

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
 Data File : BF122350.D
 Acq On : 17 Nov 2020 17:20
 Operator : JU/CG
 Sample : L4725-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-34

Quant Time: Nov 18 00:22:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 10 12:25:42 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

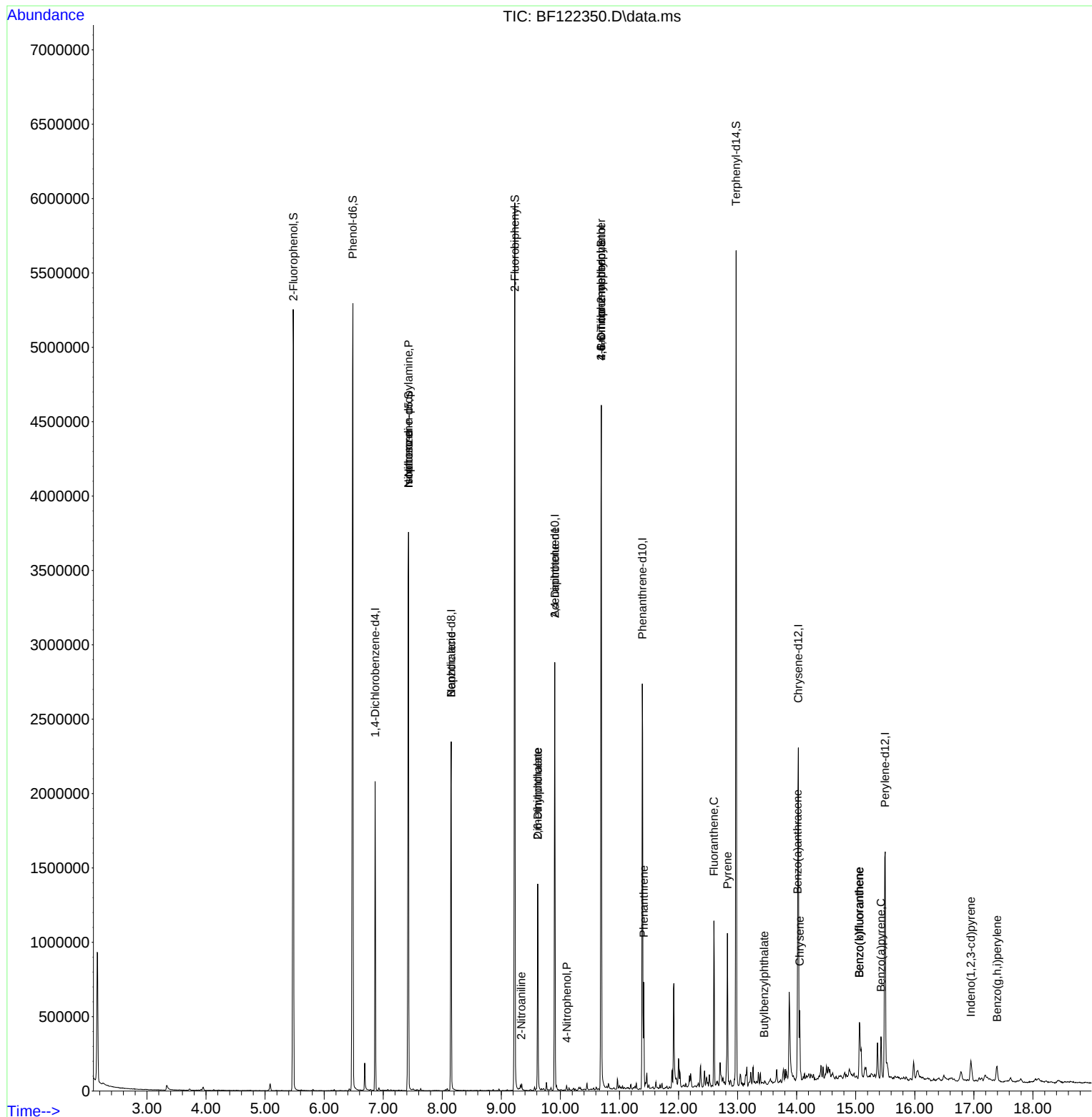
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	271697	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	1037411	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	536923	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	999542	20.00	ng	0.00
76) Chrysene-d12	14.027	240	716455	20.00	ng	0.00
86) Perylene-d12	15.498	264	734633	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1616076	91.33	ng	0.00
7) Phenol-d6	6.487	99	2079625	89.84	ng	0.00
23) Nitrobenzene-d5	7.428	82	1262797	74.52	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	588333	102.09	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1806877	52.58	ng	0.00
79) Terphenyl-d14	12.974	244	1671135	49.41	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.487	77	3341	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.428	70	169601	12.26	ng	# 75
25) Isophorone	7.428	82	1243512	32.92	ng	# 67
32) Benzoic acid	8.151	122	113	7.97	ng	# 1
48) 2-Nitroaniline	9.339	65	284	5.19	ng	# 6
50) Dimethylphthalate	9.616	163	539049	14.12	ng	100
51) 2,6-Dinitrotoluene	9.616	165	5649	4.43	ng	# 10
56) 4-Nitrophenol	10.110	139	1893	5.62	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	70330	10.64	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.692	198	1269	6.52	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	38185	3.25	ng	# 1
71) Phenanthrene	11.410	178	235756	4.16	ng	99
75) Fluoranthene	12.598	202	411536	6.95	ng	98
78) Pyrene	12.827	202	377419	7.50	ng	98
80) Butylbenzylphthalate	13.451	149	1015	3.34	ng	# 65
81) Benzo(a)anthracene	14.016	228	165358	3.71	ng	97
83) Chrysene	14.051	228	163246	3.64	ng	99
87) Indeno(1,2,3-cd)pyrene	16.951	276	94614	2.15	ng	94
88) Benzo(b)fluoranthene	15.063	252	281221	5.91	ng	99
89) Benzo(k)fluoranthene	15.063	252	281221	6.06	ng	99
90) Benzo(a)pyrene	15.427	252	138591	3.34	ng	99
92) Benzo(g,h,i)perylene	17.392	276	85353	2.38	ng	98

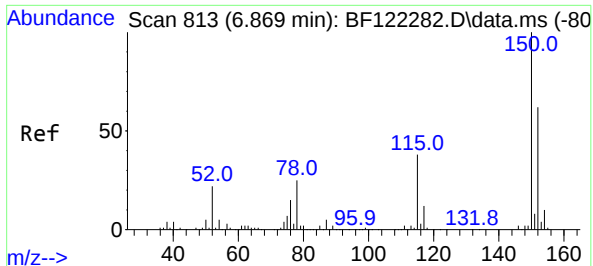
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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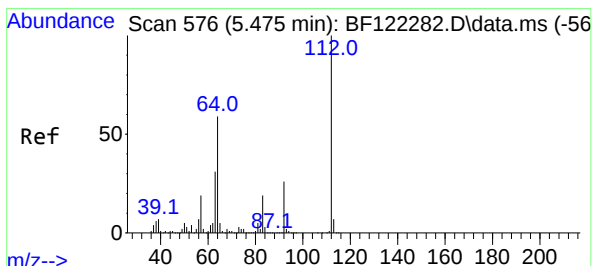
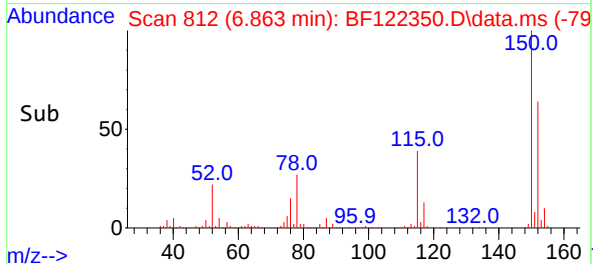
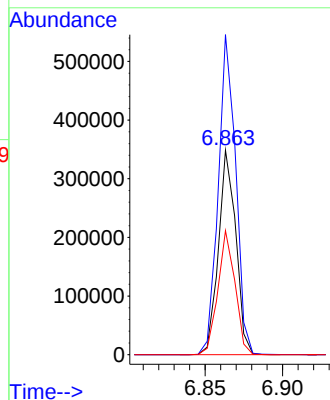
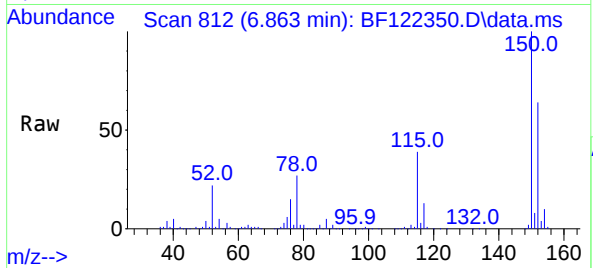




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

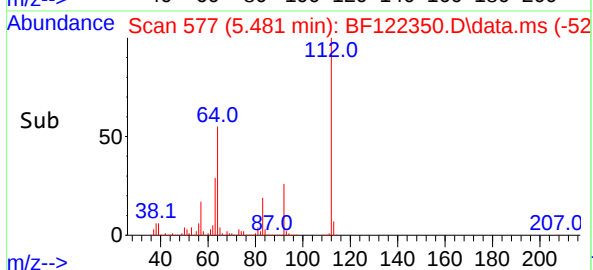
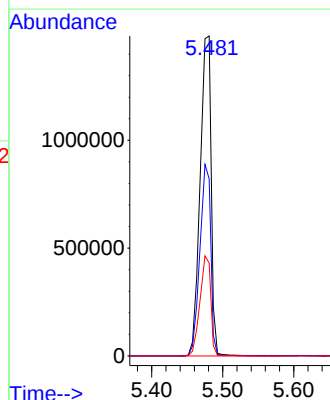
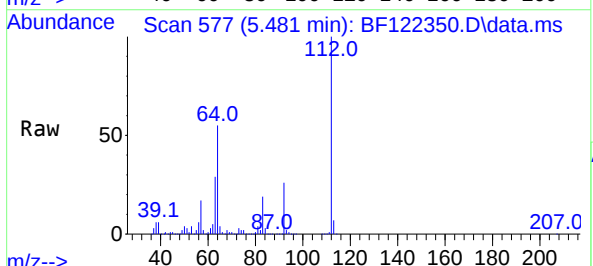
Instrument :
BNA_F
ClientSampleId :
RBR-34

