

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
 Data File : BF122349.D
 Acq On : 17 Nov 2020 16:49
 Operator : JU/CG
 Sample : L4725-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-31

Quant Time: Nov 17 17:19:41 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)

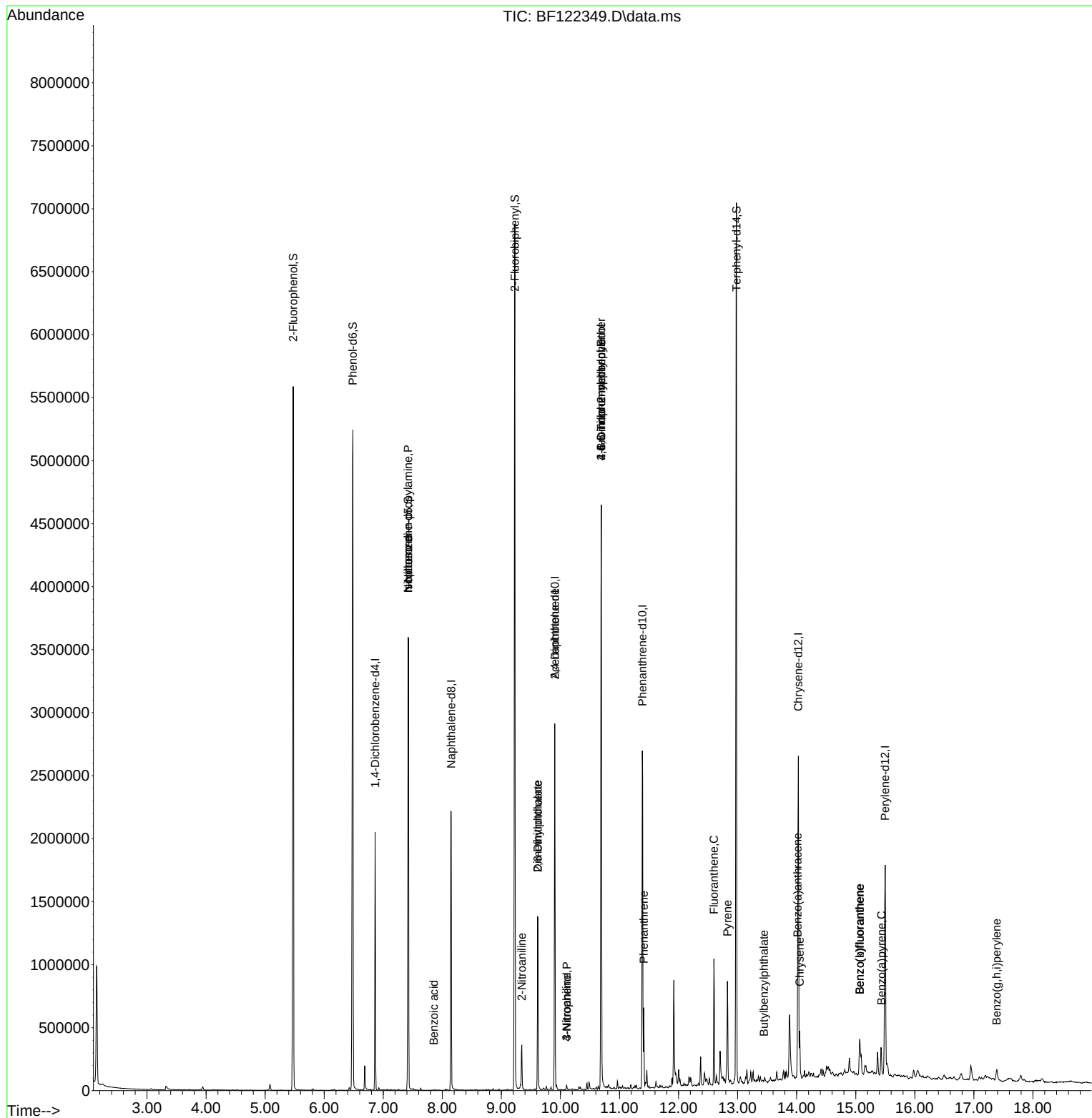
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	265820	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	1013635	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	532697	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	1003087	20.00	ng	0.00
76) Chrysene-d12	14.027	240	769855	20.00	ng	0.00
86) Perylene-d12	15.498	264	774610	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1611072	93.06	ng	0.00
7) Phenol-d6	6.487	99	2073256	91.55	ng	0.00
23) Nitrobenzene-d5	7.422	82	1250543	75.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	604987	105.82	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2070020	60.72	ng	0.00
79) Terphenyl-d14	12.980	244	2290895	63.04	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	129	Below Cal	#	74
19) n-Nitroso-di-n-propyla...	7.422	70	168425	12.45	ng	# 76
25) Isophorone	7.422	82	1231440	33.36	ng	# 67
32) Benzoic acid	7.857	122	107	7.97	ng	# 1
48) 2-Nitroaniline	9.345	65	4587	5.58	ng	# 12
50) Dimethylphthalate	9.616	163	511100	13.50	ng	99
51) 2,6-Dinitrotoluene	9.616	165	5640	4.43	ng	# 19
53) 3-Nitroaniline	10.104	138	106	3.57	ng	# 1
56) 4-Nitrophenol	10.110	139	3301	5.78	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	70291	10.69	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.692	198	1509	6.59	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	38101	3.23	ng	# 1
71) Phenanthrene	11.410	178	205105	3.60	ng	98
75) Fluoranthene	12.598	202	381306	6.42	ng	98
78) Pyrene	12.827	202	314168	5.81	ng	99
80) Butylbenzylphthalate	13.445	149	942	3.33	ng	# 74
81) Benzo(a)anthracene	14.015	228	140407	2.93	ng	97
83) Chrysene	14.051	228	132476	2.75	ng	98
88) Benzo(b)fluoranthene	15.068	252	222579	4.44	ng	99
89) Benzo(k)fluoranthene	15.068	252	222579	4.55	ng	98
90) Benzo(a)pyrene	15.433	252	109430	2.50	ng	98
92) Benzo(g,h,i)perylene	17.386	276	77537	2.05	ng	100

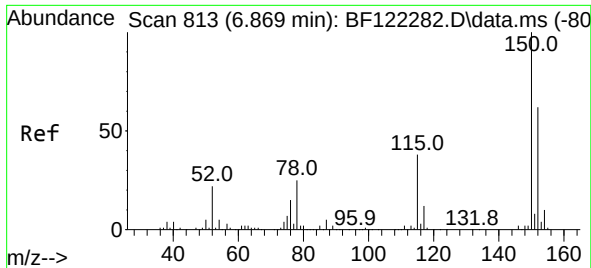
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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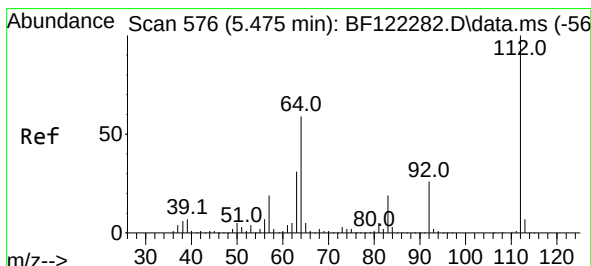
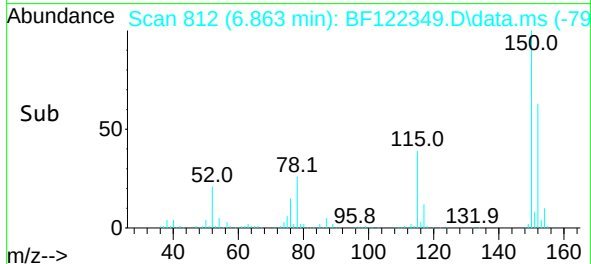
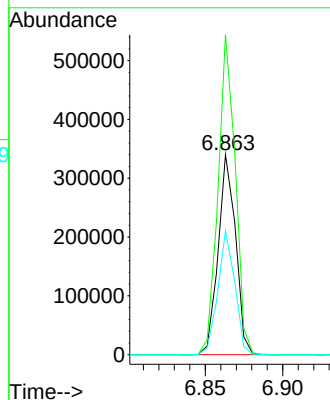
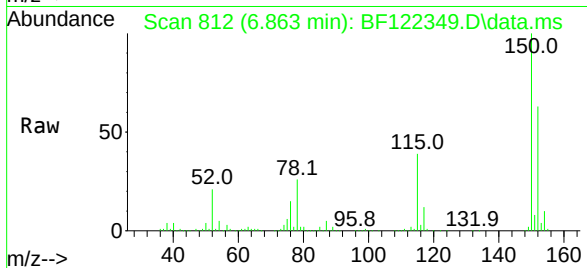




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

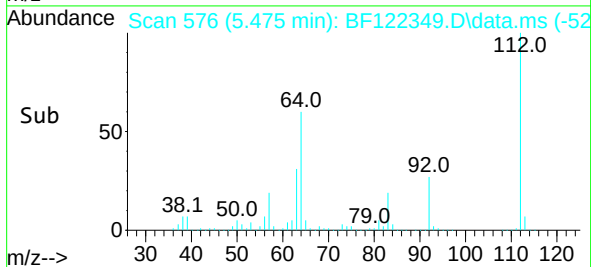
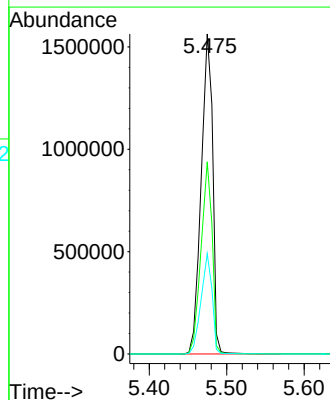
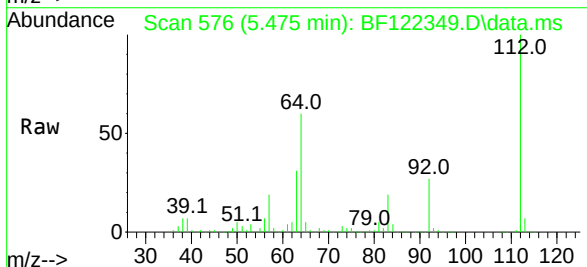
Instrument :
BNA_F
ClientSampleId :
RBR-31

