

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
 Data File : BF122348.D
 Acq On : 17 Nov 2020 16:18
 Operator : JU/CG
 Sample : L4723-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-59

Quant Time: Nov 17 17:19:18 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)

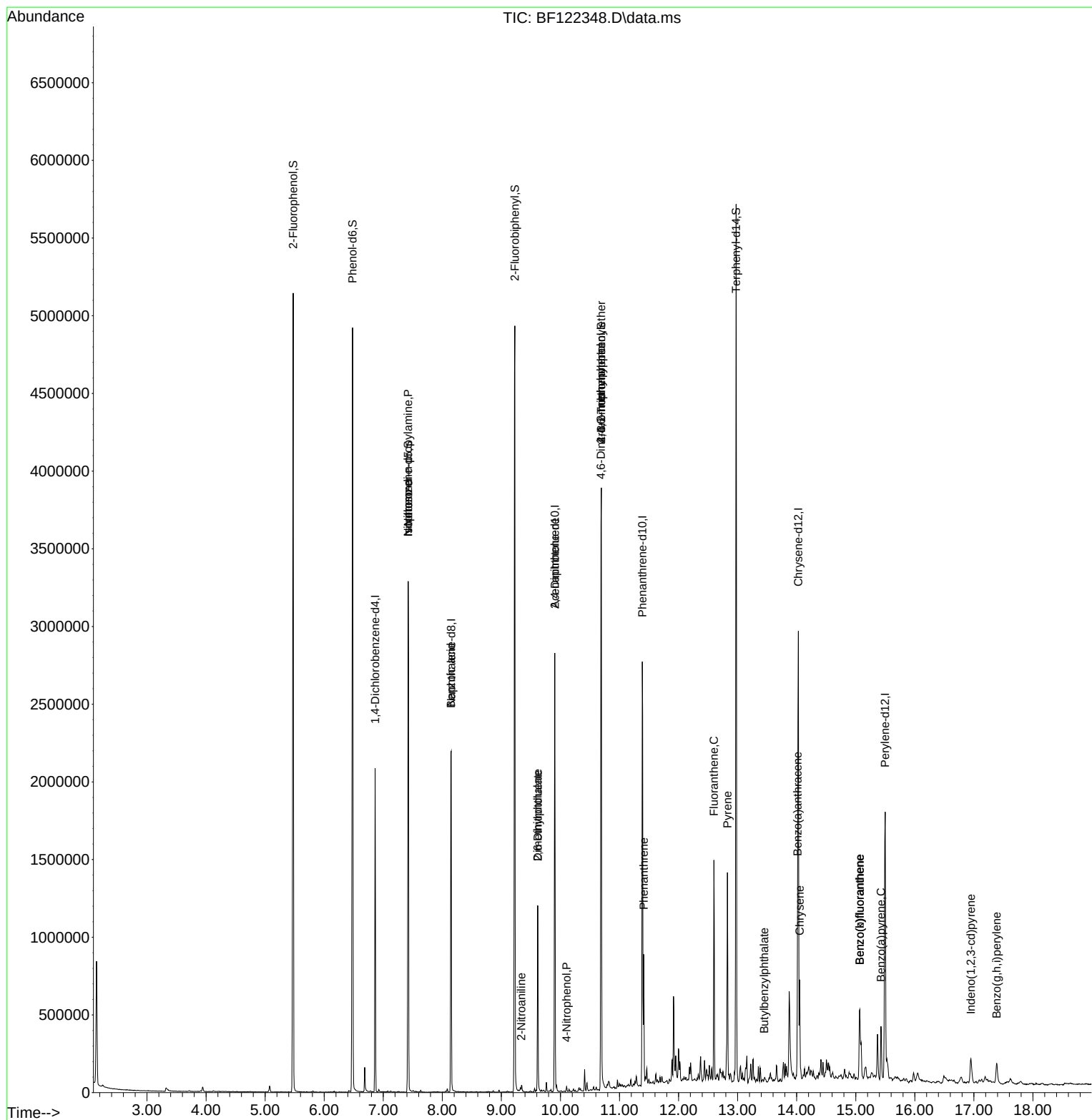
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	268464	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	1010735	20.00	ng	# 0.00
39) Acenaphthene-d10	9.904	164	534286	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	1018206	20.00	ng	0.00
76) Chrysene-d12	14.027	240	876278	20.00	ng	0.00
86) Perylene-d12	15.498	264	795177	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1379971	78.93	ng	0.00
7) Phenol-d6	6.481	99	1766057	77.21	ng	-0.01
23) Nitrobenzene-d5	7.422	82	1072511	64.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	513612	89.57	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1574156	46.03	ng	0.00
79) Terphenyl-d14	12.974	244	1645893	39.79	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	119	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.422	70	141954	10.39	ng	# 77
25) Isophorone	7.422	82	1055622	28.68	ng	# 67
32) Benzoic acid	8.145	122	108	7.97	ng	# 1
48) 2-Nitroaniline	9.339	65	539	5.22	ng	# 6
50) Dimethylphthalate	9.616	163	446348	11.75	ng	99
51) 2,6-Dinitrotoluene	9.616	165	5090	4.37	ng	# 15
56) 4-Nitrophenol	10.104	139	2373	5.67	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	68607	10.53	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.686	198	1089	6.46	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	33340	2.79	ng	# 1
71) Phenanthrene	11.410	178	275182	4.76	ng	99
75) Fluoranthene	12.598	202	517148	8.57	ng	99
78) Pyrene	12.827	202	490190	7.96	ng	98
80) Butylbenzylphthalate	13.451	149	3019	3.40	ng	# 96
81) Benzo(a)anthracene	14.015	228	203380	3.73	ng	97
83) Chrysene	14.051	228	219543	4.00	ng	97
87) Indeno(1,2,3-cd)pyrene	16.951	276	110478	2.32	ng	94
88) Benzo(b)fluoranthene	15.068	252	335964	6.52	ng	99
89) Benzo(k)fluoranthene	15.068	252	335964	6.69	ng	100
90) Benzo(a)pyrene	15.427	252	166072	3.70	ng	99
92) Benzo(g,h,i)perylene	17.386	276	110054	2.83	ng	97

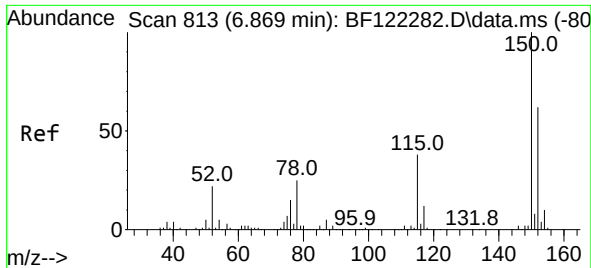
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 10 12:25:42 2020
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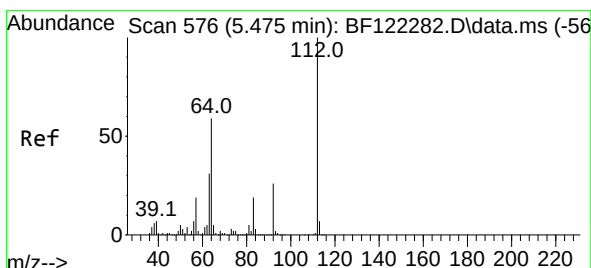
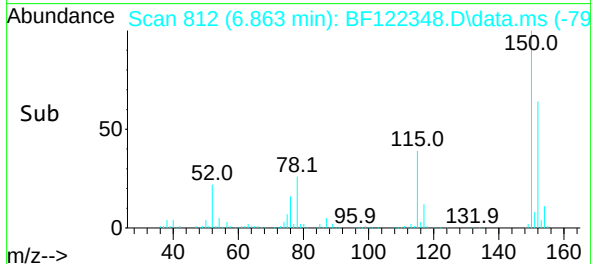
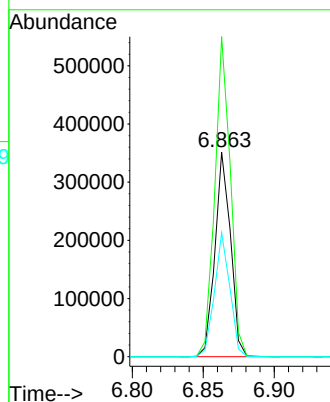
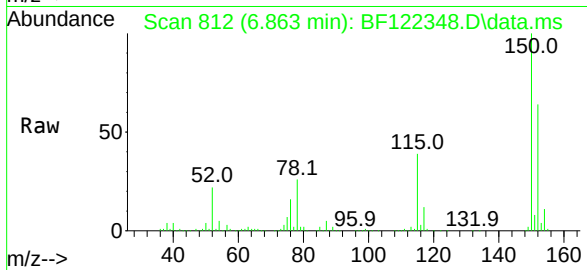




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

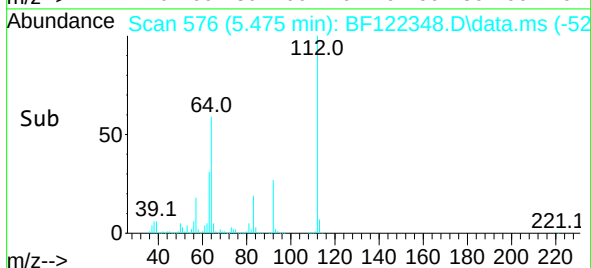
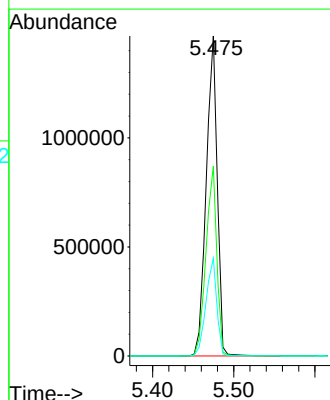
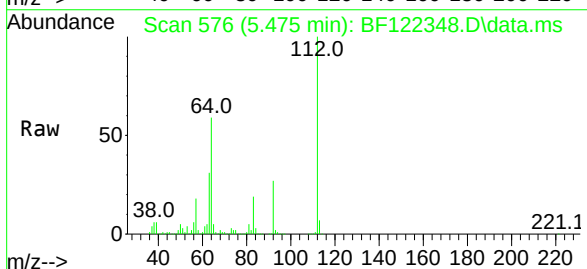
Instrument :
BNA_F
ClientSampleId :
RBR-59

