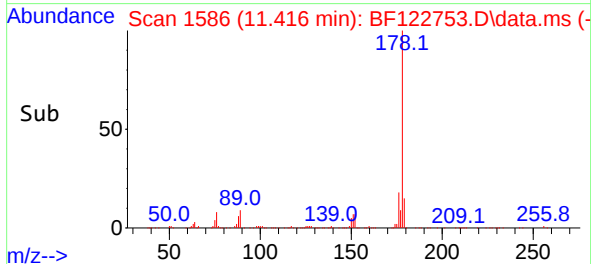
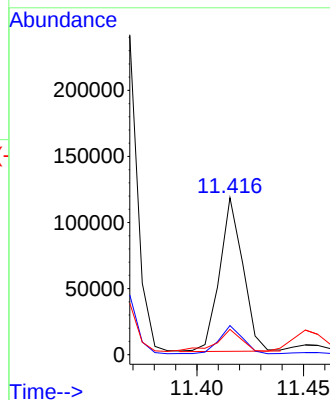
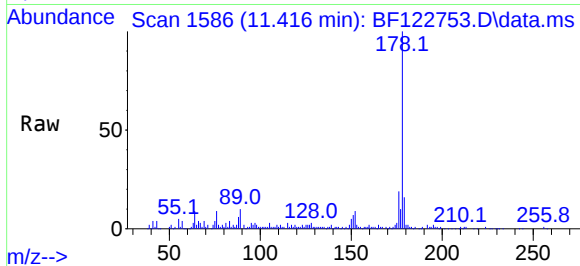




#72
 Anthracene
 Concen: 2.34 ng
 RT: 11.416 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF122753.D
 Acq: 16 Dec 2020 16:45

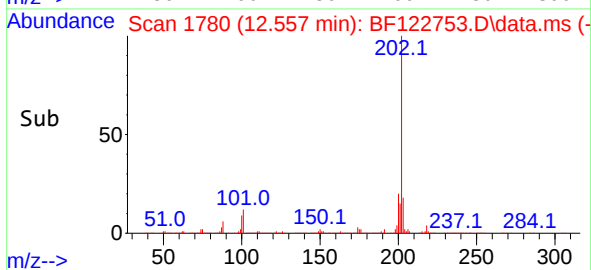
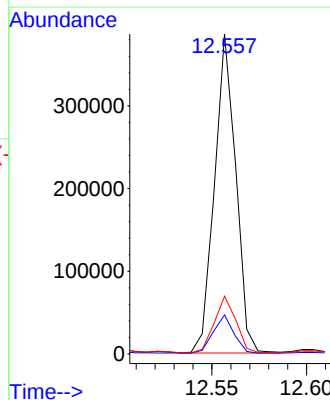
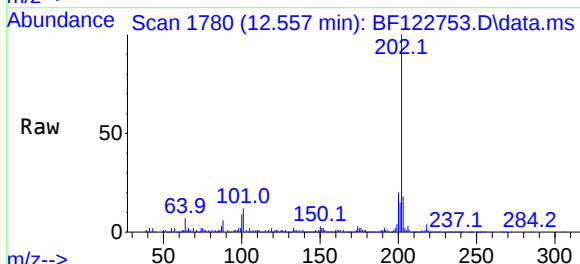
Instrument :
 BNA_F
 ClientSampleId :
 HR-02-12142020

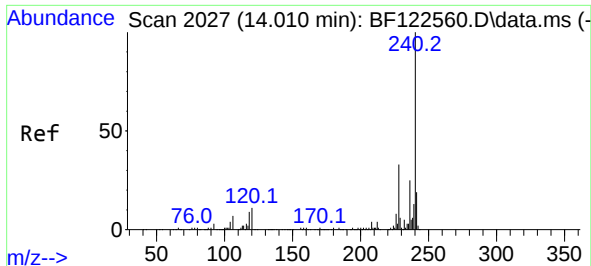
Tgt Ion:178	Resp:	88630
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.6 23.4
179	16.1	12.8 19.2