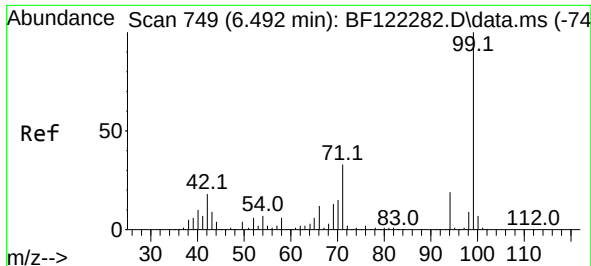
Tgt Ion:152 Resp: 265820
Ion Ratio Lower Upper
152 100
150 159.8 125.3 187.9
115 61.9 51.9 77.9



#5
2-Fluorophenol
Concen: 93.06 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Tgt Ion:112 Resp: 1611072
Ion Ratio Lower Upper
112 100
64 60.0 50.4 75.6
63 31.3 25.8 38.6

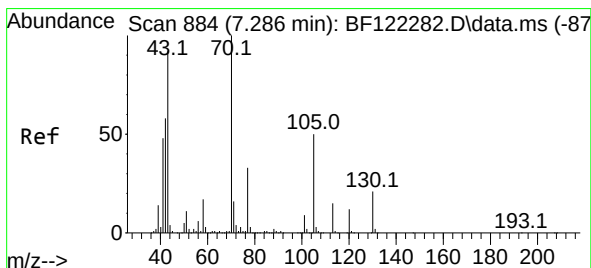
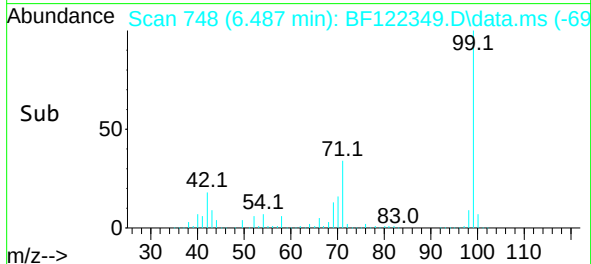
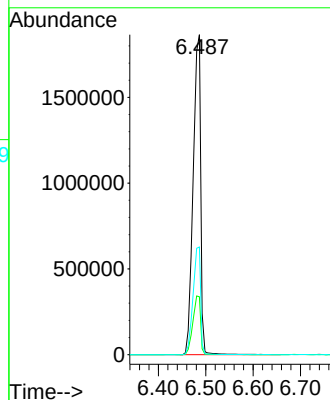
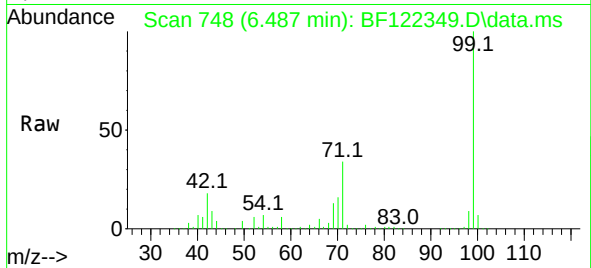




#7
Phenol-d6
Concen: 91.55 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

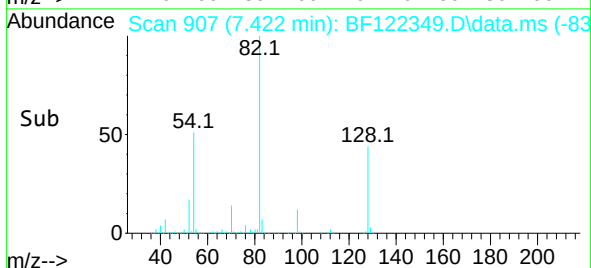
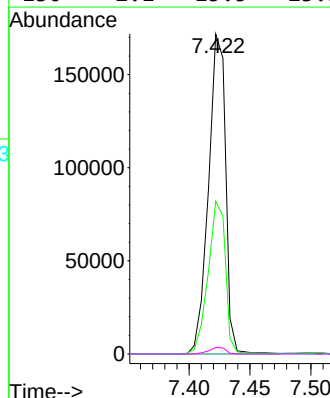
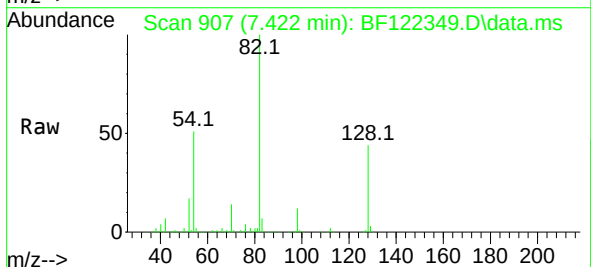
Instrument :
BNA_F
ClientSampleId :
RBR-31

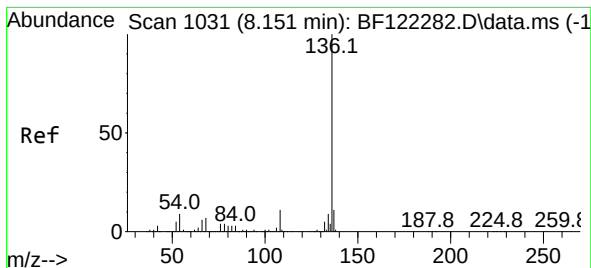
Tgt Ion: 99 Resp: 2073256
Ion Ratio Lower Upper
99 100
42 18.1 15.9 23.9
71 33.6 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.45 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.136 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Tgt Ion: 70 Resp: 168425
Ion Ratio Lower Upper
70 100
42 47.8 50.2 75.4#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



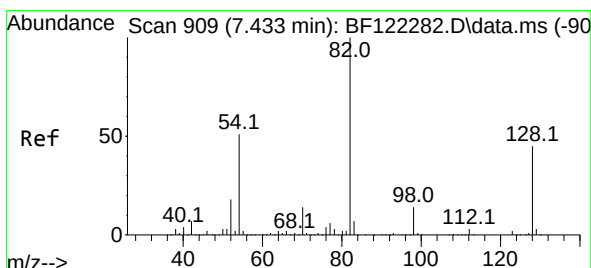
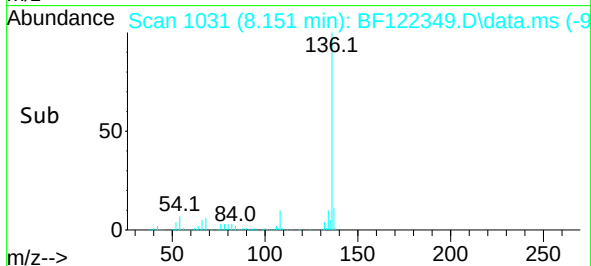
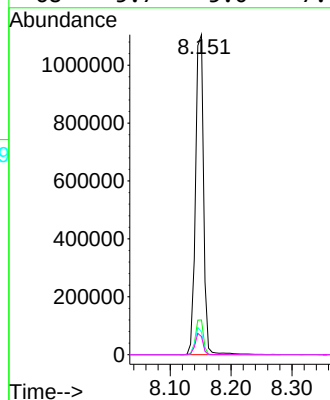
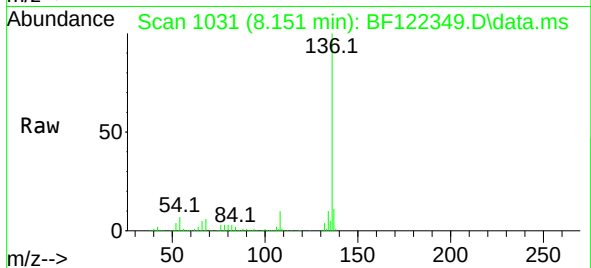


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Instrument :
BNA_F
ClientSampleId :
RBR-31

Tgt Ion:136 Resp: 1013635

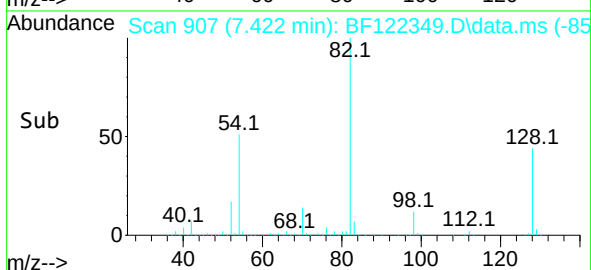
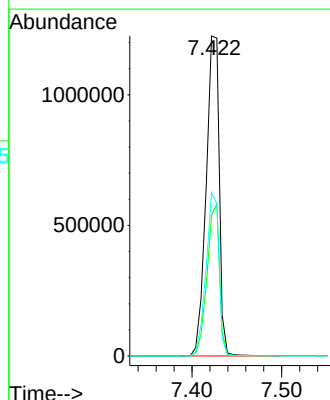
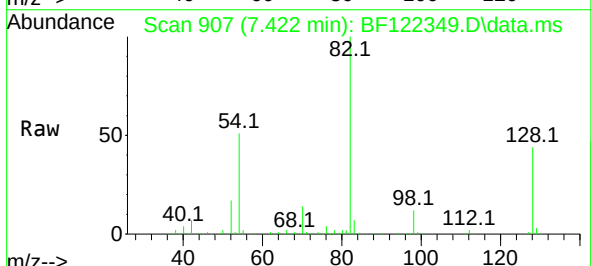
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	7.1	7.1	10.7
68	5.7	5.0	7.4

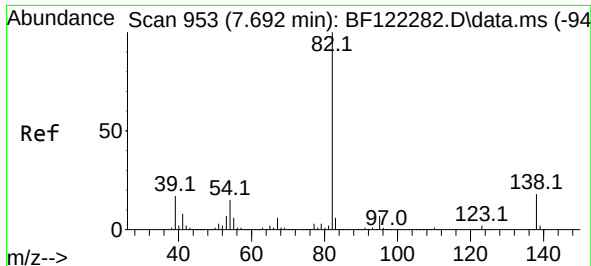


#23
Nitrobenzene-d5
Concen: 75.53 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.011 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Tgt Ion: 82 Resp: 1250543

Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.0	52.4
54	51.1	43.9	65.9

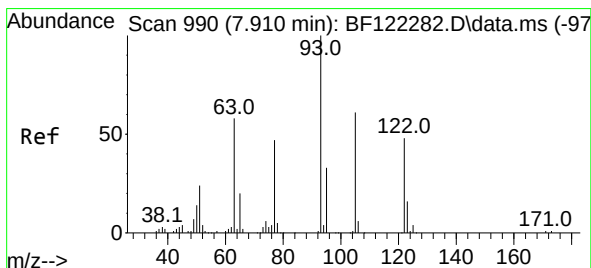
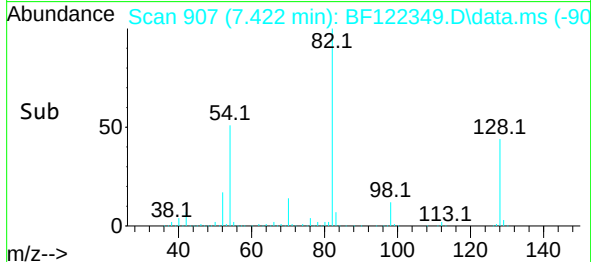
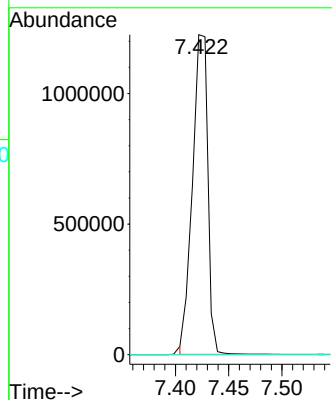
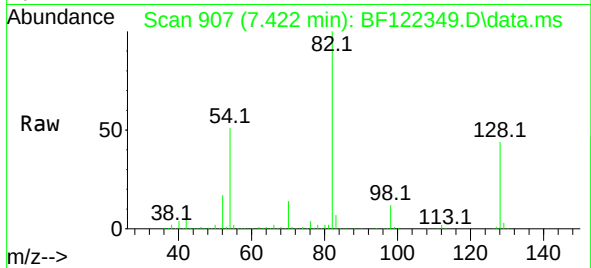




#25
Isophorone
Concen: 33.36 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.270 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

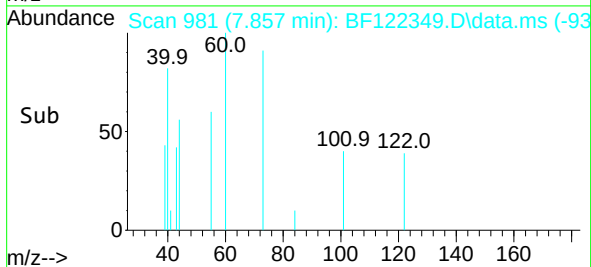
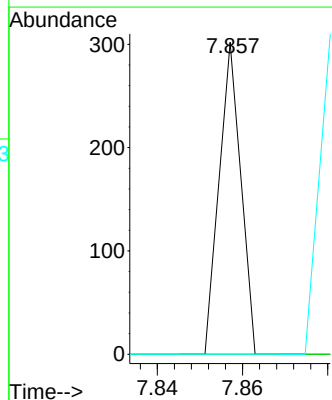
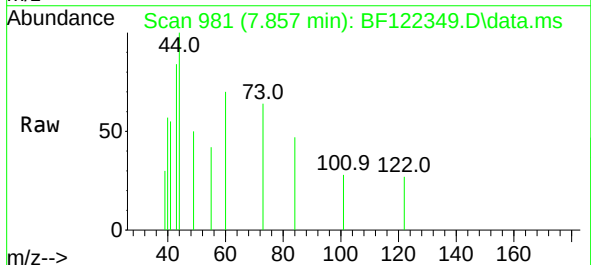
Instrument :
BNA_F
ClientSampleId :
RBR-31

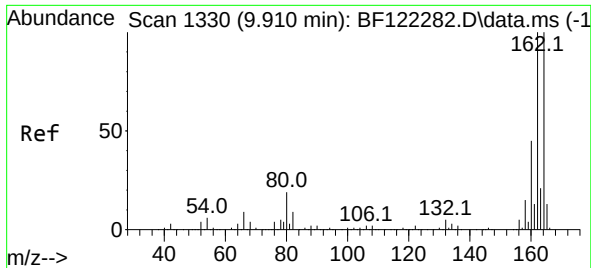
Tgt Ion: 82 Resp: 1231440
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 7.97 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.053 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Tgt Ion:122 Resp: 107
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 73.9 113.9#

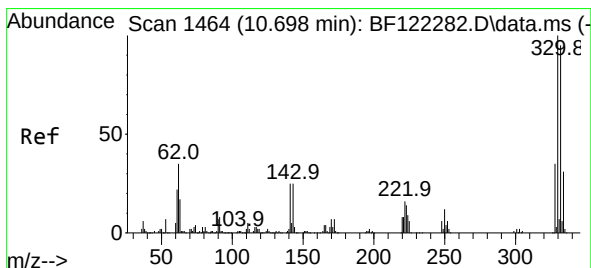
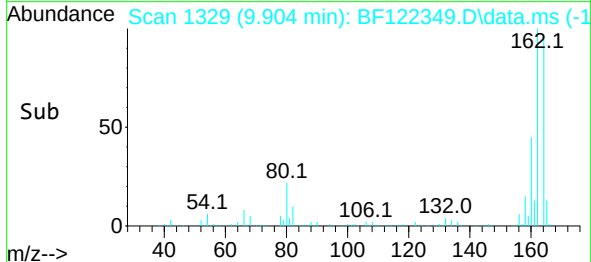
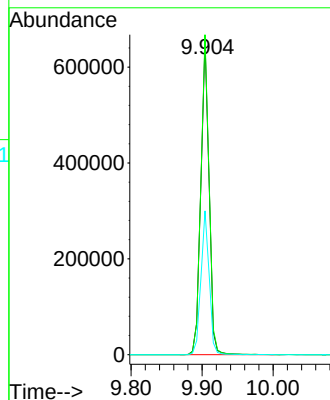
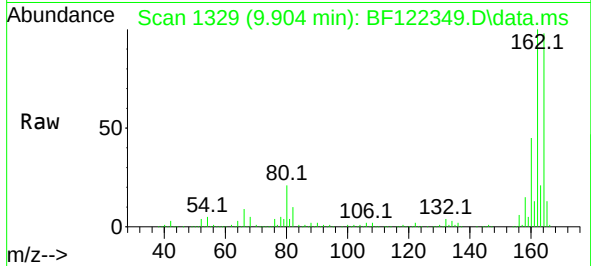




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

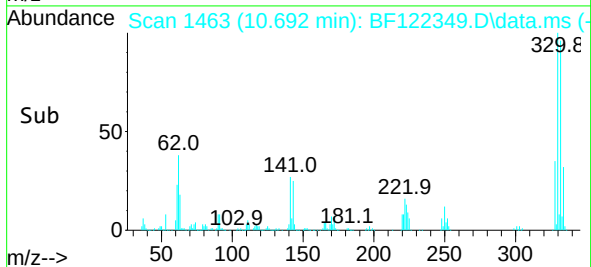
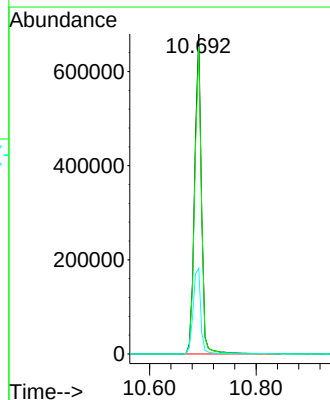
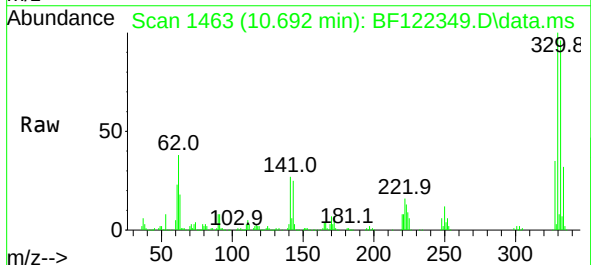
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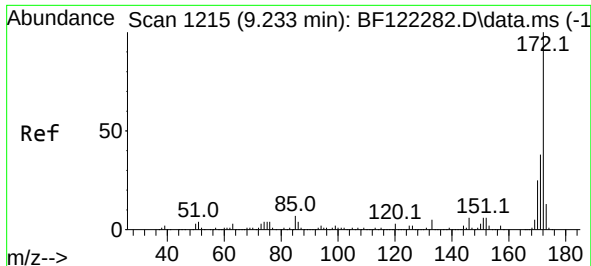
Tgt Ion:164 Resp: 532697
Ion Ratio Lower Upper
164 100
162 101.7 83.2 124.8
160 45.8 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 105.82 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Tgt Ion:330 Resp: 604987
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 30.2 22.3 33.5

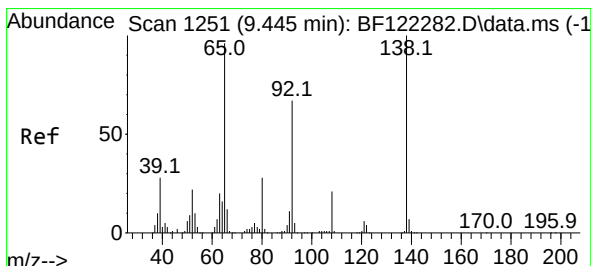
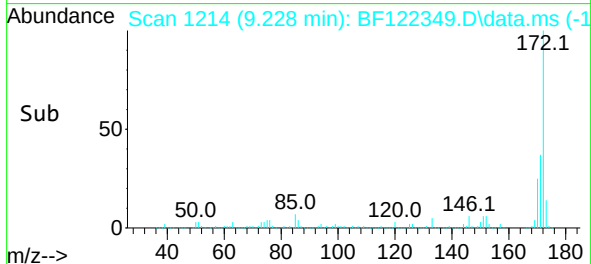
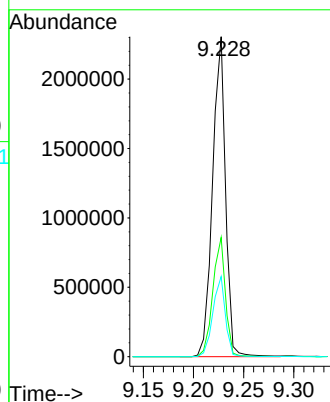
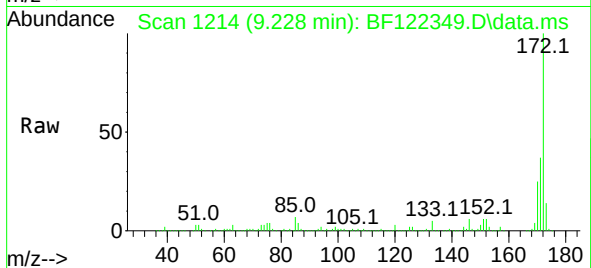