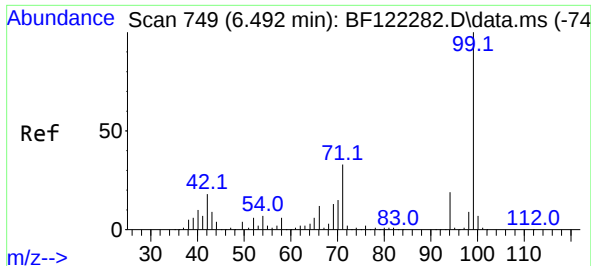
Tgt Ion:152 Resp: 271697
Ion Ratio Lower Upper
152 100
150 156.4 125.3 187.9
115 60.7 51.9 77.9



#5
2-Fluorophenol
Concen: 91.33 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion:112 Resp: 1616076
Ion Ratio Lower Upper
112 100
64 55.3 50.4 75.6
63 29.0 25.8 38.6

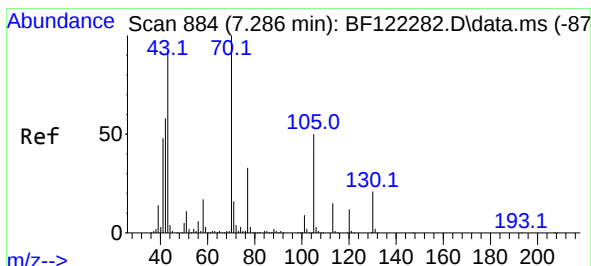
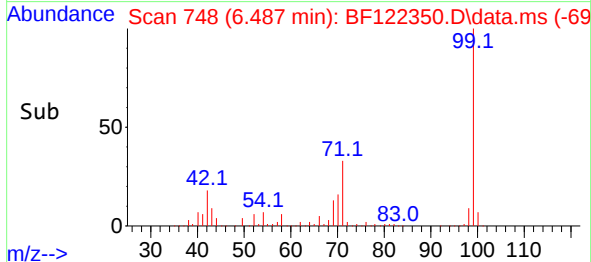
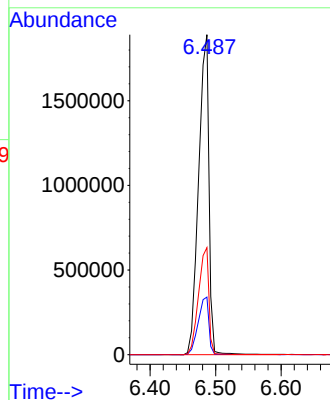
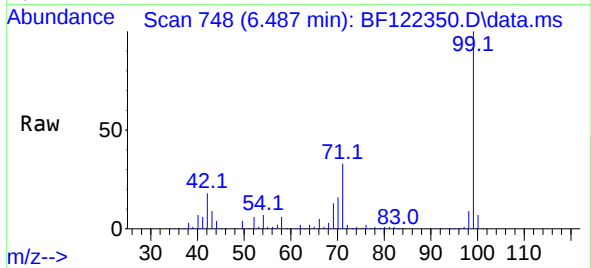




#7
Phenol-d6
Concen: 89.84 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.005 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

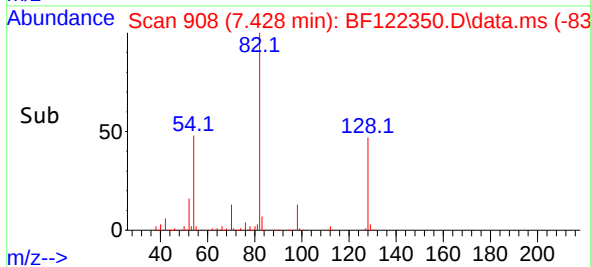
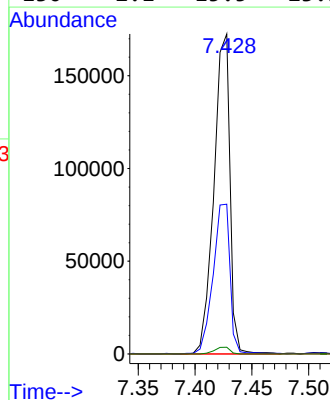
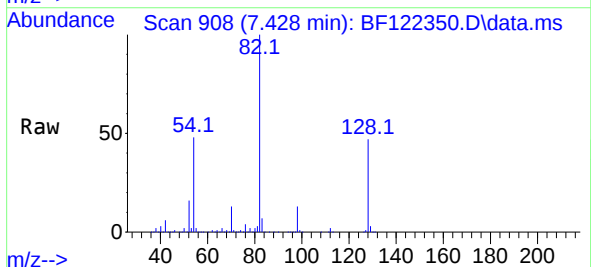
Instrument :
BNA_F
ClientSampleId :
RBR-34

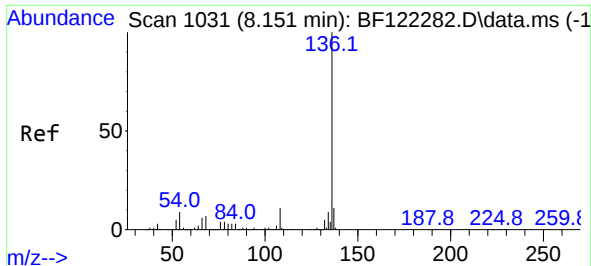
Tgt Ion: 99 Resp: 2079625
Ion Ratio Lower Upper
99 100
42 18.0 15.9 23.9
71 33.4 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.26 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.142 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion: 70 Resp: 169601
Ion Ratio Lower Upper
70 100
42 46.8 50.2 75.4#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



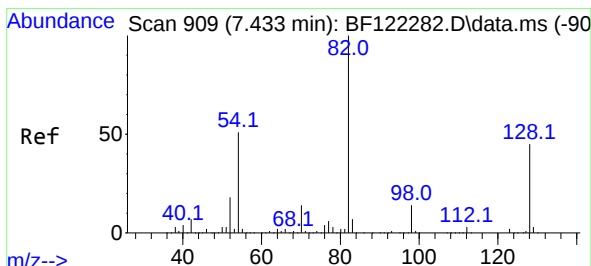
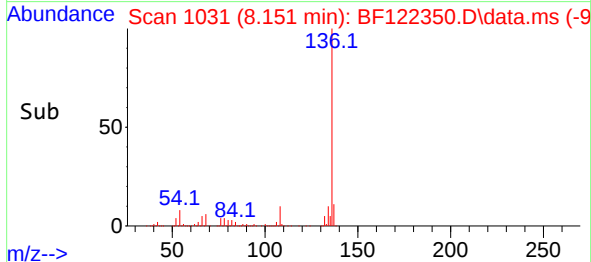
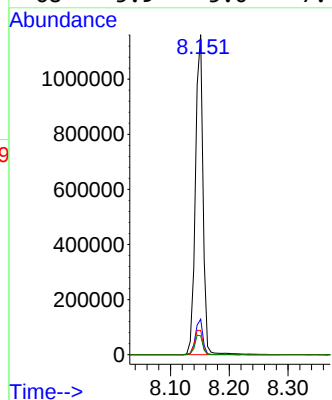
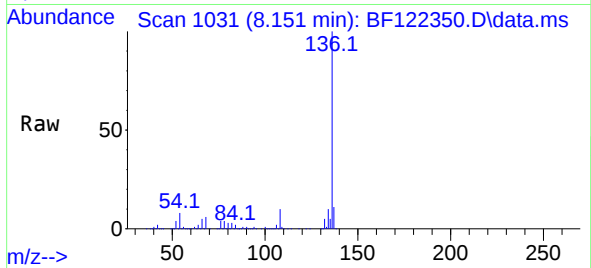


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Instrument :
BNA_F
ClientSampleId :
RBR-34

Tgt Ion:136 Resp: 1037411

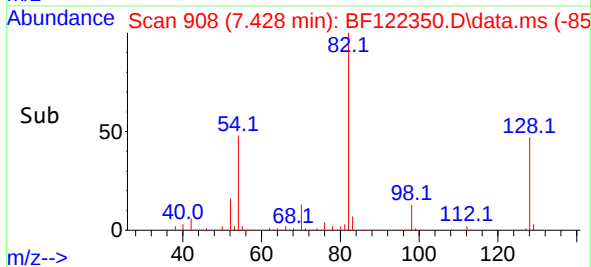
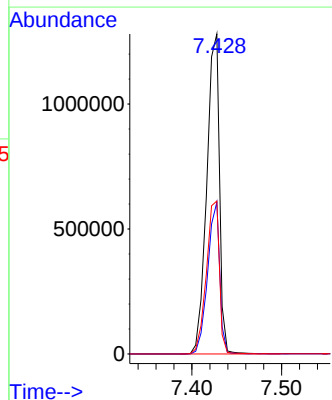
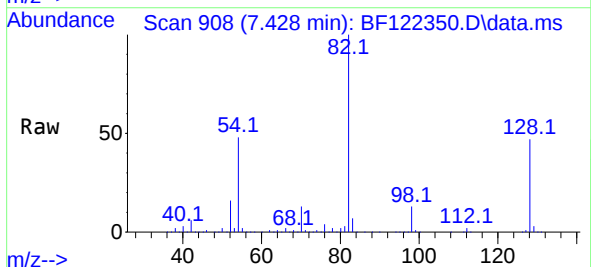
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.6	7.1	10.7
68	5.9	5.0	7.4

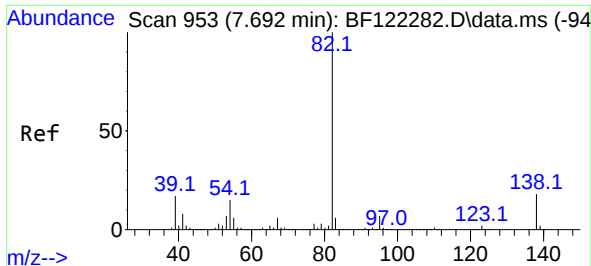


#23
Nitrobenzene-d5
Concen: 74.52 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.005 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion: 82 Resp: 1262797