#75
 Fluoranthene
 Concen: 7.54 ng
 RT: 12.557 min Scan# 1780
 Delta R.T. -0.000 min
 Lab File: BF122753.D
 Acq: 16 Dec 2020 16:45

Tgt Ion:202	Resp:	301928
Ion Ratio	Lower	Upper
202	100	
101	12.2	0.0 32.2
203	18.0	0.0 38.1



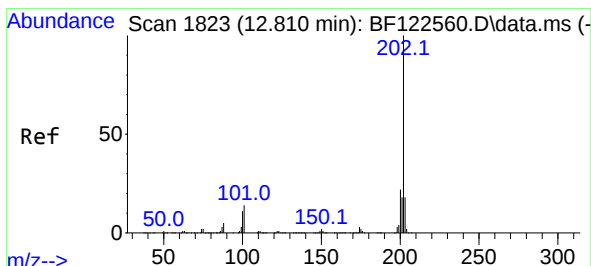
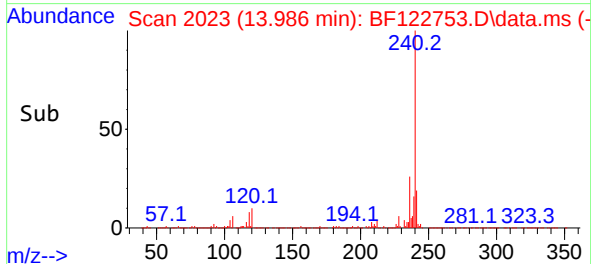
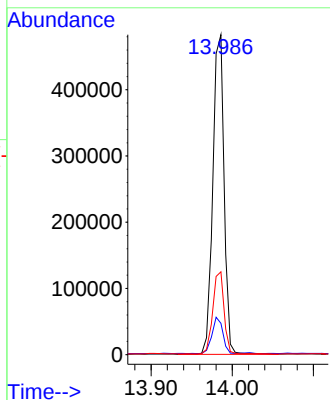
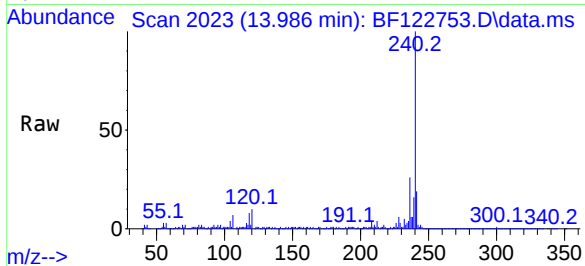


#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Instrument :
BNA_F
ClientSampleId :
HR-02-12142020

Tgt Ion:240 Resp: 464893

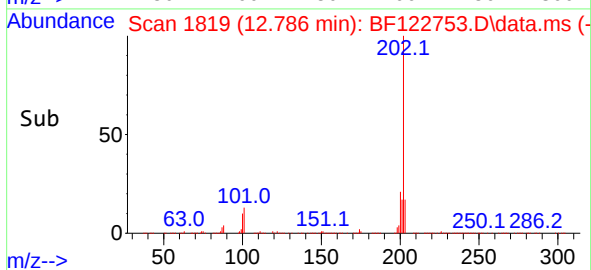
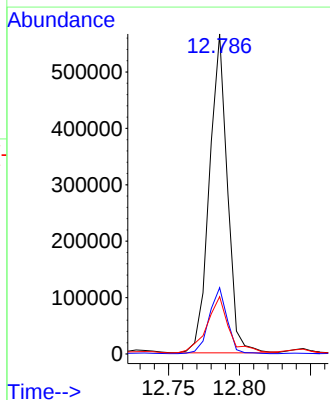
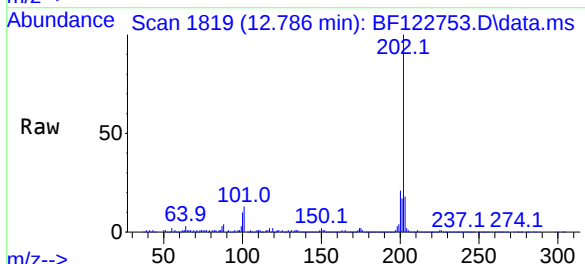
Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.6	12.8
236	25.9	20.3	30.5