#45
2-Fluorobiphenyl
Concen: 60.72 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

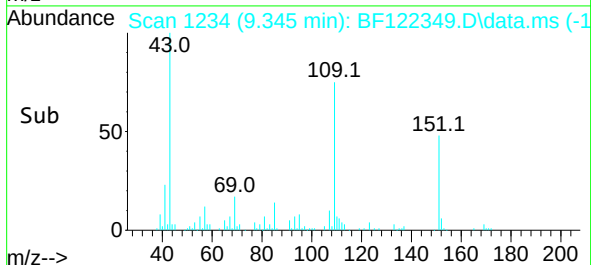
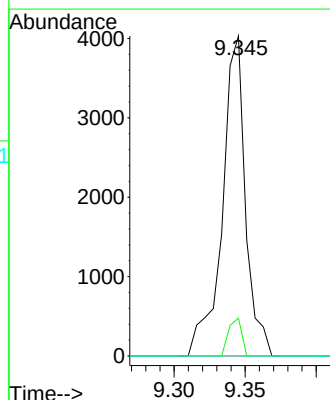
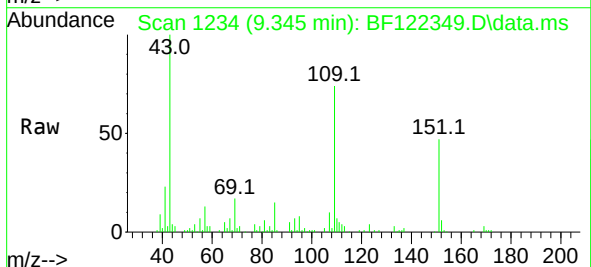
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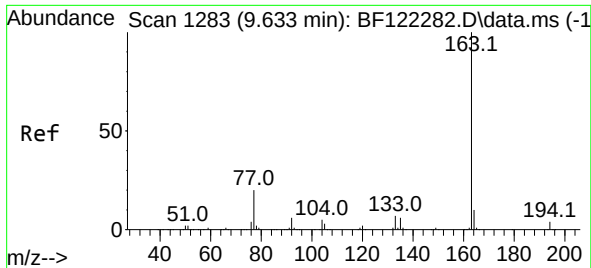
Tgt Ion:172 Resp: 2070020
Ion Ratio Lower Upper
172 100
171 37.3 29.1 43.7
170 25.0 19.8 29.6



#48
2-Nitroaniline
Concen: 5.58 ng
RT: 9.345 min Scan# 1234
Delta R.T. -0.100 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Tgt Ion: 65 Resp: 4587
Ion Ratio Lower Upper
65 100
92 11.9 55.1 82.7#
138 0.0 80.5 120.7#

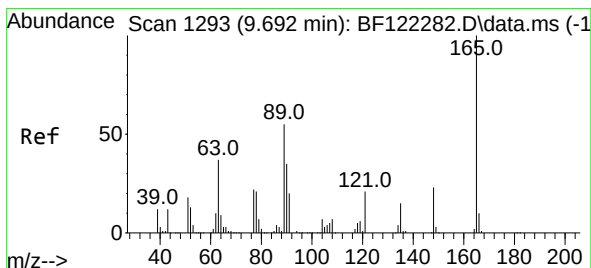
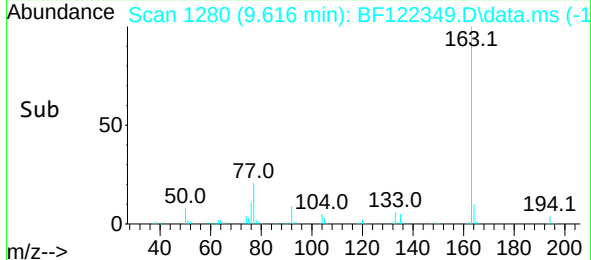
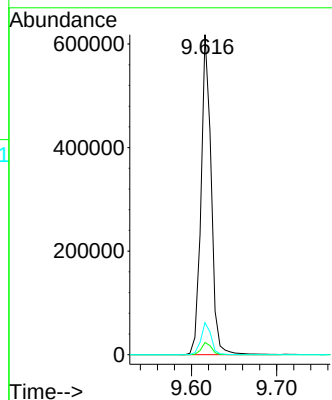
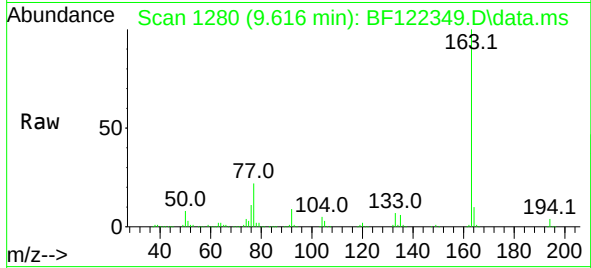




#50
Dimethylphthalate
Concen: 13.50 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

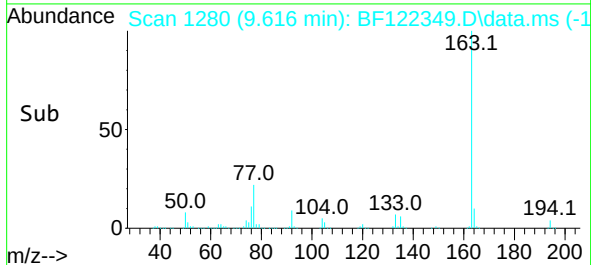
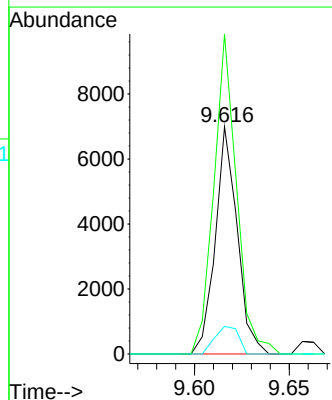
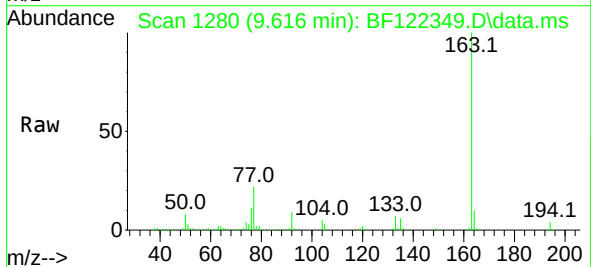
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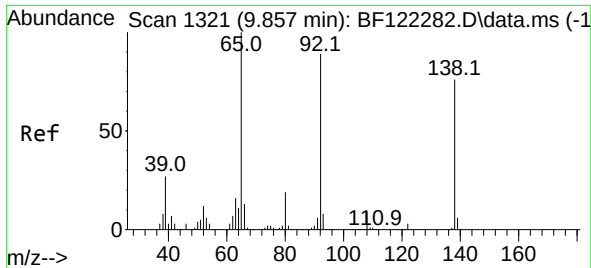
Tgt Ion:163 Resp: 511100
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.0 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 4.43 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.076 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Tgt Ion:165 Resp: 5640
Ion Ratio Lower Upper
165 100
63 140.8 51.8 77.6#
89 12.1 49.0 73.6#

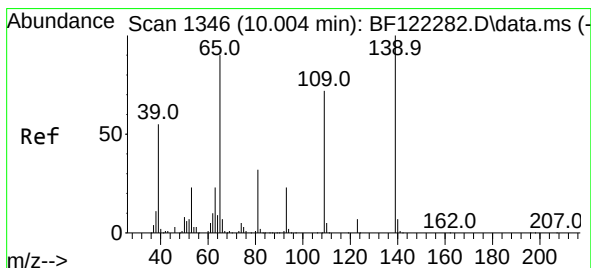
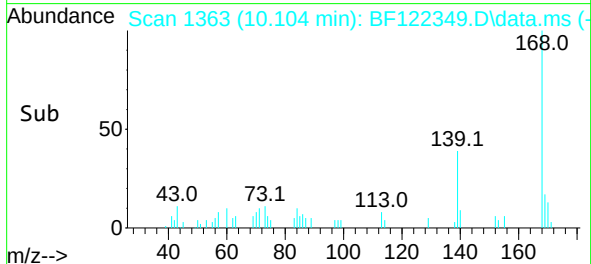
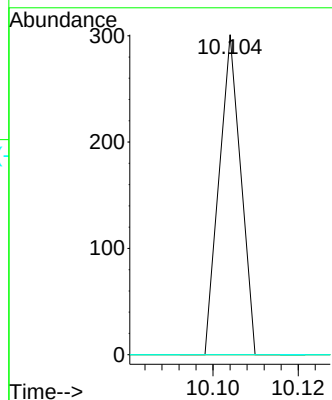
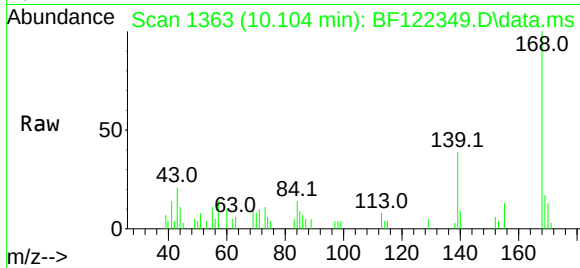




