

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111320\
 Data File : BF122331.D
 Acq On : 13 Nov 2020 16:10
 Operator : JU/CG
 Sample : L4723-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-59

Quant Time: Nov 13 16:41:58 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)

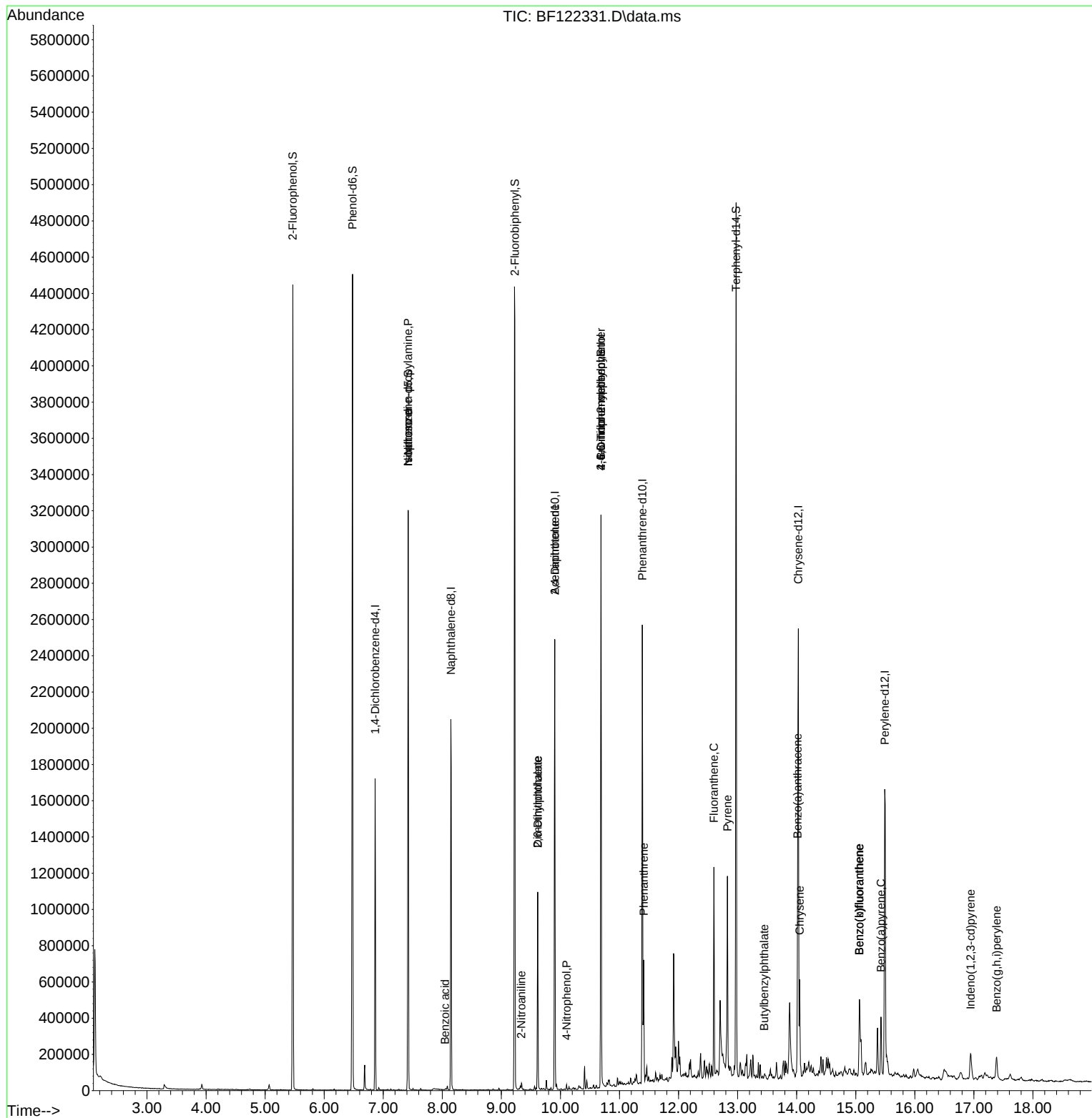
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	226120	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	866264	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	460027	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	848156	20.00	ng	0.00
76) Chrysene-d12	14.027	240	751076	20.00	ng	0.00
86) Perylene-d12	15.492	264	733460	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1170979	79.52	ng	0.00
7) Phenol-d6	6.481	99	1455447	75.55	ng	-0.01
23) Nitrobenzene-d5	7.422	82	903660	63.86	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	346277	70.13	ng	-0.01
45) 2-Fluorobiphenyl	9.227	172	1374815	46.69	ng	0.00
79) Terphenyl-d14	12.974	244	1374335	38.76	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	2524	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.422	70	122024	10.60	ng	# 76
25) Isophorone	7.422	82	903292	28.63	ng	# 67
32) Benzoic acid	8.045	122	761	8.04	ng	93
48) 2-Nitroaniline	9.339	65	436	5.21	ng	# 6
50) Dimethylphthalate	9.616	163	389824	11.92	ng	100
51) 2,6-Dinitrotoluene	9.616	165	4449	4.38	ng	# 23
56) 4-Nitrophenol	10.104	139	1978	5.67	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	58964	10.52	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.686	198	836	6.43	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	22325	2.24	ng	# 1
71) Phenanthrene	11.410	178	221397	4.60	ng	99
75) Fluoranthene	12.598	202	410937	8.18	ng	98
78) Pyrene	12.827	202	389174	7.38	ng	98
80) Butylbenzylphthalate	13.451	149	2200	3.39	ng	# 86
81) Benzo(a)anthracene	14.015	228	176800	3.79	ng	97
83) Chrysene	14.051	228	183738	3.91	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	101967	2.32	ng	95
88) Benzo(b)fluoranthene	15.062	252	301983	6.36	ng	99
89) Benzo(k)fluoranthene	15.062	252	301983	6.52	ng	99
90) Benzo(a)pyrene	15.427	252	152646	3.69	ng	98
92) Benzo(g,h,i)perylene	17.386	276	103154	2.88	ng	97

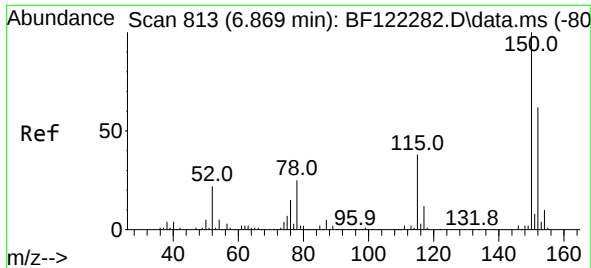
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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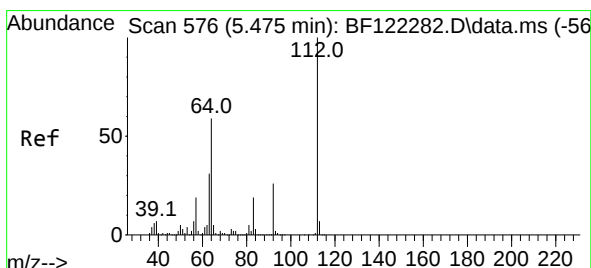
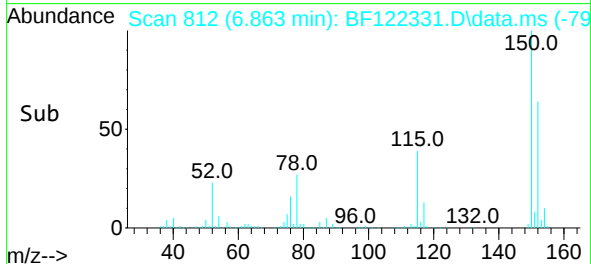
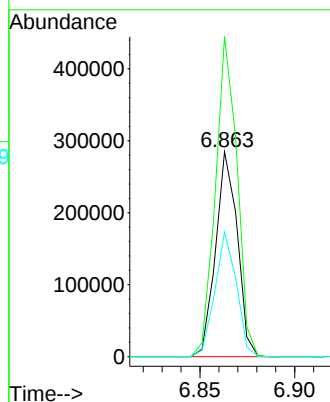
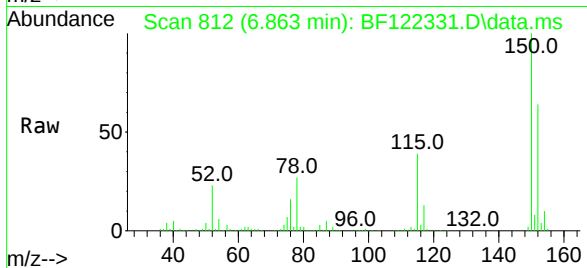




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

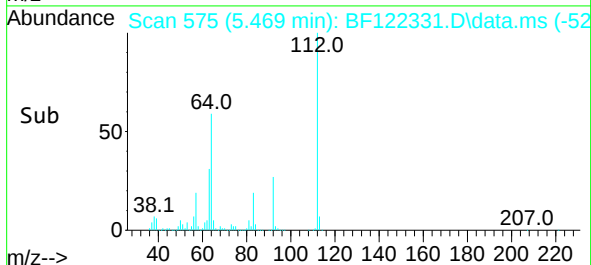
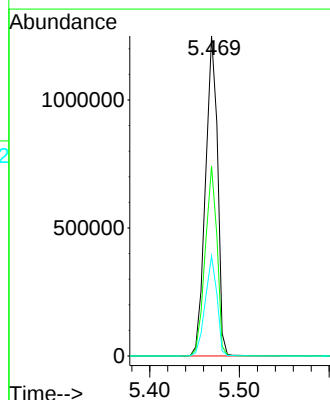
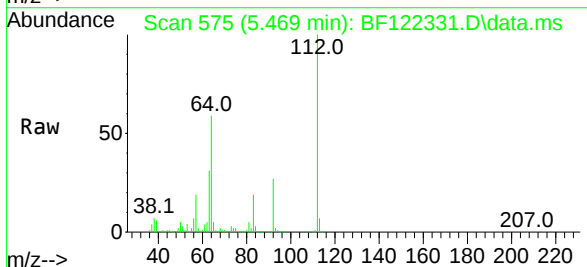
Instrument :
BNA_F
ClientSampleId :
RBR-59

