

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111320\
 Data File : BF122333.D
 Acq On : 13 Nov 2020 17:13
 Operator : JU/CG
 Sample : L4725-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-34

Quant Time: Nov 13 17:39:27 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)

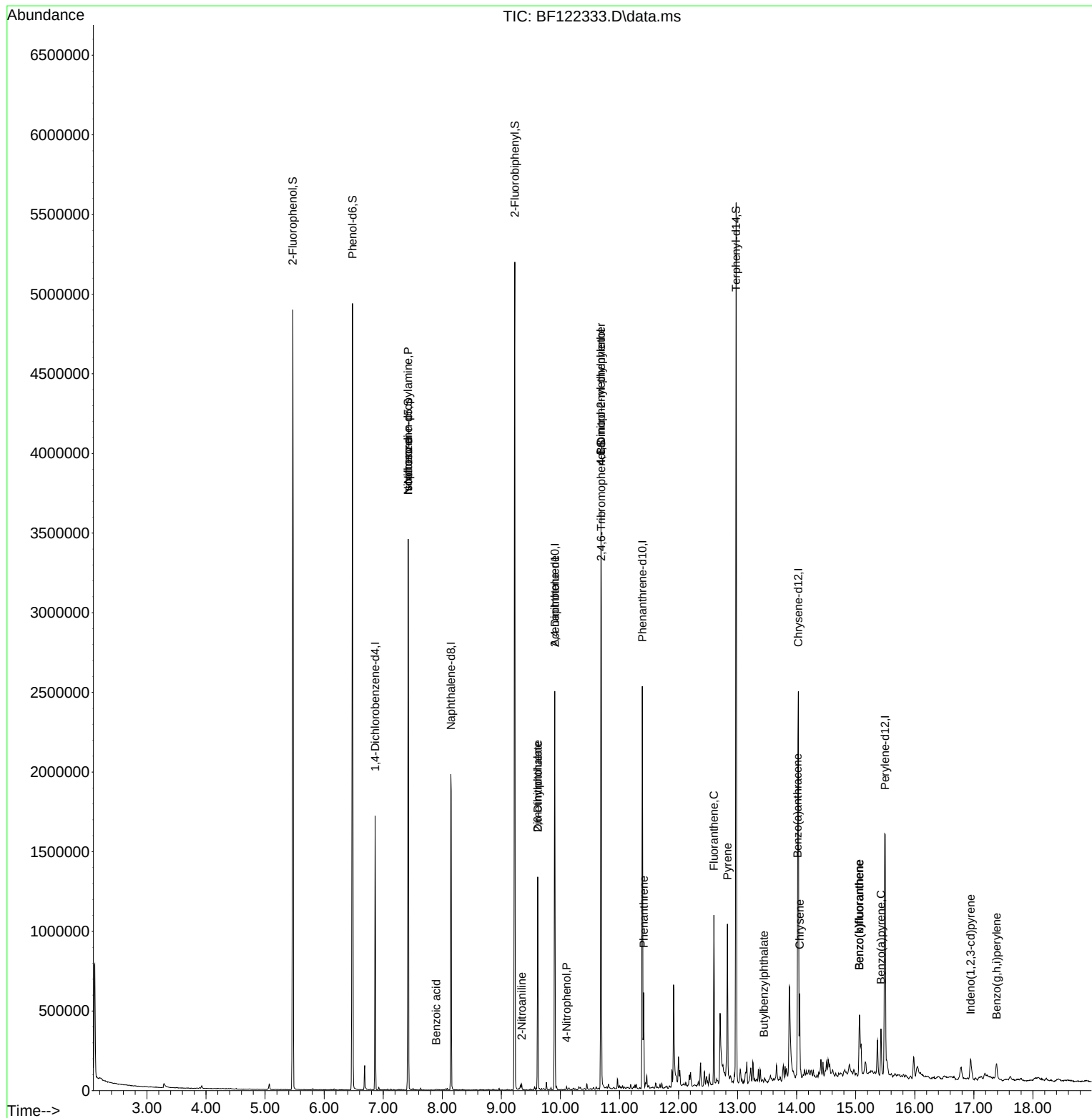
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	217983	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	839394	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	454219	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	843903	20.00	ng	0.00
76) Chrysene-d12	14.027	240	767456	20.00	ng	0.00
86) Perylene-d12	15.498	264	735598	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1315000	92.63	ng	0.00
7) Phenol-d6	6.481	99	1650383	88.87	ng	-0.01
23) Nitrobenzene-d5	7.422	82	1019315	74.34	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	430808	88.37	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1533088	52.74	ng	0.00
79) Terphenyl-d14	12.974	244	1601301	44.20	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	139	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.422	70	138591	12.49	ng	# 77
25) Isophorone	7.422	82	1016933	33.27	ng	# 67
32) Benzoic acid	7.898	122	534	8.02	ng	89
48) 2-Nitroaniline	9.345	65	374	5.21	ng	# 6
50) Dimethylphthalate	9.616	163	456423	14.14	ng	100
51) 2,6-Dinitrotoluene	9.616	165	4784	4.43	ng	# 11
56) 4-Nitrophenol	10.104	139	1481	5.60	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	60592	10.75	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.686	198	1050	6.51	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	27973	2.82	ng	# 1
71) Phenanthrene	11.410	178	199477	4.17	ng	98
75) Fluoranthene	12.598	202	375078	7.50	ng	98
78) Pyrene	12.827	202	351667	6.52	ng	99
80) Butylbenzylphthalate	13.445	149	895	3.33	ng	# 53
81) Benzo(a)anthracene	14.016	228	166936	3.50	ng	96
83) Chrysene	14.051	228	169209	3.52	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	90635	2.05	ng	96
88) Benzo(b)fluoranthene	15.063	252	288100	6.05	ng	99
89) Benzo(k)fluoranthene	15.063	252	288100	6.20	ng	99
90) Benzo(a)pyrene	15.427	252	136821	3.29	ng	99
92) Benzo(g,h,i)perylene	17.386	276	85434	2.38	ng	95

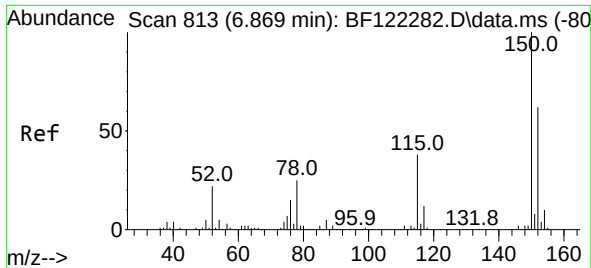
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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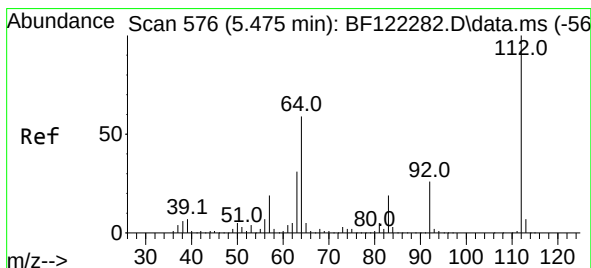
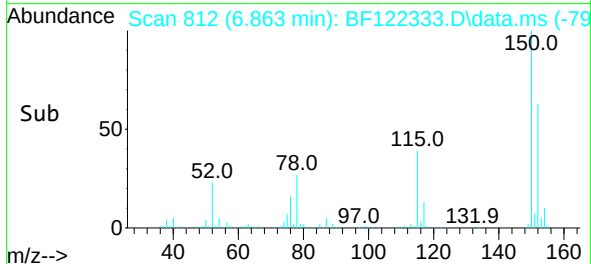
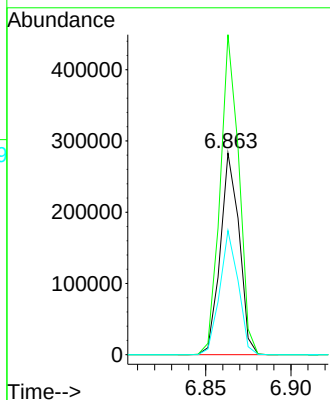
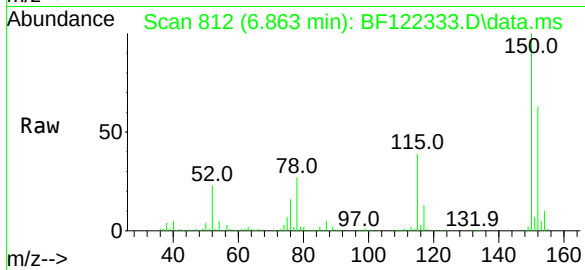




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.863 min Scan# 812
 Delta R.T. -0.006 min
 Lab File: BF122333.D
 Acq: 13 Nov 2020 17:13

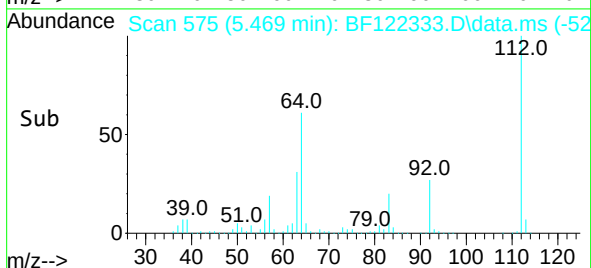
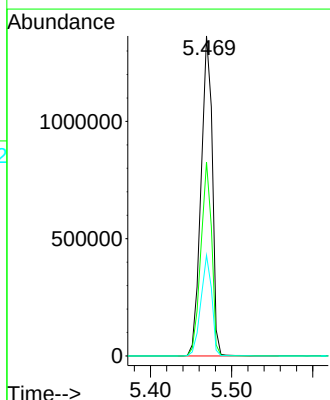
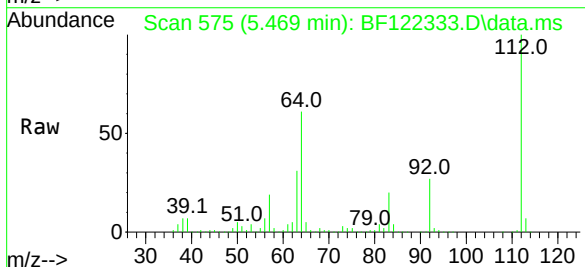
Instrument :
 BNA_F
 ClientSampleId :
 RBR-34