#53
3-Nitroaniline
Concen: 3.57 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.247 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

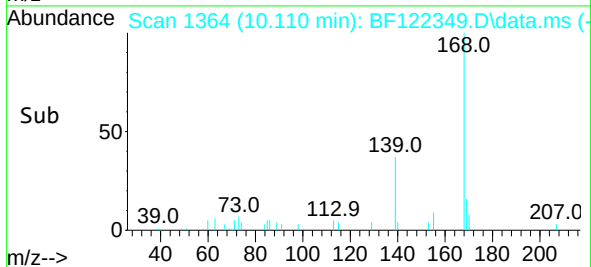
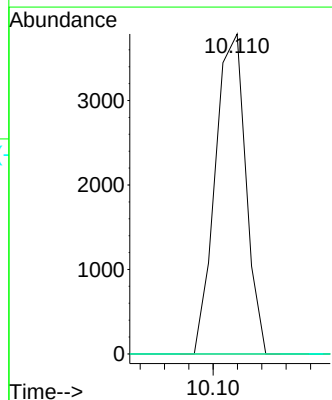
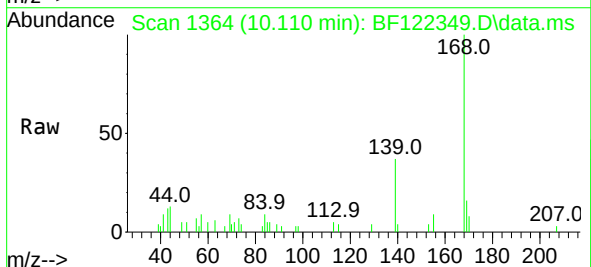
Instrument :
BNA_F
ClientSampleId :
RBR-31

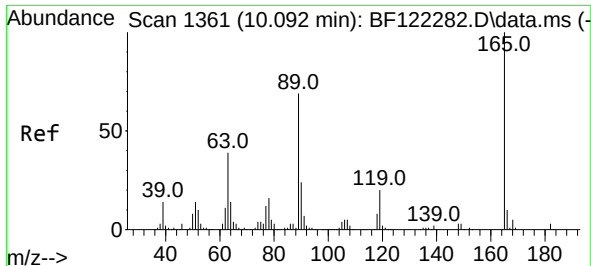
Tgt Ion:138 Resp: 106
Ion Ratio Lower Upper
138 100
108 0.0 8.6 13.0#
92 0.0 96.6 144.8#



#56
4-Nitrophenol
Concen: 5.78 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.106 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

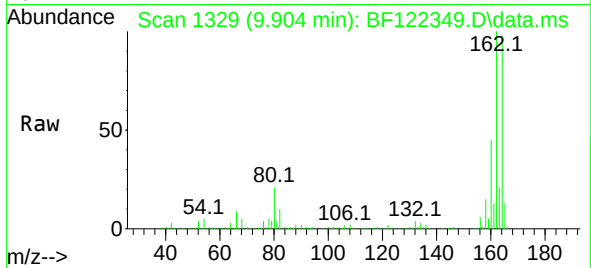
Tgt Ion:139 Resp: 3301
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



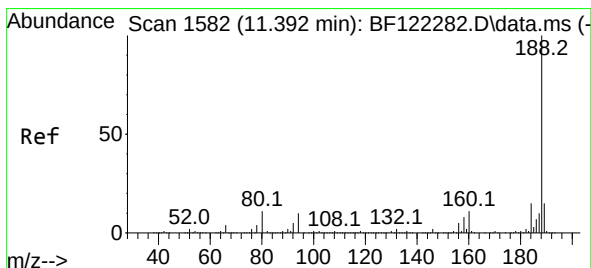
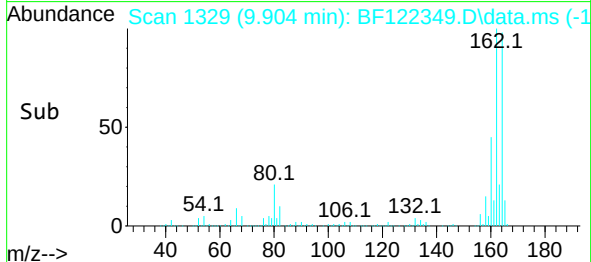
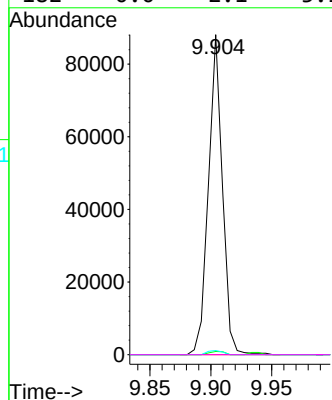


#57
2,4-Dinitrotoluene
Concen: 10.69 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Instrument :
BNA_F
ClientSampled :
RBR-31

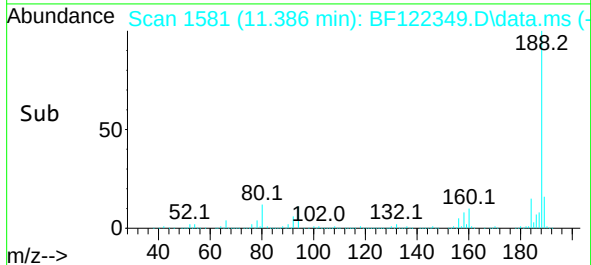
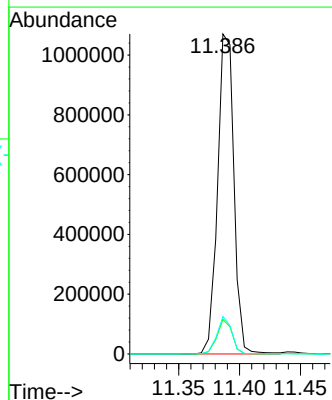
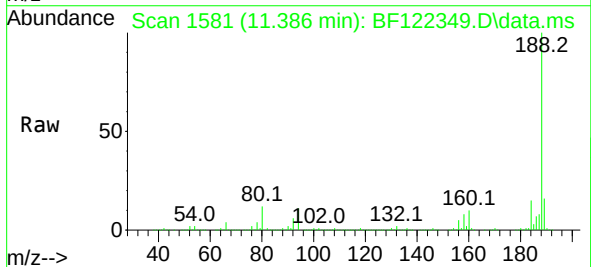


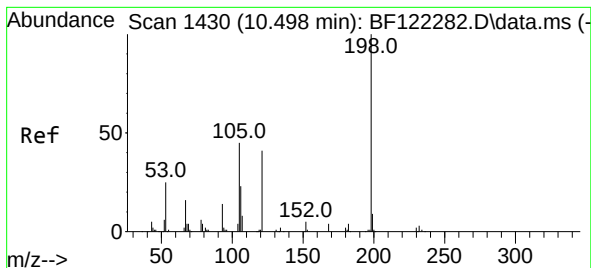
Tgt Ion:165 Resp: 70291
Ion Ratio Lower Upper
165 100
63 1.0 41.3 61.9#
89 1.3 61.8 92.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Tgt Ion:188 Resp: 1003087
Ion Ratio Lower Upper
188 100
94 10.8 8.3 12.5
80 11.7 9.1 13.7

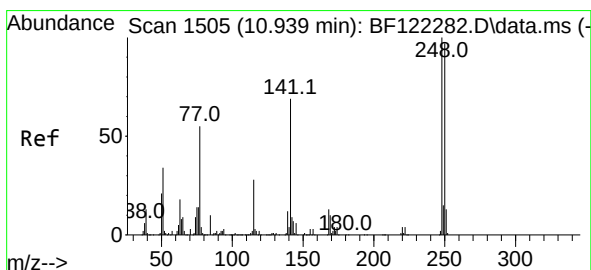
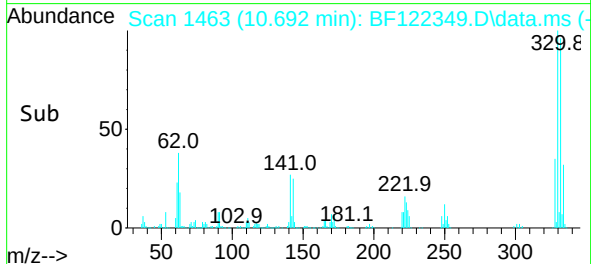
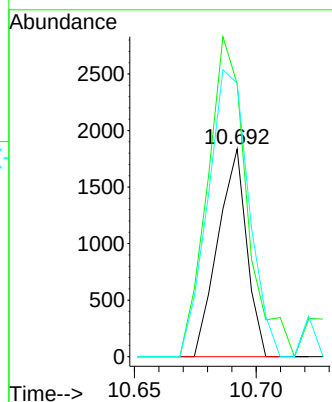
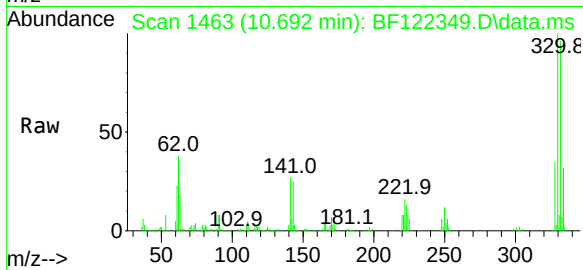




#65
4,6-Dinitro-2-methylphenol
Concen: 6.59 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.194 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

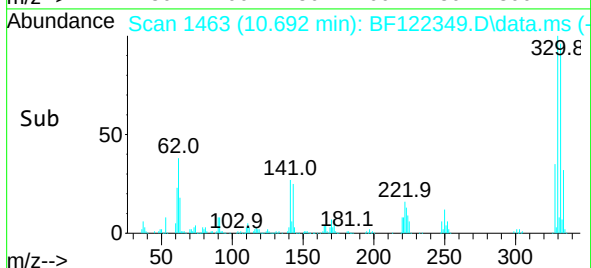
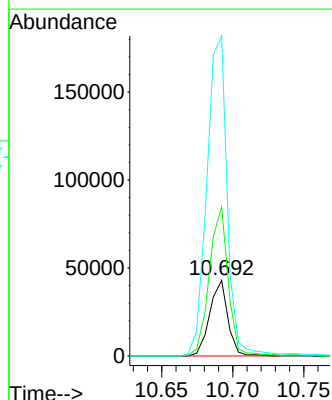
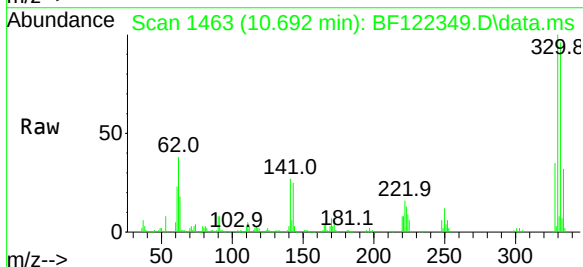
Instrument :
BNA_F
ClientSampleId :
RBR-31