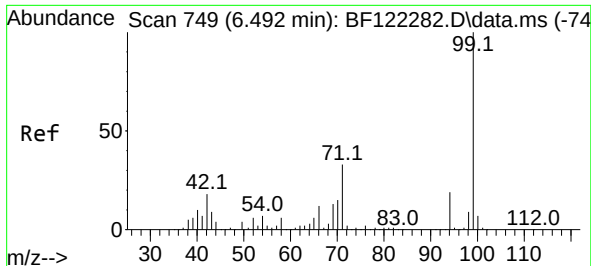
Tgt Ion:152 Resp: 268464
Ion Ratio Lower Upper
152 100
150 156.5 125.3 187.9
115 60.6 51.9 77.9



#5
2-Fluorophenol
Concen: 78.93 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion:112 Resp: 1379971
Ion Ratio Lower Upper
112 100
64 59.2 50.4 75.6
63 30.5 25.8 38.6



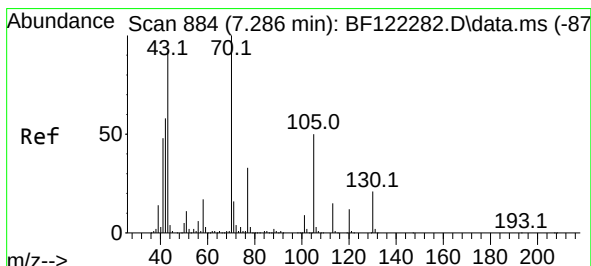
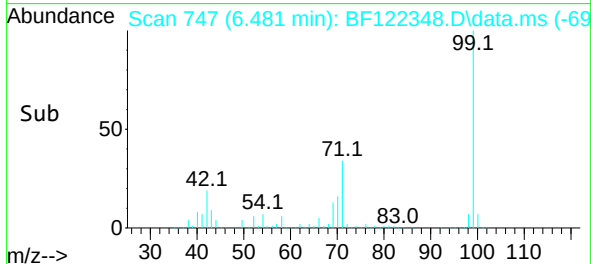
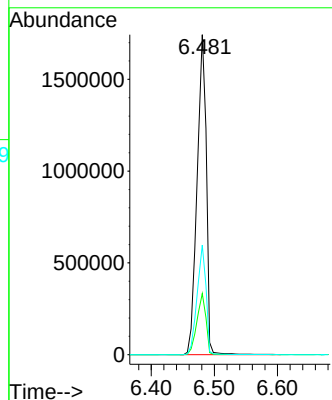
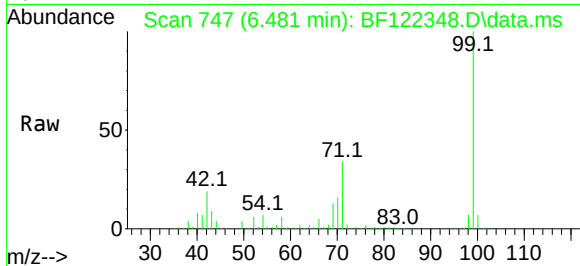


#7
Phenol-d6
Concen: 77.21 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Instrument :
BNA_F
ClientSampleId :
RBR-59

Tgt Ion: 99 Resp: 1766057

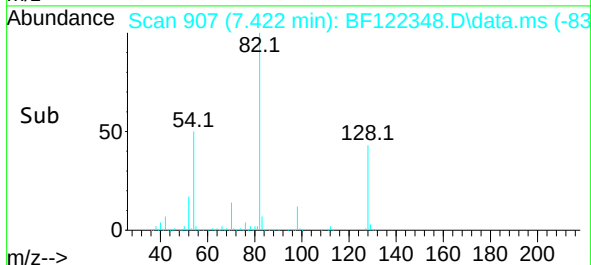
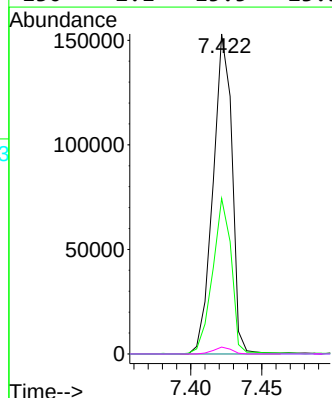
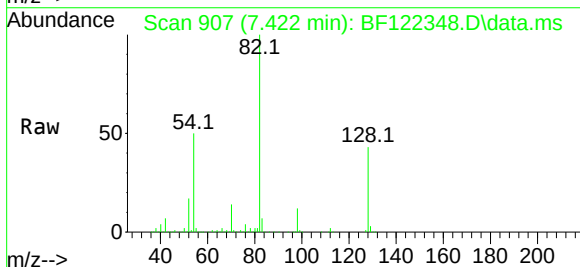
Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.9	23.9
71	34.3	27.1	40.7

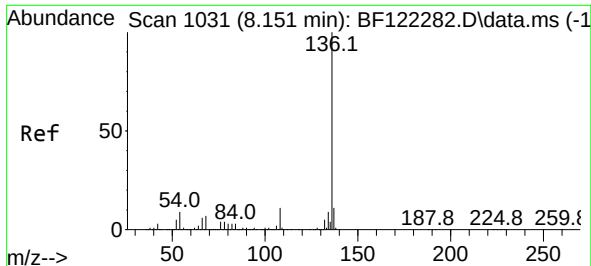


#19
n-Nitroso-di-n-propylamine
Concen: 10.39 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.136 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion: 70 Resp: 141954

Ion	Ratio	Lower	Upper
70	100		
42	48.6	50.2	75.4#
101	0.0	7.5	11.3#
130	2.1	15.5	23.3#



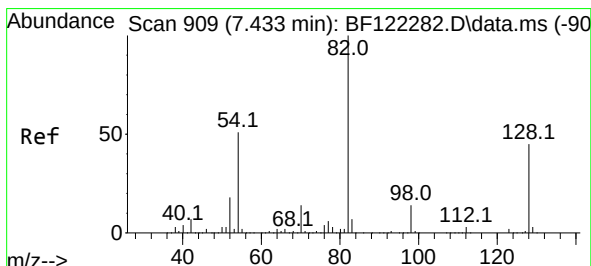
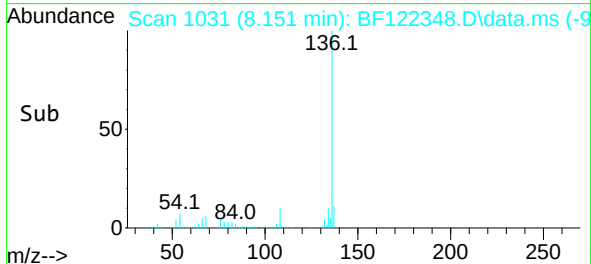
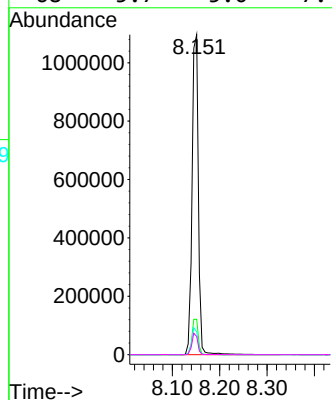
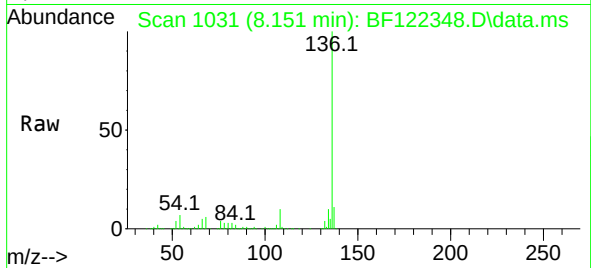


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Instrument :
BNA_F
ClientSampled :
RBR-59

Tgt Ion:136 Resp: 1010735

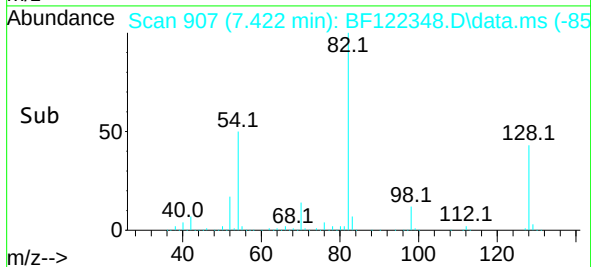
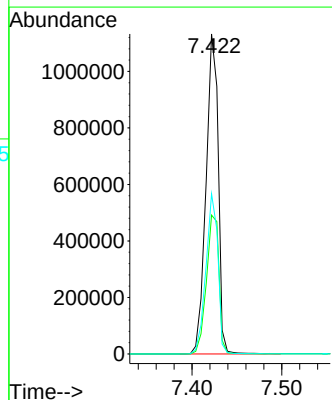
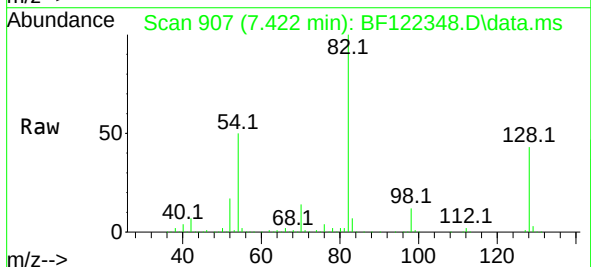
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.1	7.1	10.7#
68	5.7	5.0	7.4

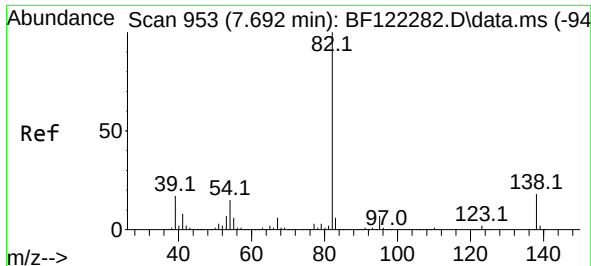


#23
Nitrobenzene-d5
Concen: 64.96 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion: 82 Resp: 1072511

Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.0	52.4
54	50.1	43.9	65.9

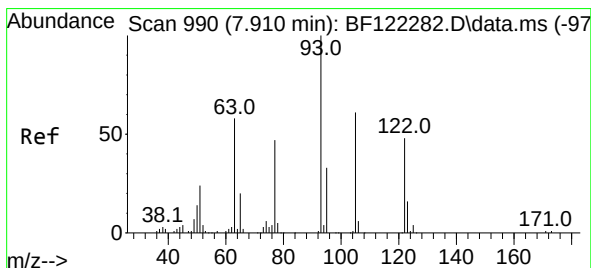
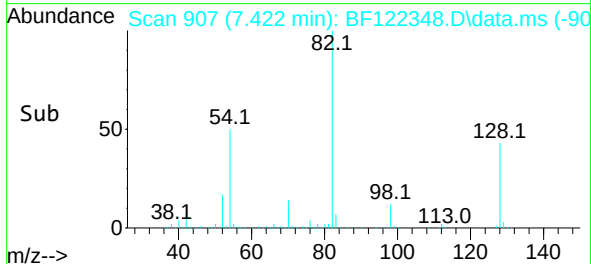
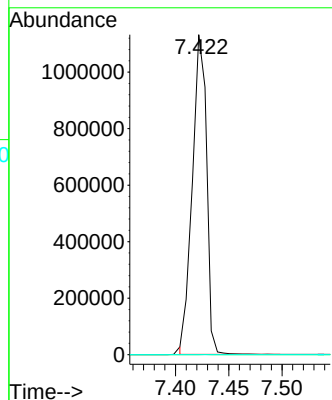
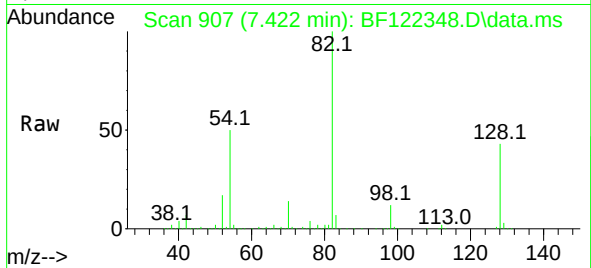




#25
Isophorone
Concen: 28.68 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.270 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

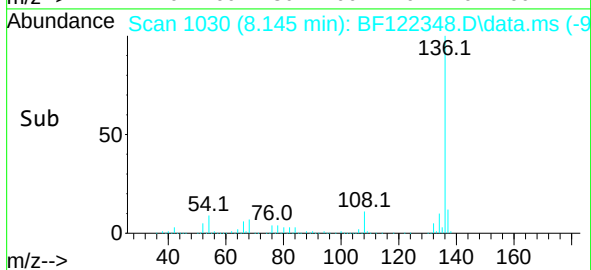
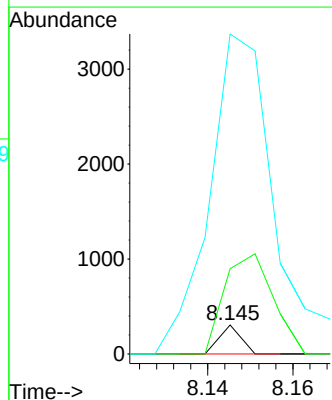
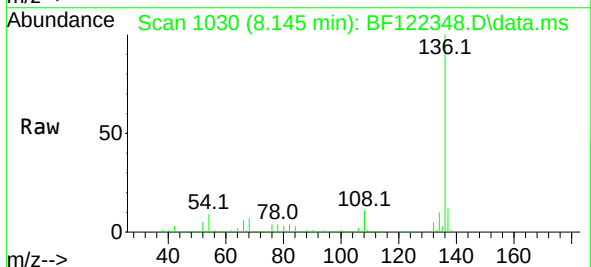
Instrument :
BNA_F
ClientSampleId :
RBR-59

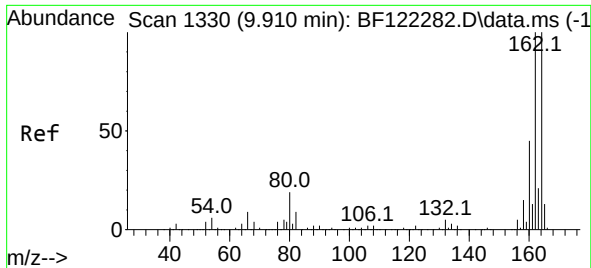
Tgt Ion: 82 Resp: 1055622
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 7.97 ng
RT: 8.145 min Scan# 1030
Delta R.T. 0.235 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion: 122 Resp: 108
Ion Ratio Lower Upper
122 100
105 294.4 103.3 143.3#
77 1105.2 73.9 113.9#

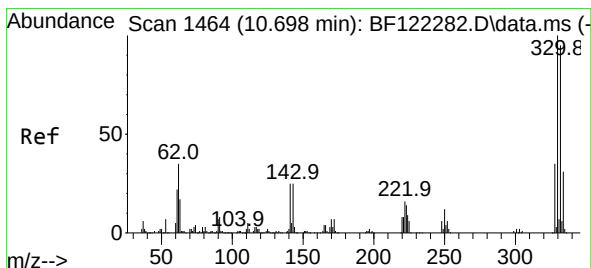
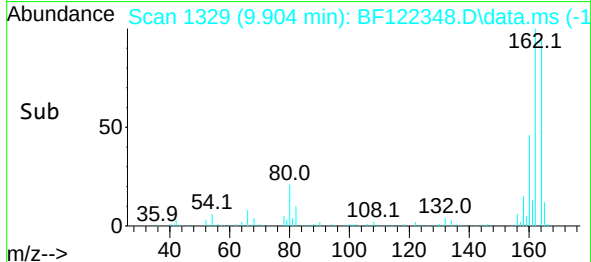
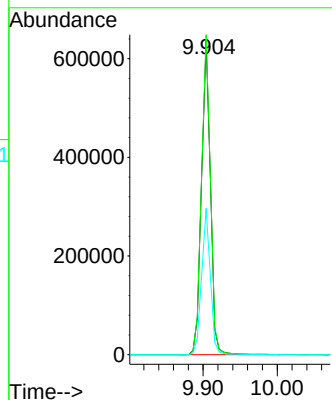
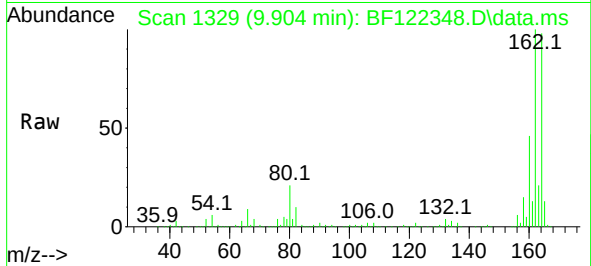




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

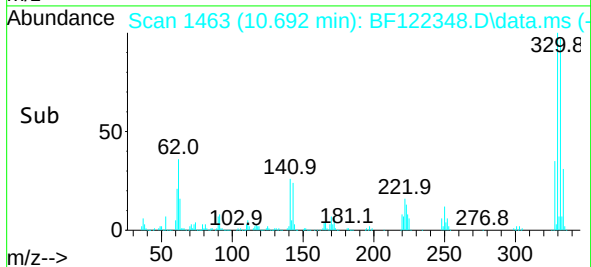
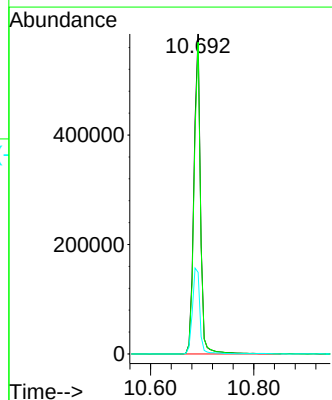
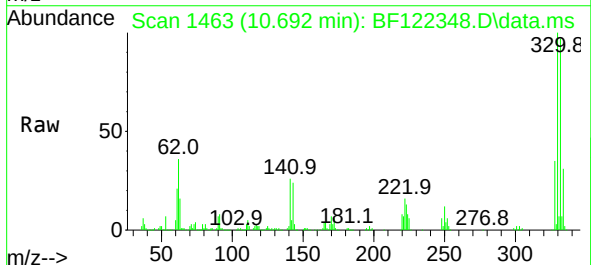
Instrument :
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ClientSampleId :
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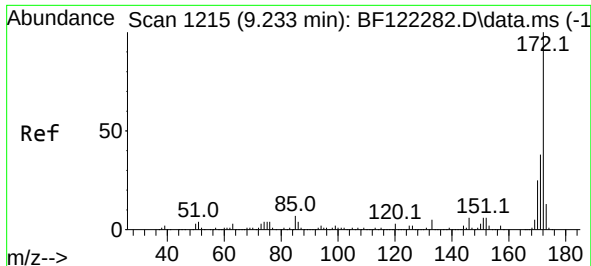
Tgt Ion:164	Resp: 534286		
Ion	Ratio	Lower	Upper
164	100		
162	101.9	83.2	124.8
160	46.6	37.5	56.3



#42
2,4,6-Tribromophenol
Concen: 89.57 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion:330	Resp: 513612		
Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	30.7	22.3	33.5