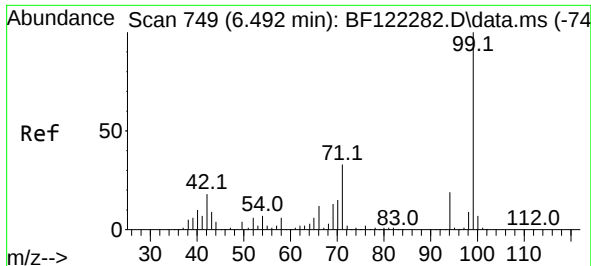
Tgt Ion:152 Resp: 226120
Ion Ratio Lower Upper
152 100
150 156.1 125.3 187.9
115 60.7 51.9 77.9



#5
2-Fluorophenol
Concen: 79.52 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.006 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

Tgt Ion:112 Resp: 1170979
Ion Ratio Lower Upper
112 100
64 59.4 50.4 75.6
63 31.2 25.8 38.6

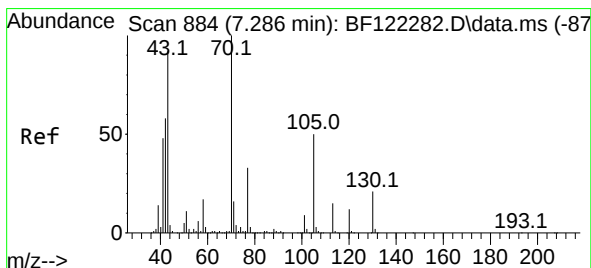
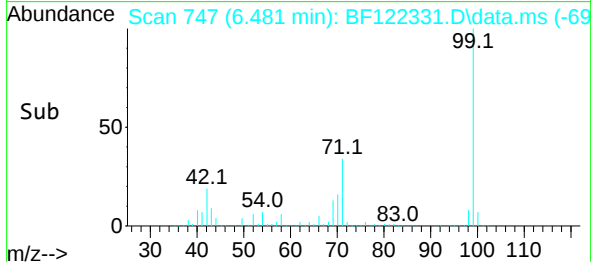
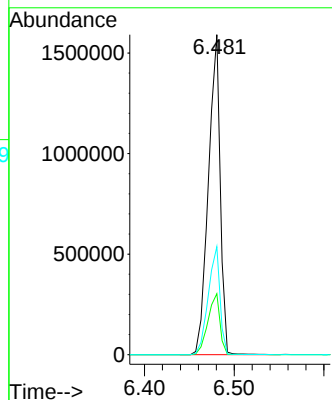
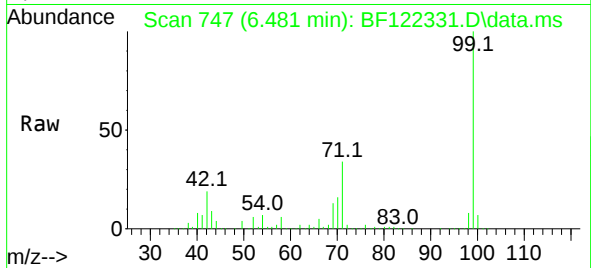




#7
Phenol-d6
Concen: 75.55 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

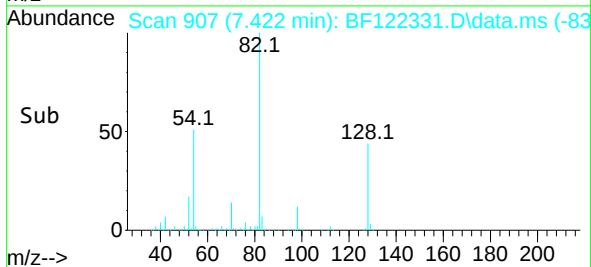
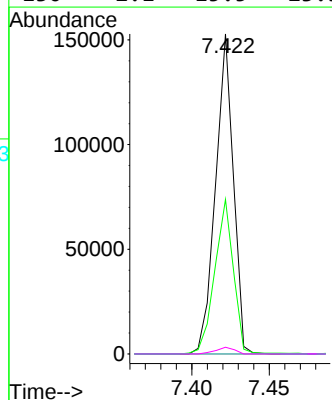
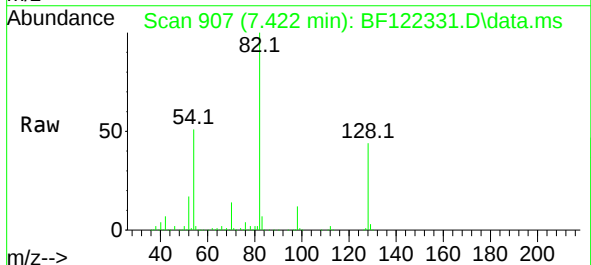
Instrument :
BNA_F
ClientSampleId :
RBR-59

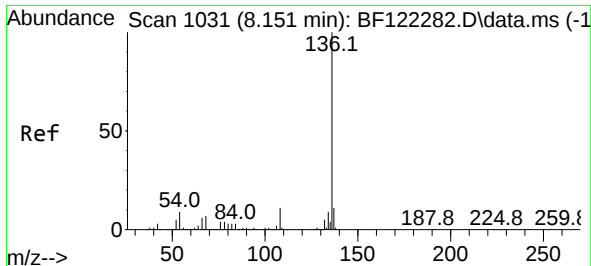
Tgt Ion: 99 Resp: 1455447
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 33.8 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.60 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.136 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

Tgt Ion: 70 Resp: 122024
Ion Ratio Lower Upper
70 100
42 48.3 50.2 75.4#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



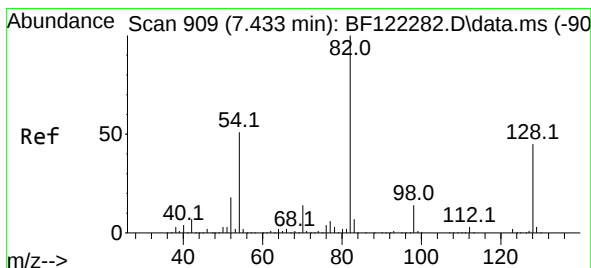
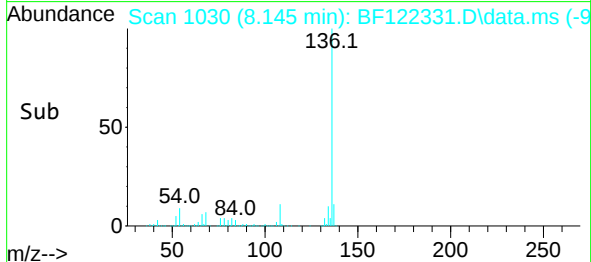
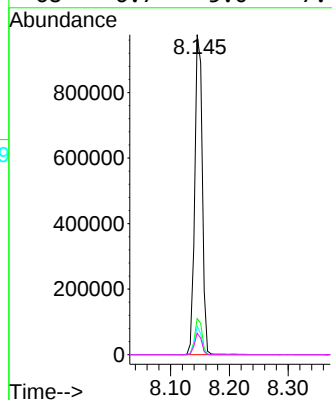
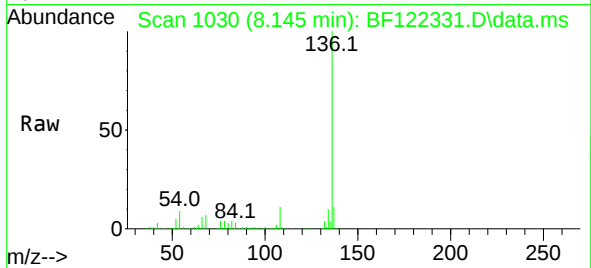


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

Instrument :
BNA_F
ClientSampleId :
RBR-59

Tgt Ion:136 Resp: 866264

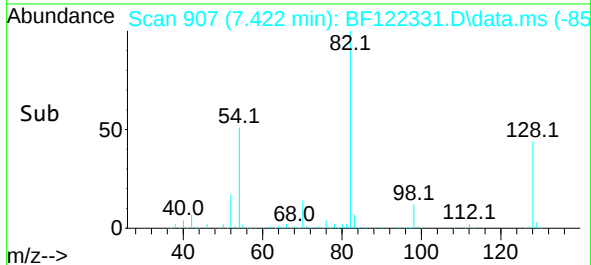
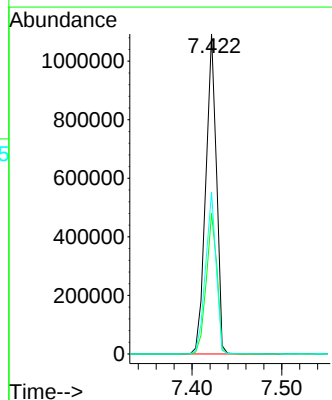
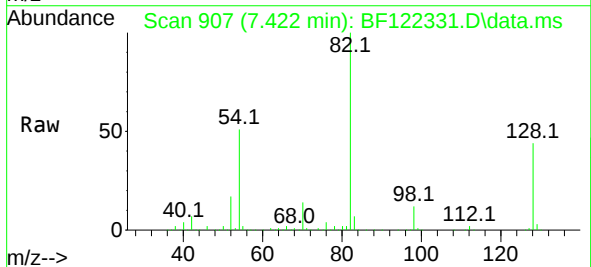
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	8.9	7.1	10.7
68	6.7	5.0	7.4

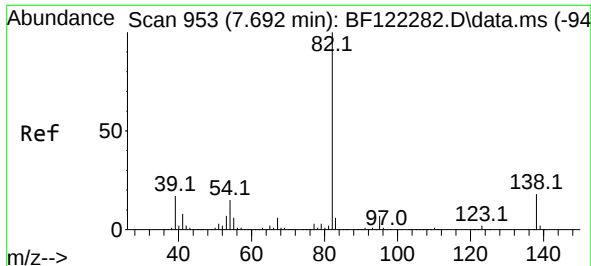


#23
Nitrobenzene-d5
Concen: 63.86 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