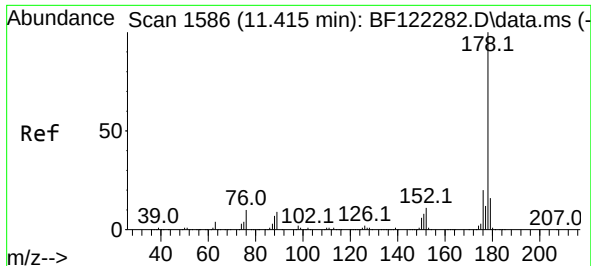
Tgt Ion:198 Resp: 1509
Ion Ratio Lower Upper
198 100
51 131.4 29.6 69.6#
105 131.6 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 3.23 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Tgt Ion:248 Resp: 38101
Ion Ratio Lower Upper
248 100
250 197.4 77.0 115.6#
141 423.6 53.7 80.5#

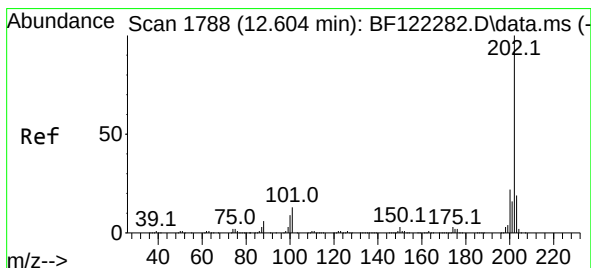
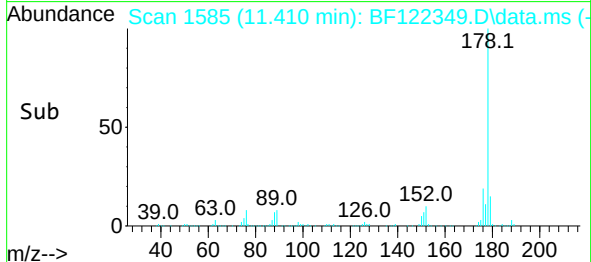
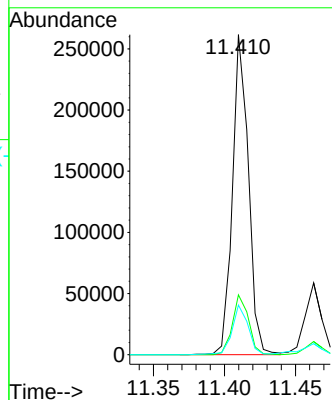
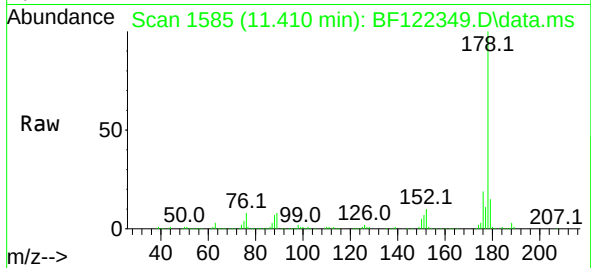




#71
Phenanthrene
Concen: 3.60 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

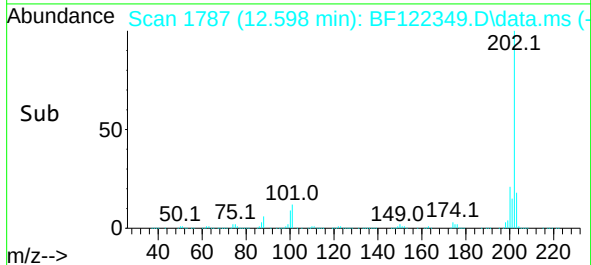
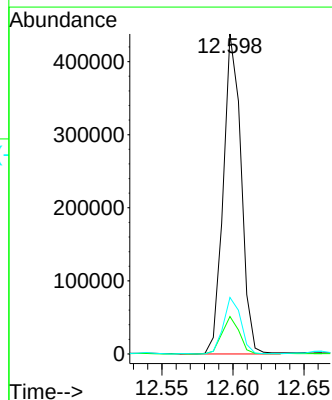
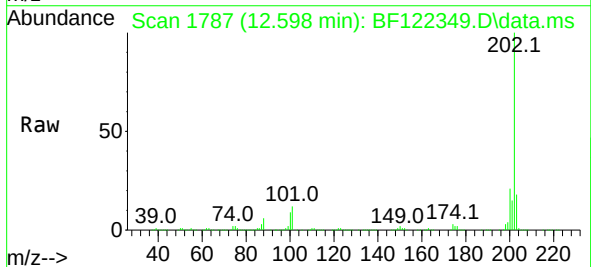
Instrument :
BNA_F
ClientSampleId :
RBR-31

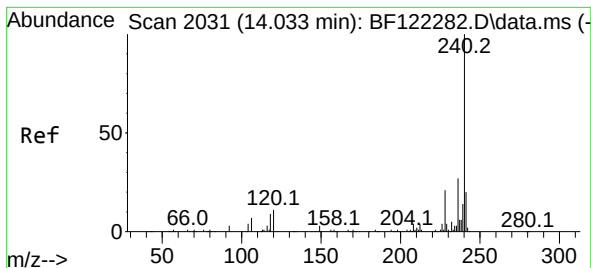
Tgt Ion:178 Resp: 205105
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 15.5 12.2 18.4



#75
Fluoranthene
Concen: 6.42 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Tgt Ion:202 Resp: 381306
Ion Ratio Lower Upper
202 100
101 11.7 0.0 33.4
203 17.6 0.0 37.9

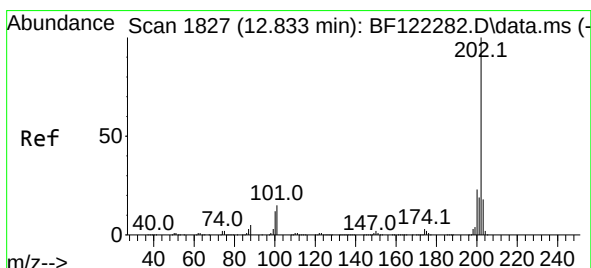
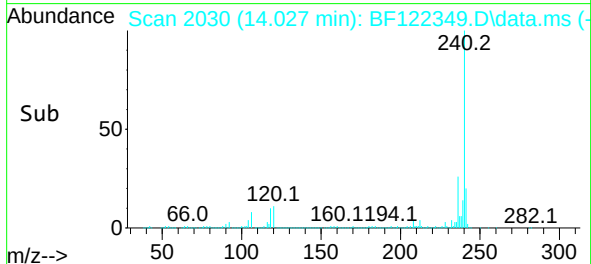
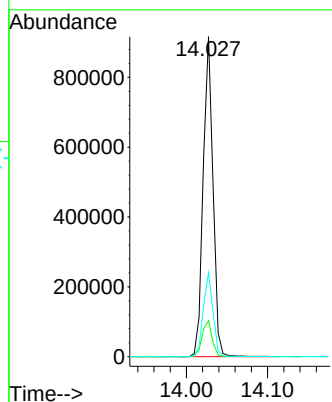
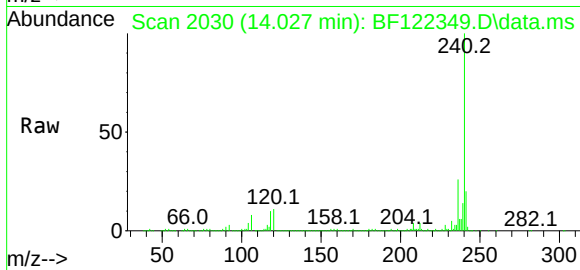




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

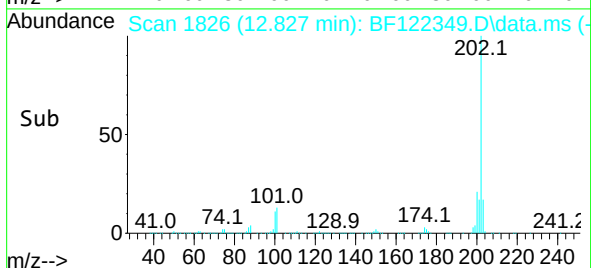
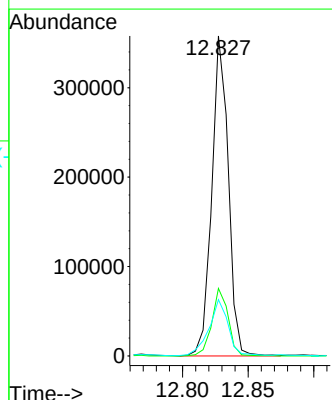
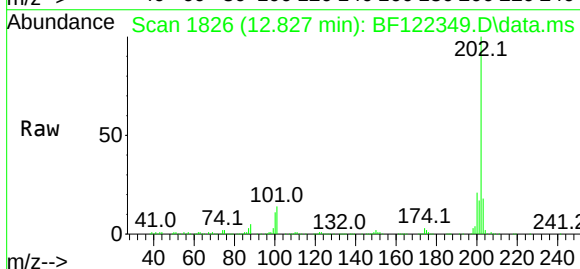
Instrument :
BNA_F
ClientSampleId :
RBR-31