Ion	Ratio	Lower	Upper
82	100		
128	47.4	35.0	52.4
54	47.8	43.9	65.9

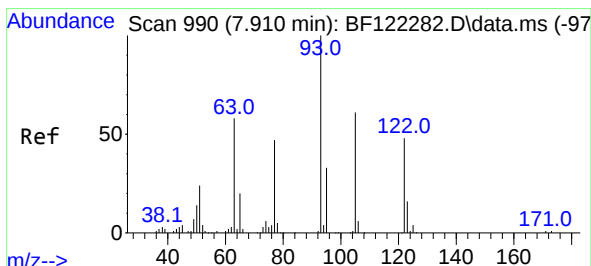
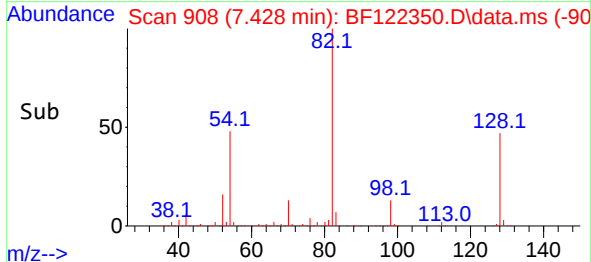
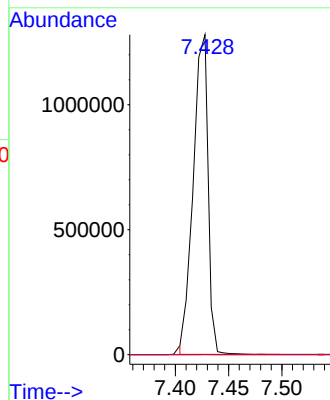
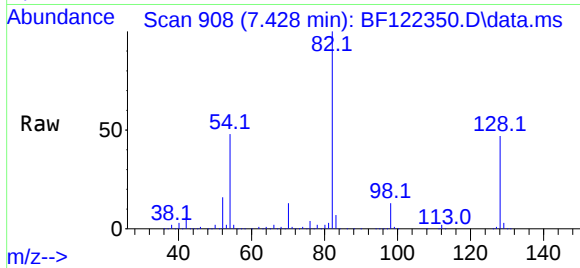




#25
Isophorone
Concen: 32.92 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.264 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

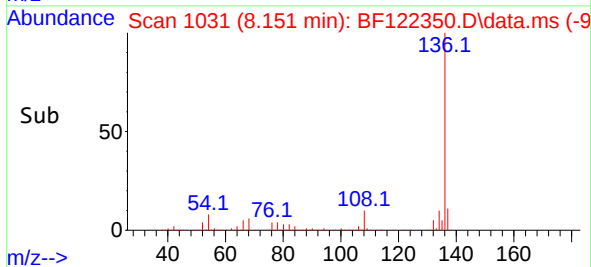
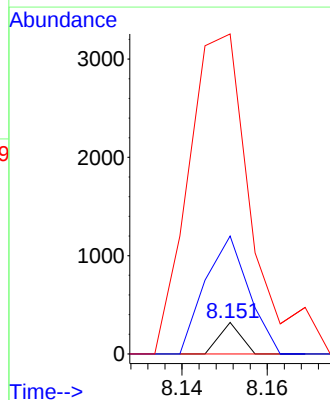
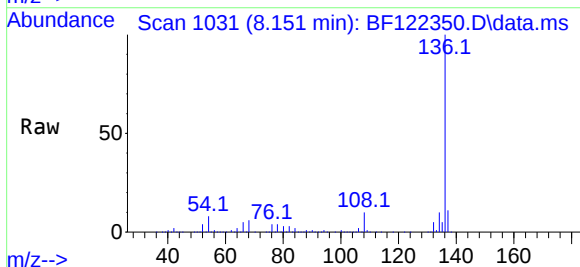
Instrument :
BNA_F
ClientSampleId :
RBR-34

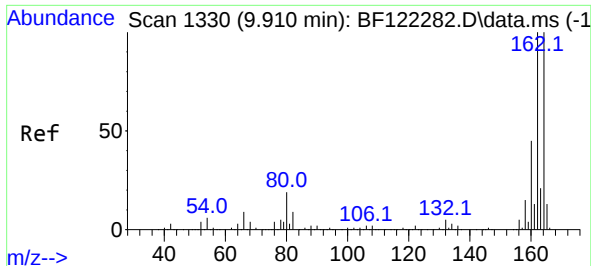
Tgt Ion: 82 Resp: 1243512
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 7.97 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.241 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion:122 Resp: 113
Ion Ratio Lower Upper
122 100
105 375.0 103.3 143.3#
77 1017.5 73.9 113.9#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.904 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF122350.D

Acq: 17 Nov 2020 17:20

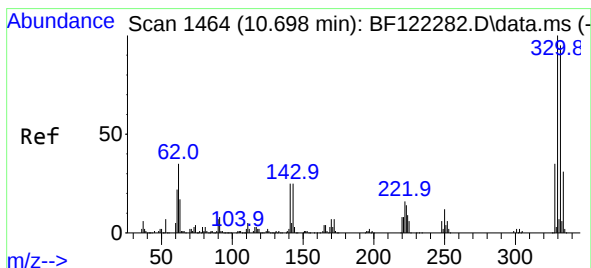
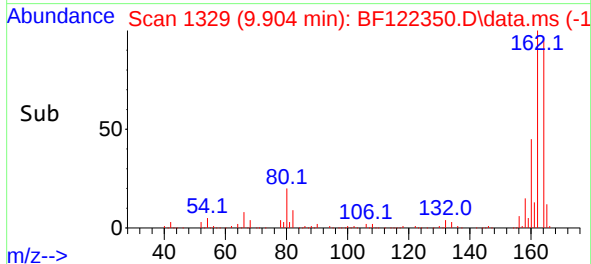
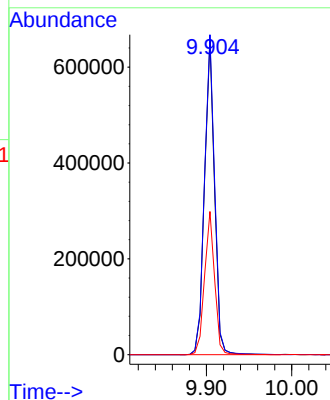
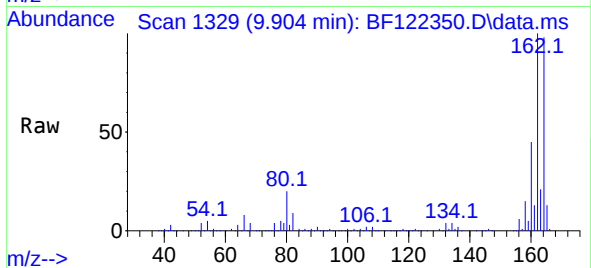
Tgt Ion:164 Resp: 536923

Ion Ratio Lower Upper

164 100

162 101.7 83.2 124.8

160 45.5 37.5 56.3



#42

2,4,6-Tribromophenol

Concen: 102.09 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.005 min

Lab File: BF122350.D

Acq: 17 Nov 2020 17:20

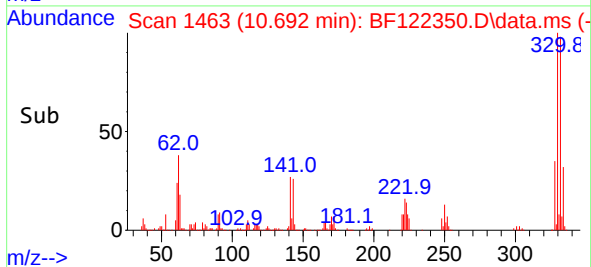
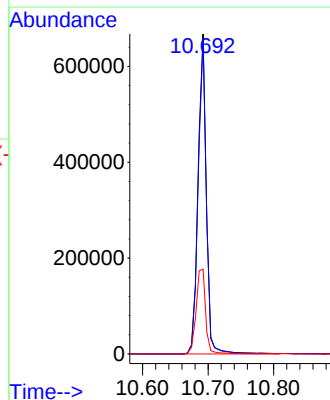
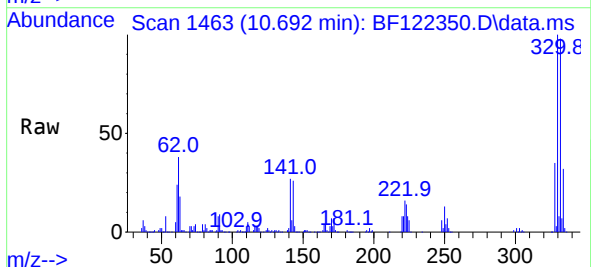
Tgt Ion:330 Resp: 588333

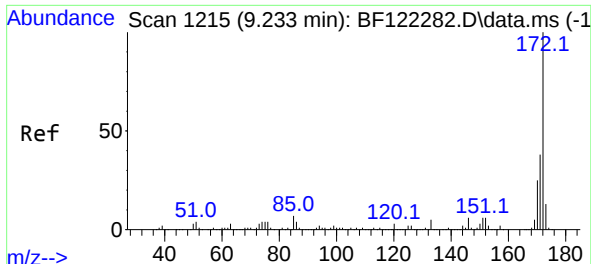
Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