Tgt Ion: 82 Resp: 903660

Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.0	52.4
54	50.6	43.9	65.9

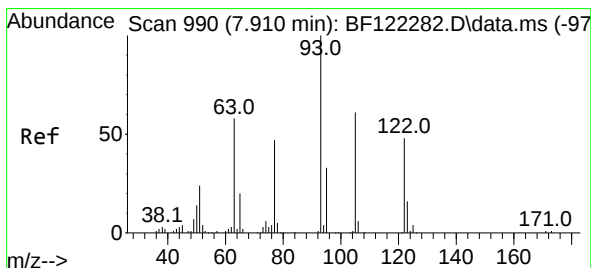
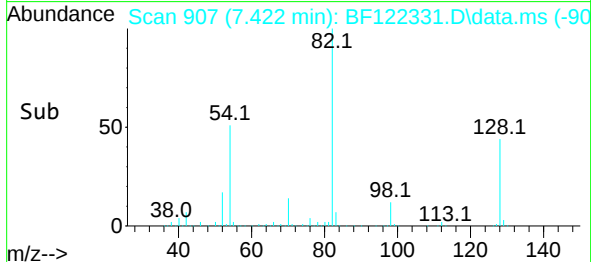
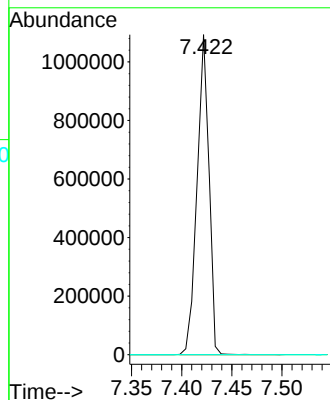
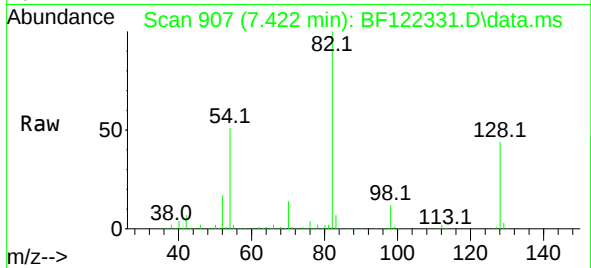




#25
Isophorone
Concen: 28.63 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.270 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

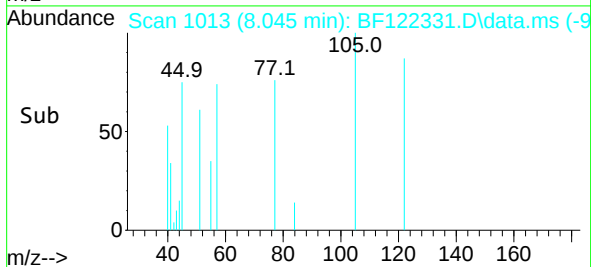
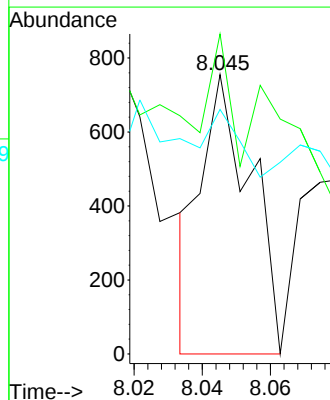
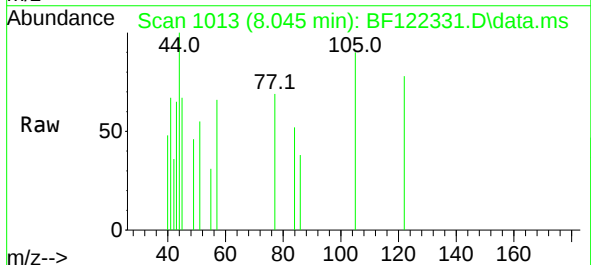
Instrument :
BNA_F
ClientSampleId :
RBR-59

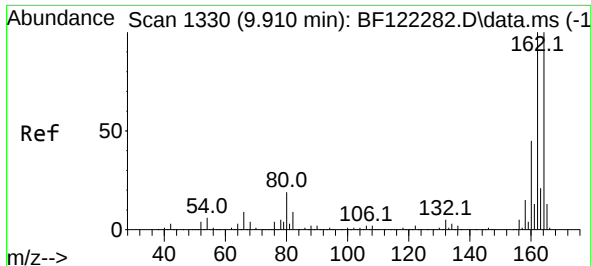
Tgt Ion: 82 Resp: 903292
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 8.04 ng
RT: 8.045 min Scan# 1013
Delta R.T. 0.135 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

Tgt Ion: 122 Resp: 761
Ion Ratio Lower Upper
122 100
105 114.6 103.3 143.3
77 87.5 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: BF122331.D

Acq: 13 Nov 2020 16:10

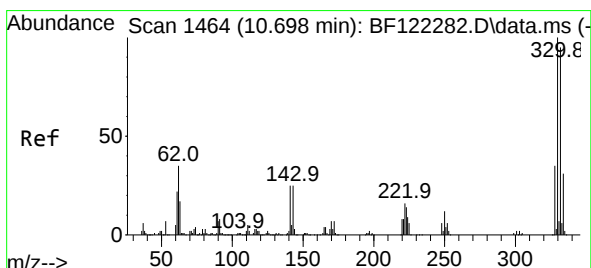
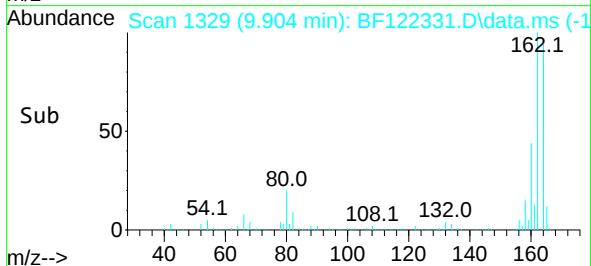
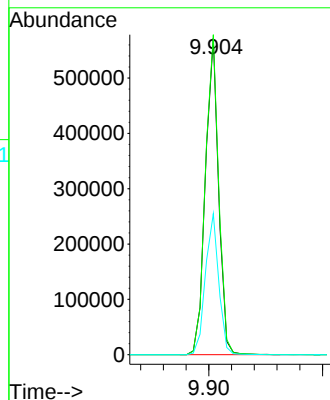
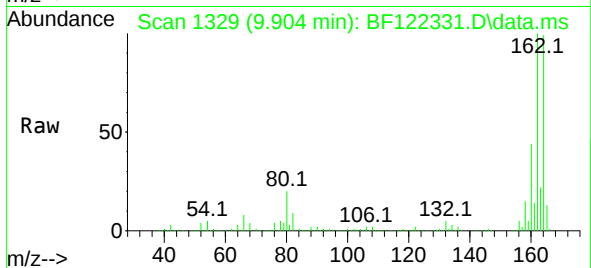
Tgt Ion:164 Resp: 460027

Ion Ratio Lower Upper

164 100

162 101.1 83.2 124.8

160 44.6 37.5 56.3



#42

2,4,6-Tribromophenol

Concen: 70.13 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF122331.D

Acq: 13 Nov 2020 16:10

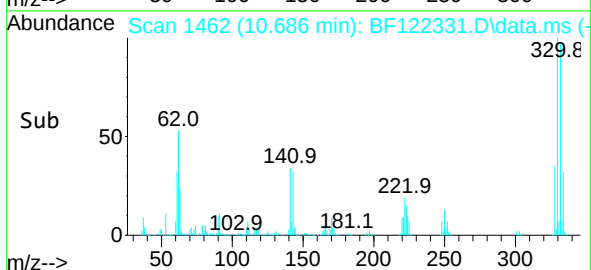
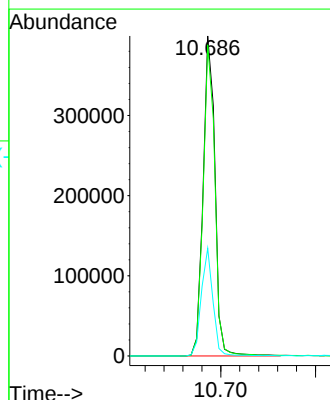
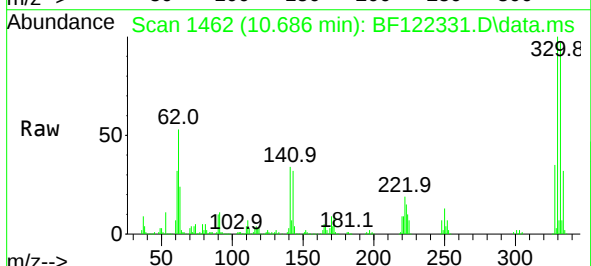
Tgt Ion:330 Resp: 346277

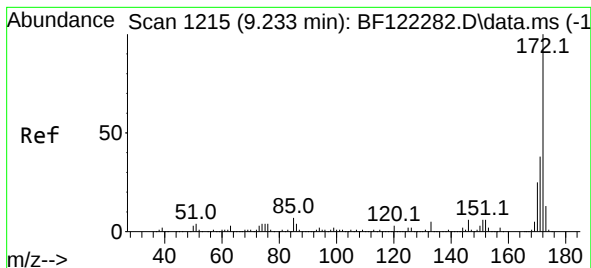
Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

141 33.2 22.3 33.5

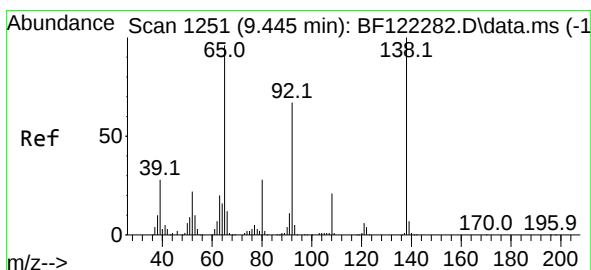
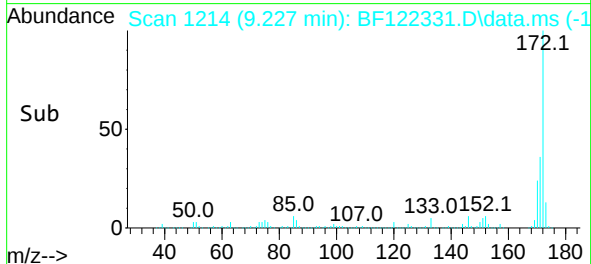
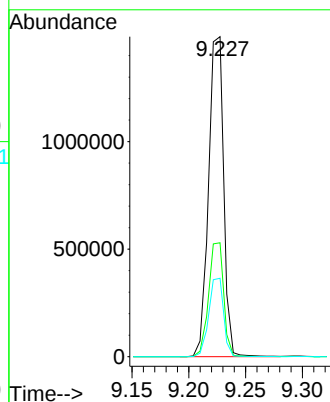
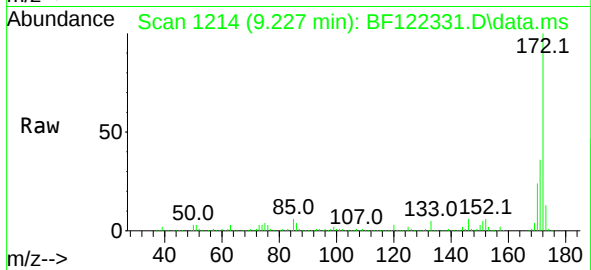