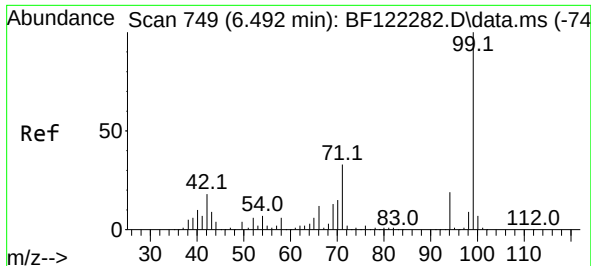
Tgt Ion:152 Resp: 217983
 Ion Ratio Lower Upper
 152 100
 150 158.7 125.3 187.9
 115 61.6 51.9 77.9



#5
 2-Fluorophenol
 Concen: 92.63 ng
 RT: 5.469 min Scan# 575
 Delta R.T. -0.006 min
 Lab File: BF122333.D
 Acq: 13 Nov 2020 17:13

Tgt Ion:112 Resp: 1315000
 Ion Ratio Lower Upper
 112 100
 64 60.6 50.4 75.6
 63 31.5 25.8 38.6

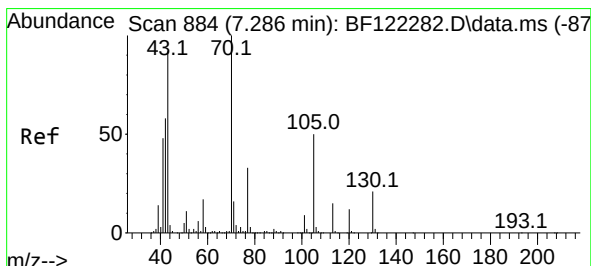
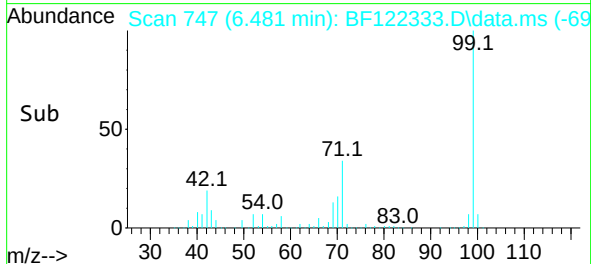
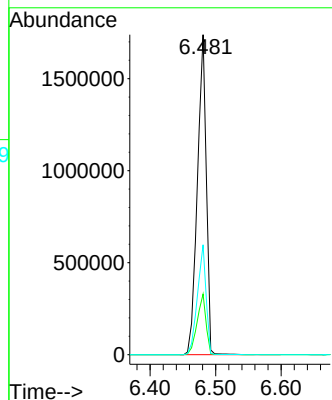
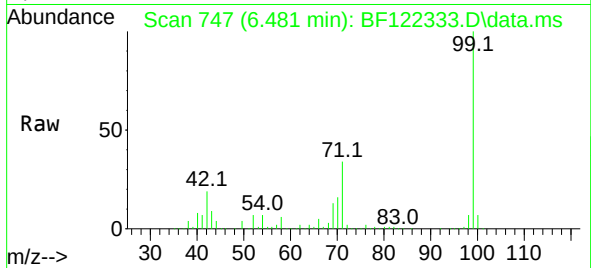




#7
Phenol-d6
Concen: 88.87 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.011 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

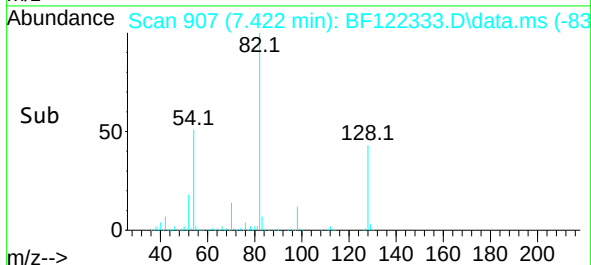
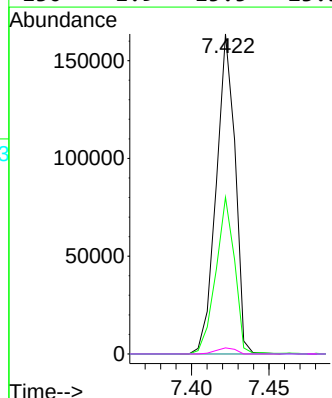
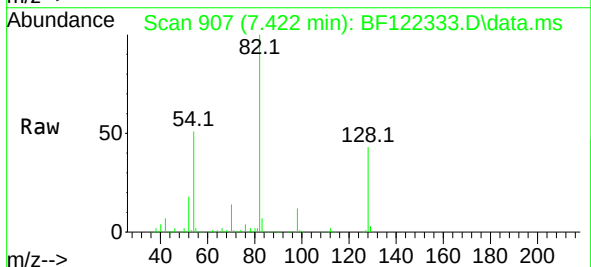
Instrument :
BNA_F
ClientSampled :
RBR-34

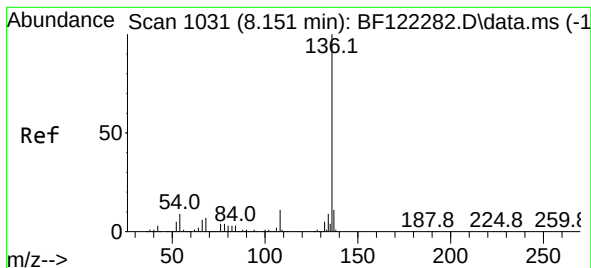
Tgt Ion: 99 Resp: 1650383
Ion Ratio Lower Upper
99 100
42 19.0 15.9 23.9
71 34.3 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.49 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.136 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

Tgt Ion: 70 Resp: 138591
Ion Ratio Lower Upper
70 100
42 49.0 50.2 75.4#
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



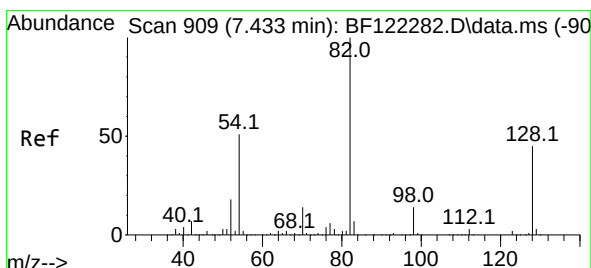
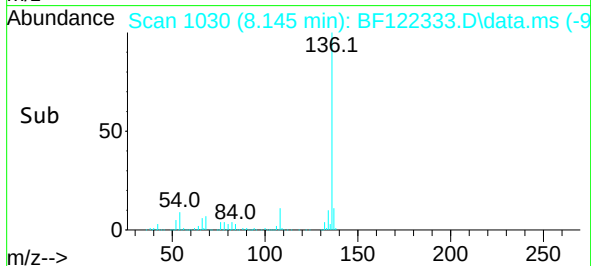
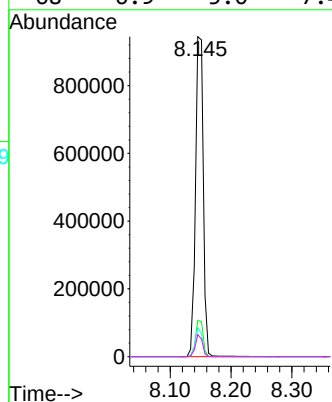
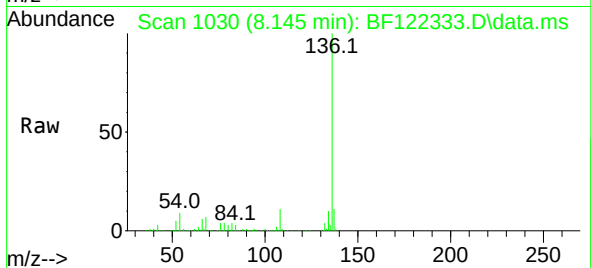


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

Instrument :
BNA_F
ClientSampleId :
RBR-34

Tgt Ion:136 Resp: 839394

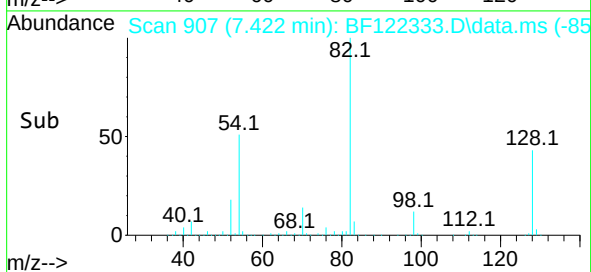
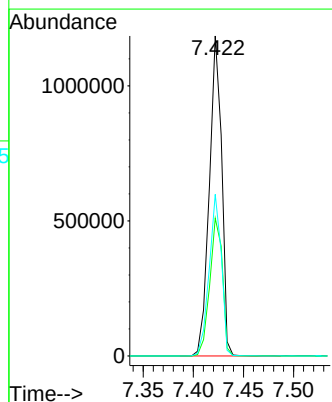
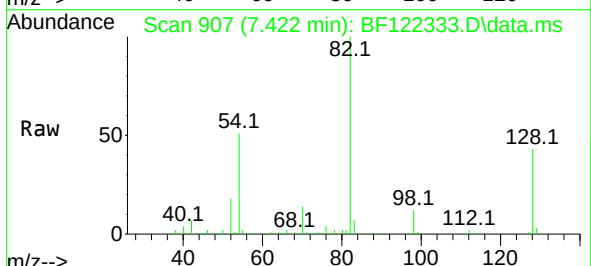
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	9.1	7.1	10.7
68	6.9	5.0	7.4

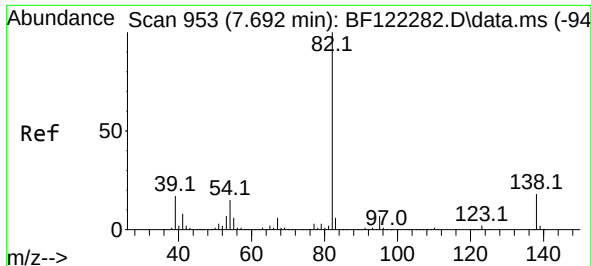


#23
Nitrobenzene-d5
Concen: 74.34 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.011 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