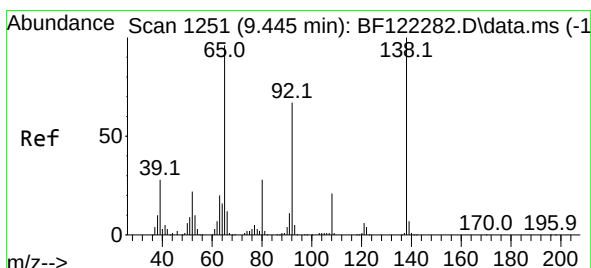
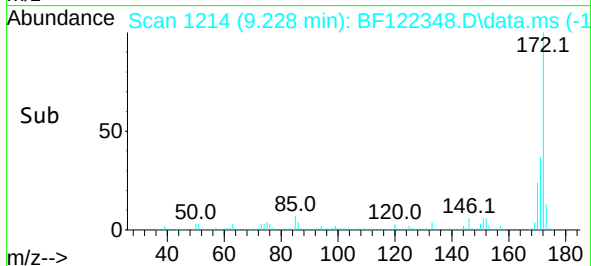
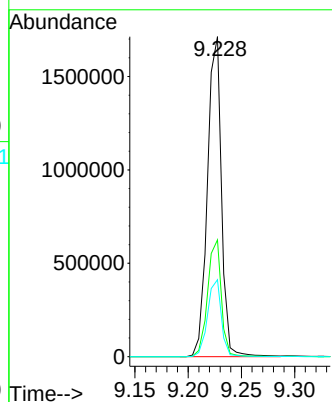
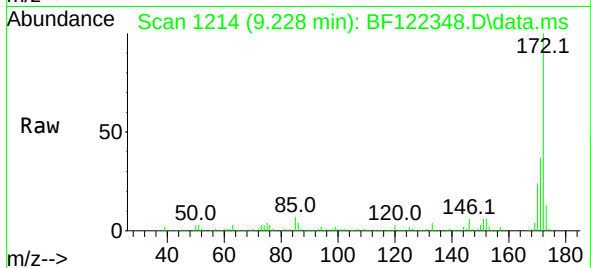




#45
2-Fluorobiphenyl
Concen: 46.03 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

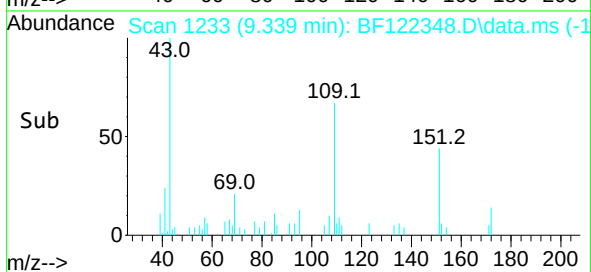
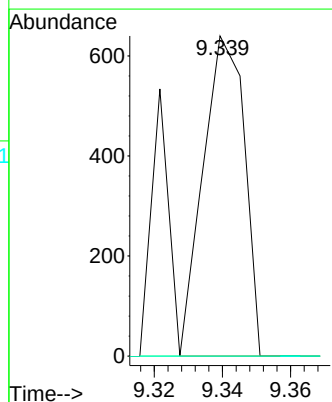
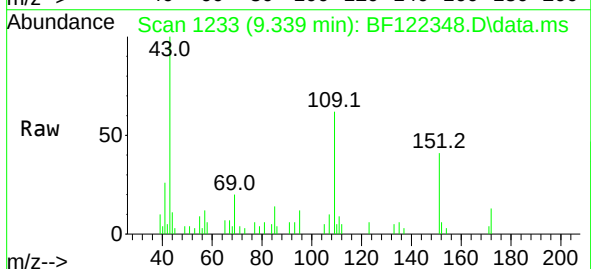
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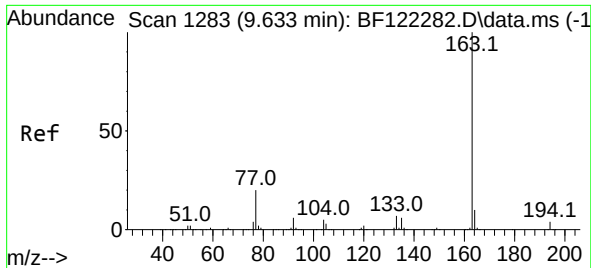
Tgt Ion:172 Resp: 1574156
Ion Ratio Lower Upper
172 100
171 36.5 29.1 43.7
170 24.0 19.8 29.6



#48
2-Nitroaniline
Concen: 5.22 ng
RT: 9.339 min Scan# 1233
Delta R.T. -0.106 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion: 65 Resp: 539
Ion Ratio Lower Upper
65 100
92 0.0 55.1 82.7#
138 0.0 80.5 120.7#

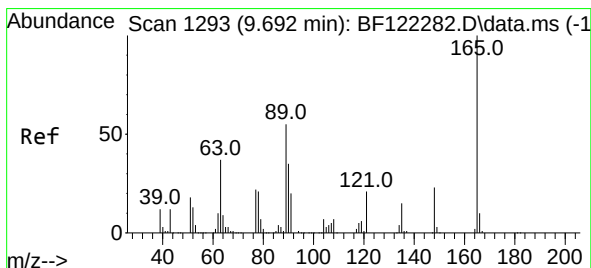
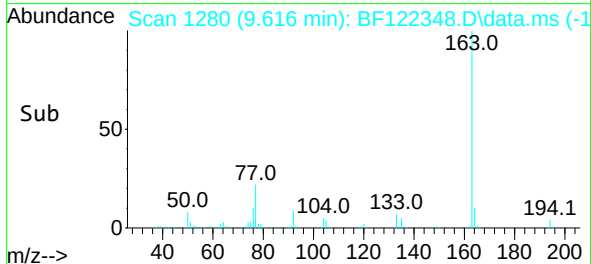
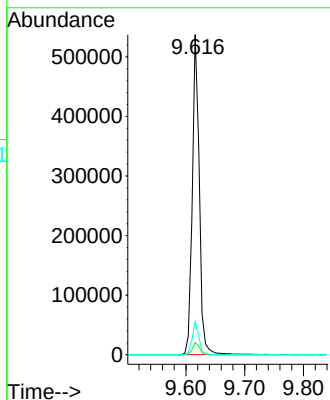
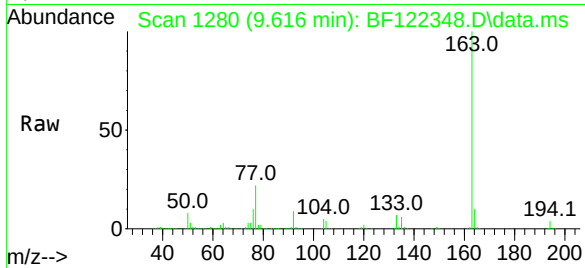




#50
Dimethylphthalate
Concen: 11.75 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

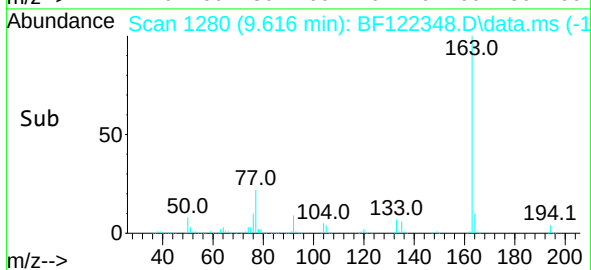
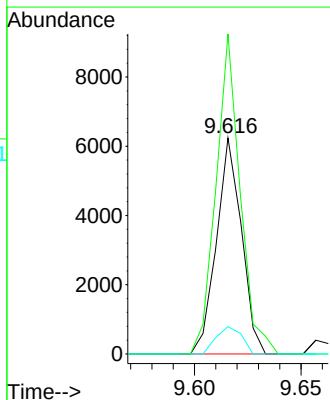
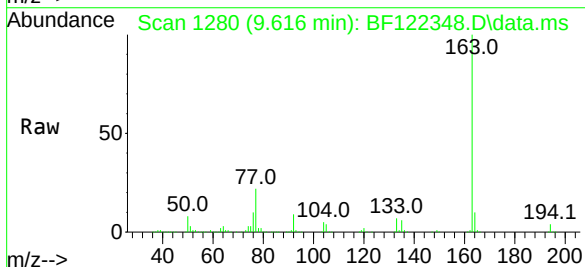
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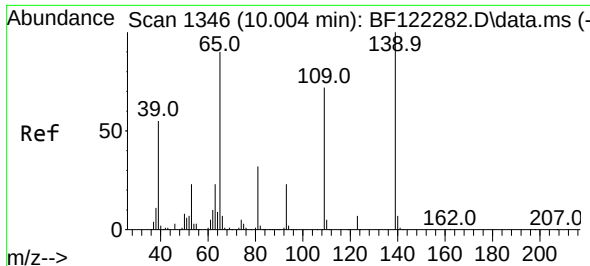
Tgt Ion:163 Resp: 446348
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.4 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 4.37 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.076 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion:165 Resp: 5090
Ion Ratio Lower Upper
165 100
63 148.1 51.8 77.6#
89 12.7 49.0 73.6#

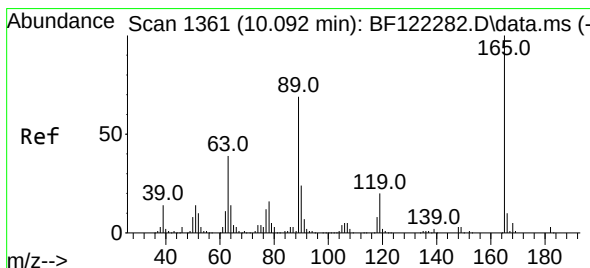
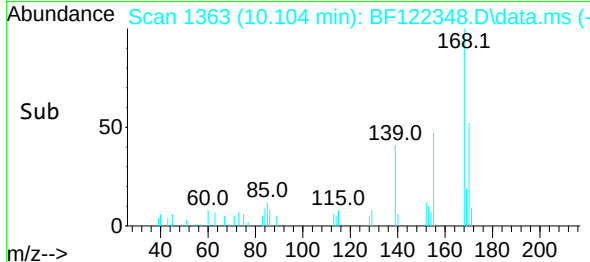
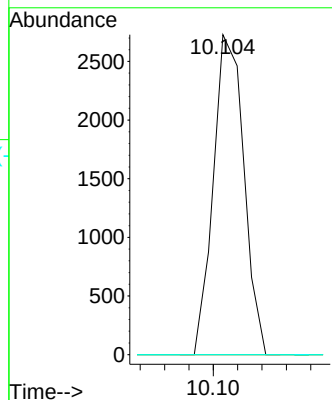
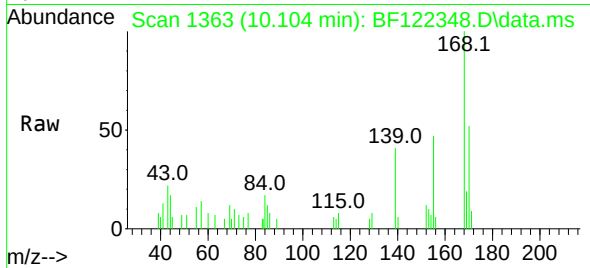