#45
2-Fluorobiphenyl
Concen: 46.69 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

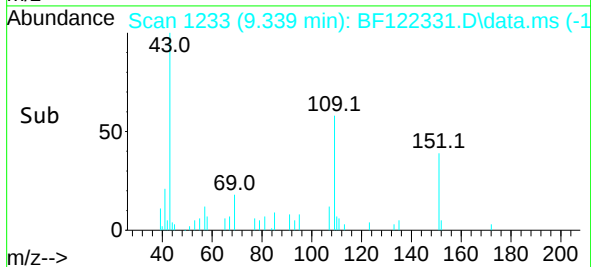
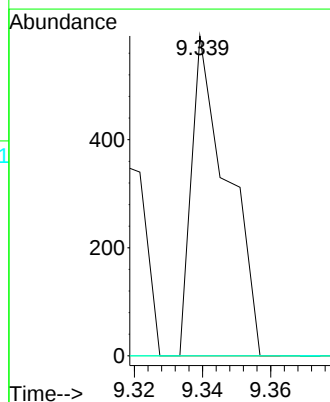
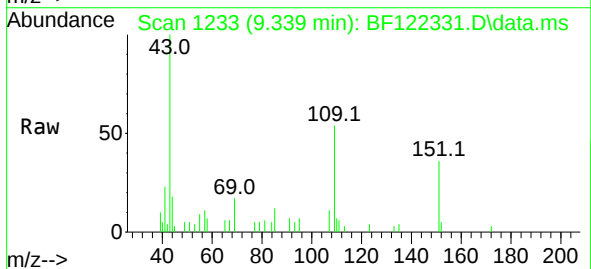
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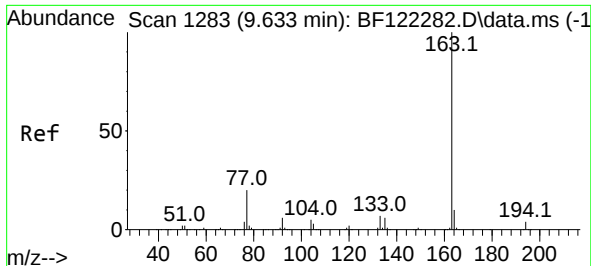
Tgt Ion:172 Resp: 1374815
Ion Ratio Lower Upper
172 100
171 35.6 29.1 43.7
170 24.5 19.8 29.6



#48
2-Nitroaniline
Concen: 5.21 ng
RT: 9.339 min Scan# 1233
Delta R.T. -0.106 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

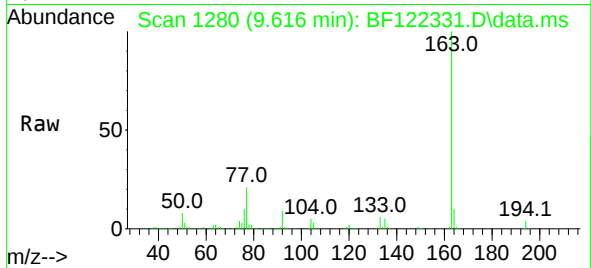
Tgt Ion: 65 Resp: 436
Ion Ratio Lower Upper
65 100
92 0.0 55.1 82.7#
138 0.0 80.5 120.7#



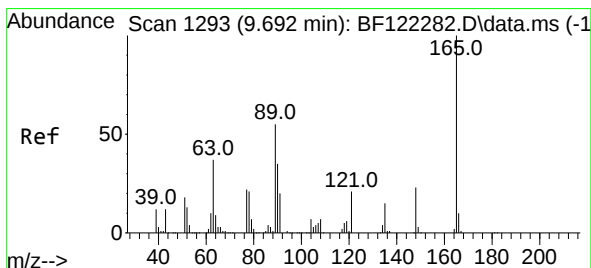
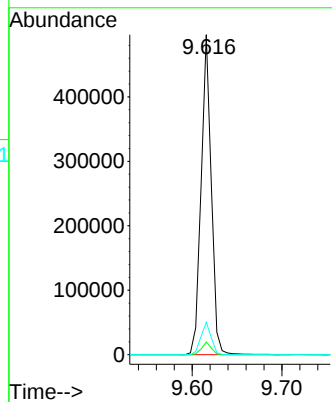
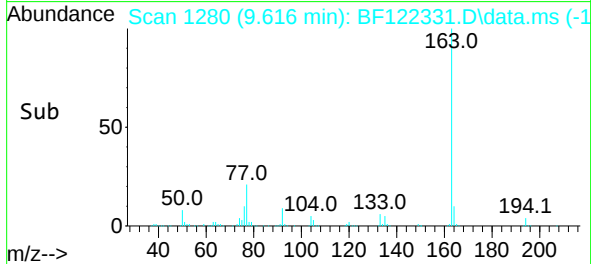


#50
Dimethylphthalate
Concen: 11.92 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

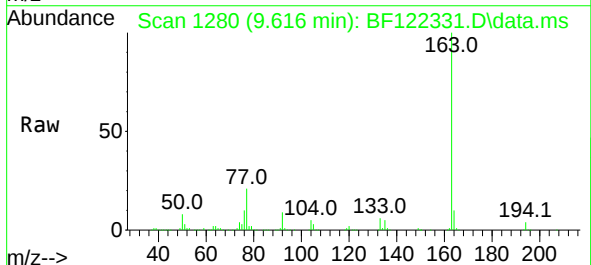
Instrument :
BNA_F
ClientSampled :
RBR-59



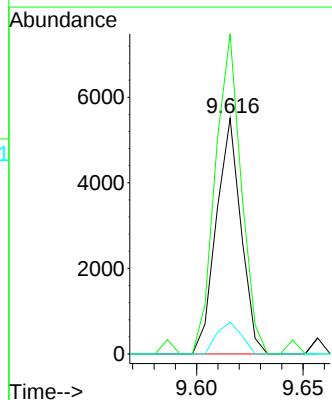
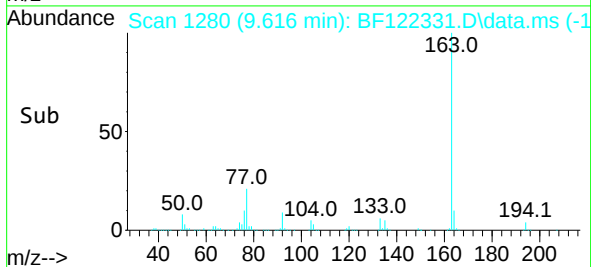
Tgt Ion:163 Resp: 389824
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.1 8.2 12.4

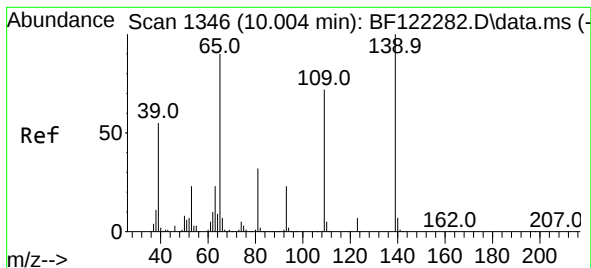


#51
2,6-Dinitrotoluene
Concen: 4.38 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.076 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10



Tgt Ion:165 Resp: 4449
Ion Ratio Lower Upper
165 100
63 135.7 51.8 77.6#
89 13.6 49.0 73.6#

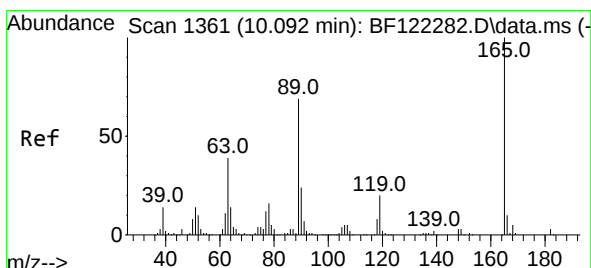
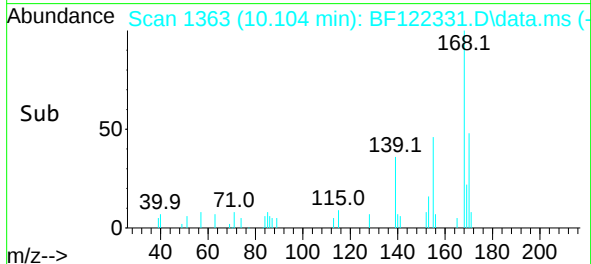
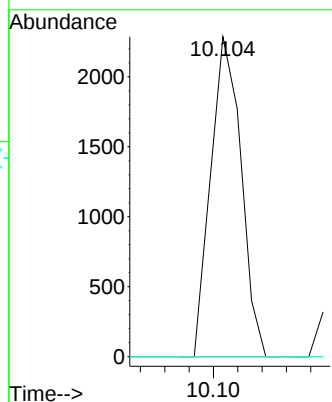
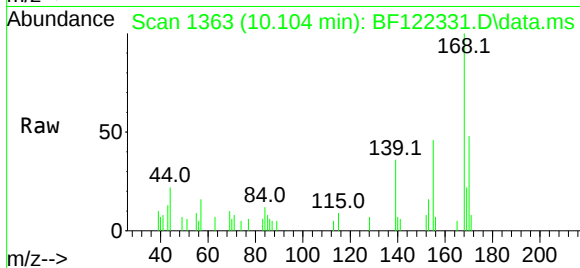