141 30.6 22.3 33.5

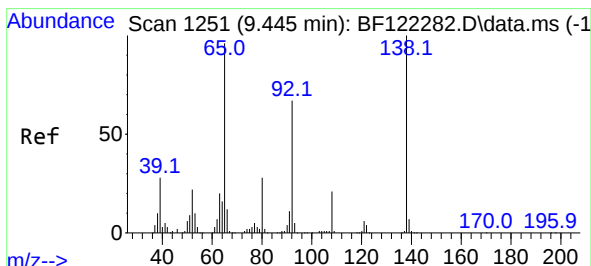
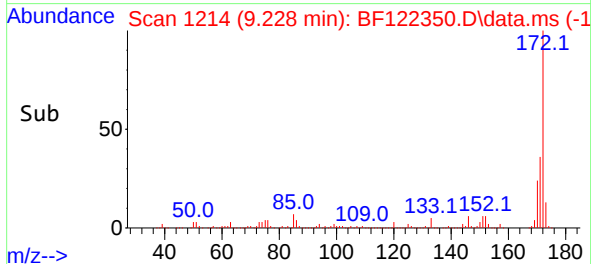
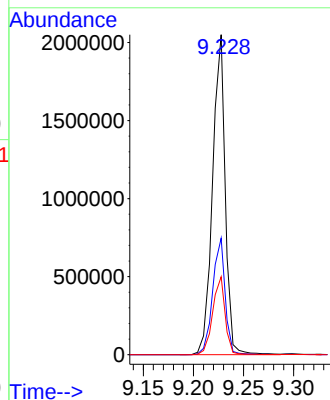
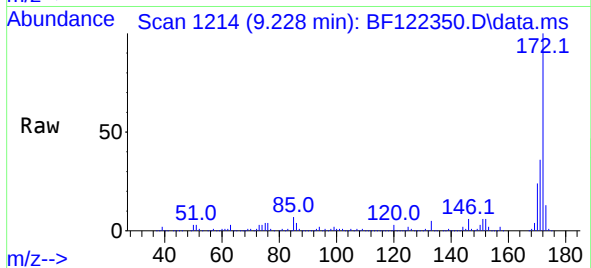




#45
2-Fluorobiphenyl
Concen: 52.58 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.005 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

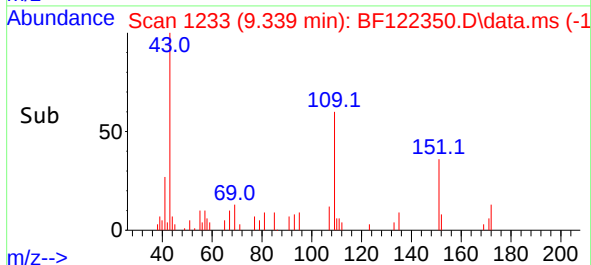
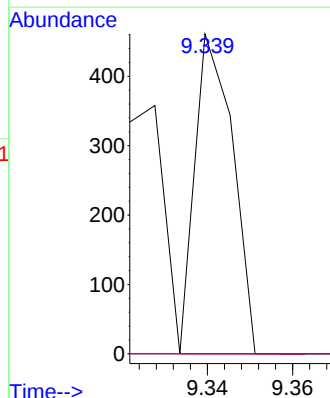
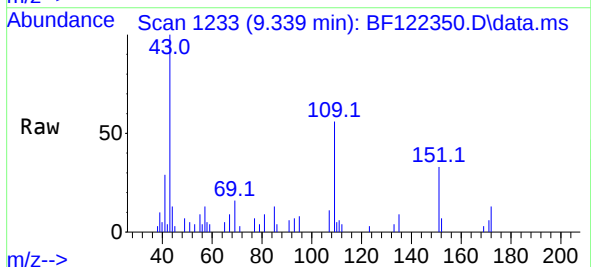
Instrument :
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RBR-34

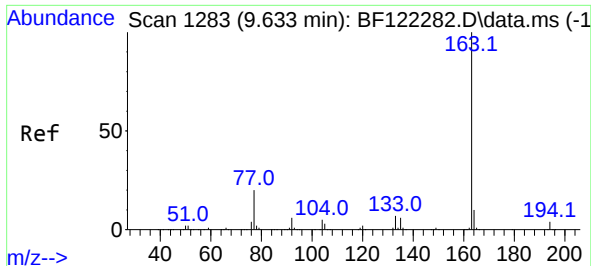
Tgt Ion:172 Resp: 1806877
Ion Ratio Lower Upper
172 100
171 36.4 29.1 43.7
170 24.4 19.8 29.6



#48
2-Nitroaniline
Concen: 5.19 ng
RT: 9.339 min Scan# 1233
Delta R.T. -0.106 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion: 65 Resp: 284
Ion Ratio Lower Upper
65 100
92 0.0 55.1 82.7#
138 0.0 80.5 120.7#

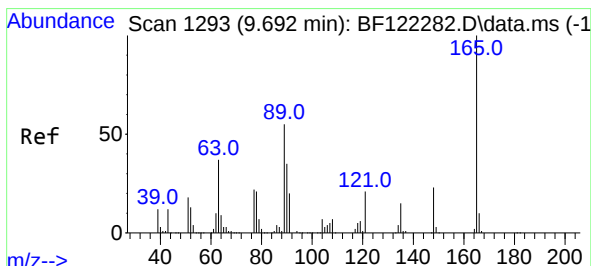
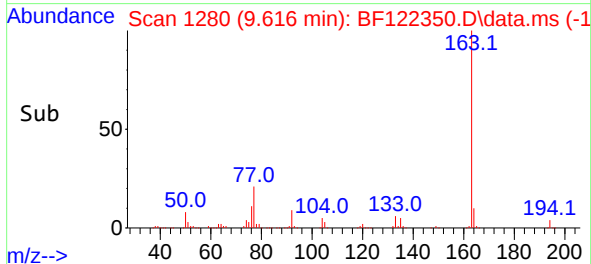
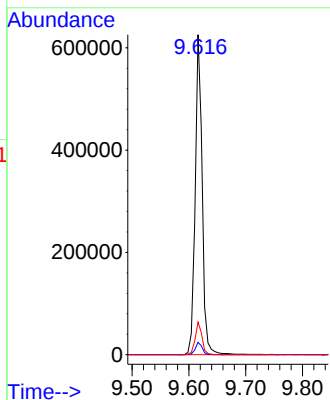
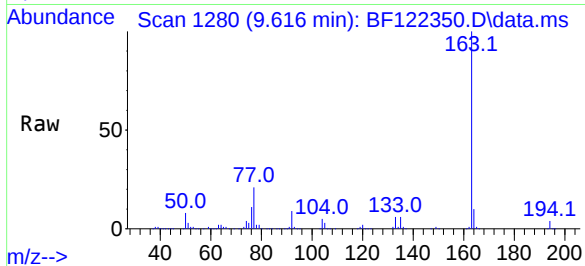




#50
Dimethylphthalate
Concen: 14.12 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

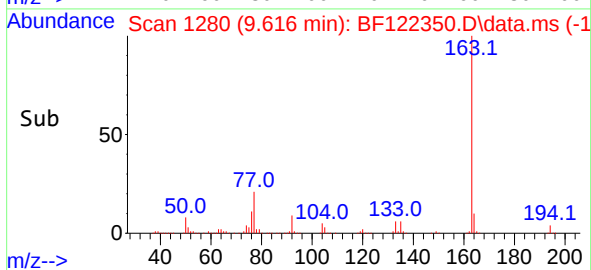
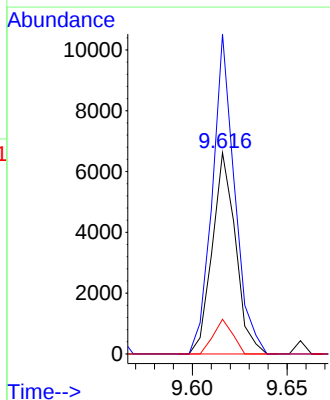
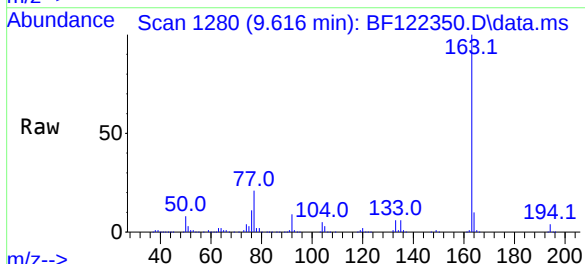
Instrument :
BNA_F
ClientSampleId :
RBR-34

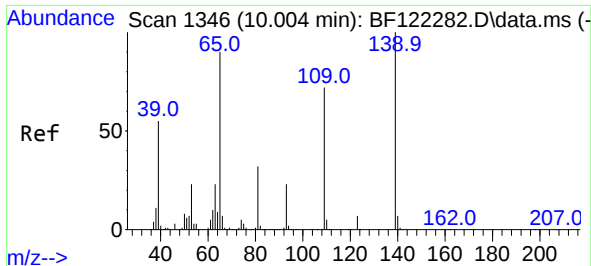
Tgt Ion:163 Resp: 539049
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.2 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 4.43 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.076 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion:165 Resp: 5649
Ion Ratio Lower Upper
165 100
63 159.0 51.8 77.6#
89 17.3 49.0 73.6#

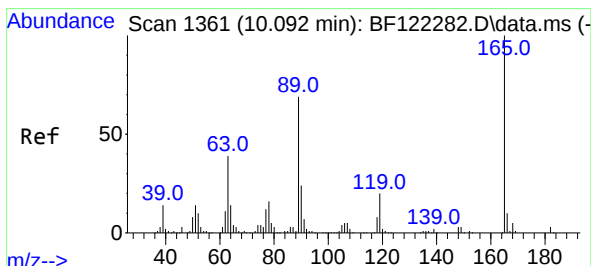
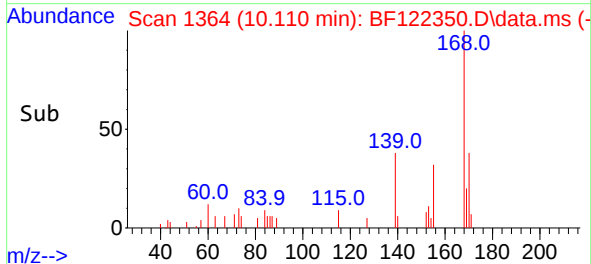
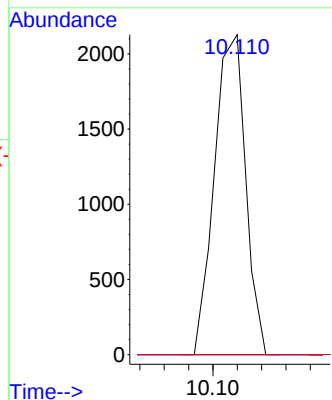
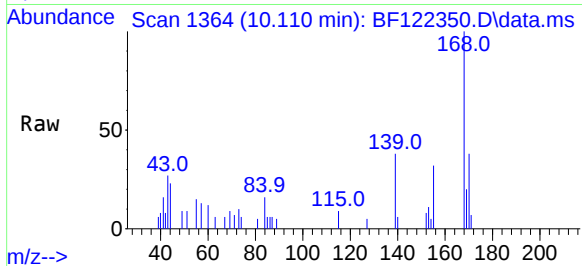