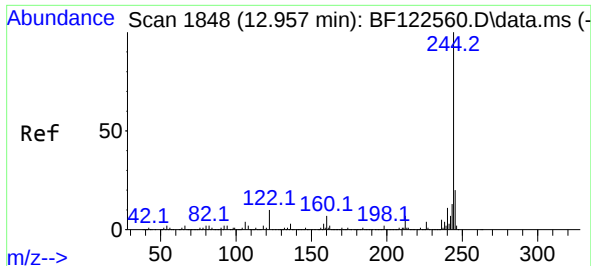


#78
Pyrene
Concen: 13.88 ng
RT: 12.786 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Tgt Ion:202 Resp: 498745

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	17.9	14.6	21.8

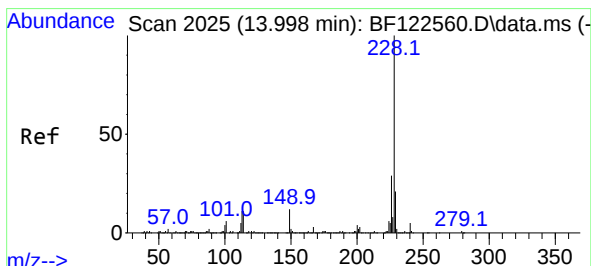
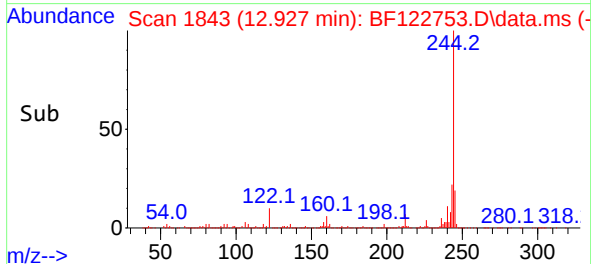
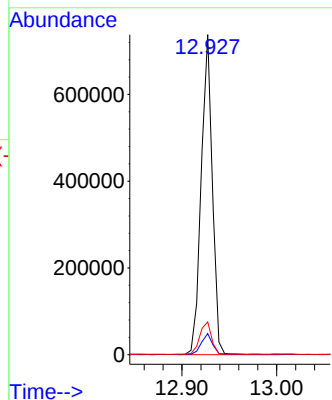
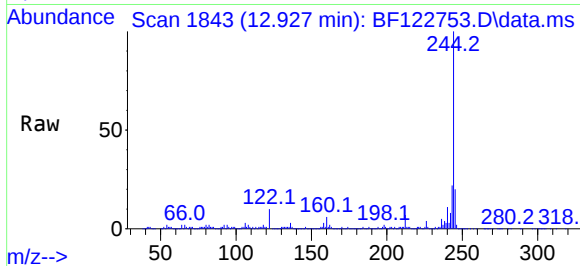




#79
Terphenyl-d14
Concen: 22.74 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