#56
4-Nitrophenol
Concen: 5.67 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.100 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

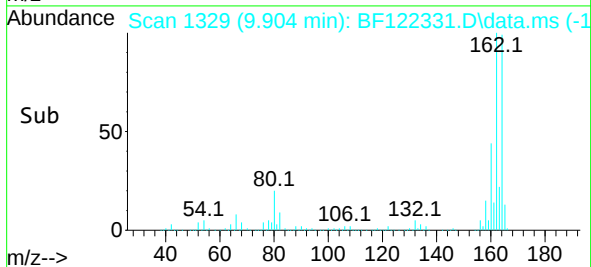
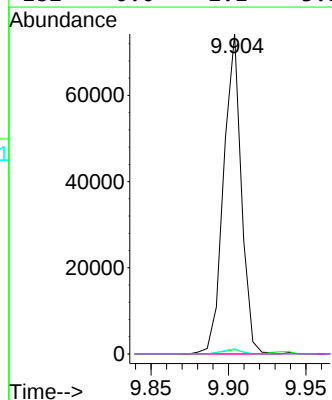
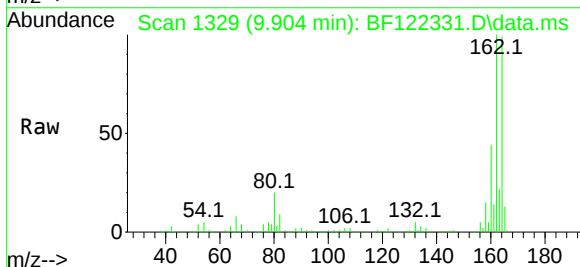
Instrument :
BNA_F
ClientSampleId :
RBR-59

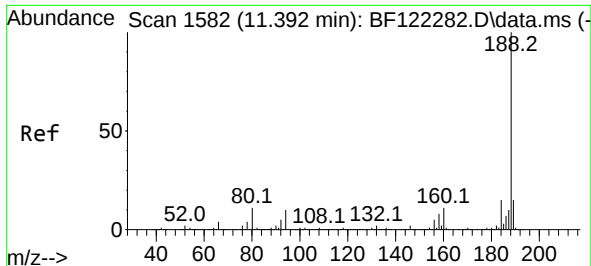
Tgt Ion:139 Resp: 1978
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 10.52 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

Tgt Ion:165 Resp: 58964
Ion Ratio Lower Upper
165 100
63 1.3 41.3 61.9#
89 1.7 61.8 92.8#
182 0.0 2.1 3.1#

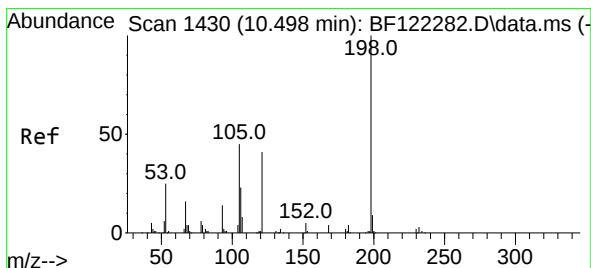
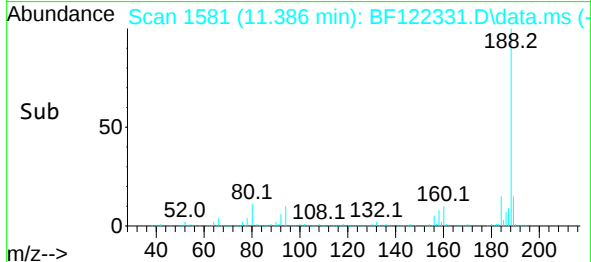
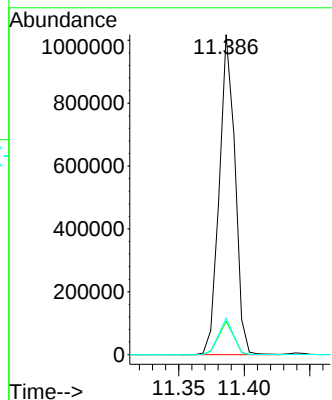
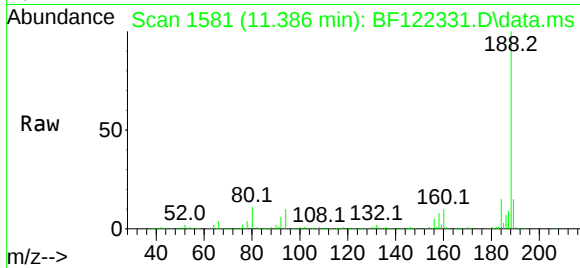




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

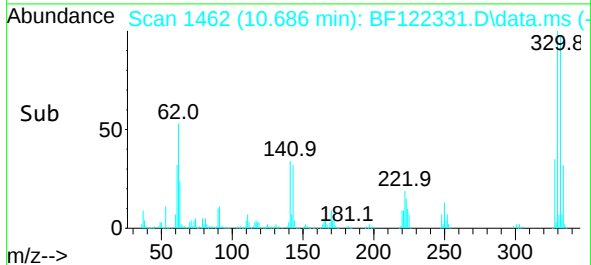
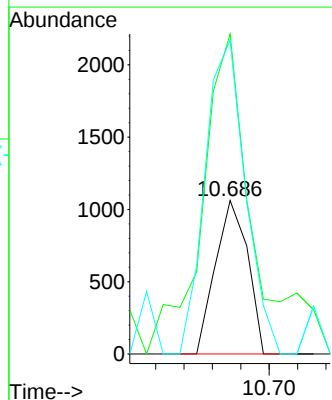
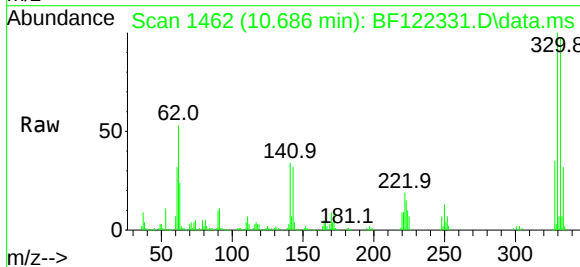
Instrument :
BNA_F
ClientSampleId :
RBR-59

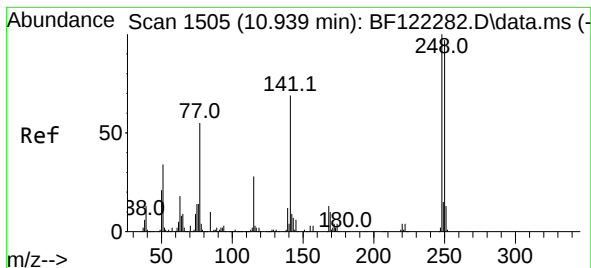
Tgt Ion:188 Resp: 848156
Ion Ratio Lower Upper
188 100
94 10.4 8.3 12.5
80 11.5 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 6.43 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.188 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

Tgt Ion:198 Resp: 836
Ion Ratio Lower Upper
198 100
51 208.5 29.6 69.6#
105 204.4 24.4 64.4#

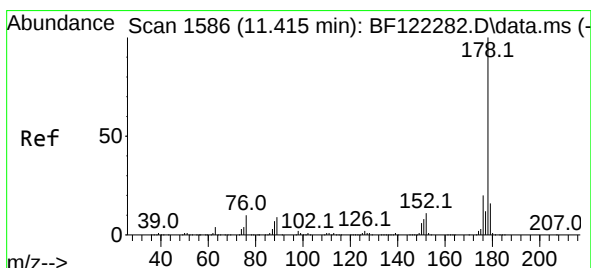
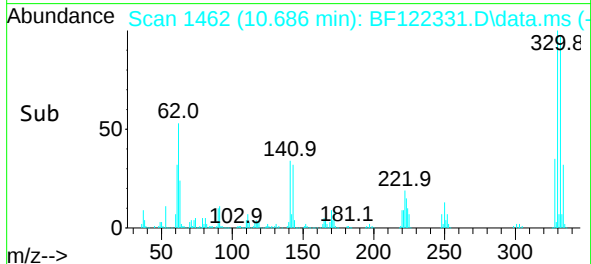
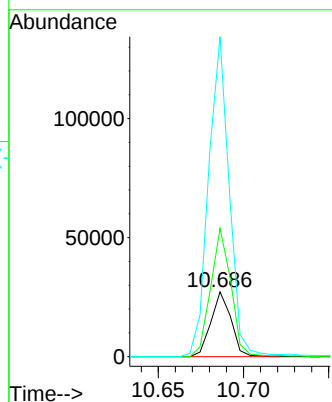
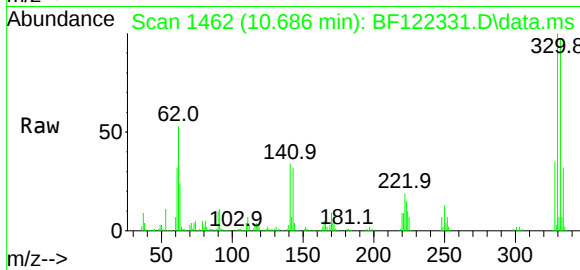




#67
4-Bromophenyl-phenylether
Concen: 2.24 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

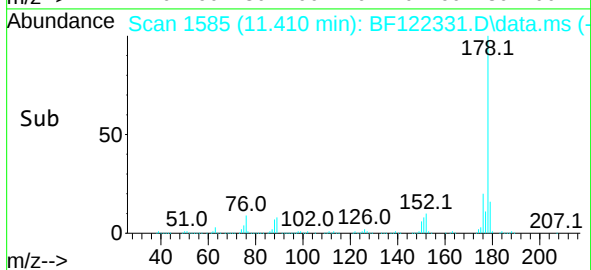
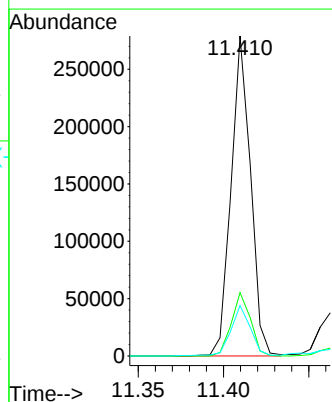
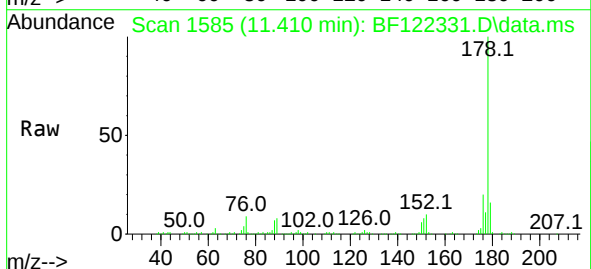
Instrument :
BNA_F
ClientSampleId :
RBR-59