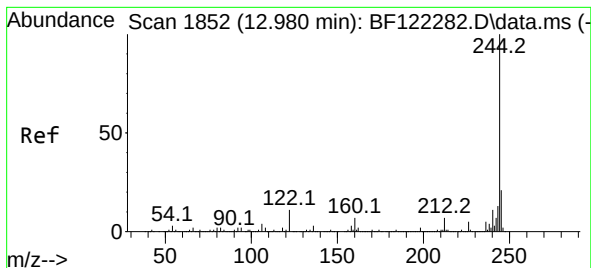
Tgt Ion:240 Resp: 769855
Ion Ratio Lower Upper
240 100
120 11.3 9.2 13.8
236 26.2 20.9 31.3



#78
Pyrene
Concen: 5.81 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Tgt Ion:202 Resp: 314168
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 17.6 14.6 21.8





#79

Terphenyl-d14

Concen: 63.04 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF122349.D

Acq: 17 Nov 2020 16:49

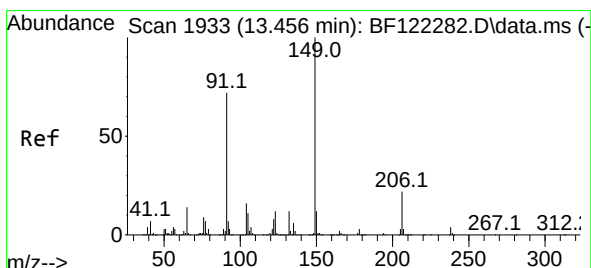
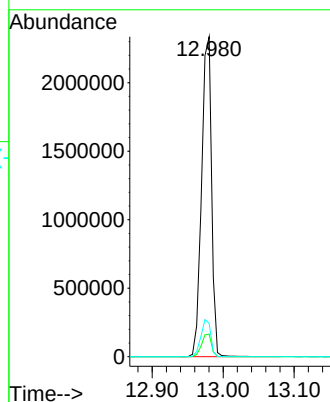
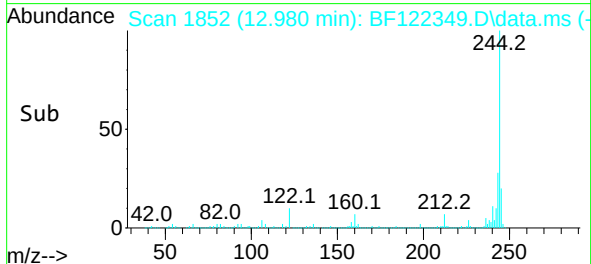
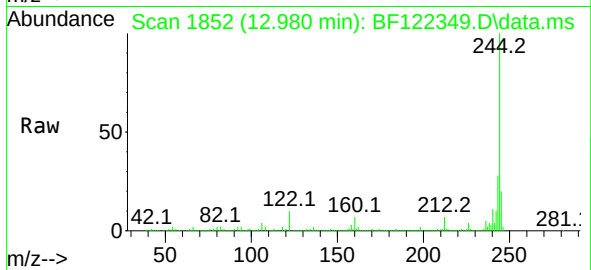
Tgt Ion:244 Resp: 2290895

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 10.4 8.1 12.1



#80

Butylbenzylphthalate

Concen: 3.33 ng

RT: 13.445 min Scan# 1931

Delta R.T. -0.011 min

Lab File: BF122349.D

Acq: 17 Nov 2020 16:49

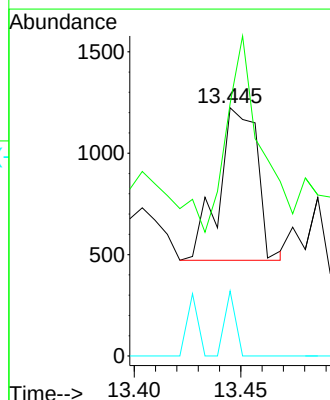
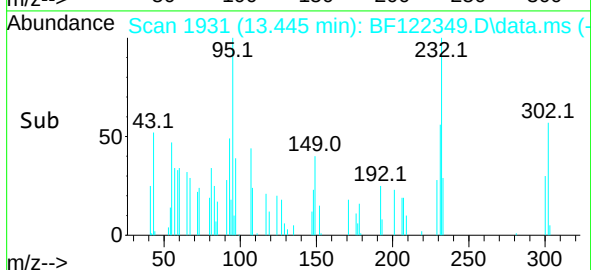
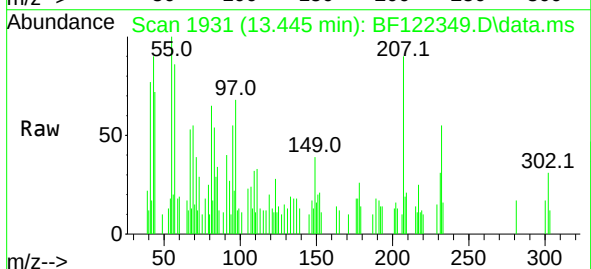
Tgt Ion:149 Resp: 942

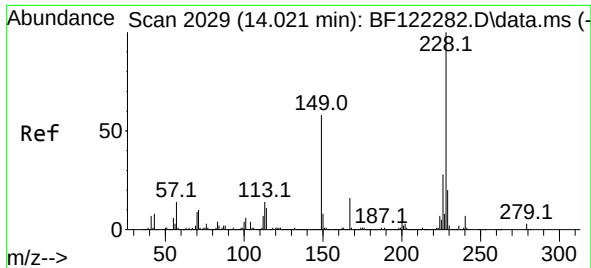
Ion Ratio Lower Upper

149 100

91 101.6 61.0 91.4#

206 26.2 16.7 25.1#

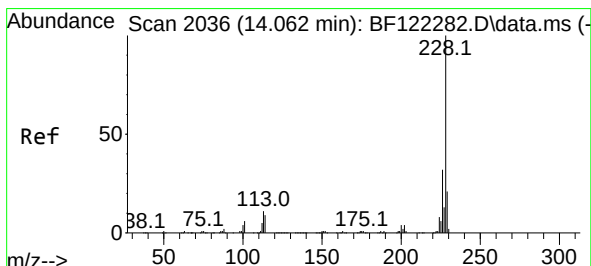
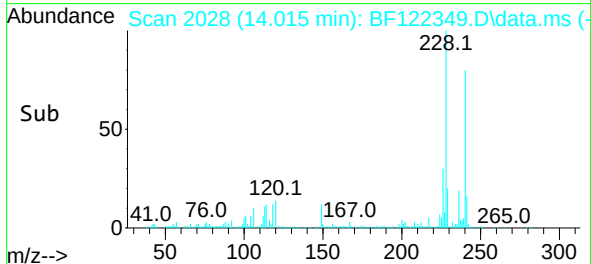
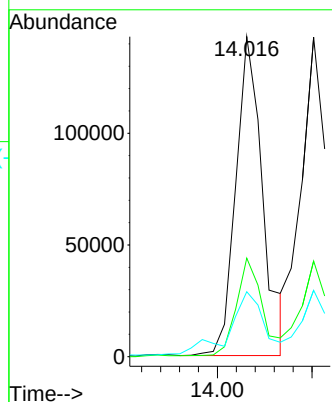
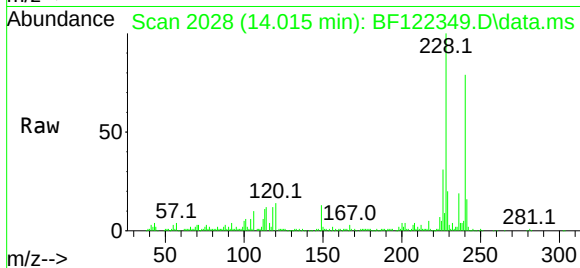




#81
Benzo(a)anthracene
Concen: 2.93 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

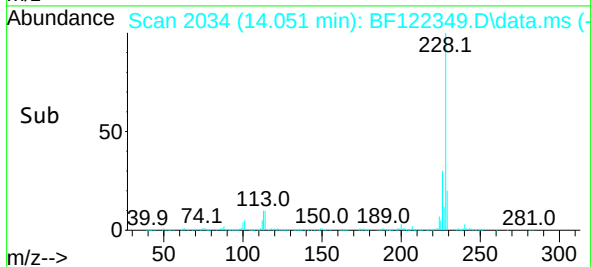
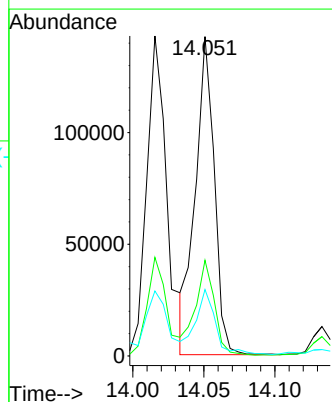
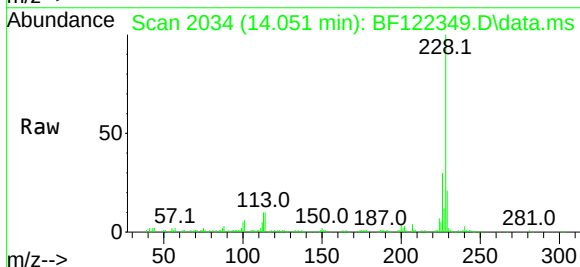
Instrument :
BNA_F
ClientSampleId :
RBR-31

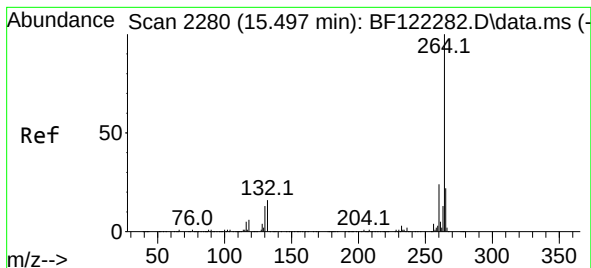
Tgt Ion:228 Resp: 140407
Ion Ratio Lower Upper
228 100
226 30.8 22.3 33.5
229 20.3 16.2 24.4



#83
Chrysene
Concen: 2.75 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.011 min
Lab File: BF122349.D
Acq: 17 Nov 2020 16:49

Tgt Ion:228 Resp: 132476
Ion Ratio Lower Upper
228 100
226 30.0 24.6 37.0
229 20.8 15.9 23.9