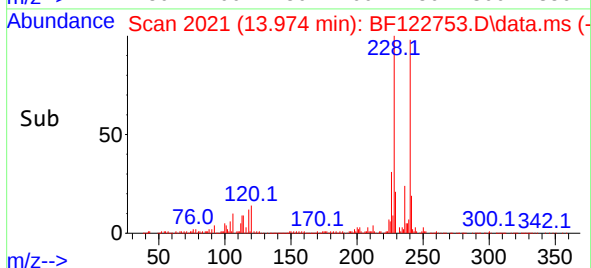
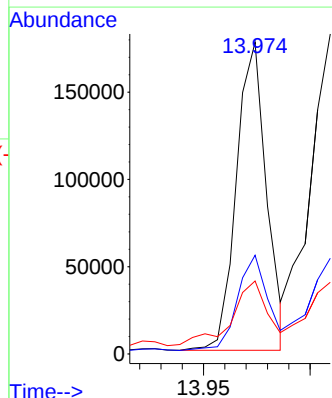
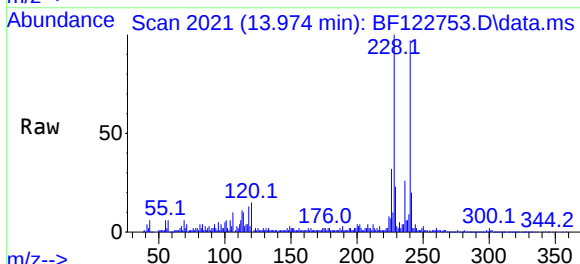
Instrument :
BNA_F
ClientSampleId :
HR-02-12142020

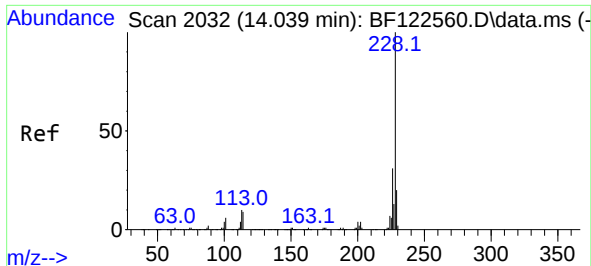
Tgt Ion:244 Resp: 603976
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 10.2 8.3 12.5



#81
Benzo(a)anthracene
Concen: 5.59 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Tgt Ion:228 Resp: 173812
Ion Ratio Lower Upper
228 100
226 31.7 23.0 34.4
229 23.4 16.6 24.8



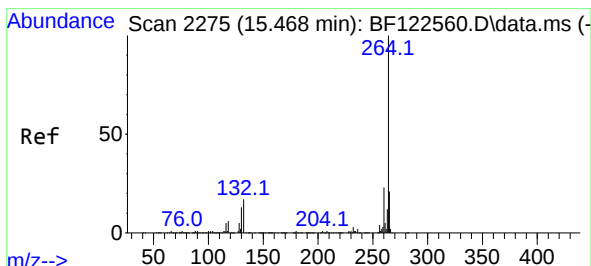
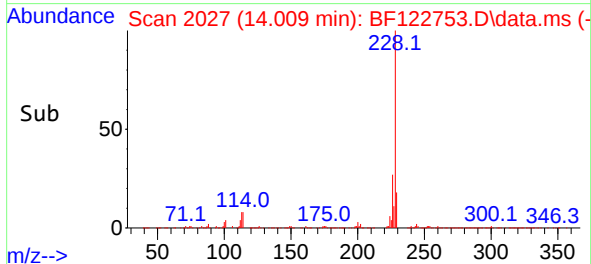
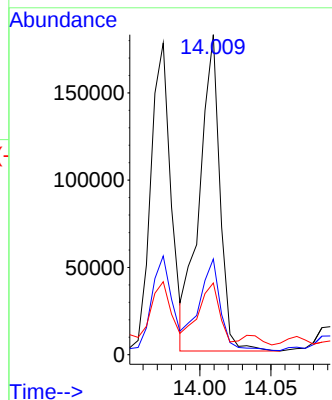
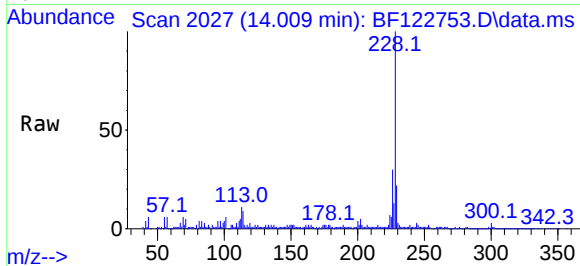


#83
Chrysene
Concen: 5.92 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Instrument :
BNA_F
ClientSampleId :
HR-02-12142020

