

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111320\
 Data File : BF122332.D
 Acq On : 13 Nov 2020 16:41
 Operator : JU/CG
 Sample : 4725-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-31

Quant Time: Nov 13 17:08:11 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)

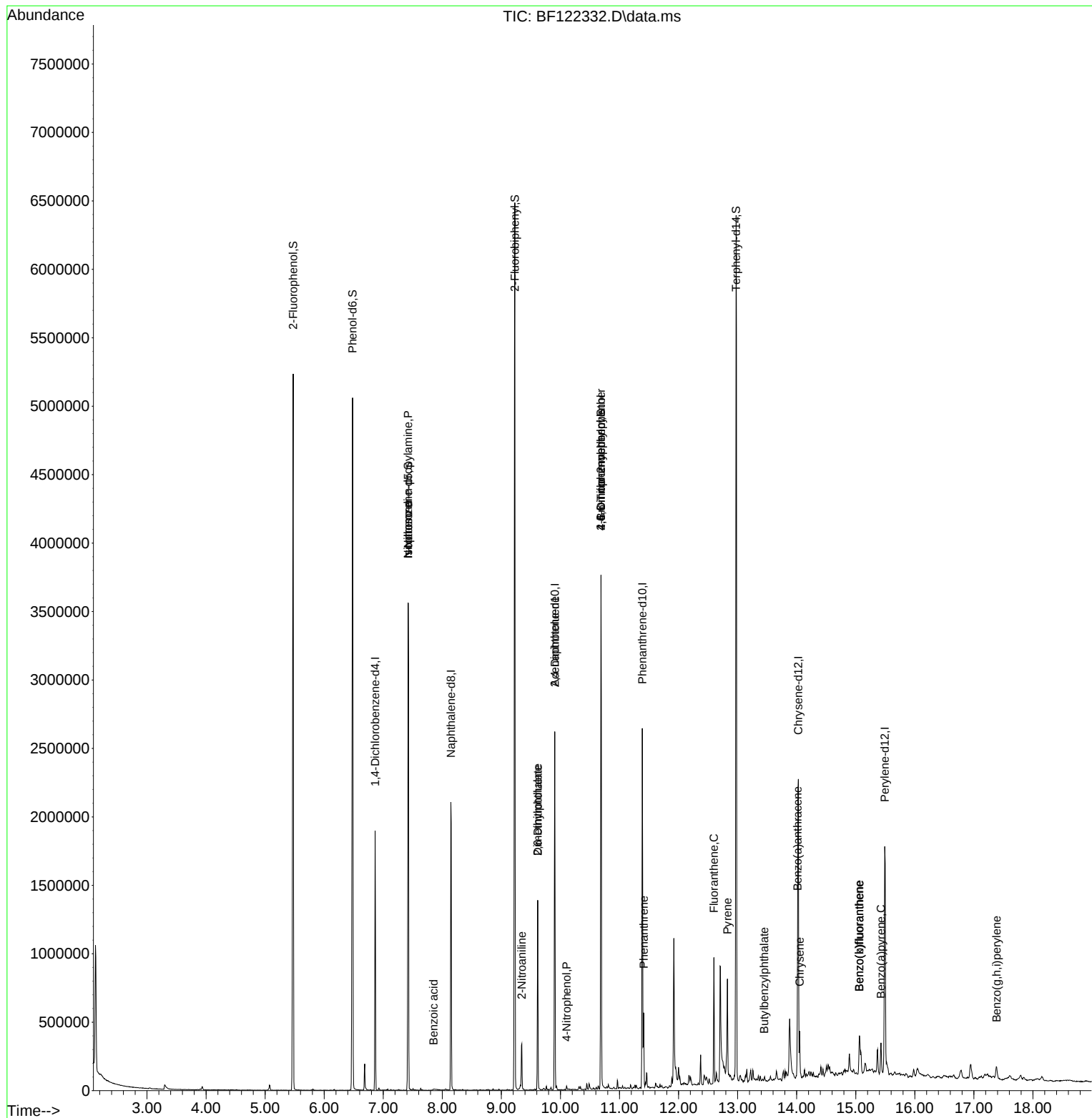
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	240909	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	919888	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	479564	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	862033	20.00	ng	0.00
76) Chrysene-d12	14.027	240	721455	20.00	ng	0.00
86) Perylene-d12	15.492	264	765357	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1448298	92.31	ng	0.00
7) Phenol-d6	6.481	99	1845263	89.90	ng	-0.01
23) Nitrobenzene-d5	7.422	82	1145858	76.26	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	442932	86.06	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1937572	63.13	ng	0.00
79) Terphenyl-d14	12.974	244	2060520	60.51	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	135	Below Cal	#	45
19) n-Nitroso-di-n-propyla...	7.422	70	155699	12.69	ng	# 77
25) Isophorone	7.422	82	1142956	34.12	ng	# 67
32) Benzoic acid	7.851	122	3741	8.32	ng	85
48) 2-Nitroaniline	9.345	65	3736	5.54	ng	# 12
50) Dimethylphthalate	9.616	163	478160	14.03	ng	99
51) 2,6-Dinitrotoluene	9.616	165	5623	4.50	ng	# 32
56) 4-Nitrophenol	10.104	139	3150	5.80	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	62600	10.62	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.686	198	1047	6.50	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	28011	2.77	ng	# 1
71) Phenanthrene	11.410	178	172404	3.52	ng	100
75) Fluoranthene	12.598	202	322630	6.32	ng	97
78) Pyrene	12.827	202	260332	5.14	ng	99
80) Butylbenzylphthalate	13.451	149	1066	3.34	ng	# 44
81) Benzo(a)anthracene	14.015	228	125129	2.79	ng	99
83) Chrysene	14.051	228	127953	2.83	ng	99
88) Benzo(b)fluoranthene	15.062	252	216872	4.38	ng	100
89) Benzo(k)fluoranthene	15.062	252	216872	4.49	ng	99
90) Benzo(a)pyrene	15.427	252	106050	2.45	ng	98
92) Benzo(g,h,i)perylene	17.386	276	77497	2.07	ng	99