#56
4-Nitrophenol
Concen: 5.62 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.106 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

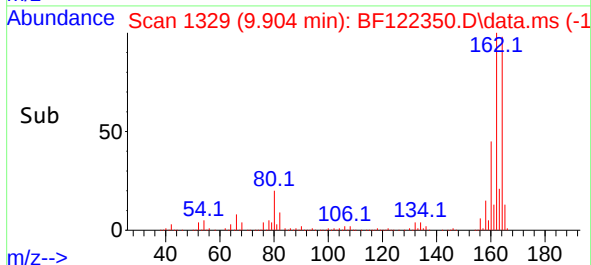
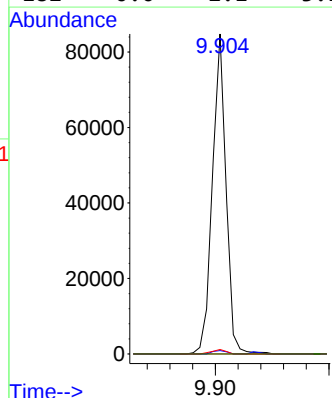
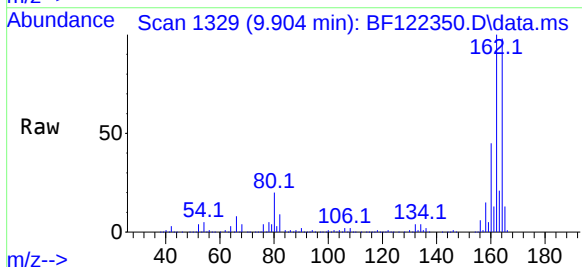
Instrument :
BNA_F
ClientSampleId :
RBR-34

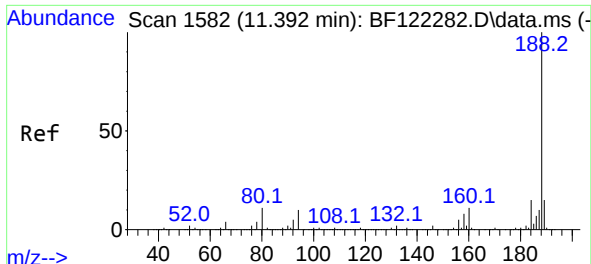
Tgt Ion:139 Resp: 1893
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 10.64 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion:165 Resp: 70330
Ion Ratio Lower Upper
165 100
63 1.0 41.3 61.9#
89 1.4 61.8 92.8#
182 0.0 2.1 3.1#

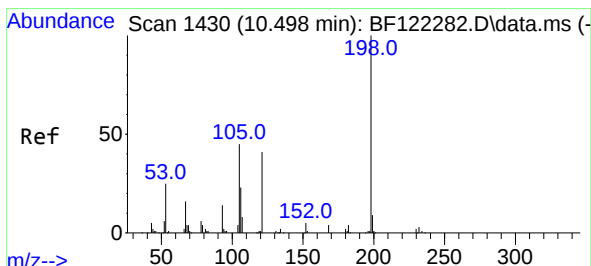
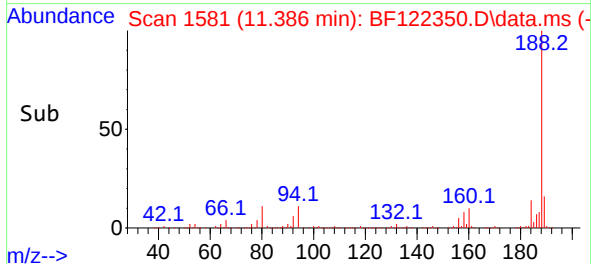
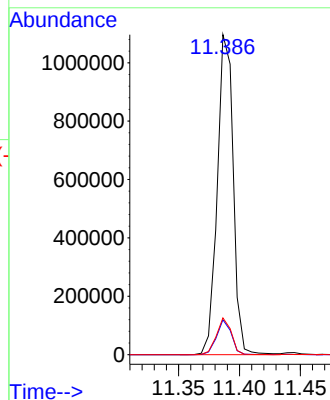
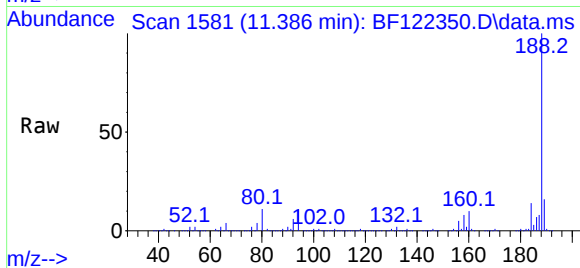




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

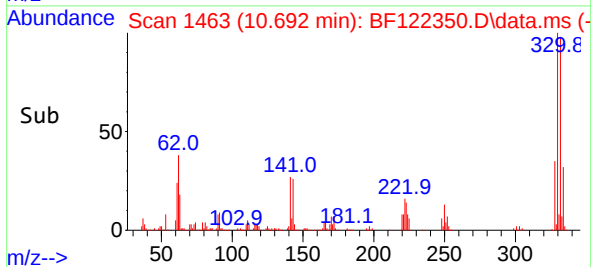
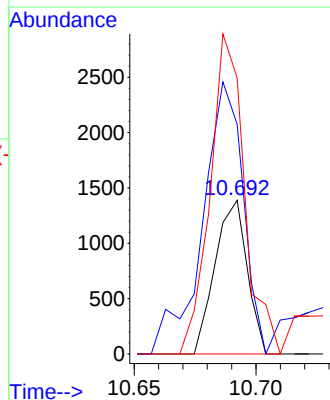
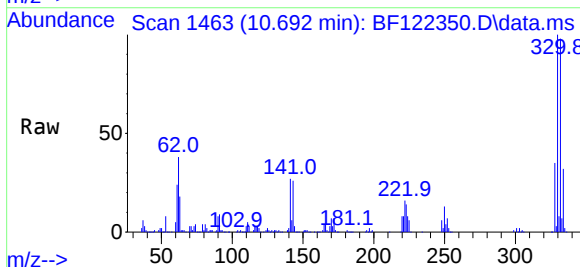
Instrument :
BNA_F
ClientSampleId :
RBR-34

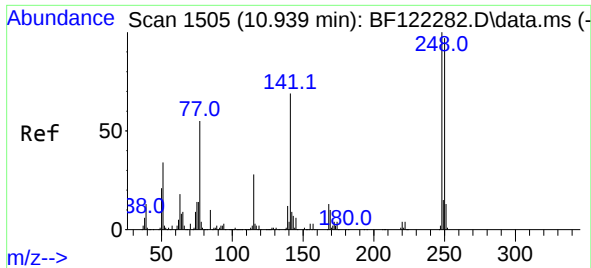
Tgt Ion:188 Resp: 999542
Ion Ratio Lower Upper
188 100
94 10.9 8.3 12.5
80 11.5 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 6.52 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.194 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion:198 Resp: 1269
Ion Ratio Lower Upper
198 100
51 149.4 29.6 69.6#
105 179.6 24.4 64.4#

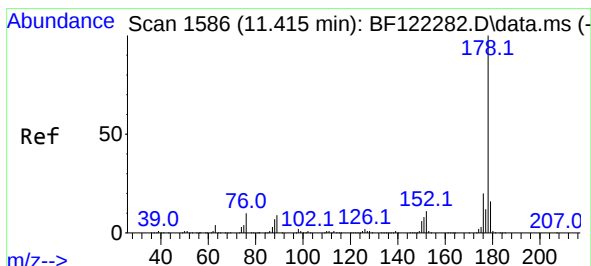
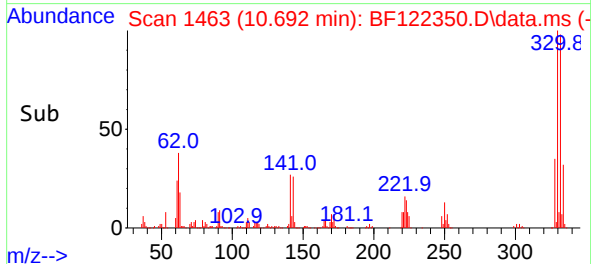
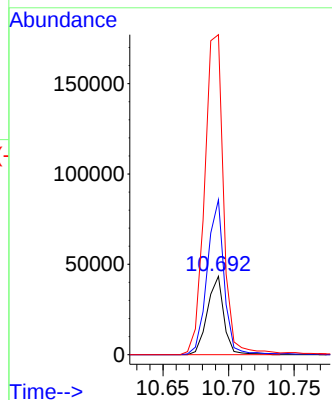
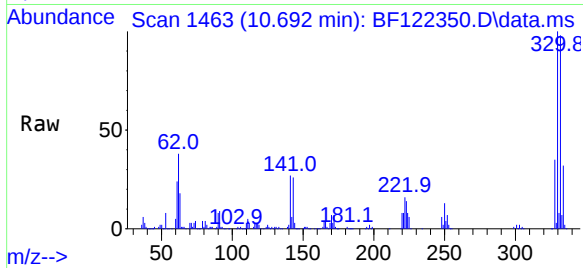




#67
4-Bromophenyl-phenylether
Concen: 3.25 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