Tgt Ion:228 Resp: 183026

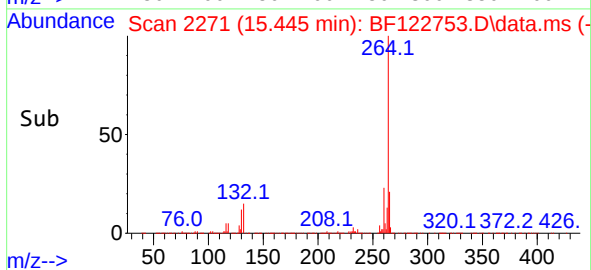
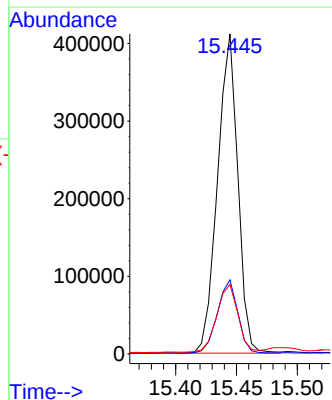
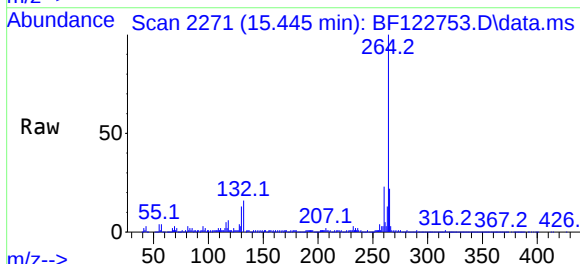
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	36.8
229	22.4	15.8	23.6

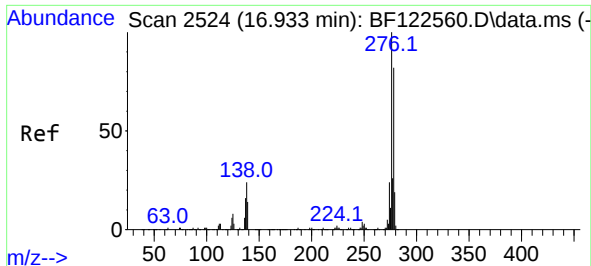


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Tgt Ion:264 Resp: 477423

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.7	17.0	25.6

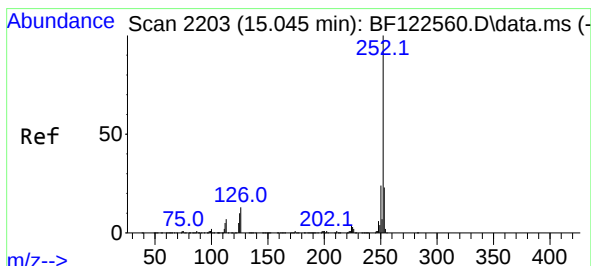
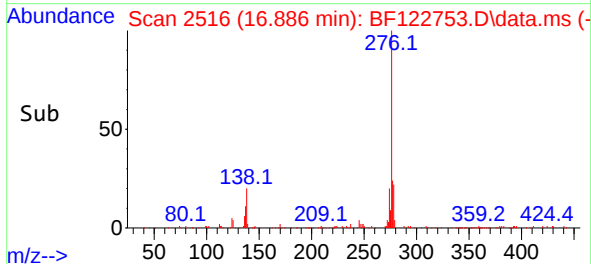
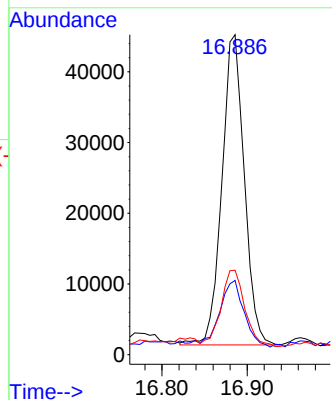
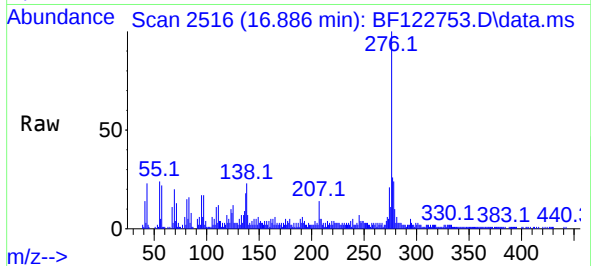