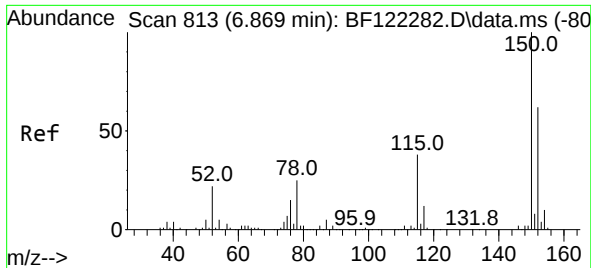
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111320\
Data File : BF122332.D
Acq On : 13 Nov 2020 16:41
Operator : JU/CG
Sample : 4725-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-31

Quant Time: Nov 13 17:08:11 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

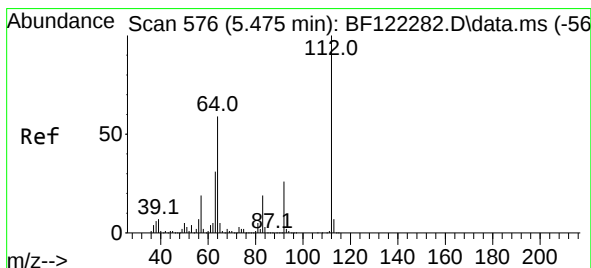
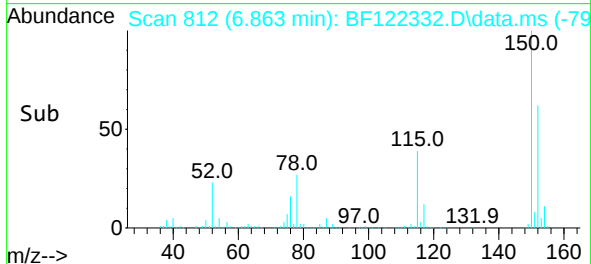
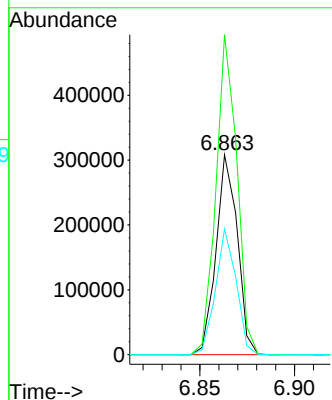
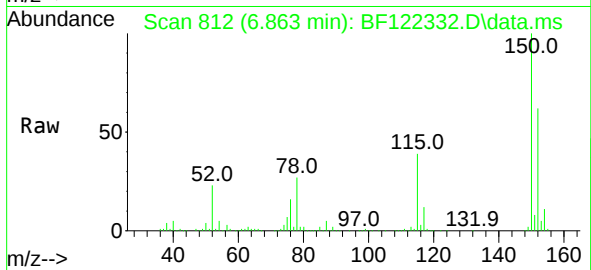




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

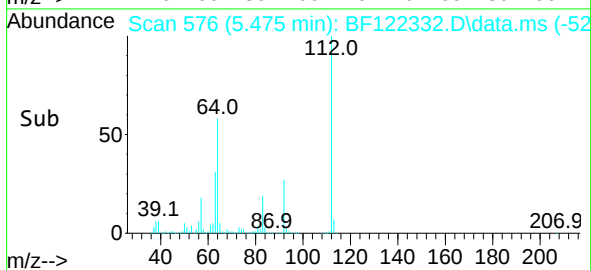
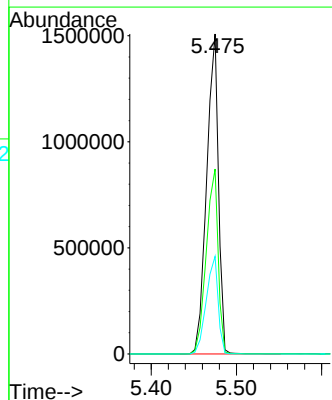
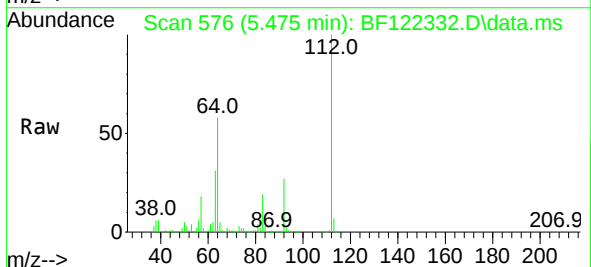
Instrument :
BNA_F
ClientSampleId :
RBR-31

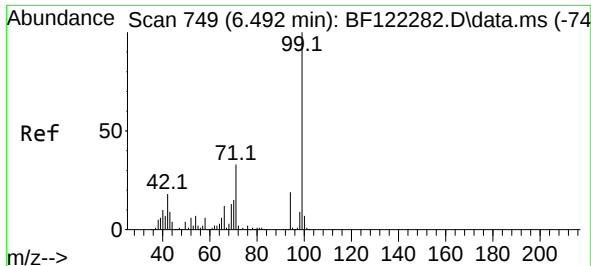
Tgt Ion:152 Resp: 240909
Ion Ratio Lower Upper
152 100
150 160.1 125.3 187.9
115 62.9 51.9 77.9



#5
2-Fluorophenol
Concen: 92.31 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion:112 Resp: 1448298
Ion Ratio Lower Upper
112 100
64 57.8 50.4 75.6
63 30.5 25.8 38.6