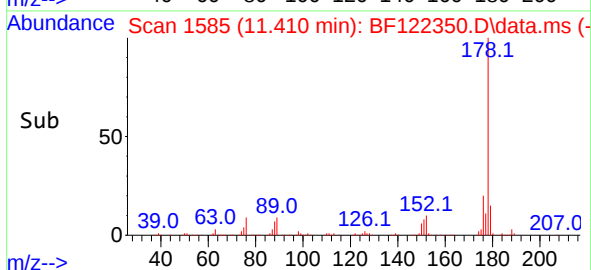
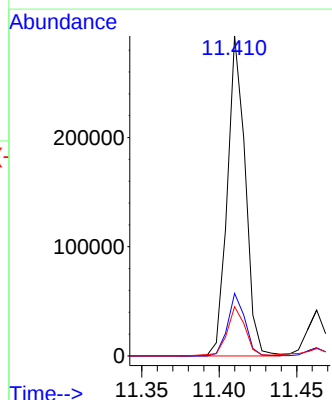
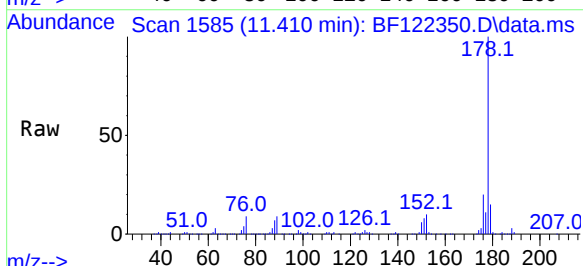
Instrument :
BNA_F
ClientSampled :
RBR-34

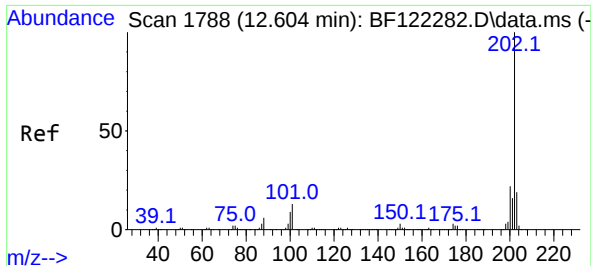
Tgt Ion:248 Resp: 38185
Ion Ratio Lower Upper
248 100
250 197.4 77.0 115.6#
141 408.0 53.7 80.5#



#71
Phenanthrene
Concen: 4.16 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.005 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

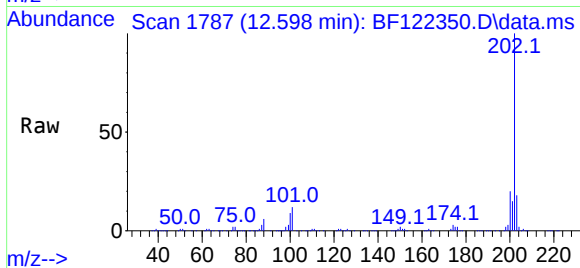
Tgt Ion:178 Resp: 235756
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.4 12.2 18.4



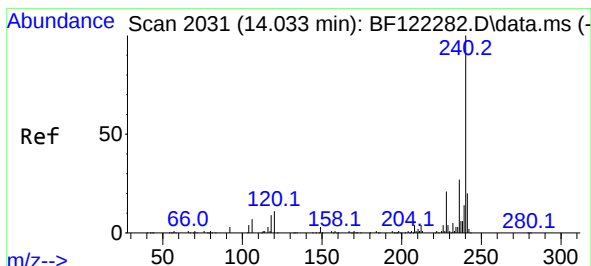
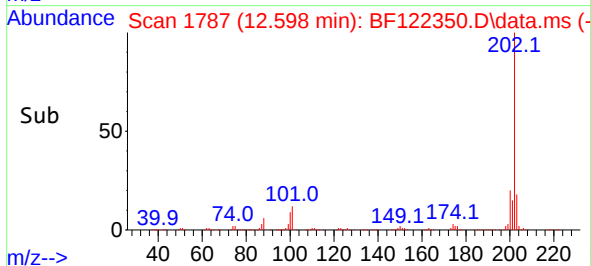
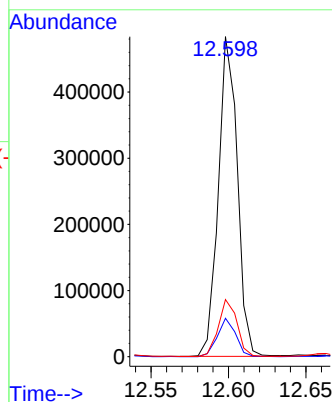


#75
Fluoranthene
Concen: 6.95 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Instrument :
BNA_F
ClientSampleId :
RBR-34

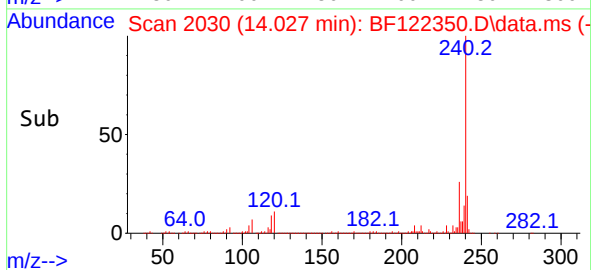
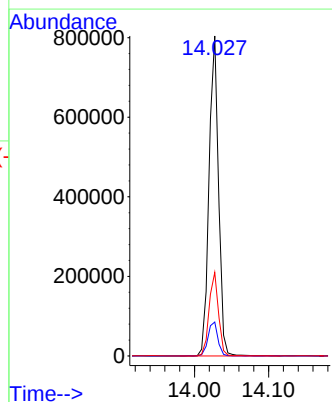
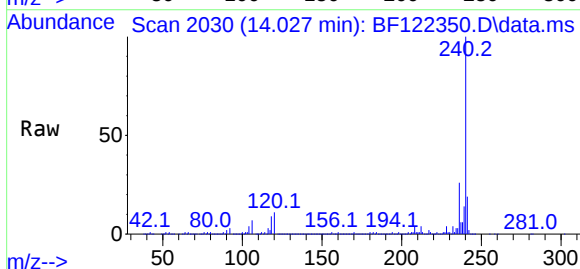


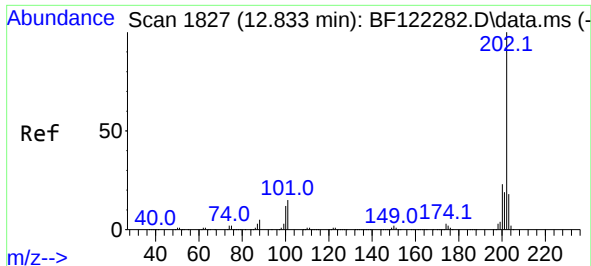
Tgt Ion:202 Resp: 411536
Ion Ratio Lower Upper
202 100
101 12.0 0.0 33.4
203 17.9 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion:240 Resp: 716455
Ion Ratio Lower Upper
240 100
120 10.6 9.2 13.8
236 26.1 20.9 31.3



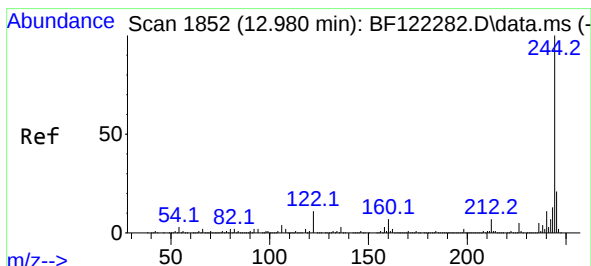
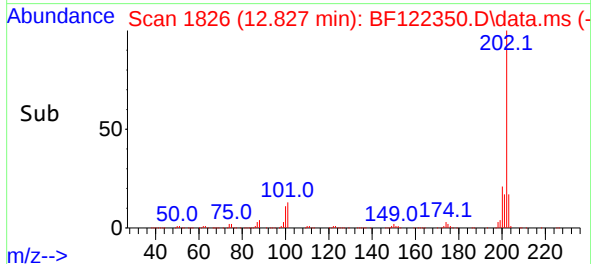
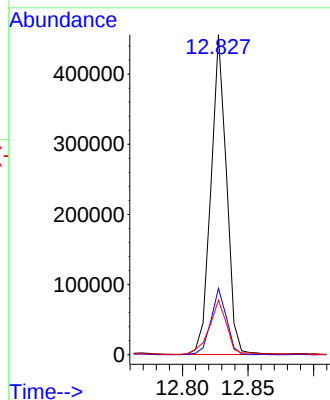
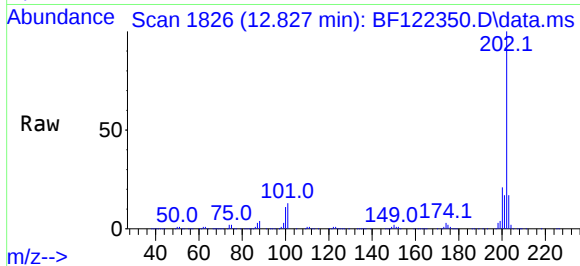


#78
Pyrene
Concen: 7.50 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.005 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Instrument :
BNA_F
ClientSampleId :
RBR-34

Tgt Ion:202 Resp: 377419

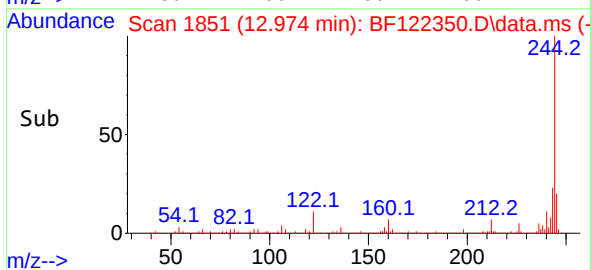
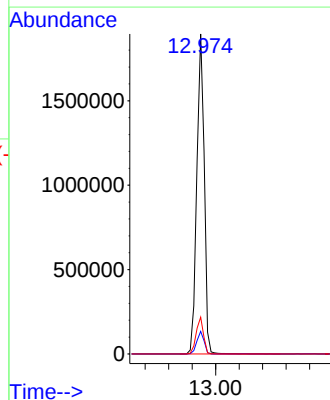
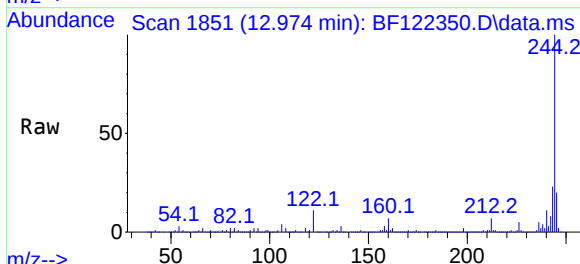
Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.0	14.6	21.8