Tgt Ion: 82 Resp: 1019315

Ion	Ratio	Lower	Upper
82	100		
128	43.0	35.0	52.4
54	50.5	43.9	65.9

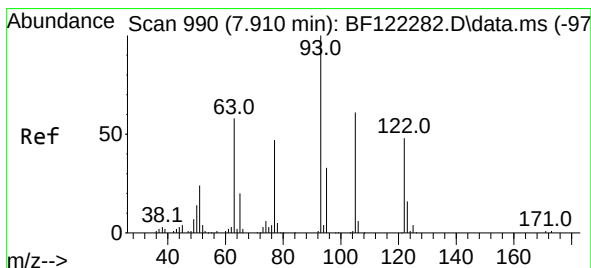
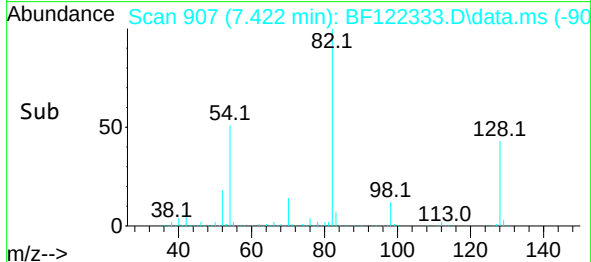
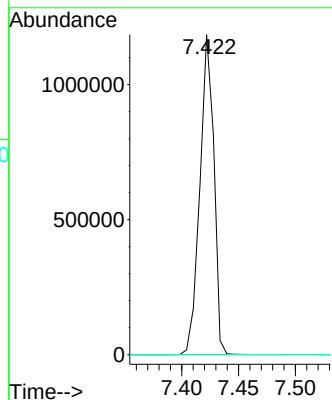
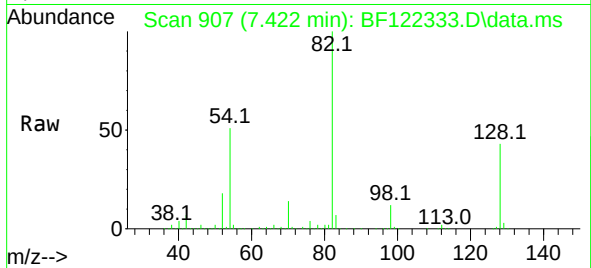




#25
Isophorone
Concen: 33.27 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.270 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

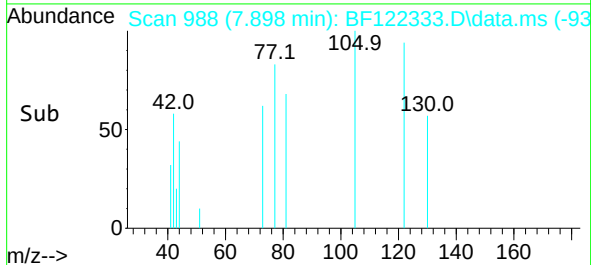
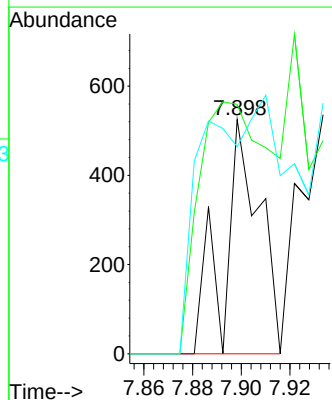
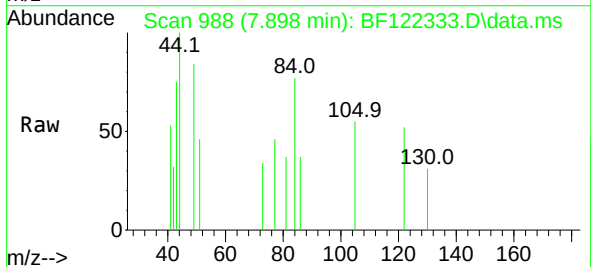
Instrument :
BNA_F
ClientSampleId :
RBR-34

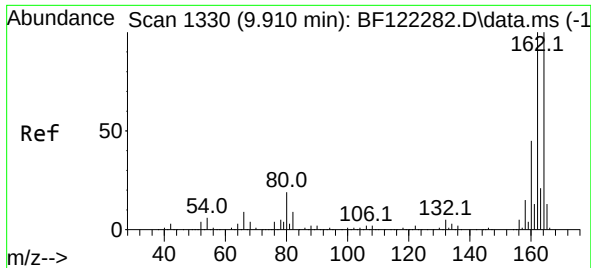
Tgt Ion: 82 Resp: 1016933
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 8.02 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.012 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

Tgt Ion: 122 Resp: 534
Ion Ratio Lower Upper
122 100
105 106.5 103.3 143.3
77 88.4 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: BF122333.D

Acq: 13 Nov 2020 17:13

Instrument :

BNA_F

ClientSampleId :

RBR-34

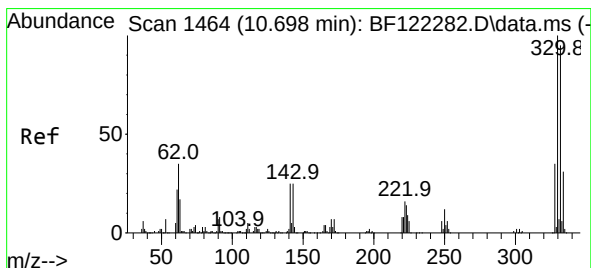
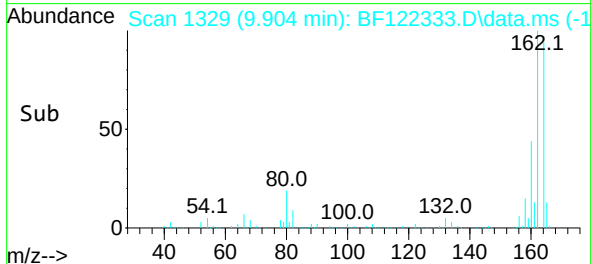
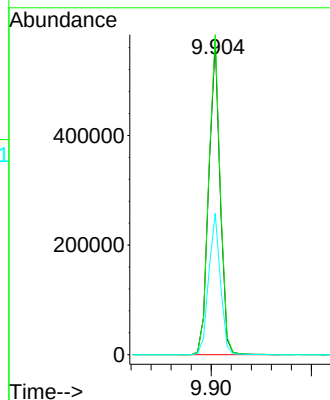
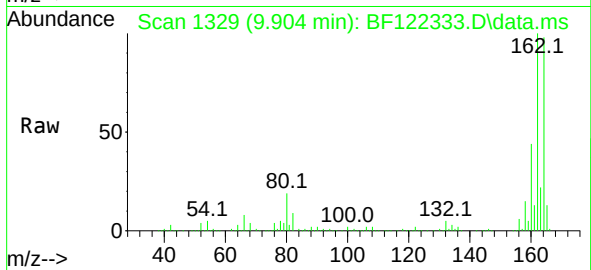
Tgt Ion:164 Resp: 454219

Ion Ratio Lower Upper

164 100

162 102.2 83.2 124.8

160 45.1 37.5 56.3



#42

2,4,6-Tribromophenol

Concen: 88.37 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.005 min

Lab File: BF122333.D

Acq: 13 Nov 2020 17:13

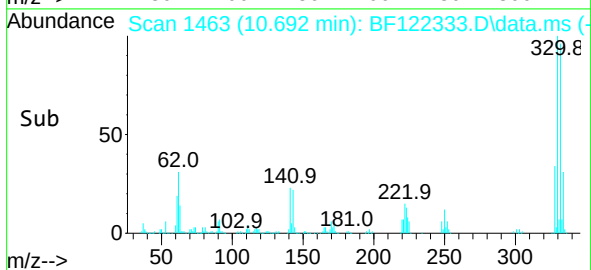
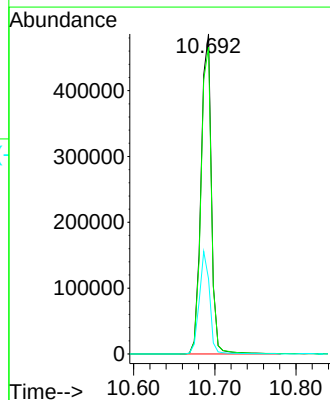
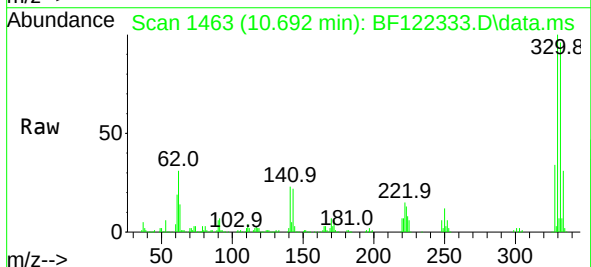
Tgt Ion:330 Resp: 430808

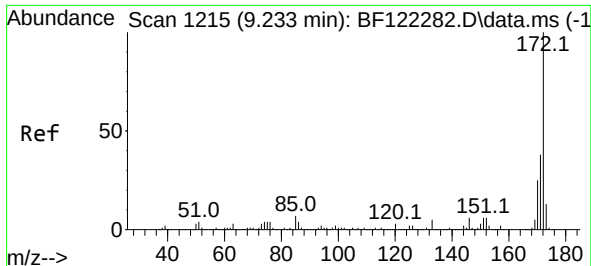
Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

141 32.3 22.3 33.5

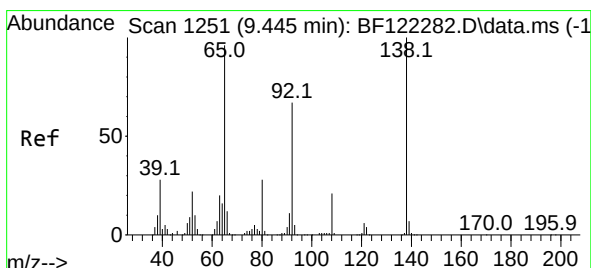
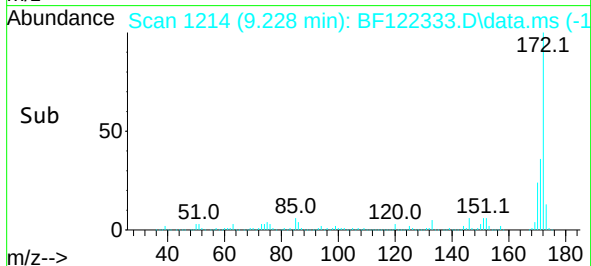
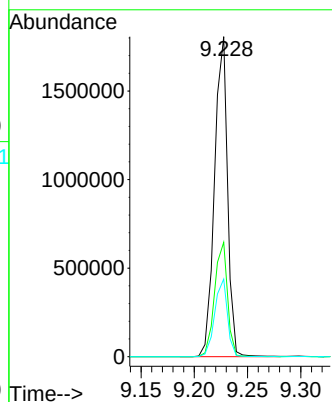
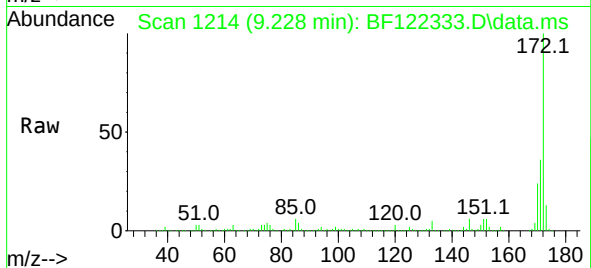