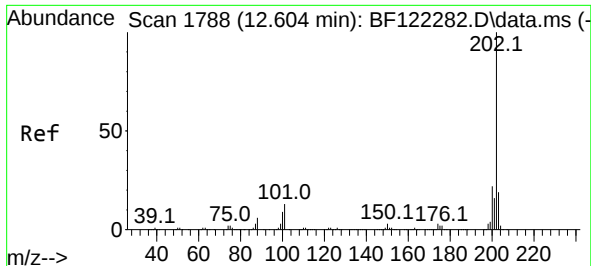
Tgt Ion:248 Resp: 22325
Ion Ratio Lower Upper
248 100
250 197.7 77.0 115.6#
141 493.4 53.7 80.5#



#71
Phenanthrene
Concen: 4.60 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

Tgt Ion:178 Resp: 221397
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.7 12.2 18.4

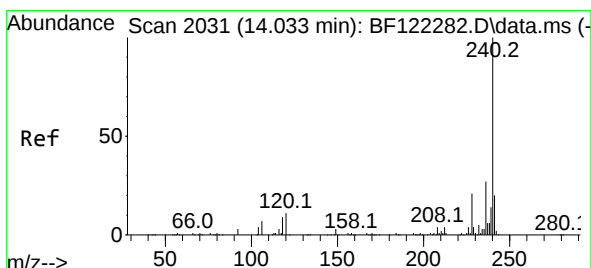
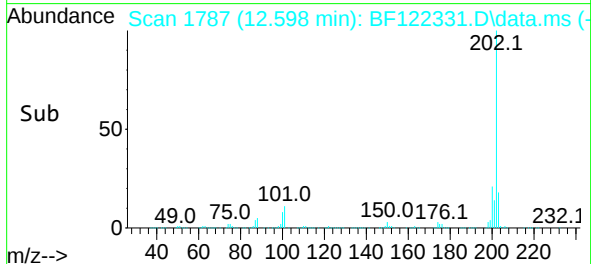
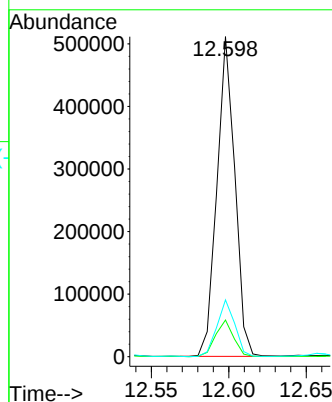
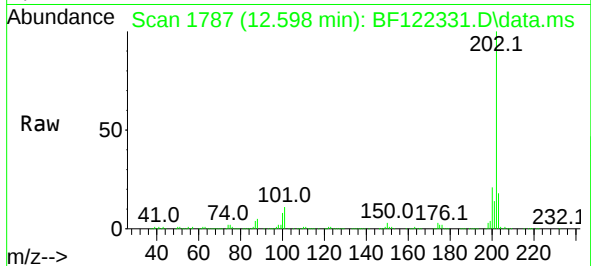




#75
Fluoranthene
Concen: 8.18 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

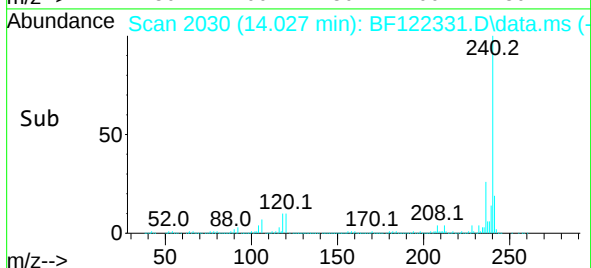
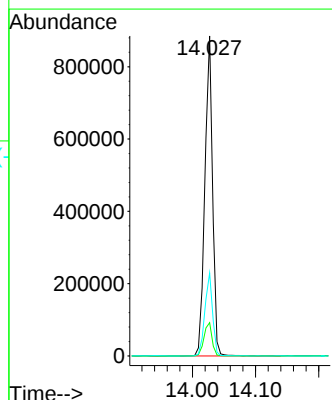
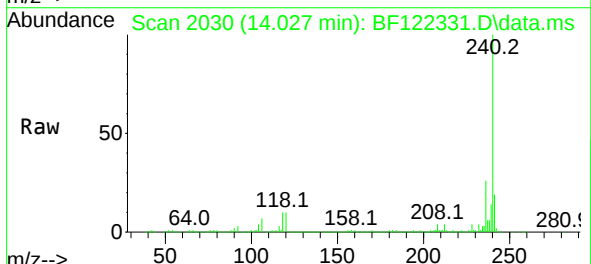
Instrument :
BNA_F
ClientSampleId :
RBR-59

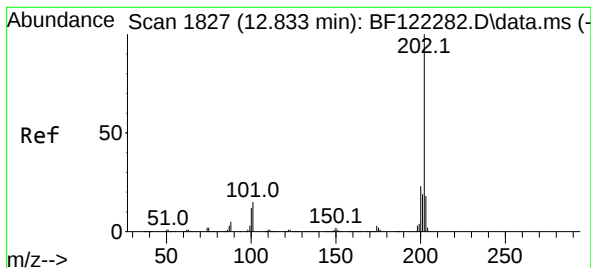
Tgt Ion:202 Resp: 410937
Ion Ratio Lower Upper
202 100
101 11.4 0.0 33.4
203 17.7 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

Tgt Ion:240 Resp: 751076
Ion Ratio Lower Upper
240 100
120 10.4 9.2 13.8
236 26.0 20.9 31.3





#78

Pyrene

Concen: 7.38 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF122331.D

Acq: 13 Nov 2020 16:10

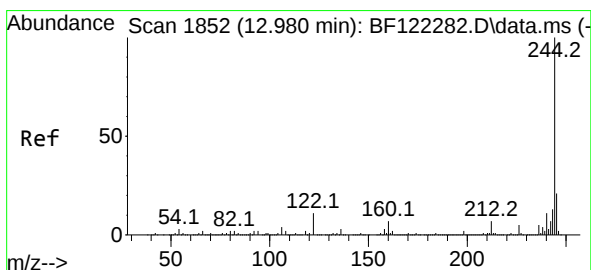
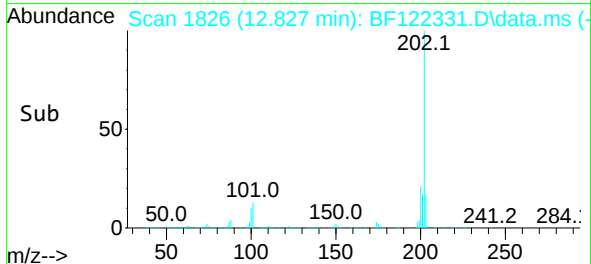
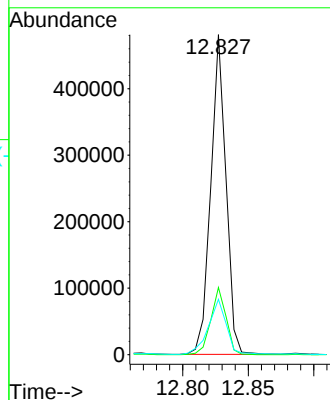
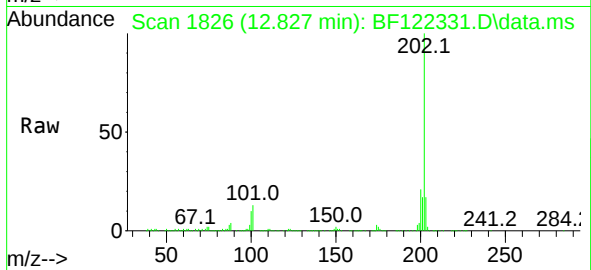
Tgt Ion:202 Resp: 389174

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

203 17.3 14.6 21.8



#79

Terphenyl-d14

Concen: 38.76 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF122331.D

Acq: 13 Nov 2020 16:10

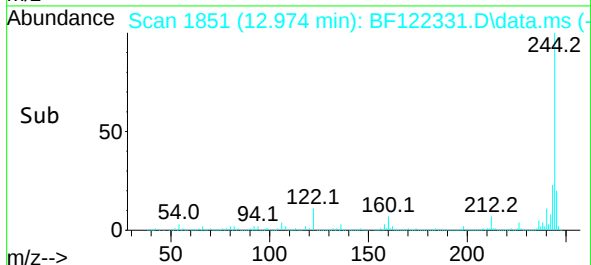
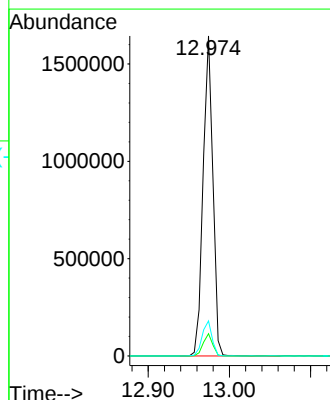
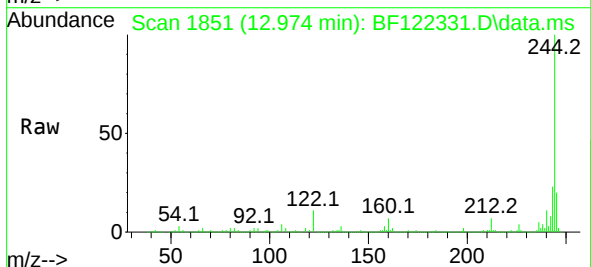
Tgt Ion:244 Resp: 1374335