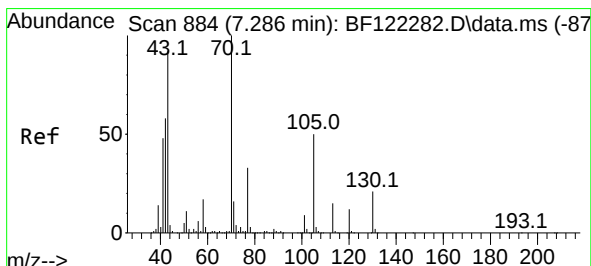
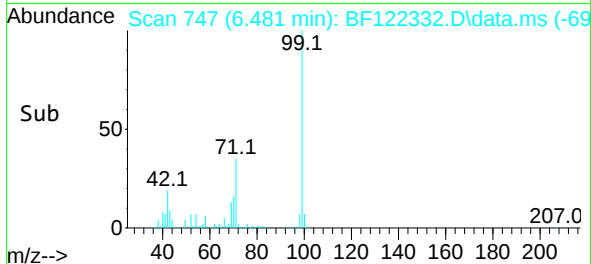
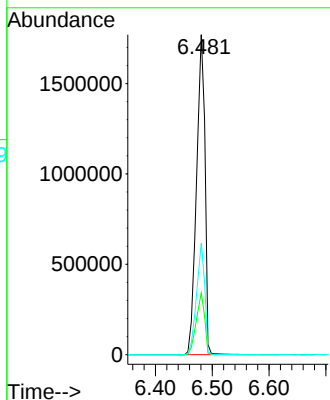
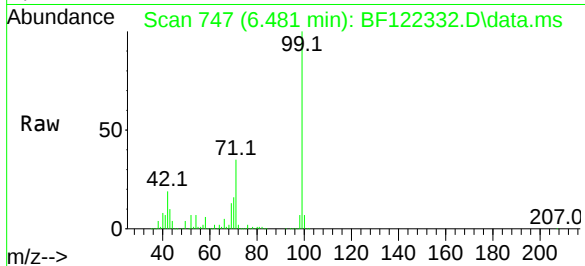


#7
Phenol-d6
Concen: 89.90 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Instrument :
BNA_F
ClientSampled :
RBR-31

Tgt Ion: 99 Resp: 1845263

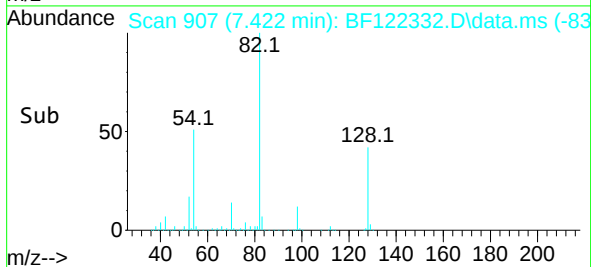
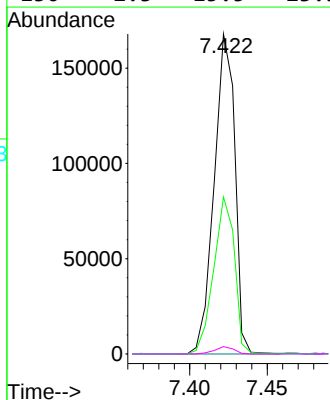
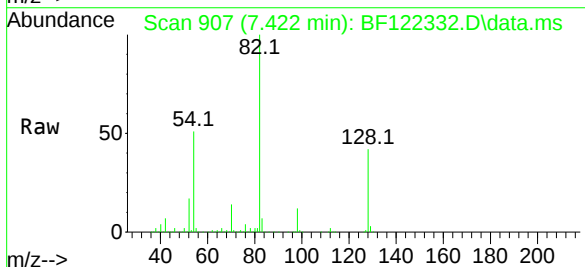
Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.9	23.9
71	34.8	27.1	40.7

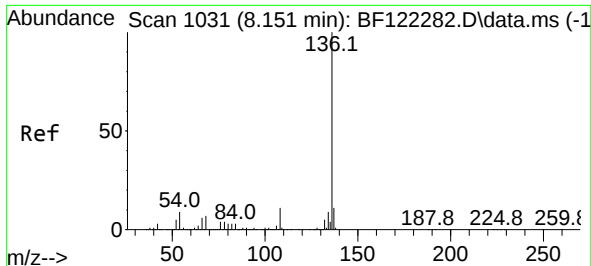


#19
n-Nitroso-di-n-propylamine
Concen: 12.69 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.136 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion: 70 Resp: 155699

Ion	Ratio	Lower	Upper
70	100		
42	49.1	50.2	75.4#
101	0.0	7.5	11.3#
130	2.3	15.5	23.3#