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.56 ng
RT: 16.886 min Scan# 2516
Delta R.T. -0.006 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

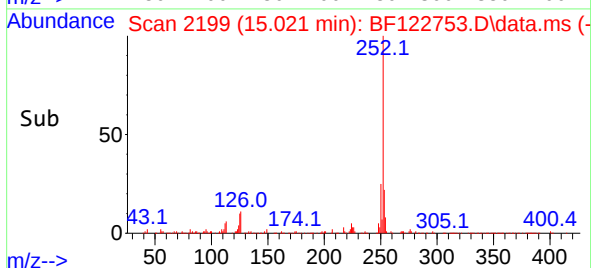
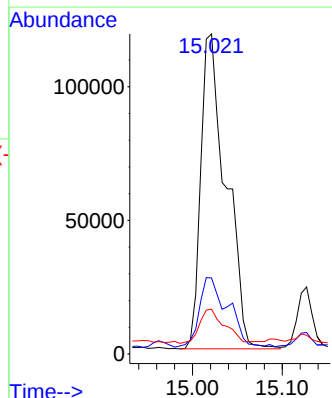
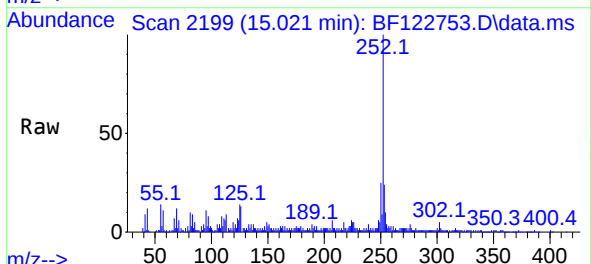
Instrument :
BNA_F
ClientSampleId :
HR-02-12142020

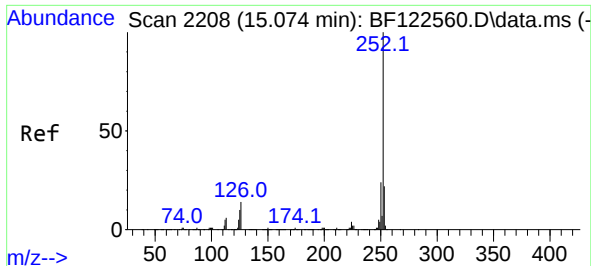
Tgt Ion:276 Resp: 80182
Ion Ratio Lower Upper
276 100
138 23.8 18.7 28.1
277 26.1 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 6.89 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Tgt Ion:252 Resp: 230659
Ion Ratio Lower Upper
252 100
253 23.8 18.3 27.5
125 14.0 8.1 12.1#