#45
2-Fluorobiphenyl
Concen: 52.74 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.005 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

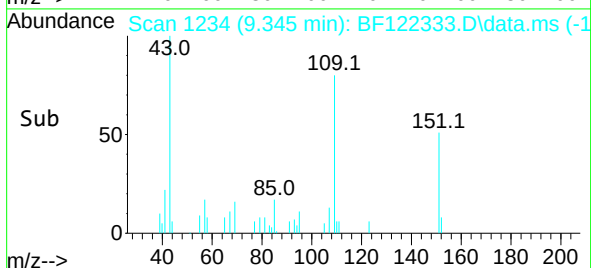
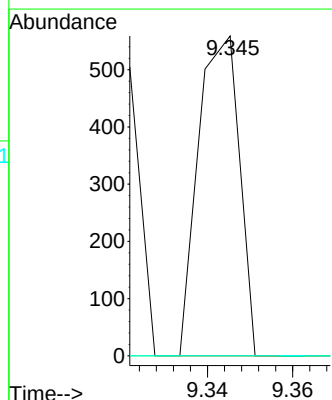
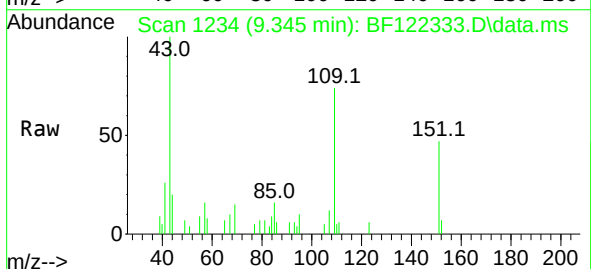
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BNA_F
ClientSampleId :
RBR-34

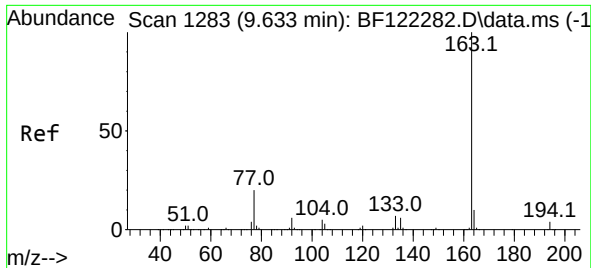
Tgt Ion:172 Resp: 1533088
Ion Ratio Lower Upper
172 100
171 35.7 29.1 43.7
170 24.3 19.8 29.6



#48
2-Nitroaniline
Concen: 5.21 ng
RT: 9.345 min Scan# 1234
Delta R.T. -0.100 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

Tgt Ion: 65 Resp: 374
Ion Ratio Lower Upper
65 100
92 0.0 55.1 82.7#
138 0.0 80.5 120.7#

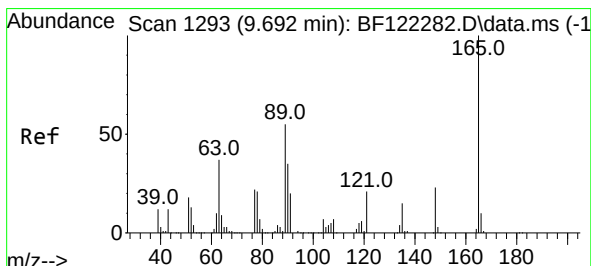
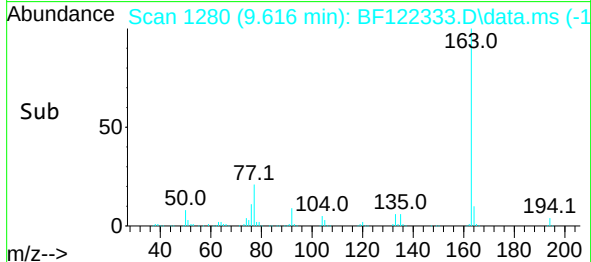
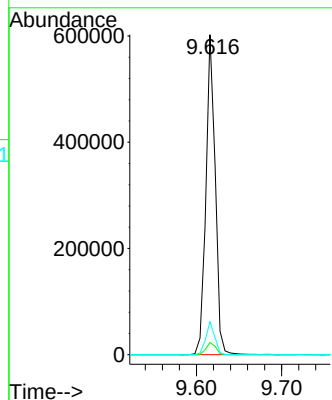
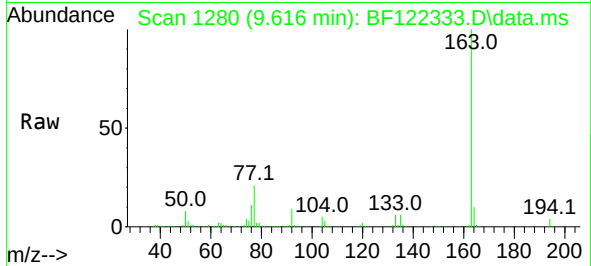




#50
Dimethylphthalate
Concen: 14.14 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

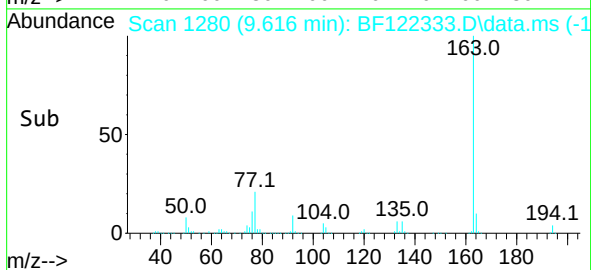
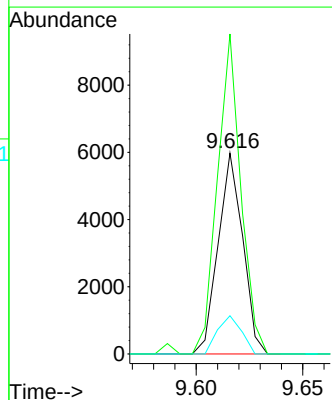
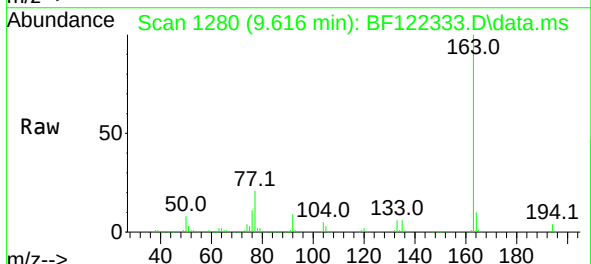
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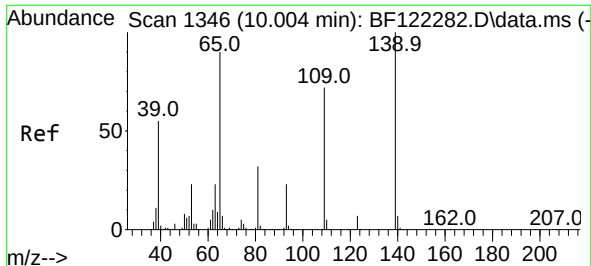
Tgt Ion:163 Resp: 456423
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.3 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 4.43 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.076 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

Tgt Ion:165 Resp: 4784
Ion Ratio Lower Upper
165 100
63 159.4 51.8 77.6#
89 19.0 49.0 73.6#

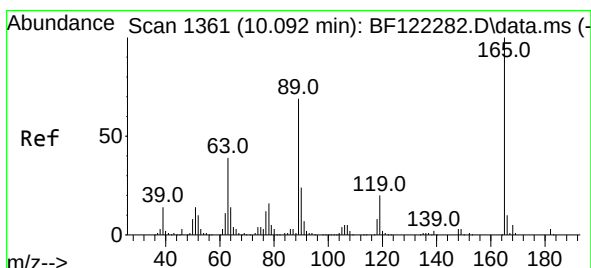
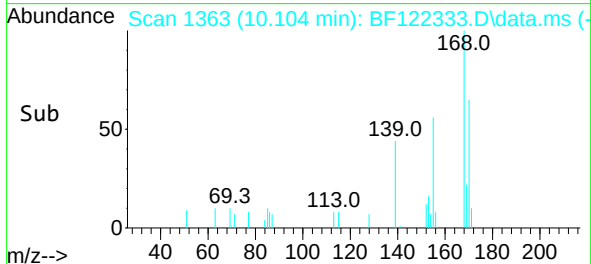
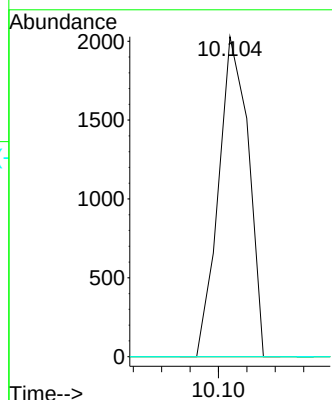
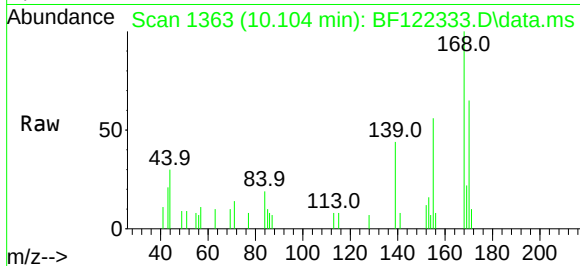




#56
4-Nitrophenol
Concen: 5.60 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.100 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