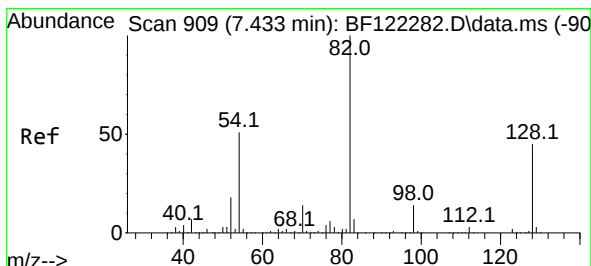
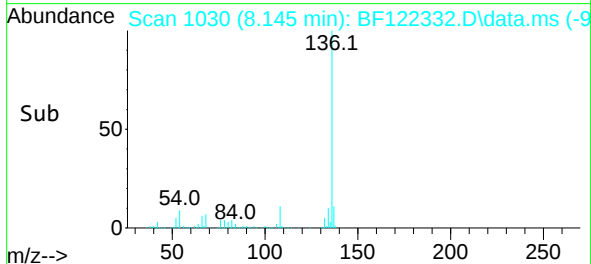
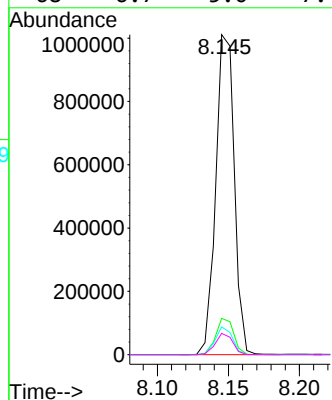
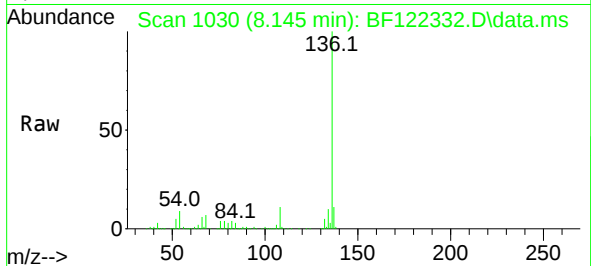


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Instrument :
BNA_F
ClientSampleId :
RBR-31

Tgt Ion:136 Resp: 919888

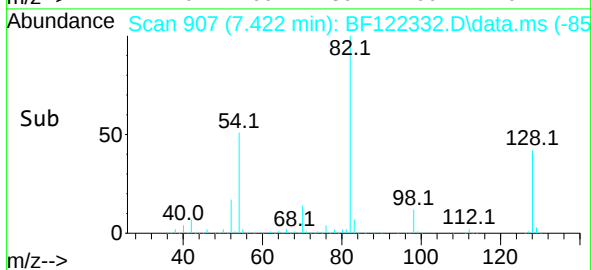
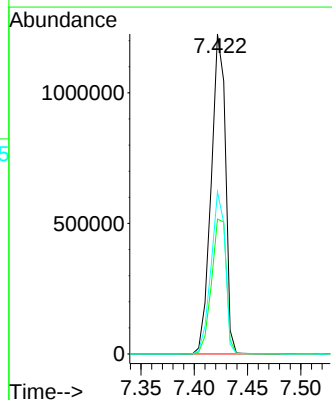
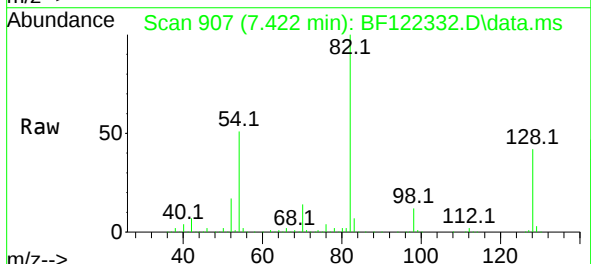
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	8.7	7.1	10.7
68	6.7	5.0	7.4

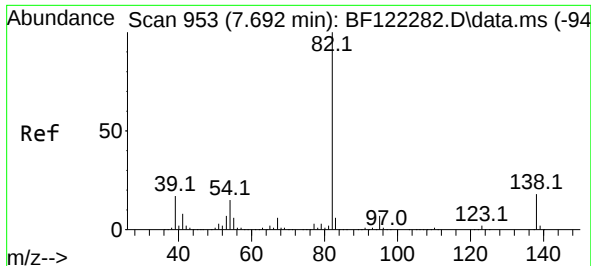


#23
Nitrobenzene-d5
Concen: 76.26 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion: 82 Resp: 1145858

Ion	Ratio	Lower	Upper
82	100		
128	42.1	35.0	52.4
54	50.7	43.9	65.9

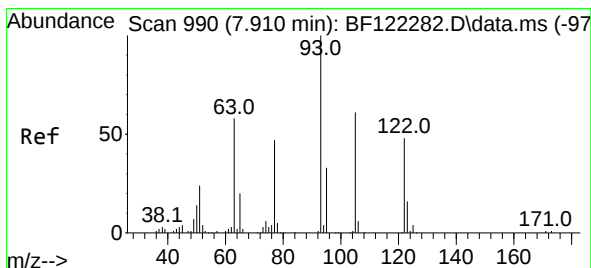
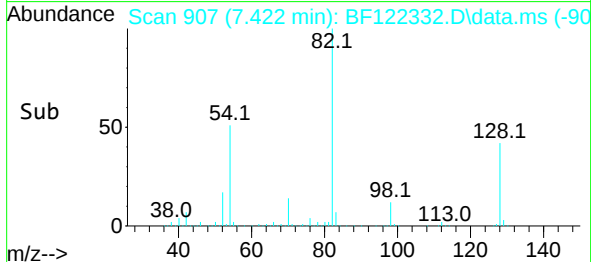
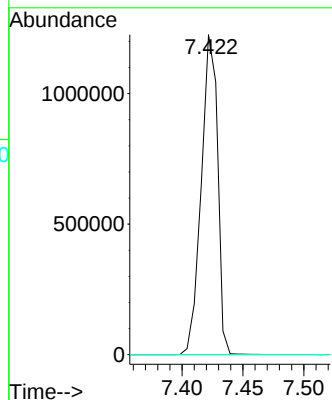
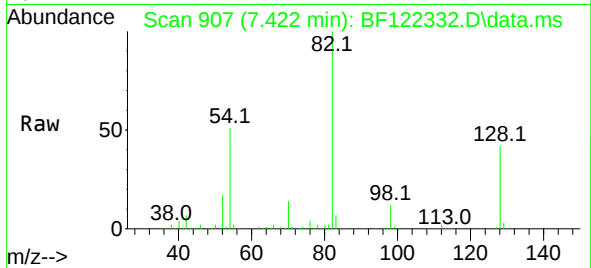