#56
4-Nitrophenol
Concen: 5.67 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.100 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

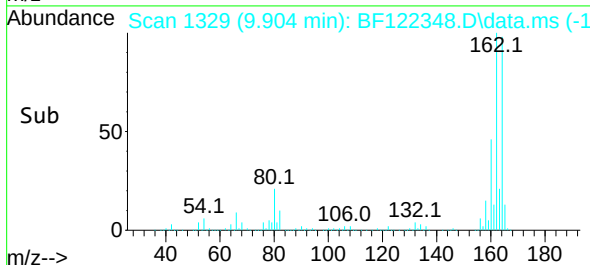
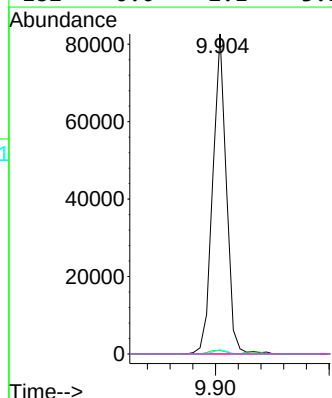
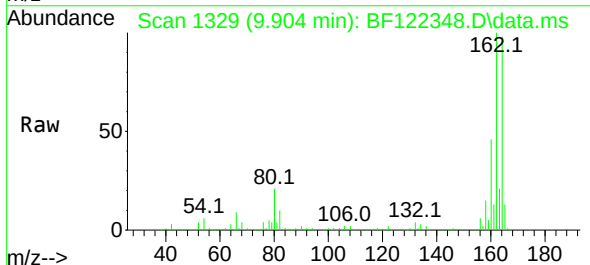
Instrument :
BNA_F
ClientSampleId :
RBR-59

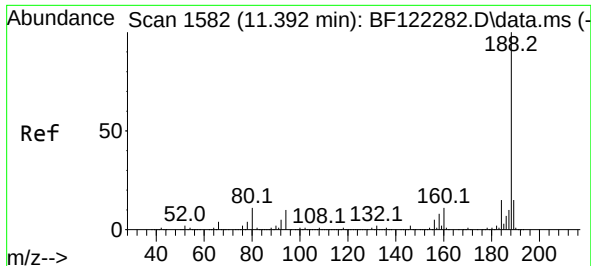
Tgt Ion:139 Resp: 2373
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 10.53 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion:165 Resp: 68607
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#

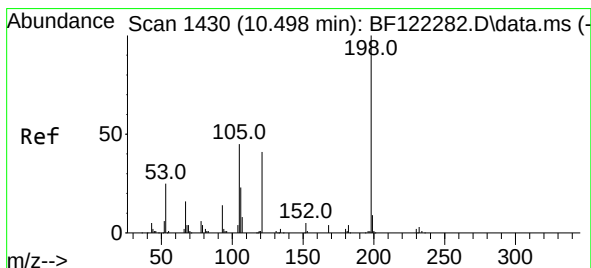
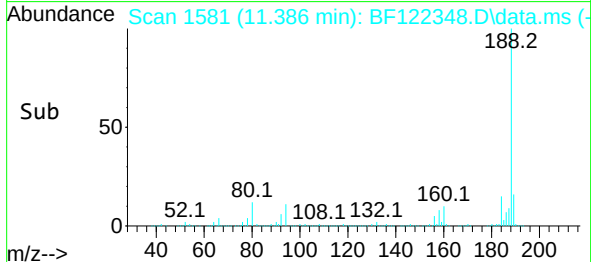
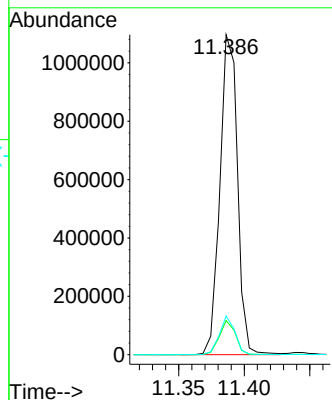
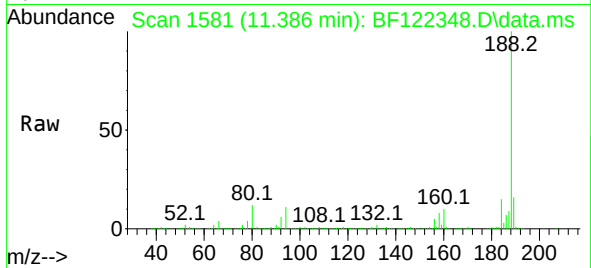




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

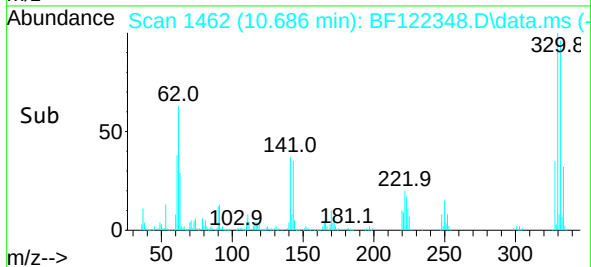
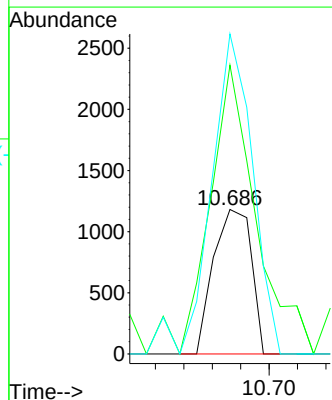
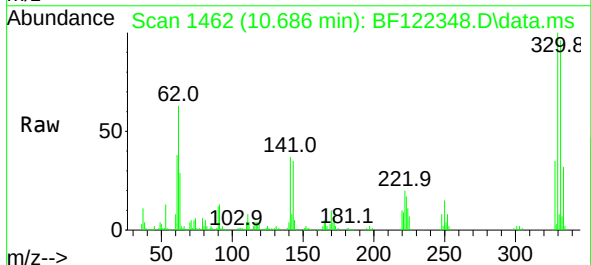
Instrument :
BNA_F
ClientSampleId :
RBR-59

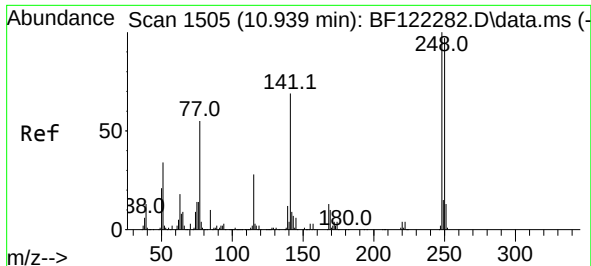
Tgt Ion:188 Resp: 1018206
Ion Ratio Lower Upper
188 100
94 10.7 8.3 12.5
80 12.1 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 6.46 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.188 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion:198 Resp: 1089
Ion Ratio Lower Upper
198 100
51 200.0 29.6 69.6#
105 221.6 24.4 64.4#

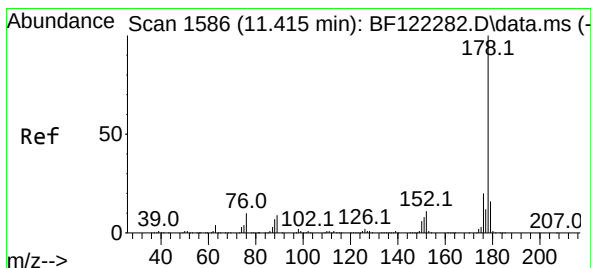
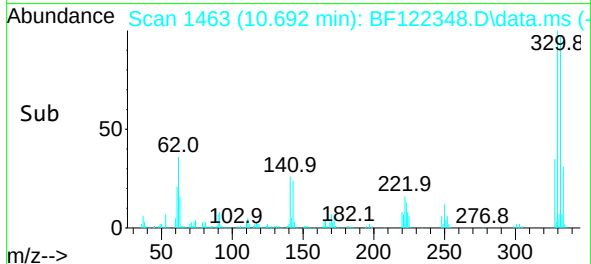
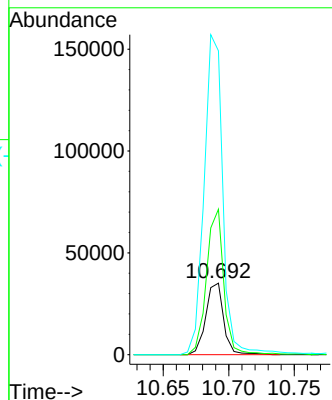
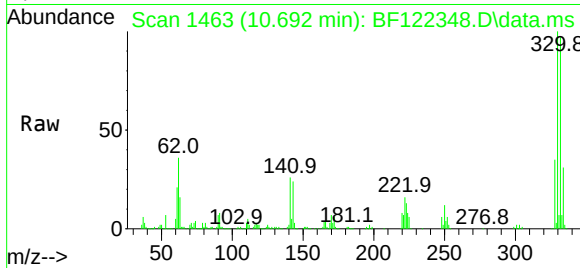




#67
4-Bromophenyl-phenylether
Concen: 2.79 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