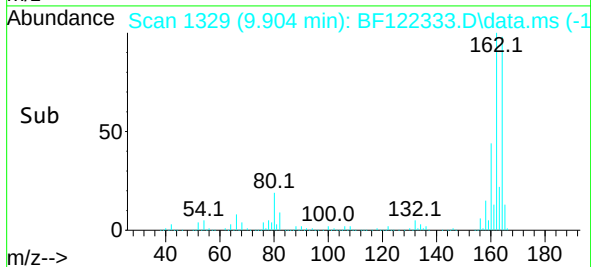
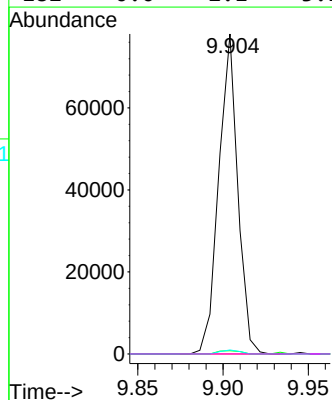
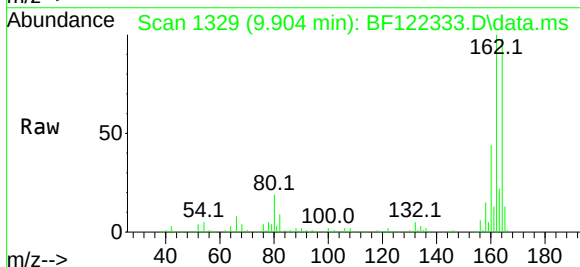
Instrument :
BNA_F
ClientSampleId :
RBR-34

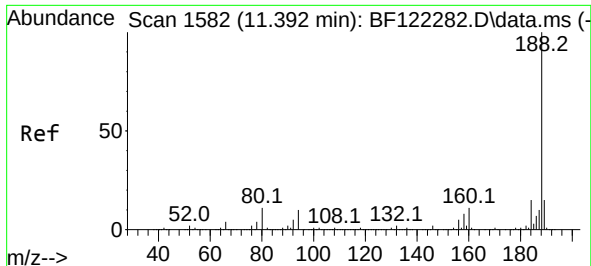
Tgt Ion:139 Resp: 1481
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 10.75 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

Tgt Ion:165 Resp: 60592
Ion Ratio Lower Upper
165 100
63 1.0 41.3 61.9#
89 1.3 61.8 92.8#
182 0.0 2.1 3.1#

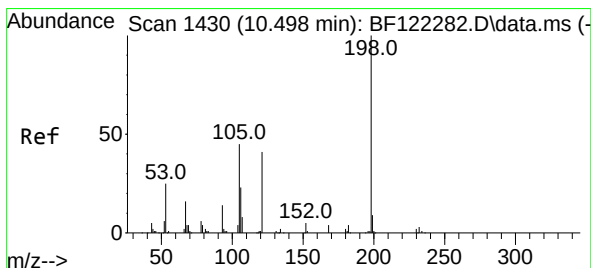
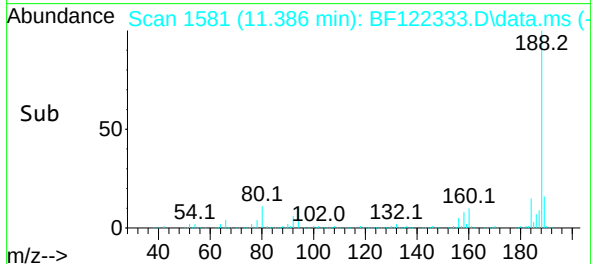
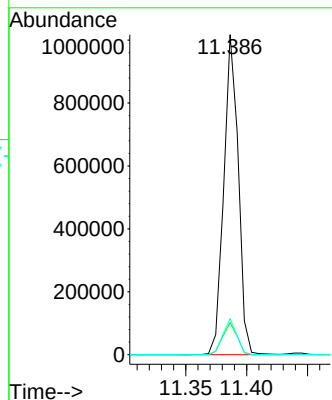
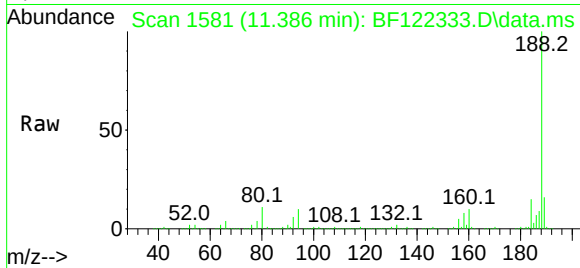




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

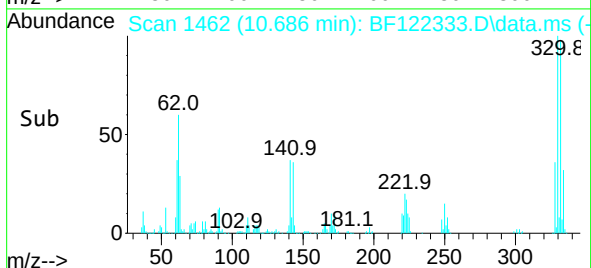
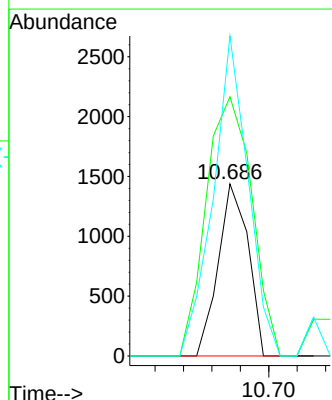
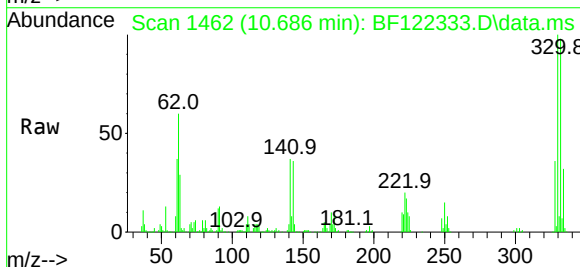
Instrument :
BNA_F
ClientSampleId :
RBR-34

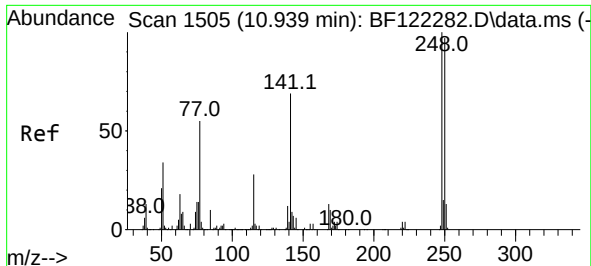
Tgt Ion:188 Resp: 843903
Ion Ratio Lower Upper
188 100
94 10.0 8.3 12.5
80 11.3 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 6.51 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.188 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

Tgt Ion:198 Resp: 1050
Ion Ratio Lower Upper
198 100
51 150.6 29.6 69.6#
105 186.0 24.4 64.4#

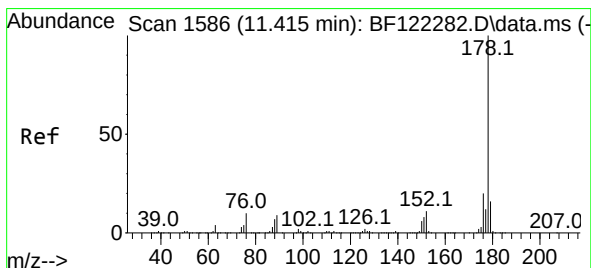
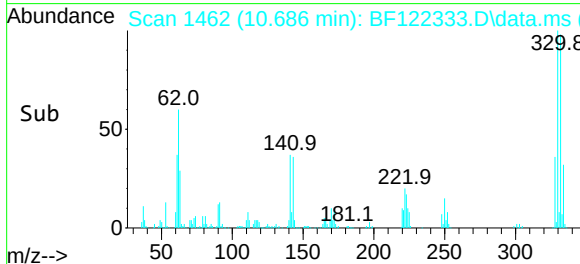
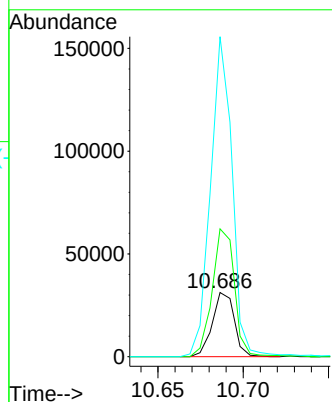
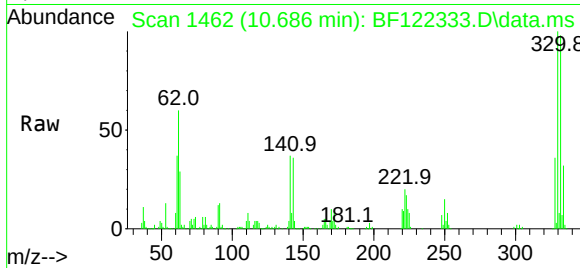




#67
4-Bromophenyl-phenylether
Concen: 2.82 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

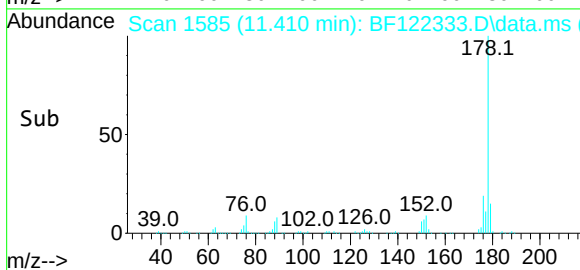
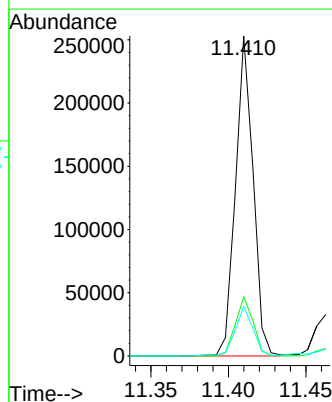
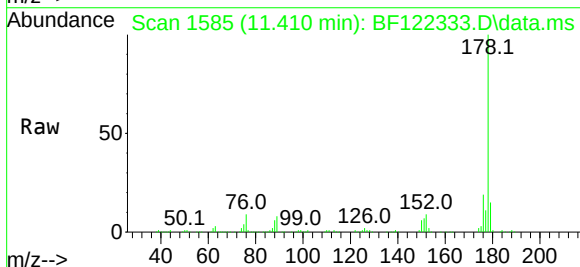
Instrument :
BNA_F
ClientSampleId :
RBR-34