#25
Isophorone
Concen: 34.12 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.270 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

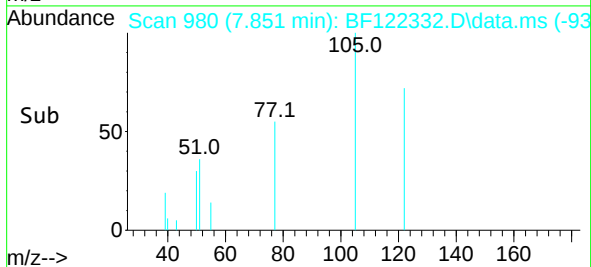
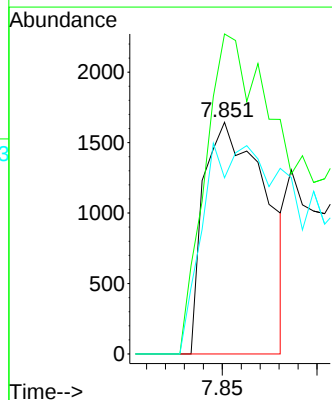
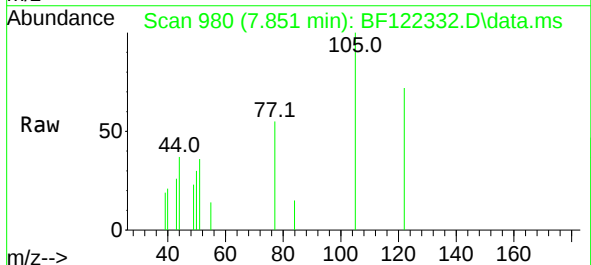
Instrument :
BNA_F
ClientSampleId :
RBR-31

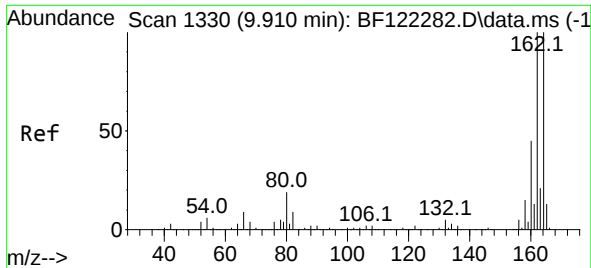
Tgt Ion: 82 Resp: 1142956
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 8.32 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.059 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion: 122 Resp: 3741
Ion Ratio Lower Upper
122 100
105 138.1 103.3 143.3
77 76.0 73.9 113.9

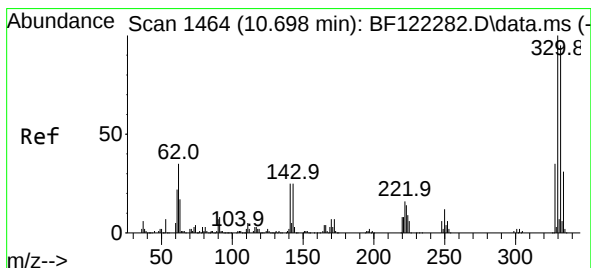
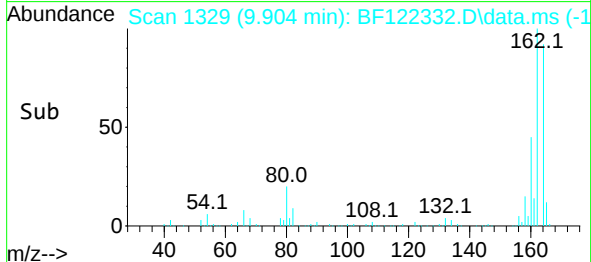
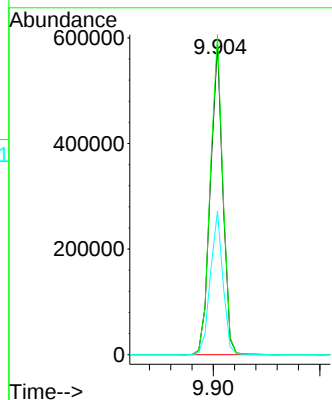
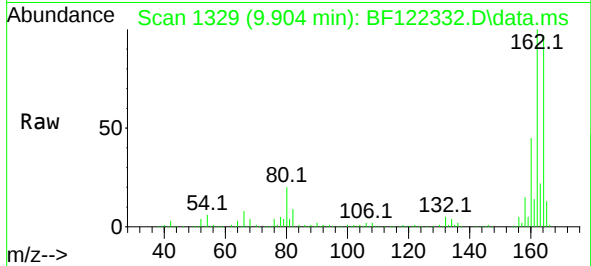




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

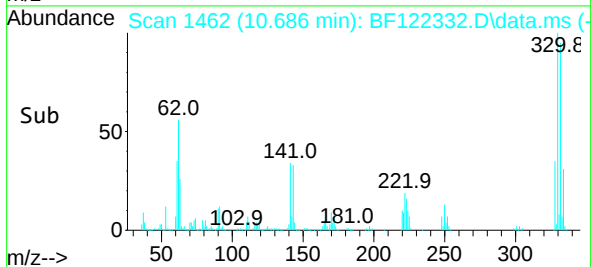
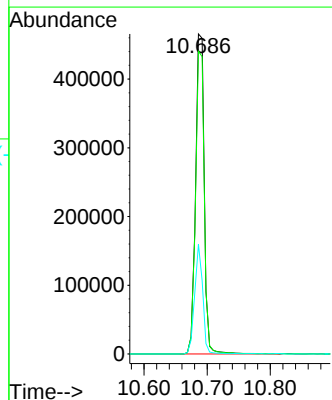
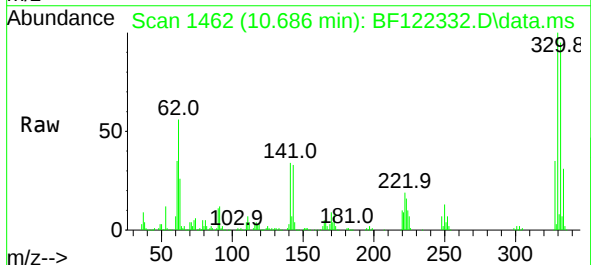
Instrument :
BNA_F
ClientSampleId :
RBR-31