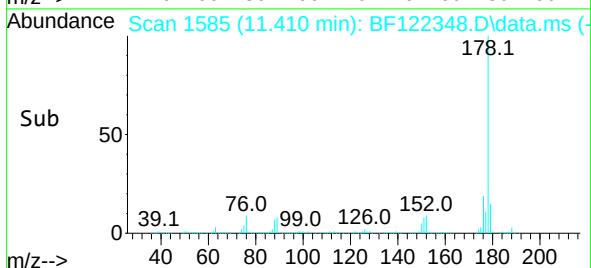
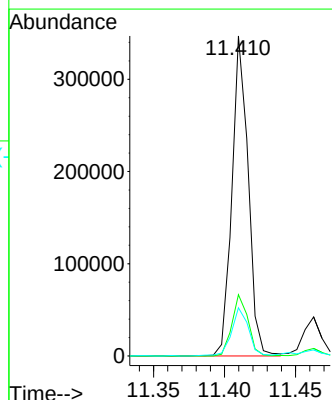
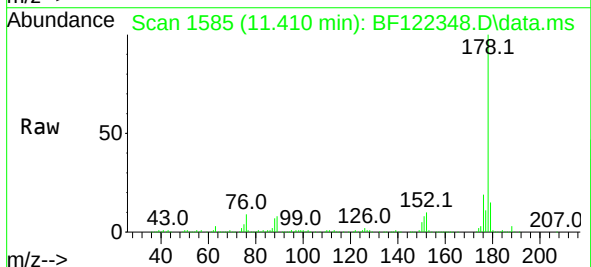
Instrument :
BNA_F
ClientSampled :
RBR-59

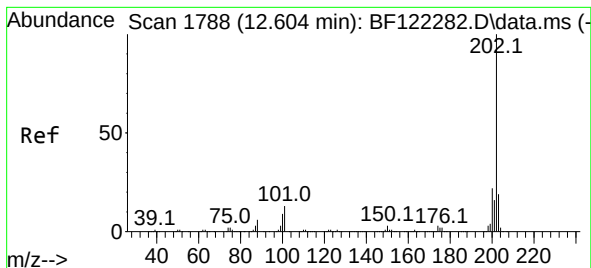
Tgt Ion:248 Resp: 33340
Ion Ratio Lower Upper
248 100
250 203.3 77.0 115.6#
141 424.4 53.7 80.5#



#71
Phenanthrene
Concen: 4.76 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion:178 Resp: 275182
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.1 12.2 18.4

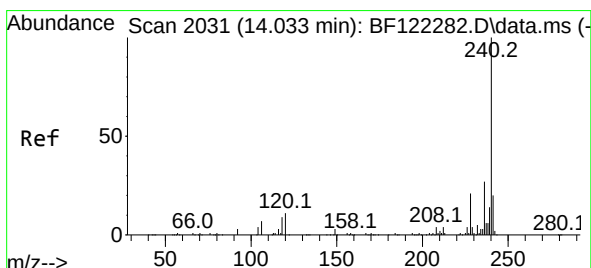
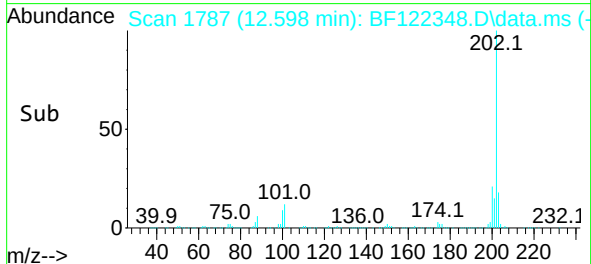
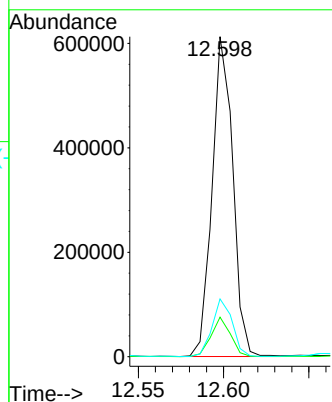
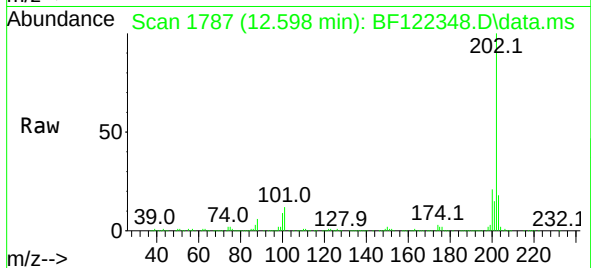




#75
Fluoranthene
Concen: 8.57 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

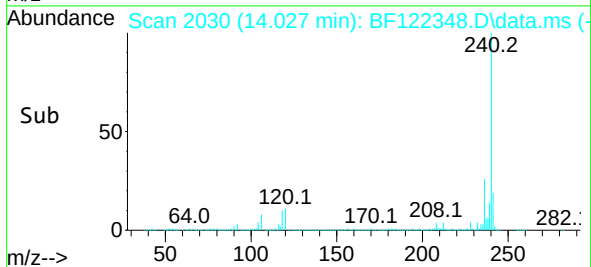
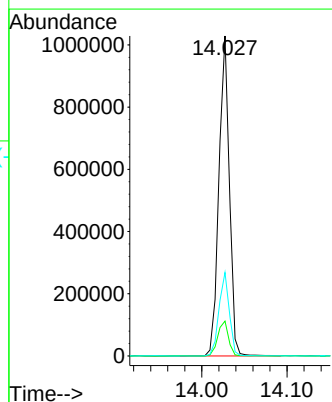
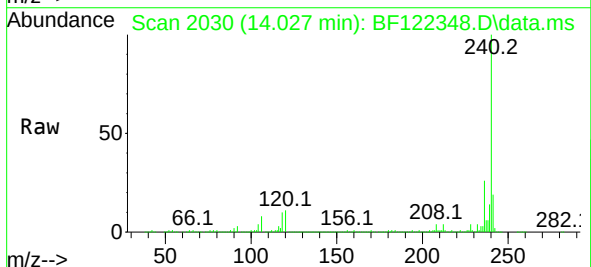
Instrument :
BNA_F
ClientSampleId :
RBR-59

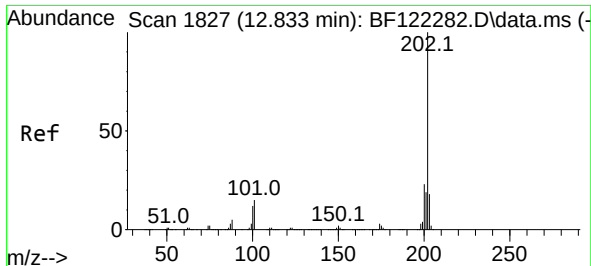
Tgt Ion:202 Resp: 517148
Ion Ratio Lower Upper
202 100
101 12.4 0.0 33.4
203 18.0 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion:240 Resp: 876278
Ion Ratio Lower Upper
240 100
120 10.9 9.2 13.8
236 26.1 20.9 31.3

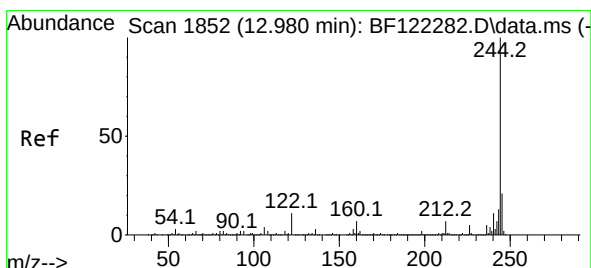
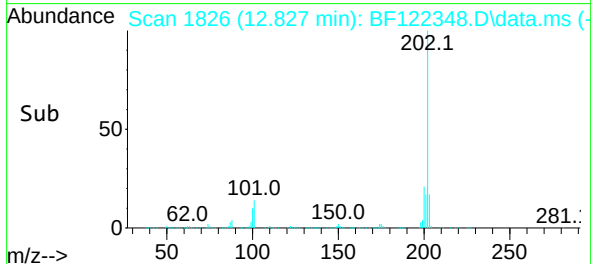
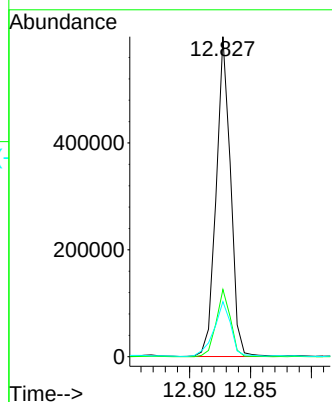
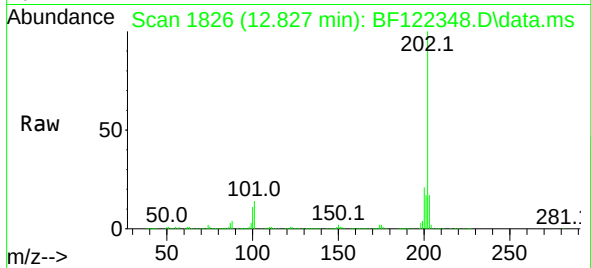




#78
Pyrene
Concen: 7.96 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

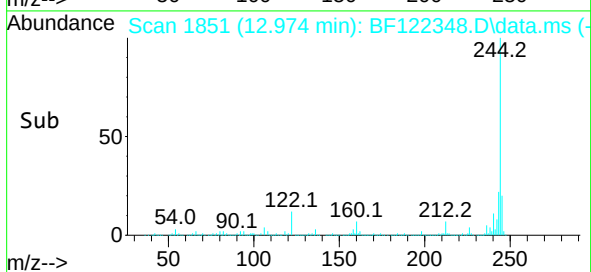
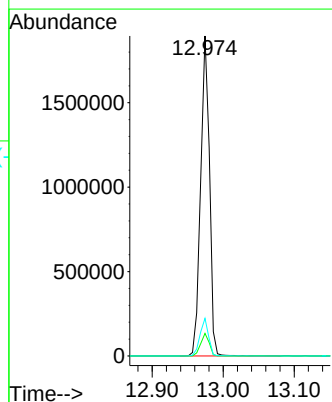
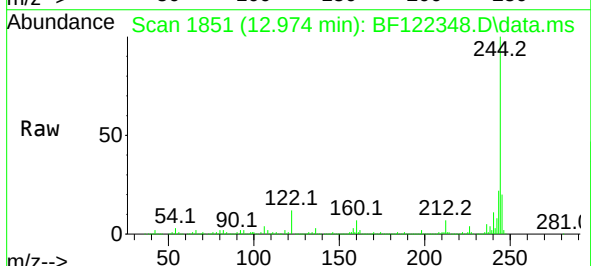
Instrument :
BNA_F
ClientSampled :
RBR-59