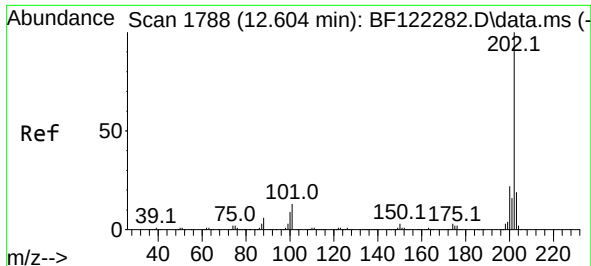
Tgt Ion:248 Resp: 27973
Ion Ratio Lower Upper
248 100
250 199.2 77.0 115.6#
141 498.9 53.7 80.5#



#71
Phenanthrene
Concen: 4.17 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.005 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

Tgt Ion:178 Resp: 199477
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 15.4 12.2 18.4

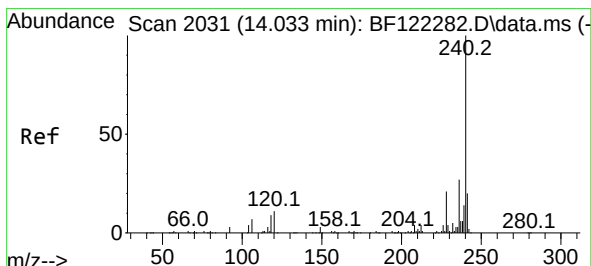
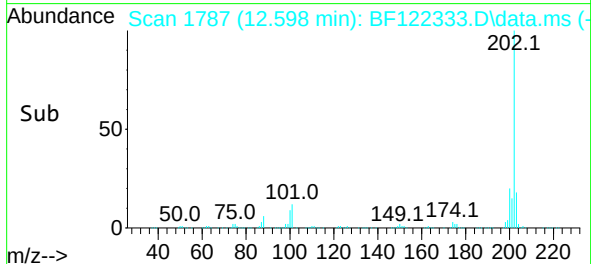
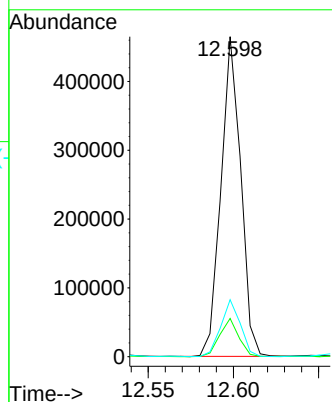
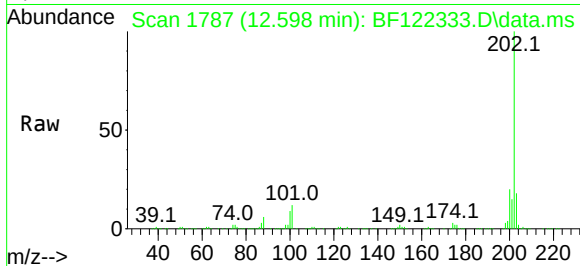




#75
Fluoranthene
Concen: 7.50 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

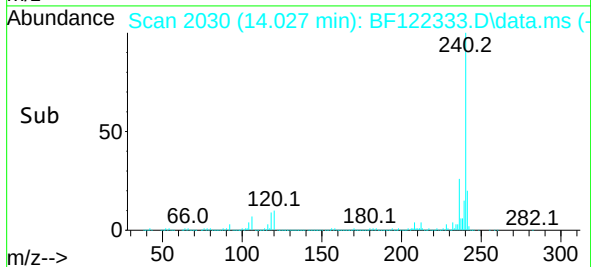
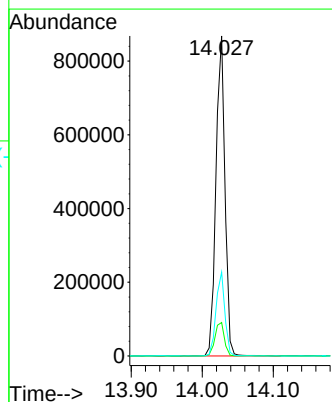
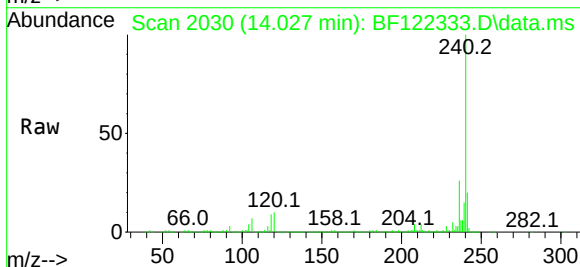
Instrument :
BNA_F
ClientSampleId :
RBR-34

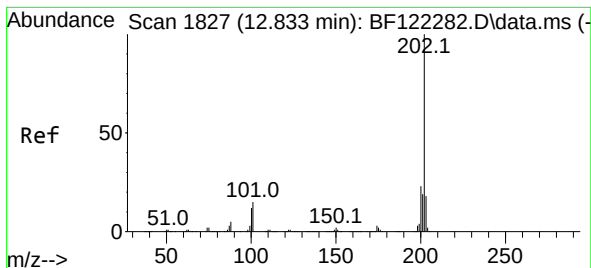
Tgt Ion:202 Resp: 375078
Ion Ratio Lower Upper
202 100
101 12.0 0.0 33.4
203 17.8 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

Tgt Ion:240 Resp: 767456
Ion Ratio Lower Upper
240 100
120 10.5 9.2 13.8
236 26.2 20.9 31.3





#78

Pyrene

Concen: 6.52 ng

RT: 12.827 min Scan# 1826

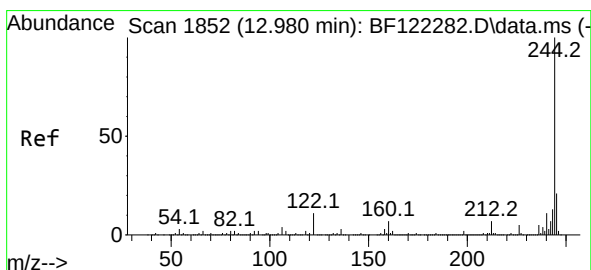
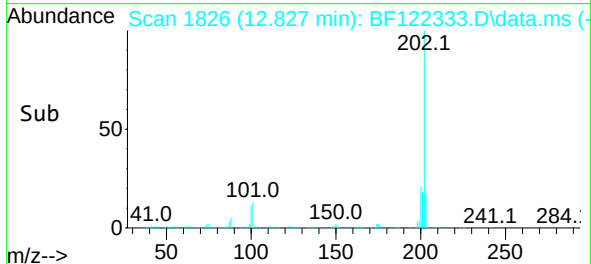
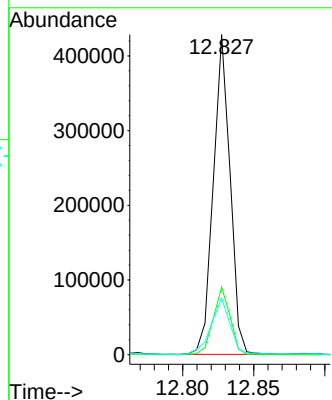
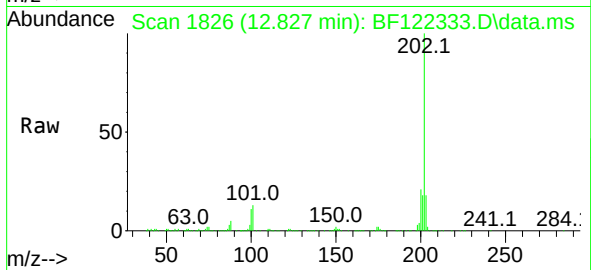
Delta R.T. -0.005 min

Lab File: BF122333.D

Acq: 13 Nov 2020 17:13

Tgt Ion:202 Resp: 351667

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.7	14.6	21.8



#79

Terphenyl-d14

Concen: 44.20 ng

RT: 12.974 min Scan# 1851

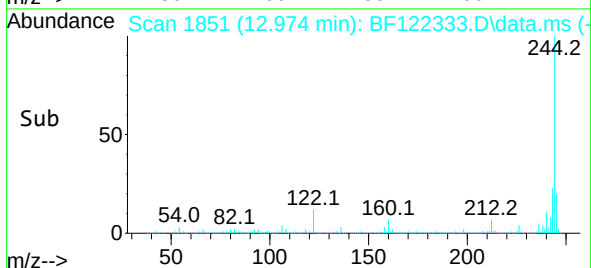
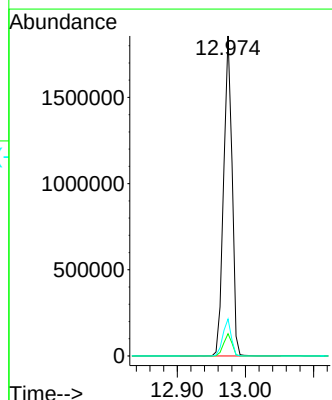
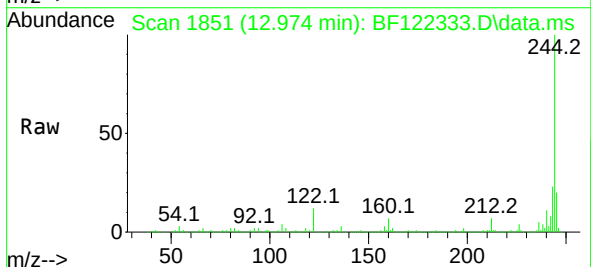
Delta R.T. -0.005 min