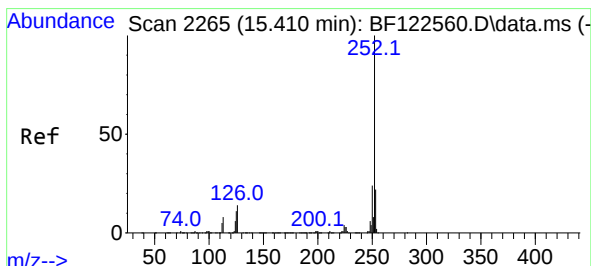
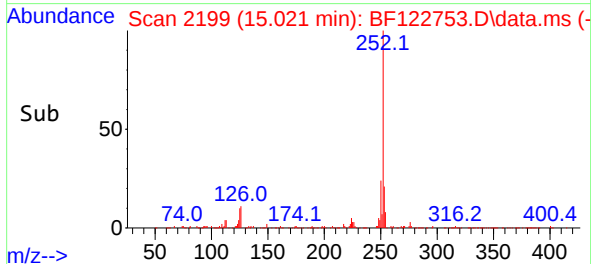
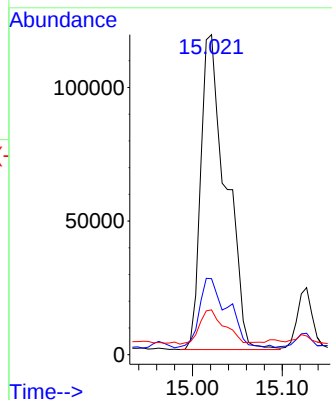
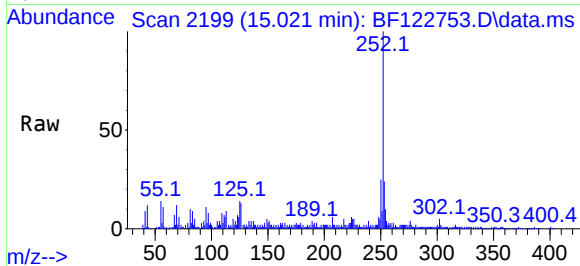




#89
Benzo(k)fluoranthene
Concen: 7.53 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.030 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

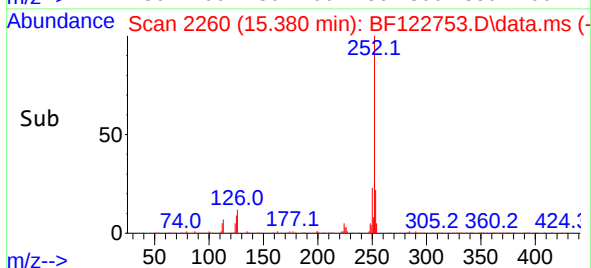
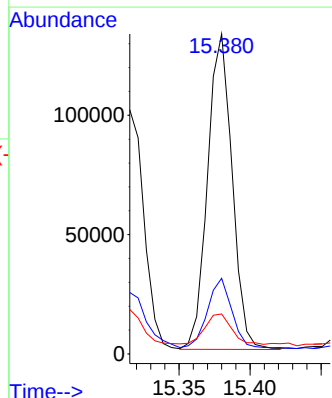
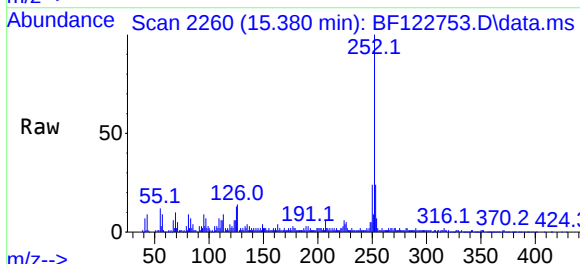
Instrument :
BNA_F
ClientSampleId :
HR-02-12142020

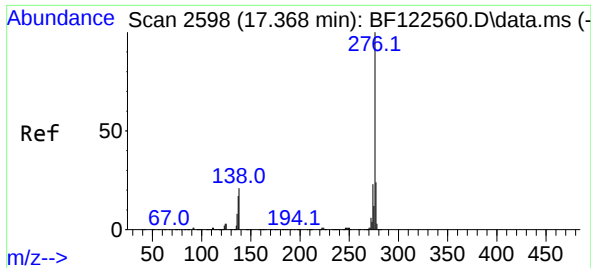
Tgt Ion:252 Resp: 230659
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 14.0 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 5.43 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Tgt Ion:252 Resp: 159234
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 12.5 8.6 12.8





#92
Benzo(g,h,i)perylene
Concen: 4.00 ng
RT: 17.321 min Scan# 2590
Delta R.T. -0.006 min
Lab File: BF122753.D
Acq: 16 Dec 2020 16:45

Instrument :
BNA_F
ClientSampleId :
HR-02-12142020

Tgt Ion:	276	Resp:	99262
Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.3	28.9
138	23.4	16.6	24.8