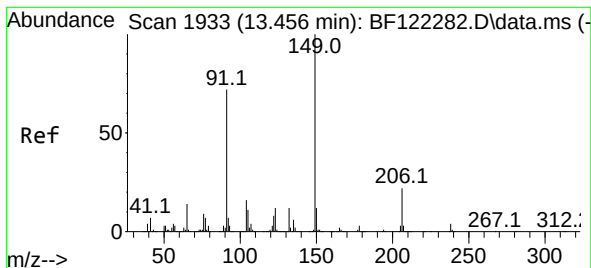
Tgt Ion:202 Resp: 490190
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.2 14.6 21.8



#79
Terphenyl-d14
Concen: 39.79 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion:244 Resp: 1645893
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 11.8 8.1 12.1

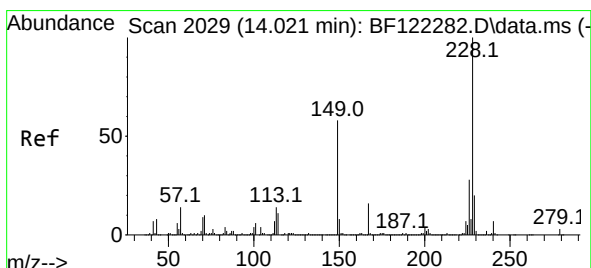
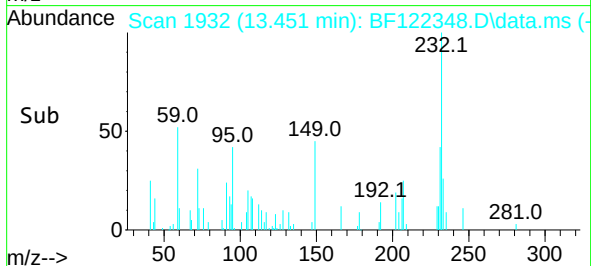
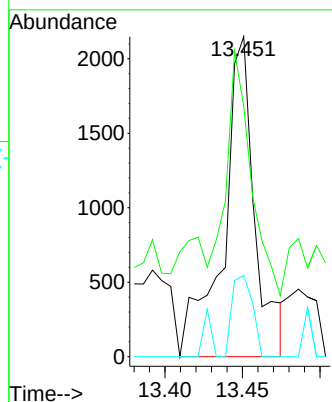
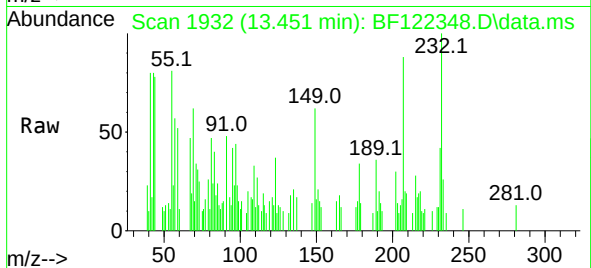




#80
Butylbenzylphthalate
Concen: 3.40 ng
RT: 13.451 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

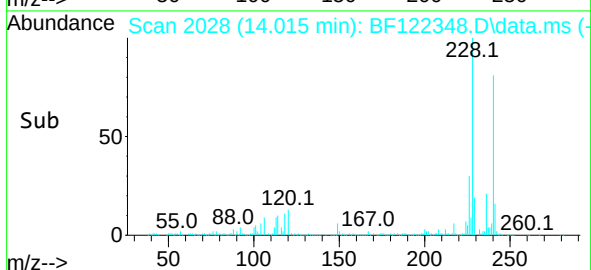
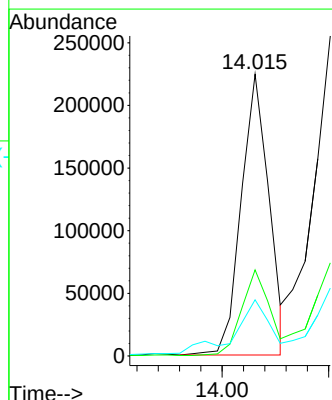
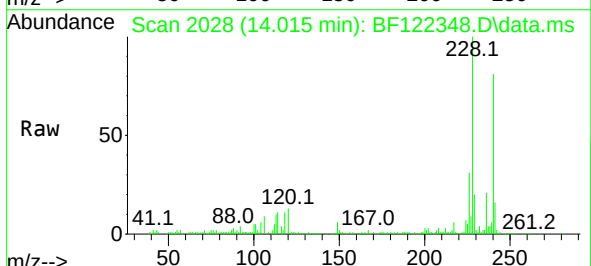
Instrument :
BNA_F
ClientSampled :
RBR-59

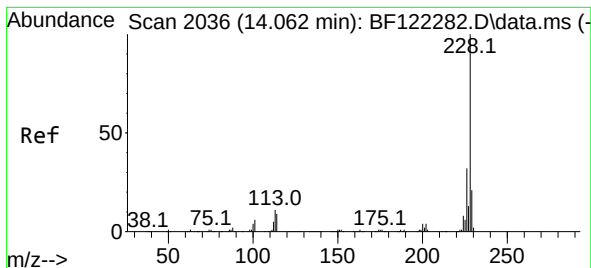
Tgt Ion:149 Resp: 3019
Ion Ratio Lower Upper
149 100
91 78.2 61.0 91.4
206 25.4 16.7 25.1#



#81
Benzo(a)anthracene
Concen: 3.73 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion:228 Resp: 203380
Ion Ratio Lower Upper
228 100
226 30.6 22.3 33.5
229 19.9 16.2 24.4





#83

Chrysene

Concen: 4.00 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BF122348.D

Acq: 17 Nov 2020 16:18

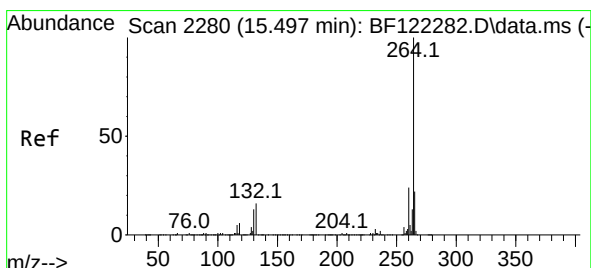
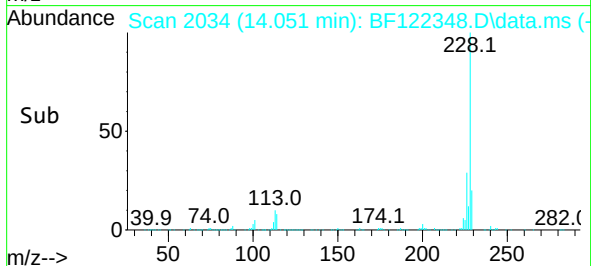
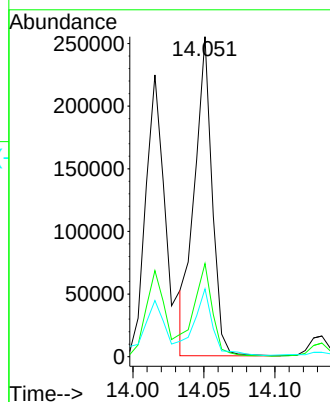
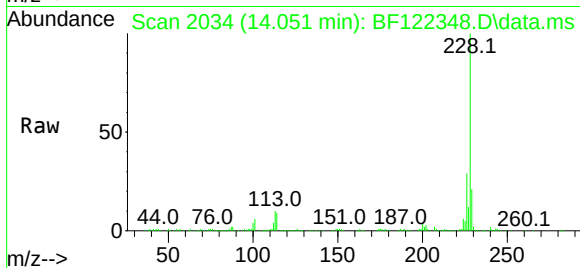
Tgt Ion:228 Resp: 219543

Ion Ratio Lower Upper

228 100

226 29.1 24.6 37.0

229 21.2 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: BF122348.D

Acq: 17 Nov 2020 16:18

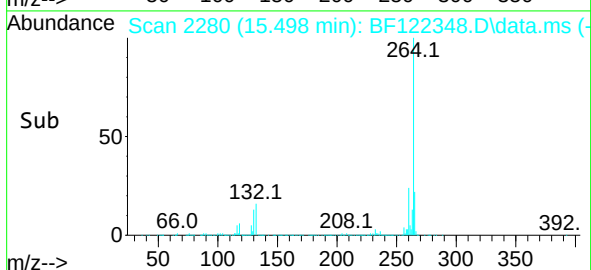
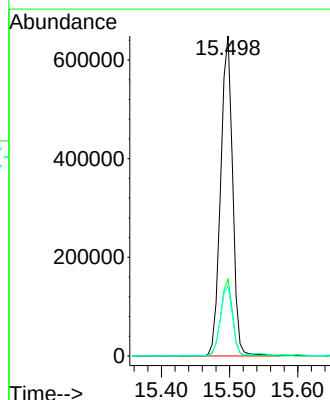
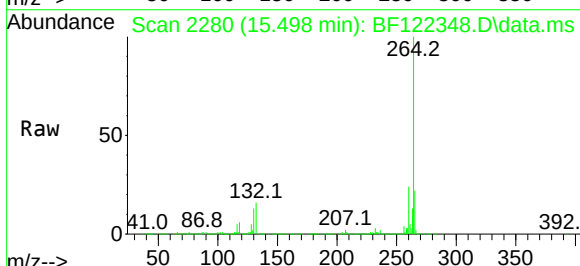
Tgt Ion:264 Resp: 795177

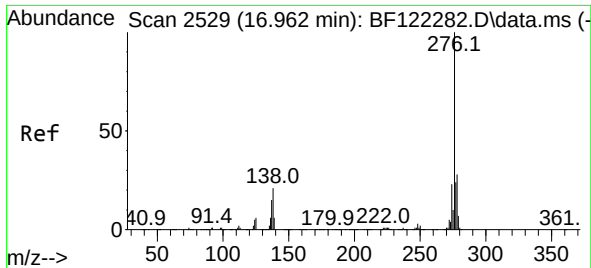
Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 21.9 17.3 25.9