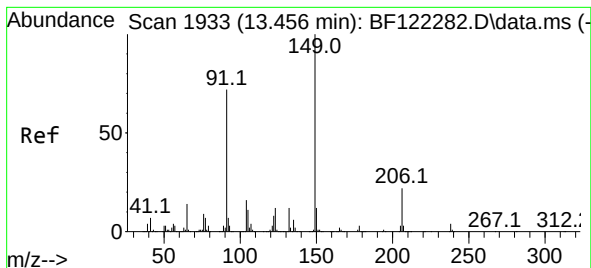
Lab File: BF122333.D

Acq: 13 Nov 2020 17:13

Tgt Ion:244 Resp: 1601301

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.5	8.1	12.1

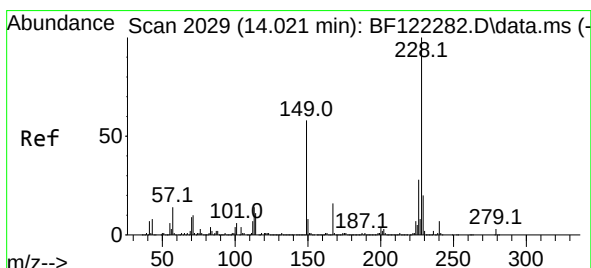
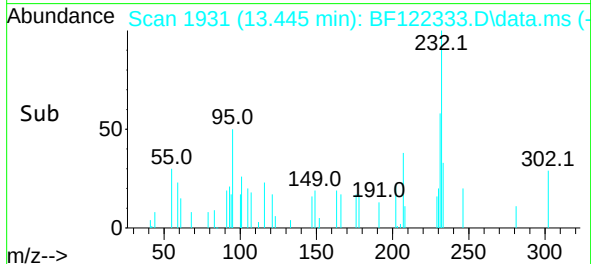
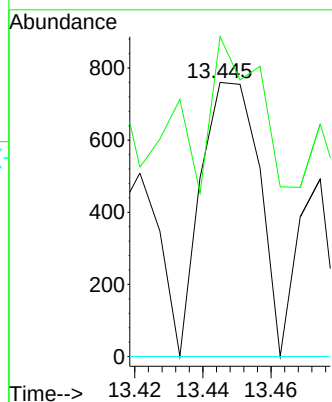
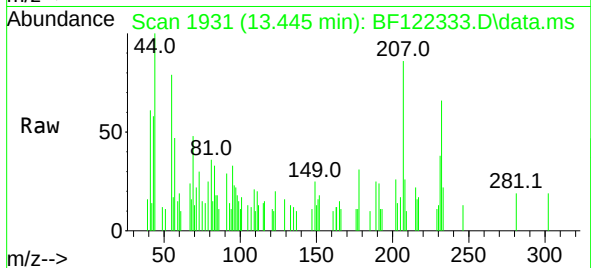




#80
Butylbenzylphthalate
Concen: 3.33 ng
RT: 13.445 min Scan# 1931
Delta R.T. -0.011 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

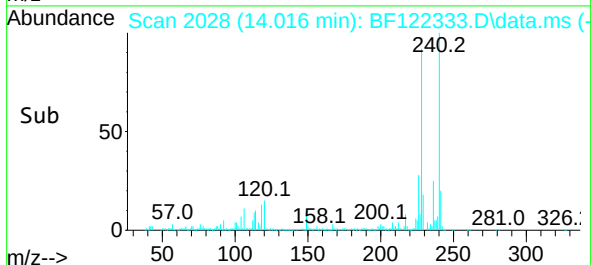
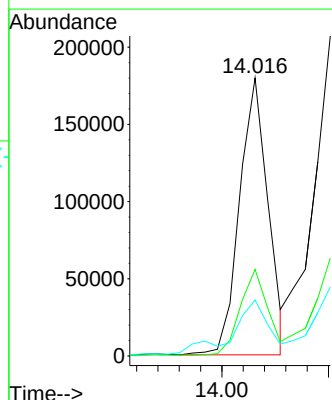
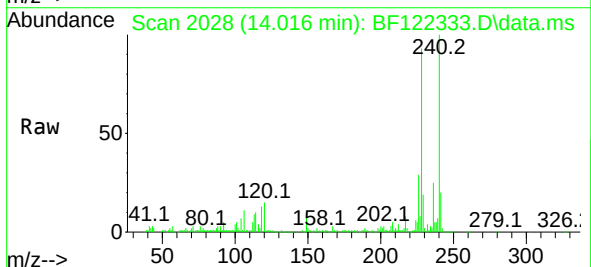
Instrument :
BNA_F
ClientSampled :
RBR-34

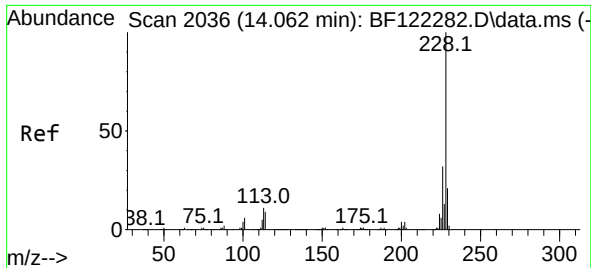
Tgt Ion:149 Resp: 895
Ion Ratio Lower Upper
149 100
91 116.7 61.0 91.4#
206 0.0 16.7 25.1#



#81
Benzo(a)anthracene
Concen: 3.50 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.005 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

Tgt Ion:228 Resp: 166936
Ion Ratio Lower Upper
228 100
226 31.1 22.3 33.5
229 20.1 16.2 24.4

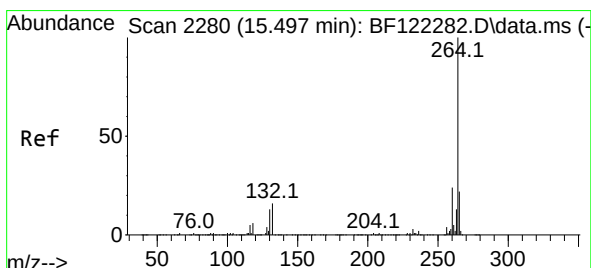
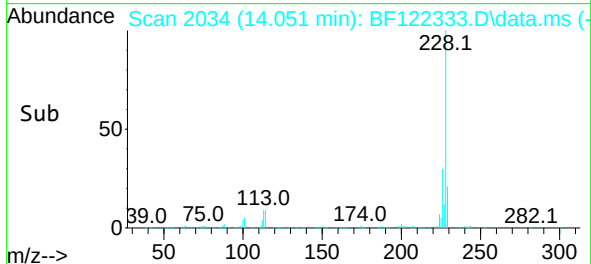
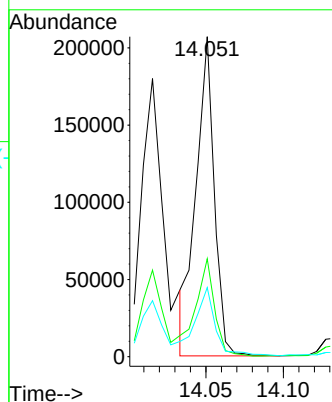
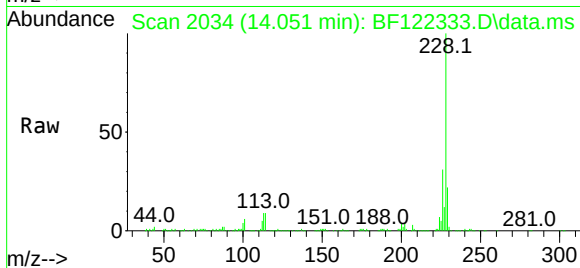




#83
Chrysene
Concen: 3.52 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.011 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

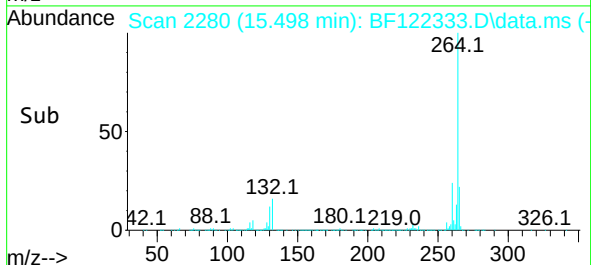
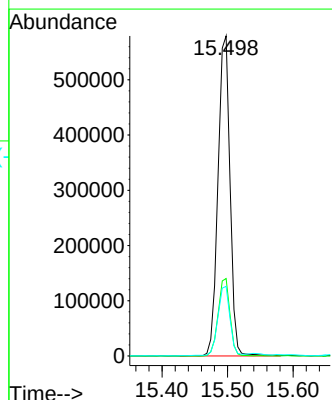
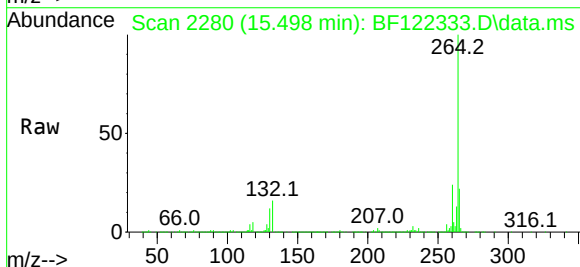
Instrument :
BNA_F
ClientSampleId :
RBR-34

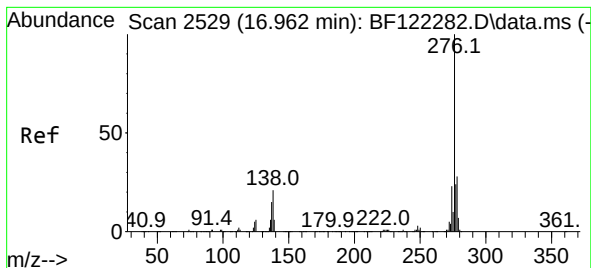
Tgt Ion:228	Resp: 169209
Ion Ratio	Lower Upper
228	100
226	30.6 24.6 37.0
229	21.6 15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

Tgt Ion:264	Resp: 735598
Ion Ratio	Lower Upper
264	100
260	24.2 18.7 28.1
265	21.8 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.05 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.017 min