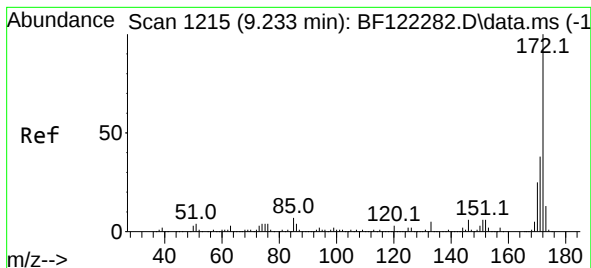
Tgt Ion:164 Resp: 479564
Ion Ratio Lower Upper
164 100
162 102.7 83.2 124.8
160 46.1 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 86.06 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.011 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion:330 Resp: 442932
Ion Ratio Lower Upper
330 100
332 95.6 77.3 115.9
141 32.0 22.3 33.5

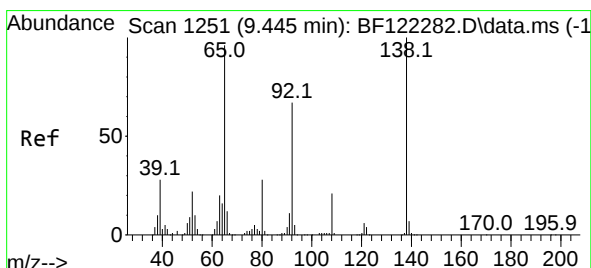
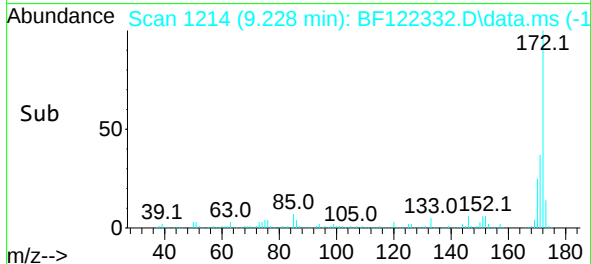
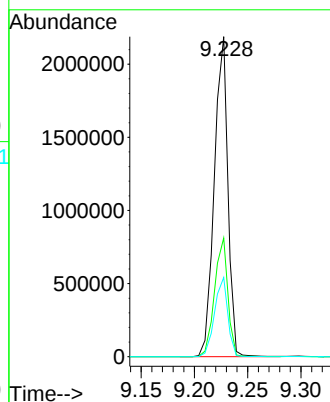
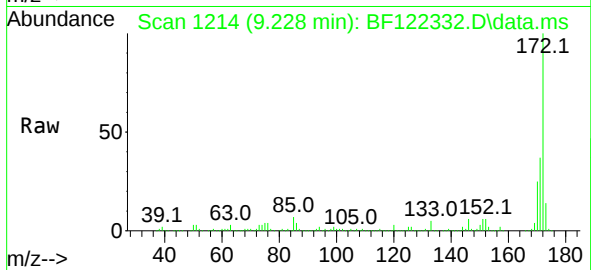




#45
2-Fluorobiphenyl
Concen: 63.13 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

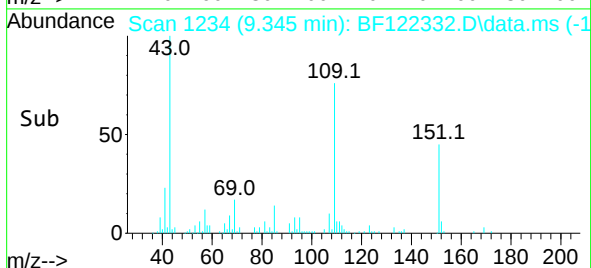
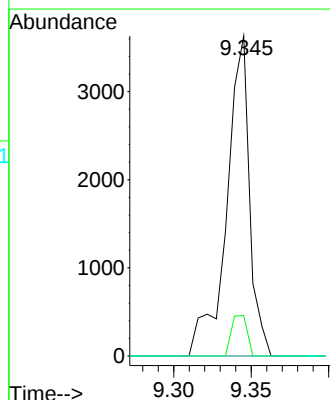
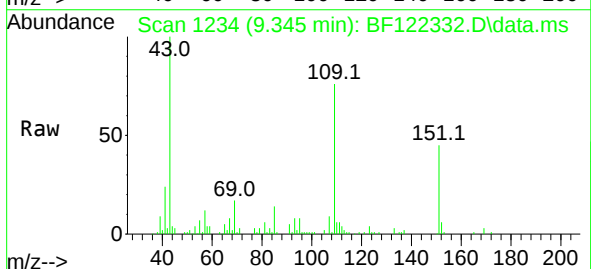
Instrument :
BNA_F
ClientSampleId :
RBR-31