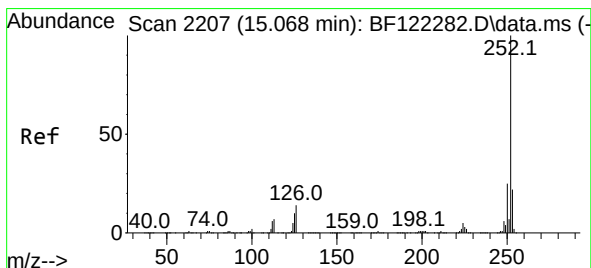
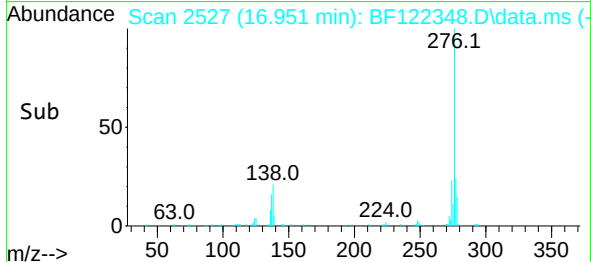
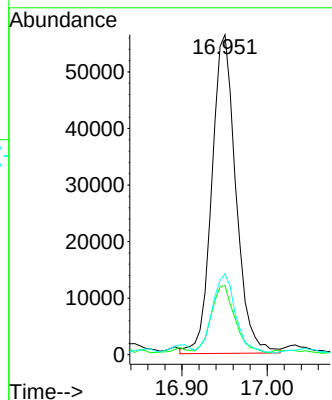
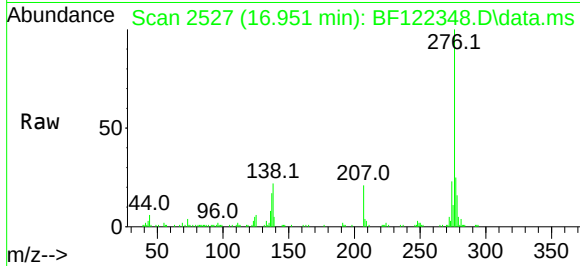




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.32 ng
RT: 16.951 min Scan# 2527
Delta R.T. -0.012 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

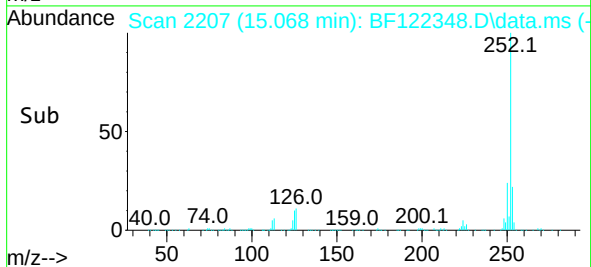
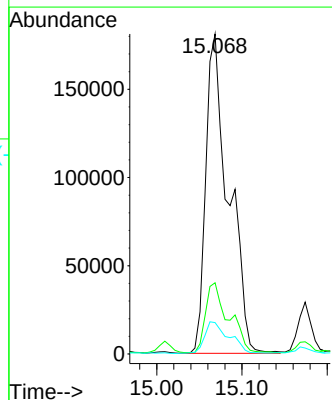
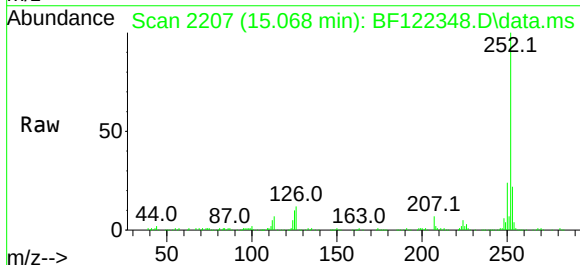
Instrument :
BNA_F
ClientSampleId :
RBR-59

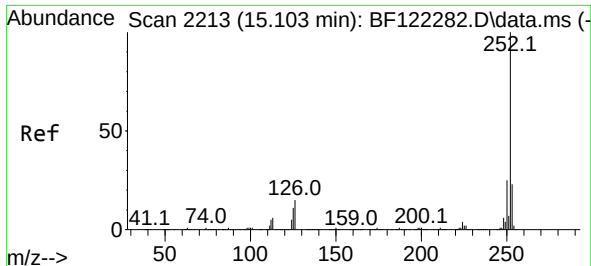
Tgt Ion:276 Resp: 110478
Ion Ratio Lower Upper
276 100
138 20.5 19.9 29.9
277 23.8 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 6.52 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Tgt Ion:252 Resp: 335964
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 9.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 6.69 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.035 min

Lab File: BF122348.D

Acq: 17 Nov 2020 16:18

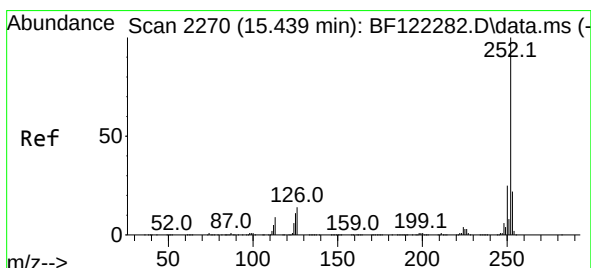
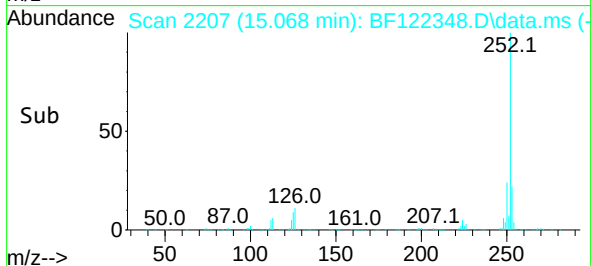
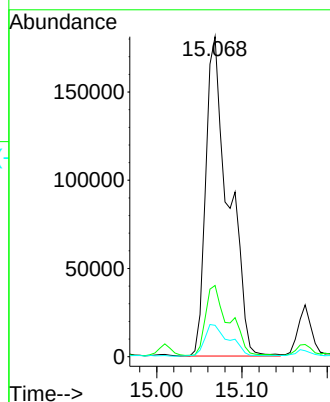
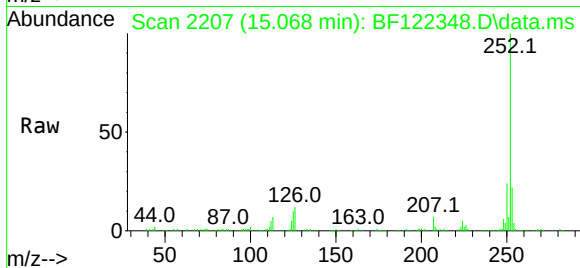
Tgt Ion:252 Resp: 335964

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 9.8 7.7 11.5



#90

Benzo(a)pyrene

Concen: 3.70 ng

RT: 15.427 min Scan# 2268

Delta R.T. -0.012 min

Lab File: BF122348.D

Acq: 17 Nov 2020 16:18

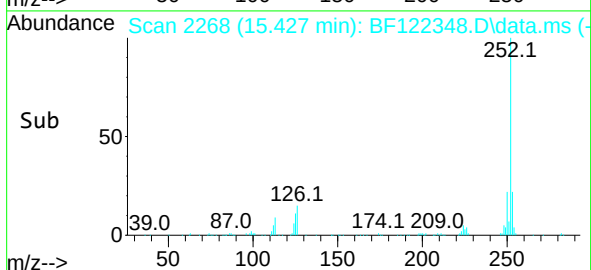
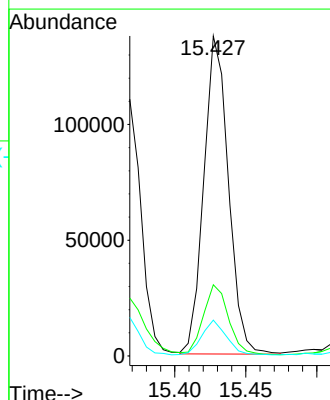
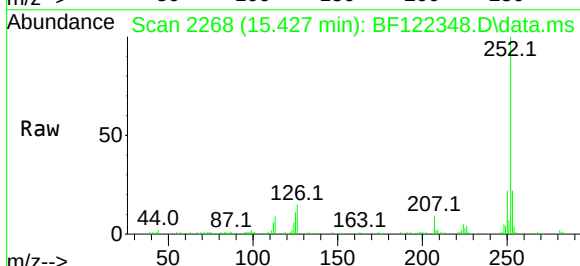
Tgt Ion:252 Resp: 166072

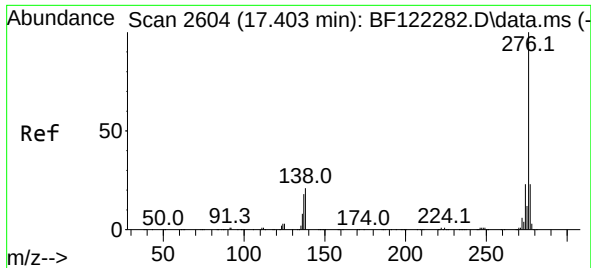
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

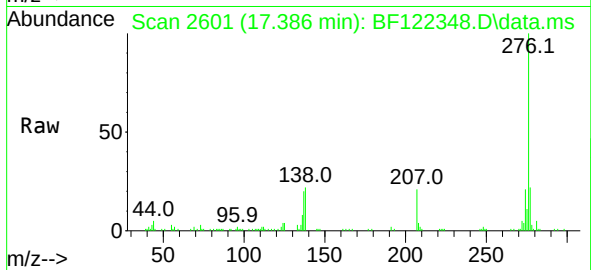
125 11.2 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 2.83 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.017 min
Lab File: BF122348.D
Acq: 17 Nov 2020 16:18

Instrument :
BNA_F
ClientSampleId :
RBR-59



Tgt Ion:	276	Resp:	110054
Ion	Ratio	Lower	Upper
276	100		
277	22.3	19.4	29.2
138	21.6	17.8	26.6