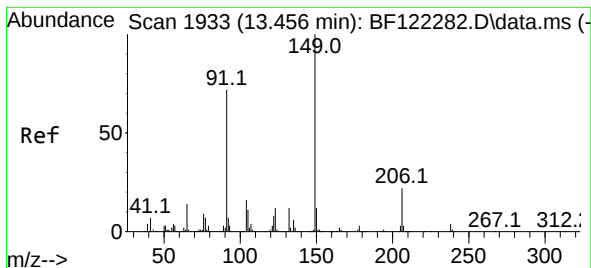
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 10.9 8.1 12.1

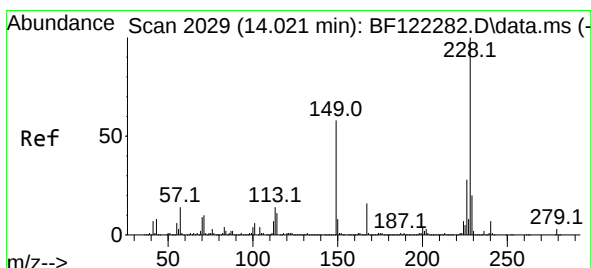
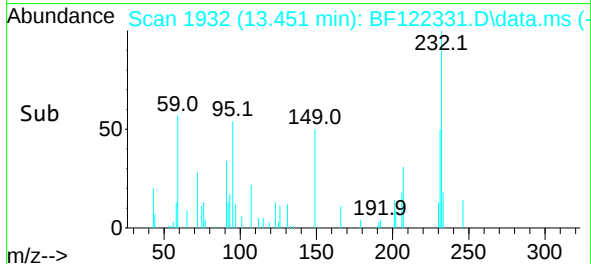
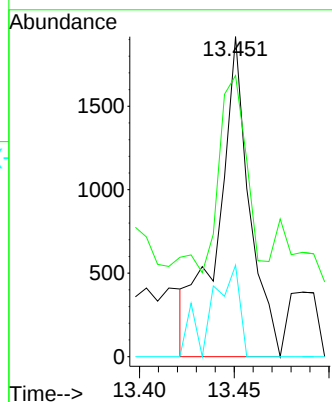
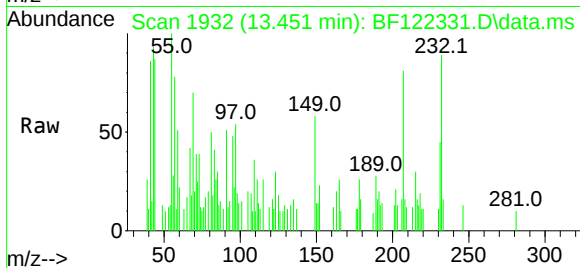




#80
Butylbenzylphthalate
Concen: 3.39 ng
RT: 13.451 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

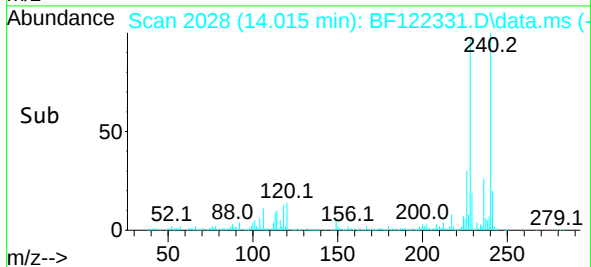
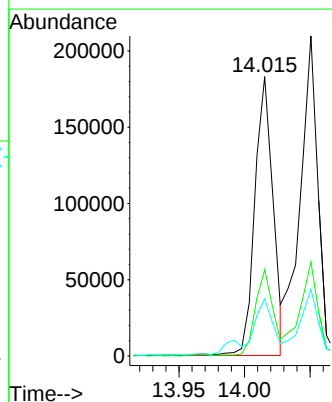
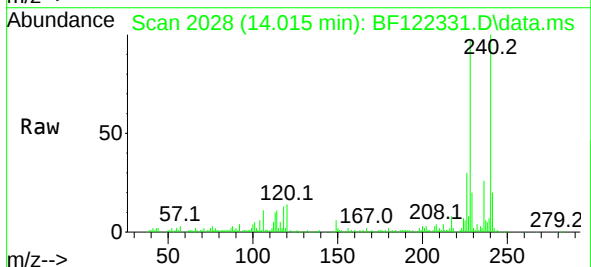
Instrument :
BNA_F
ClientSampleId :
RBR-59

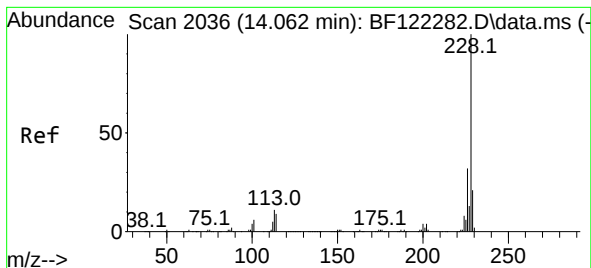
Tgt Ion:149 Resp: 2200
Ion Ratio Lower Upper
149 100
91 87.8 61.0 91.4
206 28.6 16.7 25.1#



#81
Benzo(a)anthracene
Concen: 3.79 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF122331.D
Acq: 13 Nov 2020 16:10

Tgt Ion:228 Resp: 176800
Ion Ratio Lower Upper
228 100
226 30.9 22.3 33.5
229 20.4 16.2 24.4





#83

Chrysene

Concen: 3.91 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BF122331.D

Acq: 13 Nov 2020 16:10

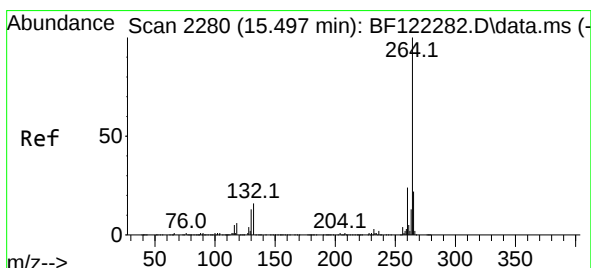
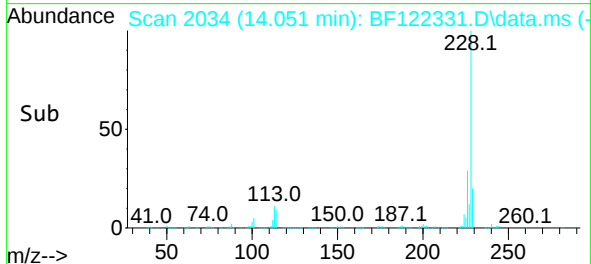
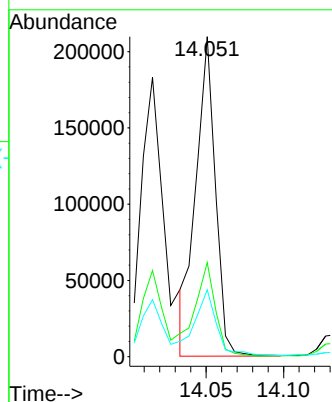
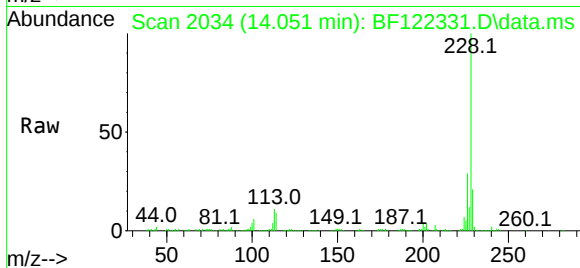
Tgt Ion:228 Resp: 183738

Ion Ratio Lower Upper

228 100

226 29.4 24.6 37.0

229 20.9 15.9 23.9



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.492 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF122331.D

Acq: 13 Nov 2020 16:10

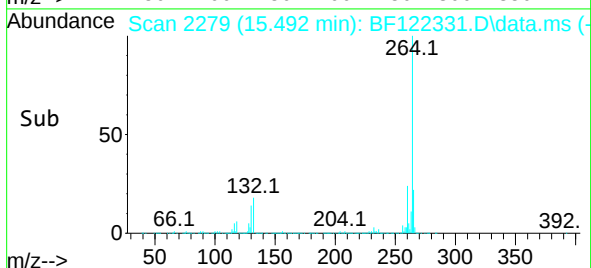
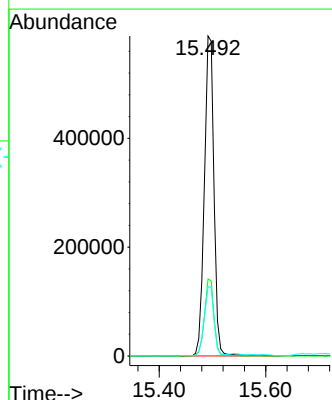
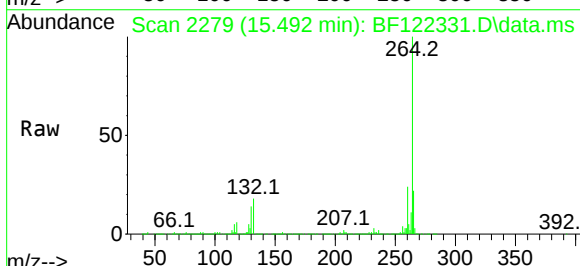
Tgt Ion:264 Resp: 733460

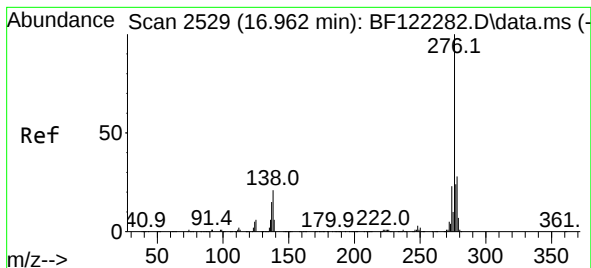
Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

265 21.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.32 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.017 min