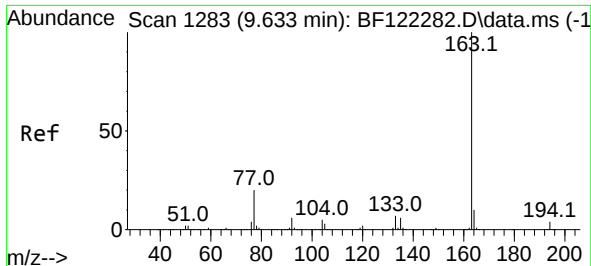
Tgt Ion:172 Resp: 1937572
Ion Ratio Lower Upper
172 100
171 37.1 29.1 43.7
170 24.7 19.8 29.6



#48
2-Nitroaniline
Concen: 5.54 ng
RT: 9.345 min Scan# 1234
Delta R.T. -0.100 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion: 65 Resp: 3736
Ion Ratio Lower Upper
65 100
92 12.7 55.1 82.7#
138 0.0 80.5 120.7#

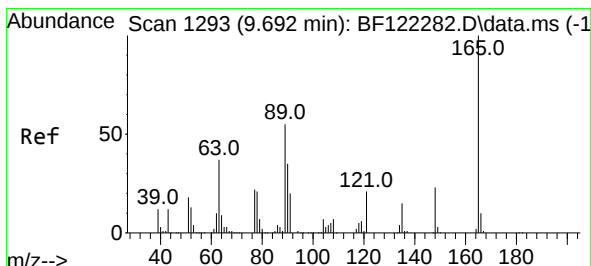
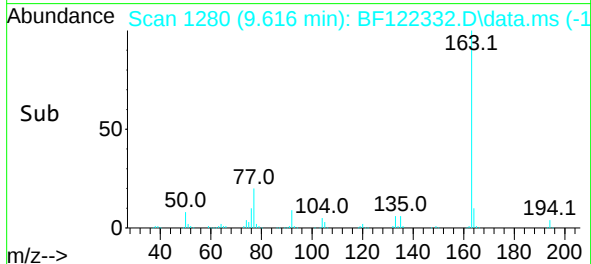
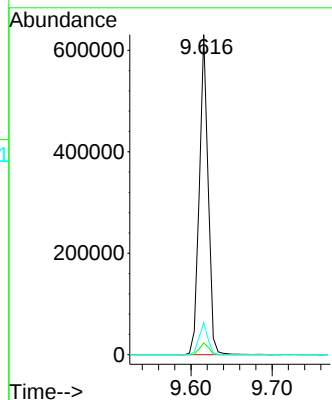
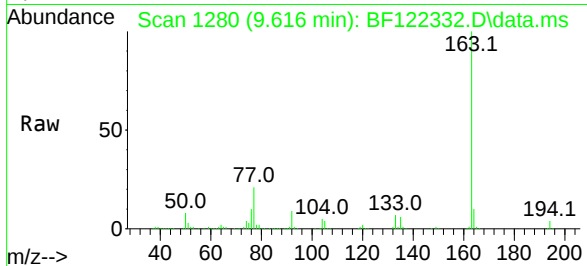




#50
Dimethylphthalate
Concen: 14.03 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

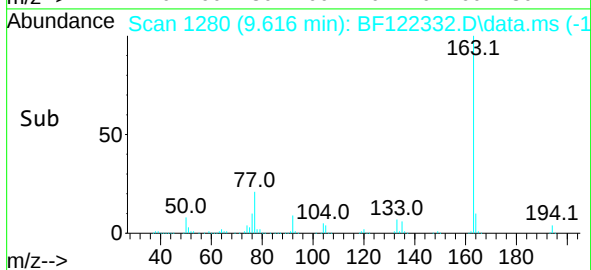
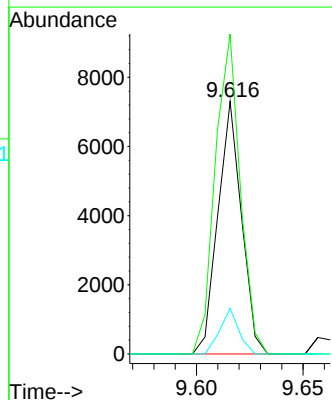
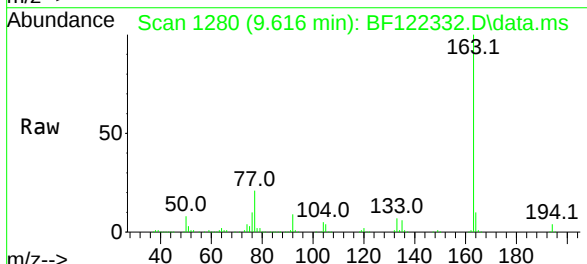
Instrument :
BNA_F
ClientSampled :
RBR-31

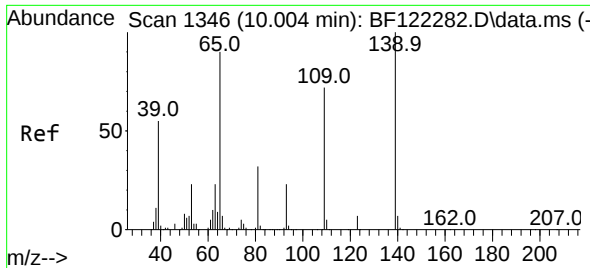
Tgt Ion:163 Resp: 478160
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.0 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 4.50 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.076 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion:165 Resp: 5623
Ion Ratio Lower Upper
165 100
63 126.7 51.8 77.6#
89 18.1 49.0 73.6#