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.000 min

Lab File: BF122349.D

Acq: 17 Nov 2020 16:49

Tgt Ion:264 Resp: 774610

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

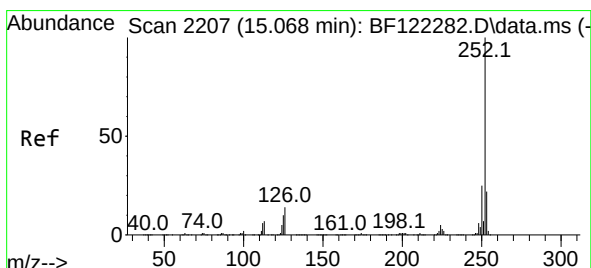
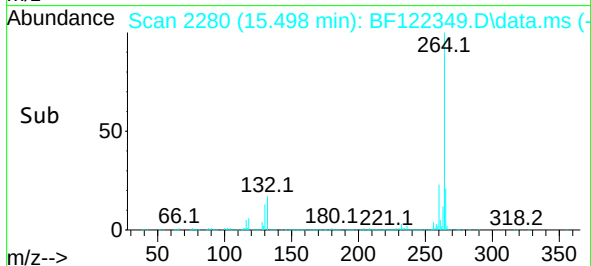
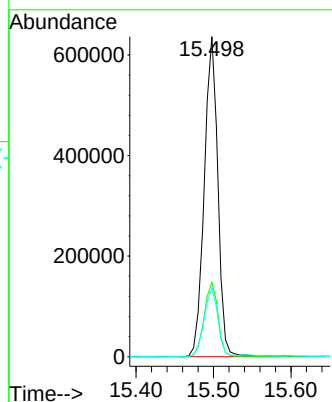
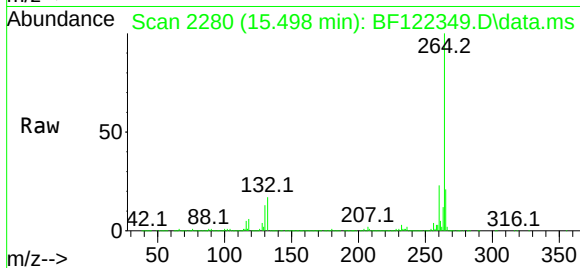
265 21.4 17.3 25.9

Instrument :

BNA_F

ClientSampleId :

RBR-31



#88

Benzo(b)fluoranthene

Concen: 4.44 ng

RT: 15.068 min Scan# 2207

Delta R.T. 0.000 min

Lab File: BF122349.D

Acq: 17 Nov 2020 16:49

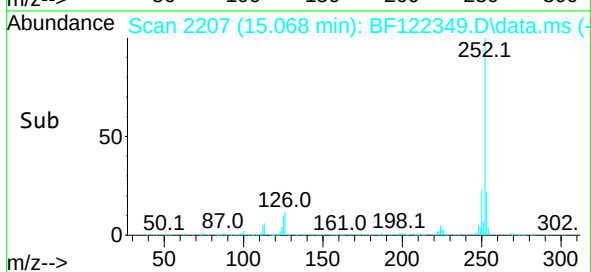
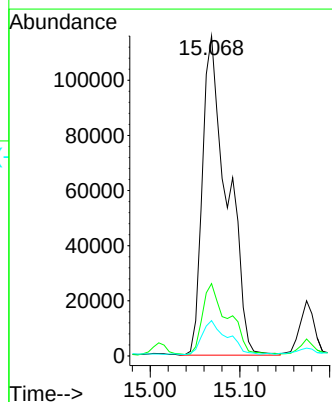
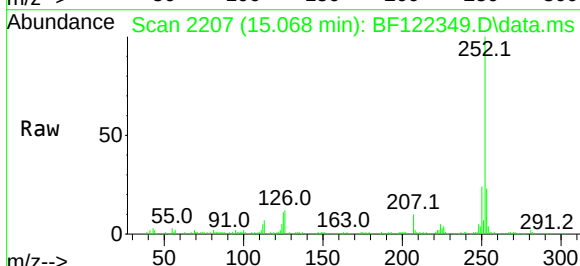
Tgt Ion:252 Resp: 222579

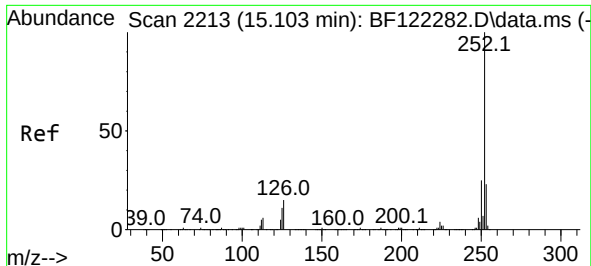
Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

125 11.0 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 4.55 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.035 min

Lab File: BF122349.D

Acq: 17 Nov 2020 16:49

Tgt Ion:252 Resp: 222579

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

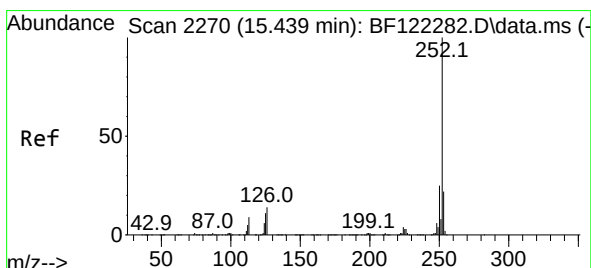
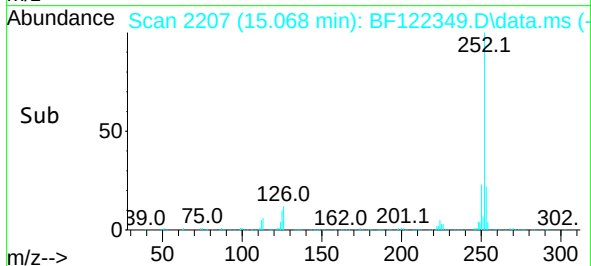
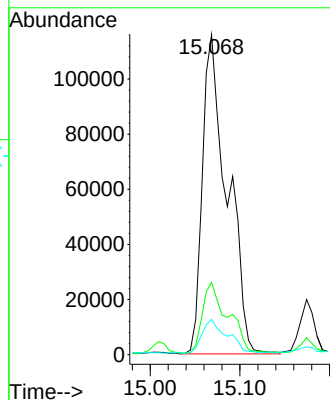
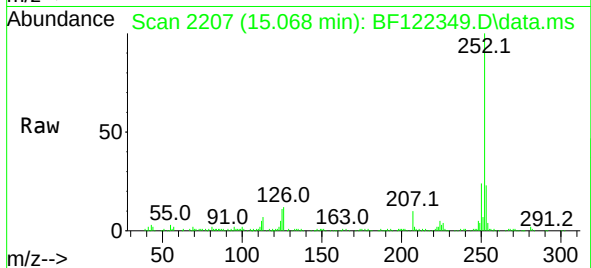
125 11.0 7.7 11.5

Instrument :

BNA_F

ClientSampleId :

RBR-31



#90

Benzo(a)pyrene

Concen: 2.50 ng

RT: 15.433 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF122349.D

Acq: 17 Nov 2020 16:49

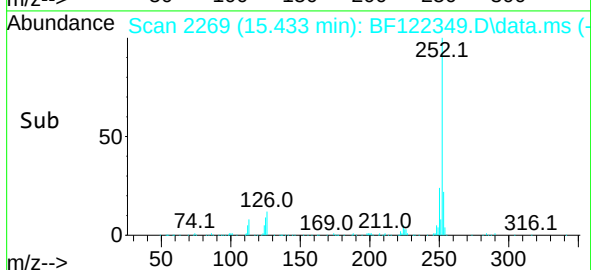
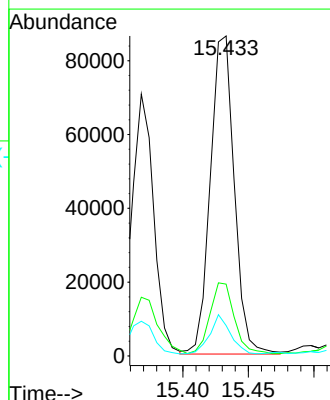
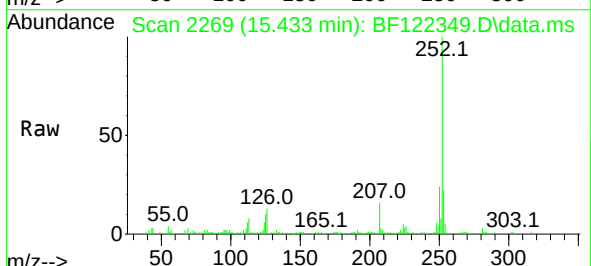
Tgt Ion:252 Resp: 109430

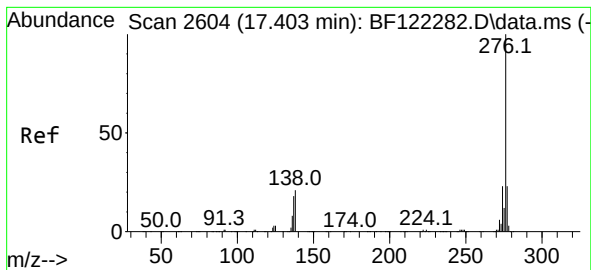
Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

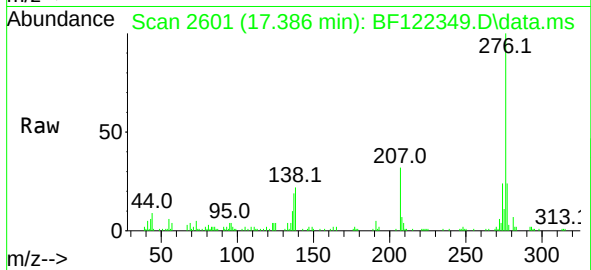
125 9.5 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 2.05 ng
 RT: 17.386 min Scan# 2601
 Delta R.T. -0.017 min
 Lab File: BF122349.D
 Acq: 17 Nov 2020 16:49

Instrument :
 BNA_F
 ClientSampleId :
 RBR-31



Tgt Ion:	276	Resp:	77537
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.4	29.2
138	21.9	17.8	26.6