Lab File: BF122331.D

Acq: 13 Nov 2020 16:10

Tgt Ion:276 Resp: 101967

Ion Ratio Lower Upper

276 100

138 21.1 19.9 29.9

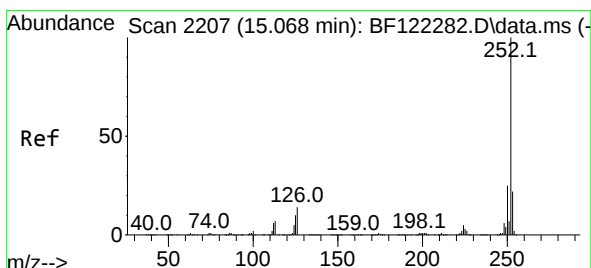
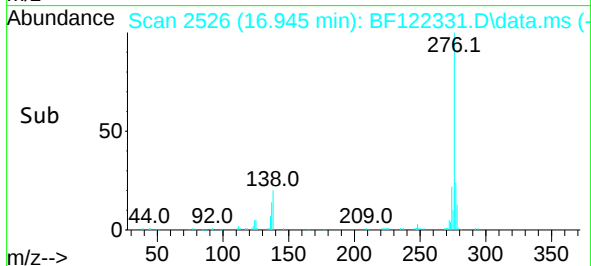
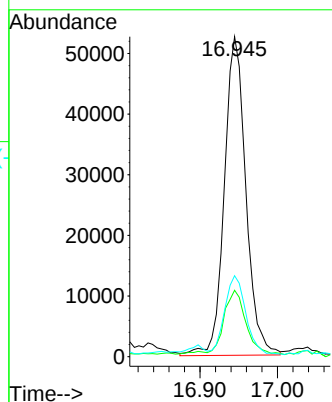
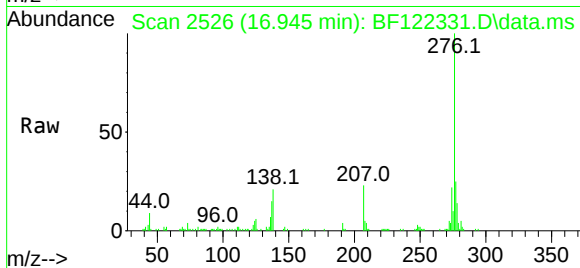
277 24.3 20.4 30.6

Instrument :

BNA_F

ClientSampleId :

RBR-59



#88

Benzo(b)fluoranthene

Concen: 6.36 ng

RT: 15.062 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF122331.D

Acq: 13 Nov 2020 16:10

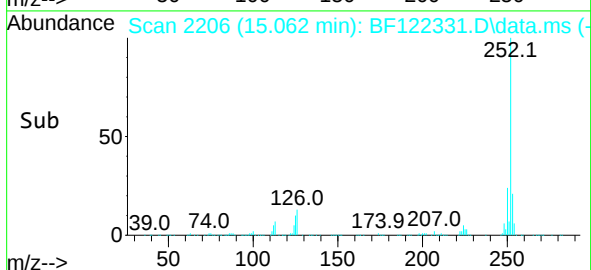
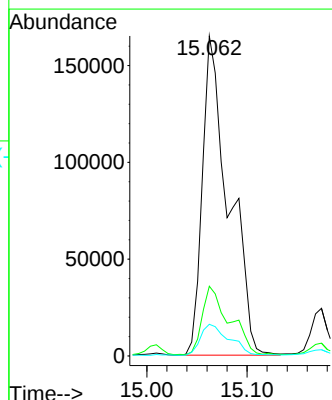
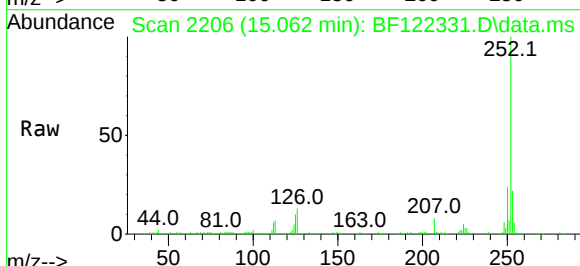
Tgt Ion:252 Resp: 301983

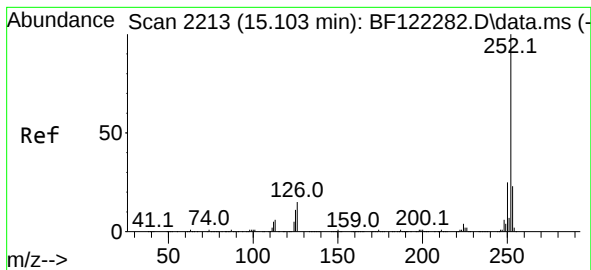
Ion Ratio Lower Upper

252 100

253 21.8 18.2 27.2

125 9.9 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 6.52 ng

RT: 15.062 min Scan# 2206

Delta R.T. -0.041 min

Lab File: BF122331.D

Acq: 13 Nov 2020 16:10

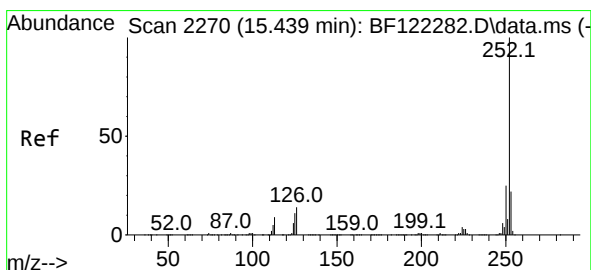
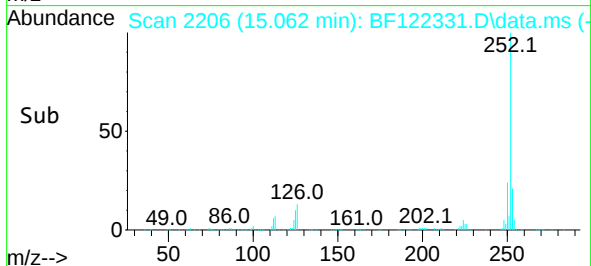
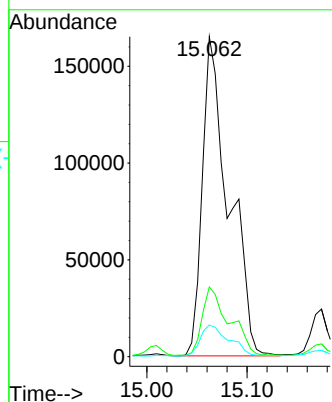
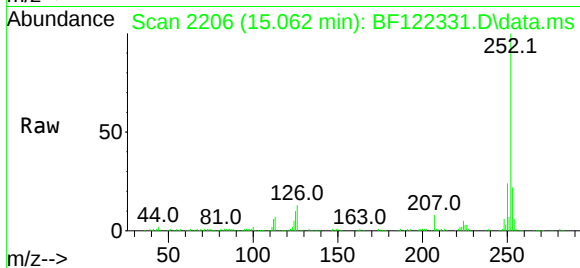
Tgt Ion:252 Resp: 301983

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 9.9 7.7 11.5



#90

Benzo(a)pyrene

Concen: 3.69 ng

RT: 15.427 min Scan# 2268

Delta R.T. -0.012 min

Lab File: BF122331.D

Acq: 13 Nov 2020 16:10

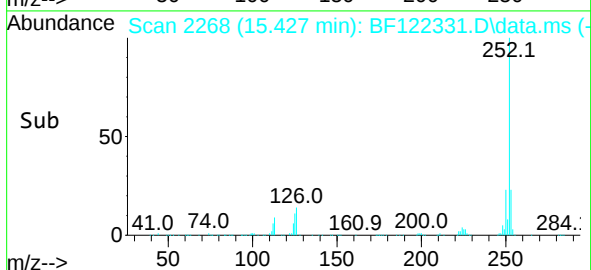
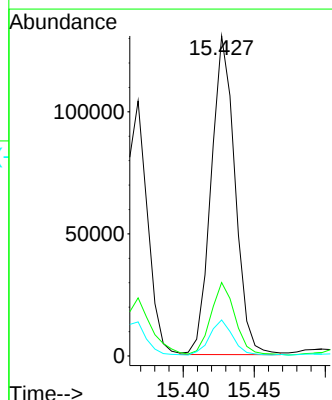
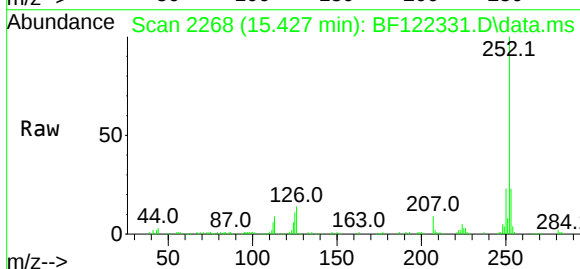
Tgt Ion:252 Resp: 152646

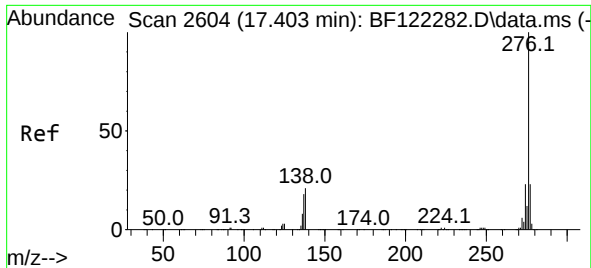
Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

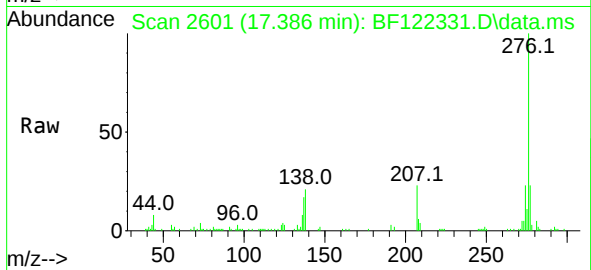
125 11.3 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 2.88 ng
 RT: 17.386 min Scan# 2601
 Delta R.T. -0.017 min
 Lab File: BF122331.D
 Acq: 13 Nov 2020 16:10

Instrument :
 BNA_F
 ClientSampleId :
 RBR-59



Tgt Ion:276 Resp: 103154
 Ion Ratio Lower Upper
 276 100
 277 23.3 19.4 29.2
 138 20.6 17.8 26.6