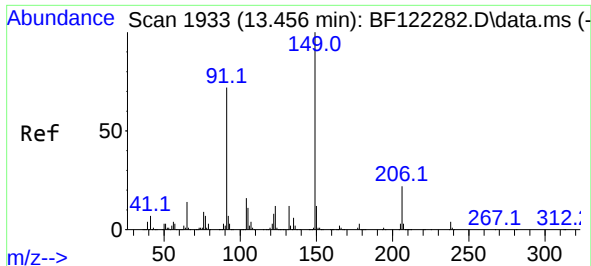


#79
Terphenyl-d14
Concen: 49.41 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.005 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion:244 Resp: 1671135

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	11.5	8.1	12.1

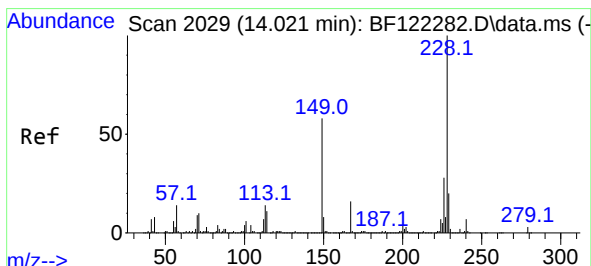
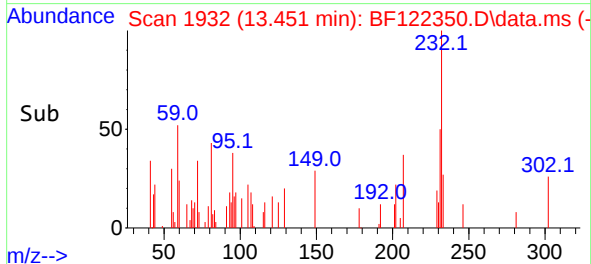
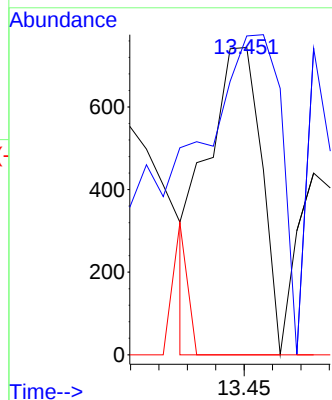
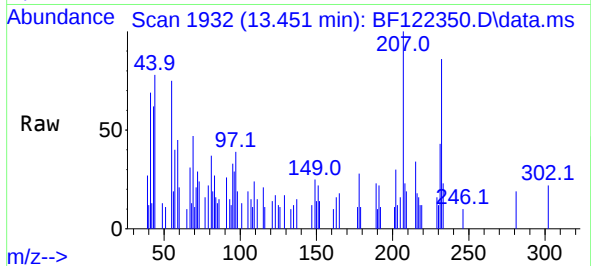




#80
Butylbenzylphthalate
Concen: 3.34 ng
RT: 13.451 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

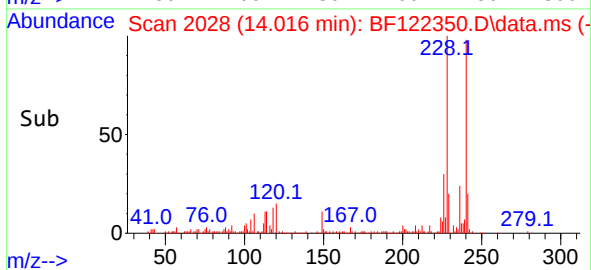
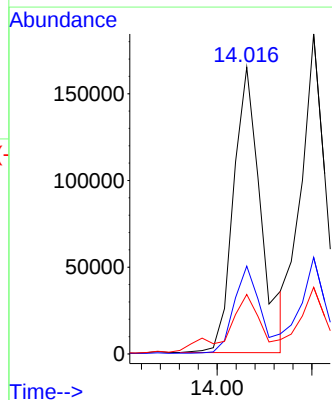
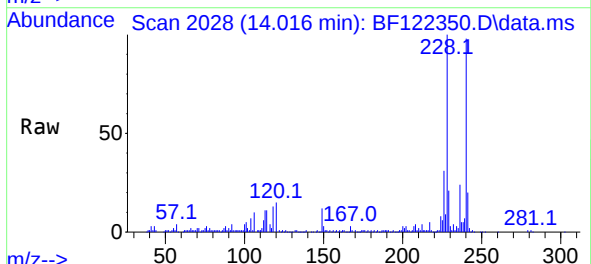
Instrument :
BNA_F
ClientSampled :
RBR-34

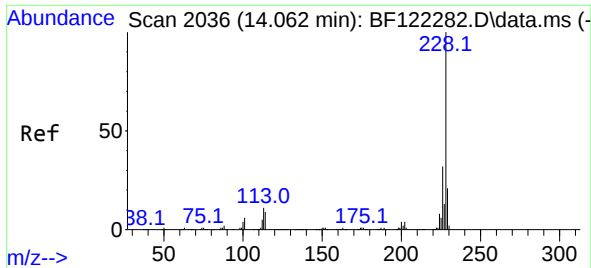
Tgt Ion:	149	Resp:	1015
Ion	Ratio	Lower	Upper
149	100		
91	103.8	61.0	91.4#
206	0.0	16.7	25.1#



#81
Benzo(a)anthracene
Concen: 3.71 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.005 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion:	228	Resp:	165358
Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.3	33.5
229	20.8	16.2	24.4

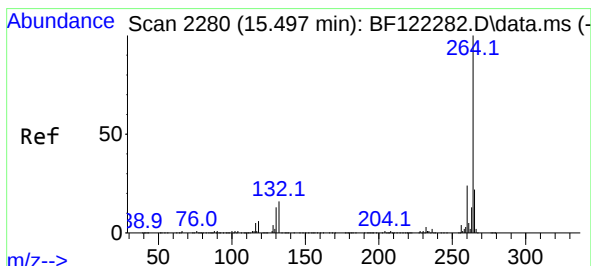
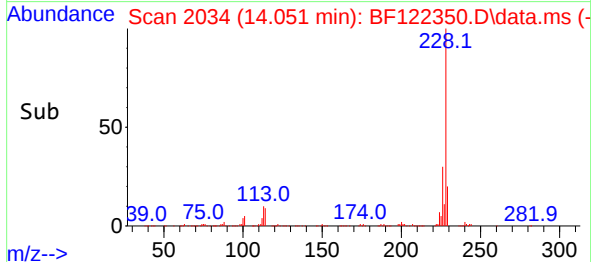
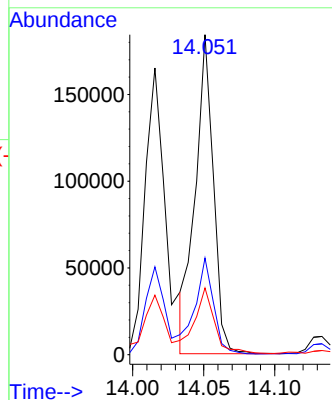
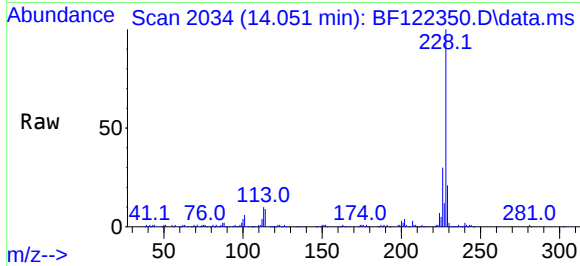




#83
Chrysene
Concen: 3.64 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.011 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

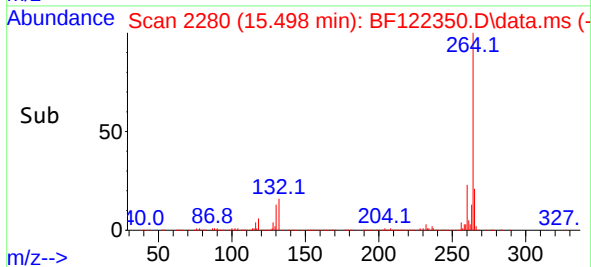
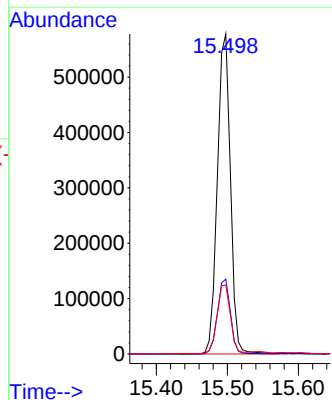
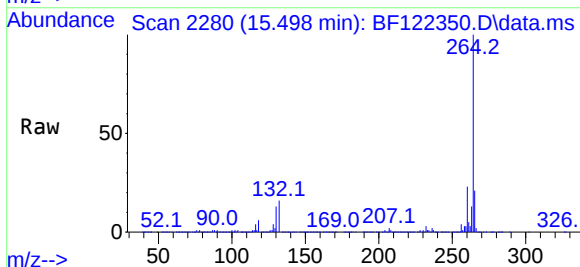
Instrument :
BNA_F
ClientSampled :
RBR-34

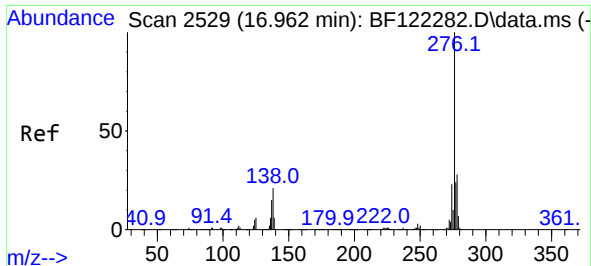
Tgt Ion:	228	Resp:	163246
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.6	37.0
229	20.8	15.9	23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion:	264	Resp:	734633
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.7	28.1
265	21.5	17.3	25.9