Lab File: BF122333.D

Acq: 13 Nov 2020 17:13

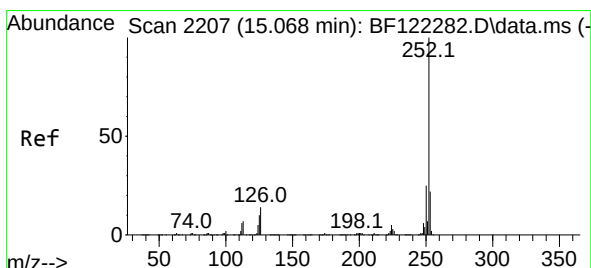
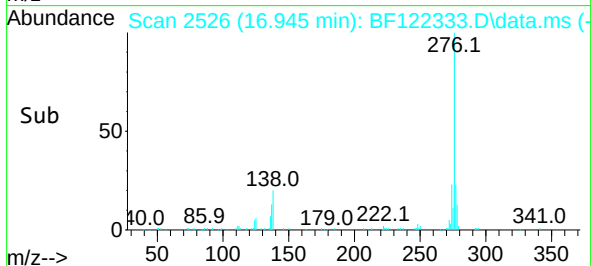
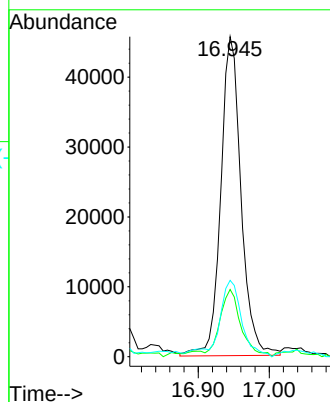
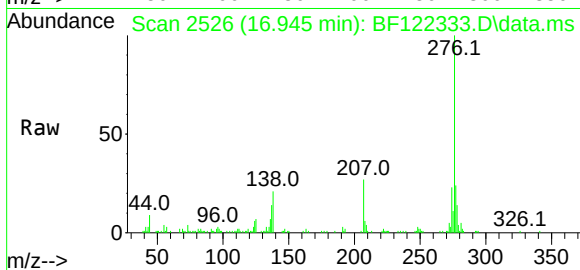
Tgt Ion:	276	Resp:	90635
Ion Ratio	Lower	Upper	
276	100		
138	21.5	19.9	29.9
277	26.5	20.4	30.6

Instrument :

BNA_F

ClientSampleId :

RBR-34



#88

Benzo(b)fluoranthene

Concen: 6.05 ng

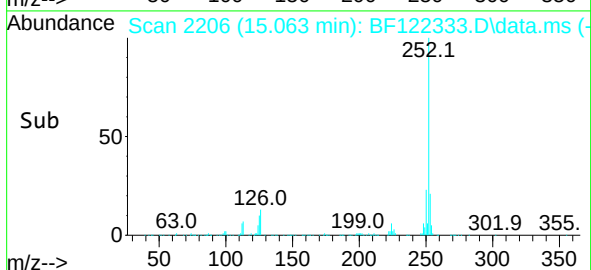
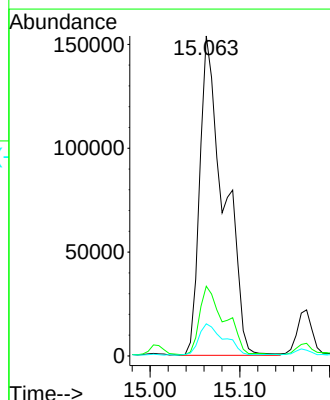
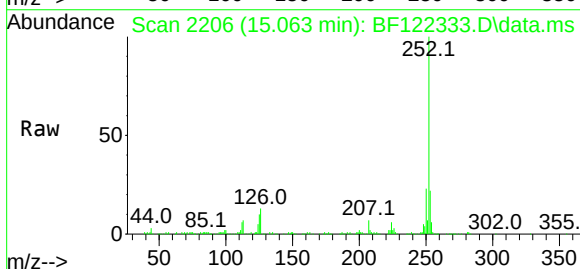
RT: 15.063 min Scan# 2206

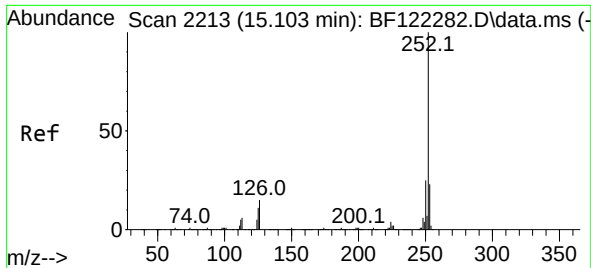
Delta R.T. -0.005 min

Lab File: BF122333.D

Acq: 13 Nov 2020 17:13

Tgt Ion:	252	Resp:	288100
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.2	27.2
125	10.1	8.0	12.0

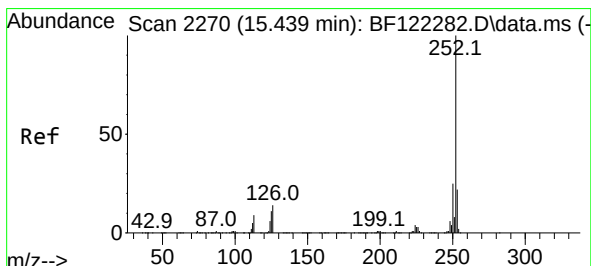
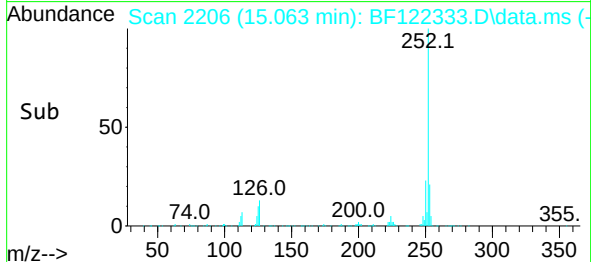
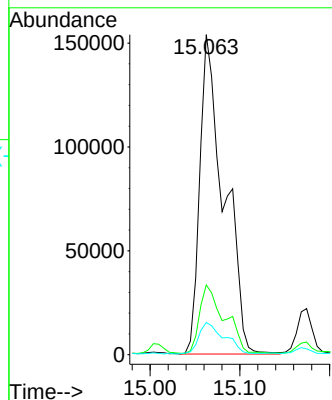
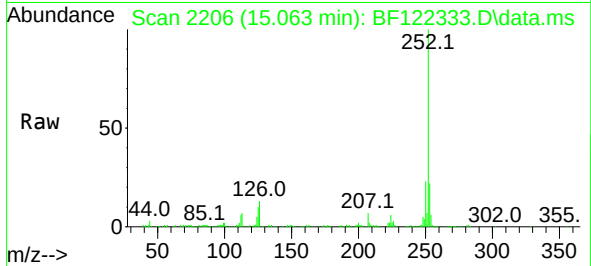




#89
Benzo(k)fluoranthene
Concen: 6.20 ng
RT: 15.063 min Scan# 2206
Delta R.T. -0.041 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

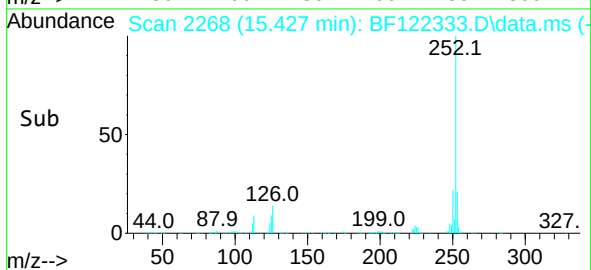
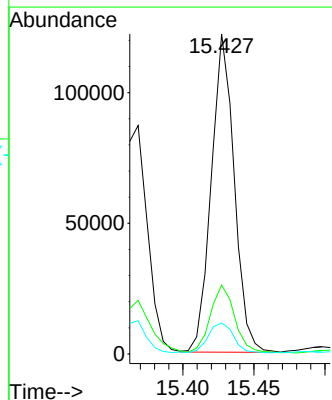
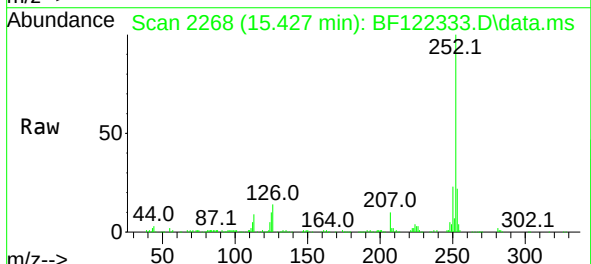
Instrument :
BNA_F
ClientSampled :
RBR-34

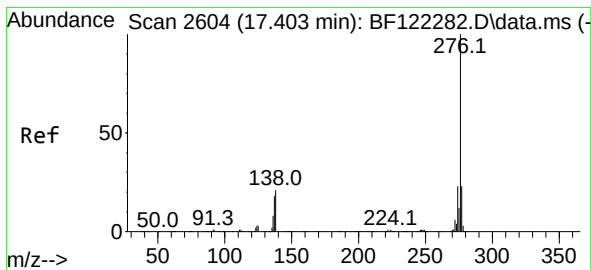
Tgt Ion:252 Resp: 288100
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 10.1 7.7 11.5



#90
Benzo(a)pyrene
Concen: 3.29 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.011 min
Lab File: BF122333.D
Acq: 13 Nov 2020 17:13

Tgt Ion:252 Resp: 136821
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 9.7 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 2.38 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.017 min

Lab File: BF122333.D

Acq: 13 Nov 2020 17:13

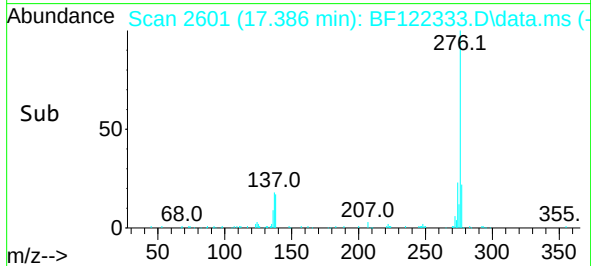
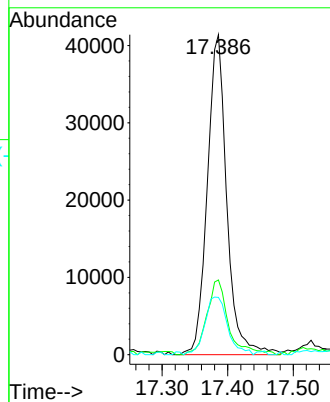
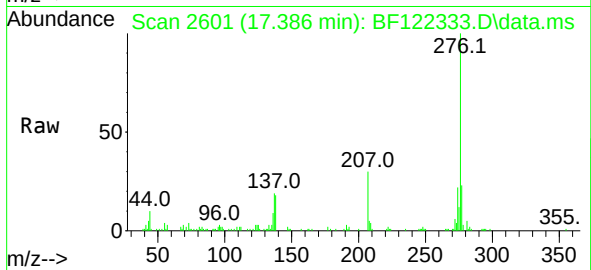
Tgt Ion: 276 Resp: 85434

Ion Ratio Lower Upper

276 100

277 23.4 19.4 29.2

138 17.9 17.8 26.6



Instrument :

BNA_F

ClientSampleId :

RBR-34