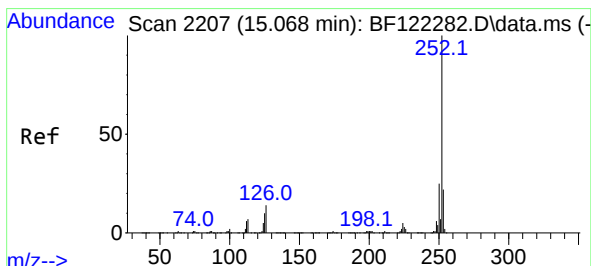
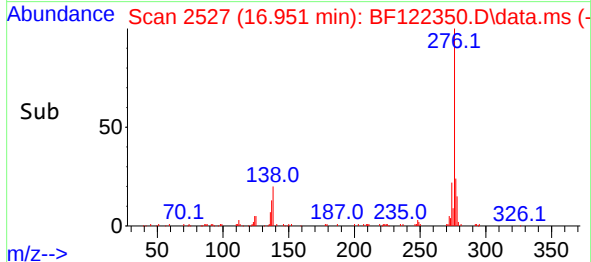
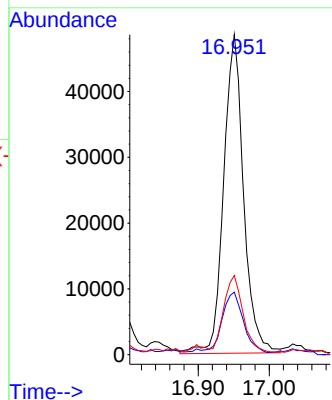
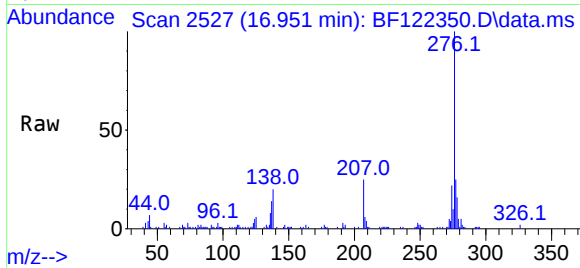




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.15 ng
RT: 16.951 min Scan# 2527
Delta R.T. -0.011 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

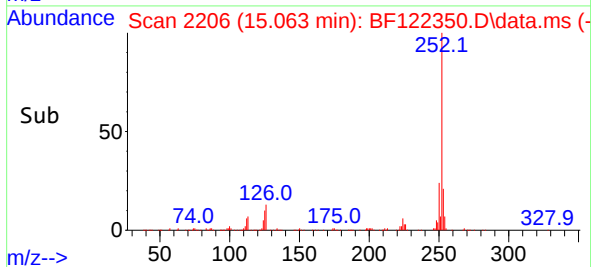
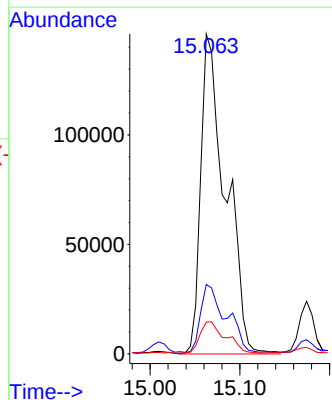
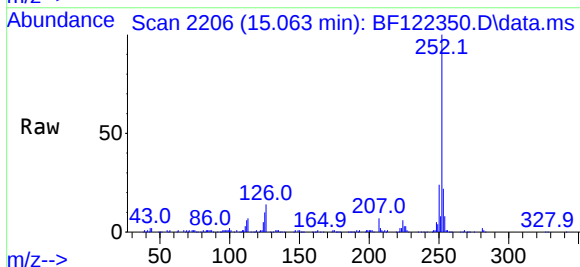
Instrument :
BNA_F
ClientSampleId :
RBR-34

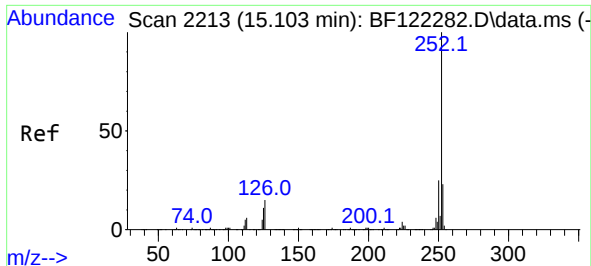
Tgt Ion:	276	Resp:	94614
Ion Ratio	Lower	Upper	
276	100		
138	21.2	19.9	29.9
277	23.1	20.4	30.6



#88
Benzo(b)fluoranthene
Concen: 5.91 ng
RT: 15.063 min Scan# 2206
Delta R.T. -0.005 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion:	252	Resp:	281221
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.2	27.2
125	10.0	8.0	12.0

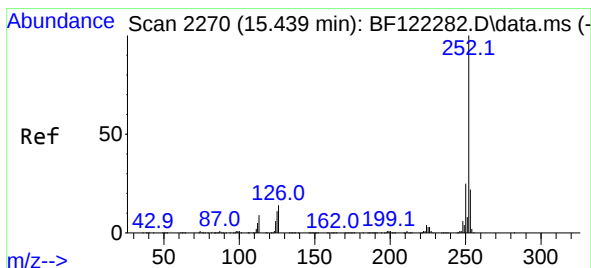
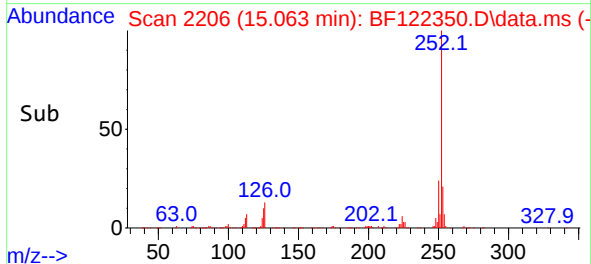
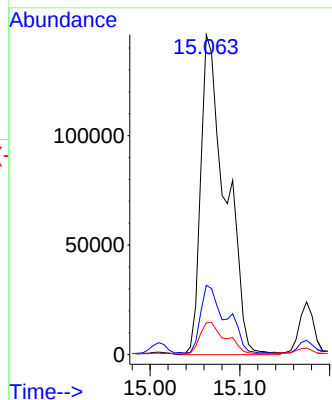
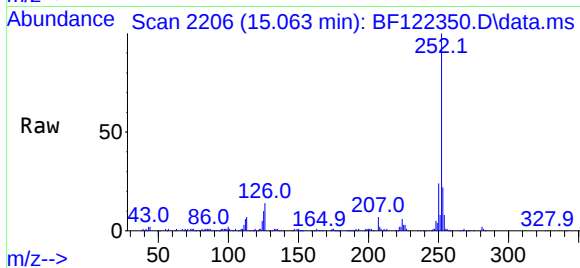




#89
Benzo(k)fluoranthene
Concen: 6.06 ng
RT: 15.063 min Scan# 2206
Delta R.T. -0.041 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

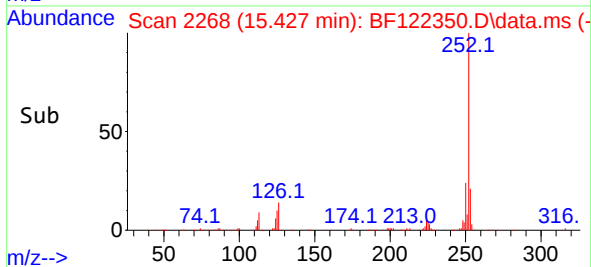
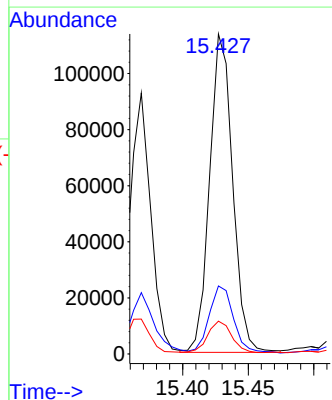
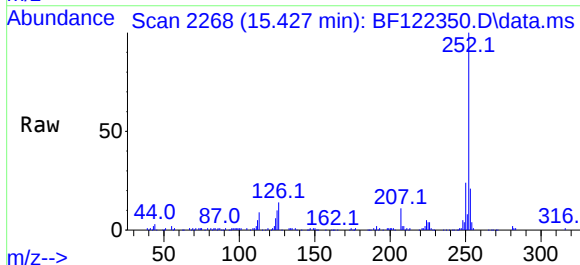
Instrument :
BNA_F
ClientSampleId :
RBR-34

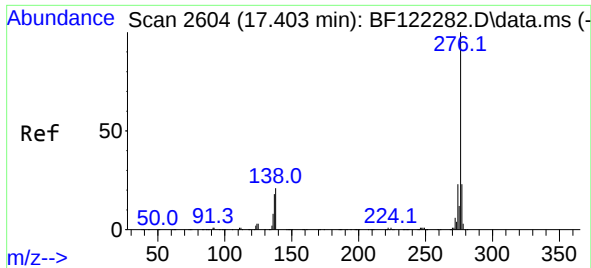
Tgt Ion:252 Resp: 281221
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 10.0 7.7 11.5



#90
Benzo(a)pyrene
Concen: 3.34 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.011 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Tgt Ion:252 Resp: 138591
Ion Ratio Lower Upper
252 100
253 21.2 17.3 25.9
125 10.2 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 2.38 ng
RT: 17.392 min Scan# 2602
Delta R.T. -0.011 min
Lab File: BF122350.D
Acq: 17 Nov 2020 17:20

Instrument :
BNA_F
ClientSampleId :
RBR-34

Tgt Ion:	276	Resp:	85353
Ion Ratio	Lower	Upper	
276	100		
277	22.6	19.4	29.2
138	21.5	17.8	26.6