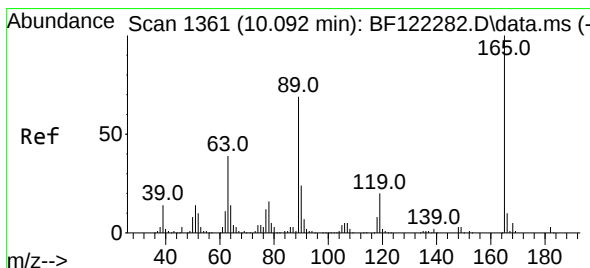
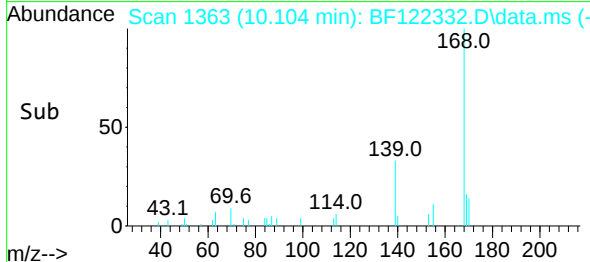
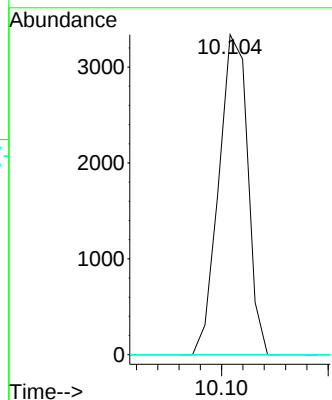
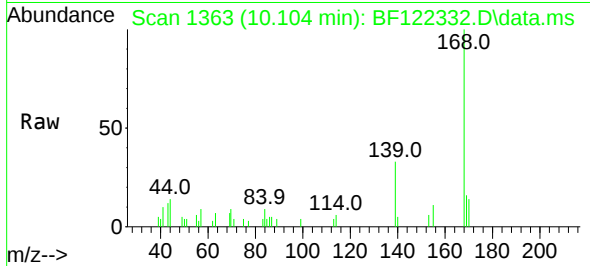




#56
4-Nitrophenol
Concen: 5.80 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.100 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

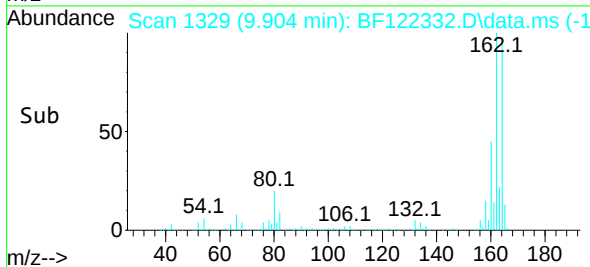
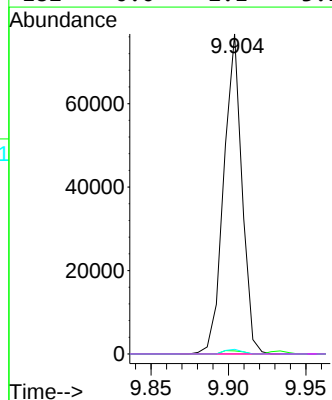
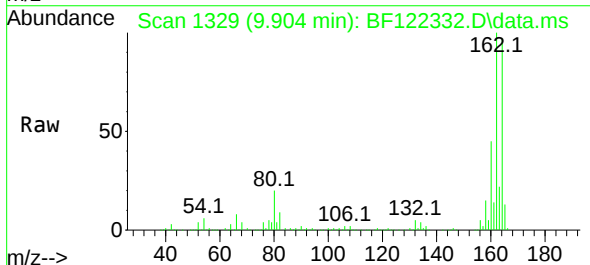
Instrument :
BNA_F
ClientSampleId :
RBR-31

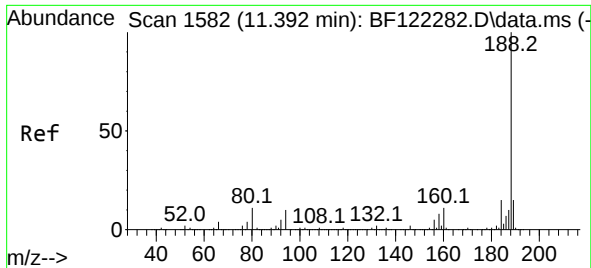
Tgt Ion:139 Resp: 3150
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 10.62 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion:165 Resp: 62600
Ion Ratio Lower Upper
165 100
63 0.9 41.3 61.9#
89 1.5 61.8 92.8#
182 0.0 2.1 3.1#

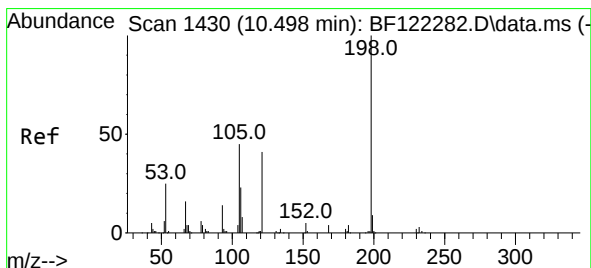
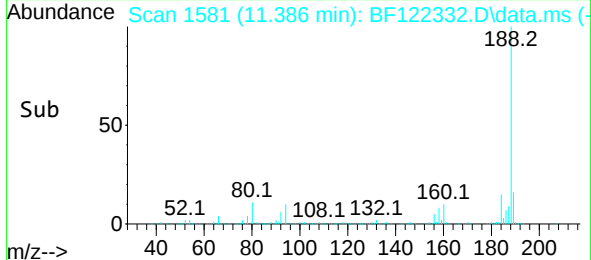
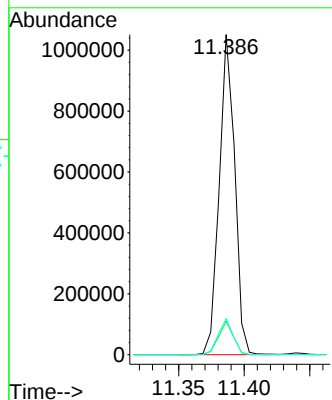
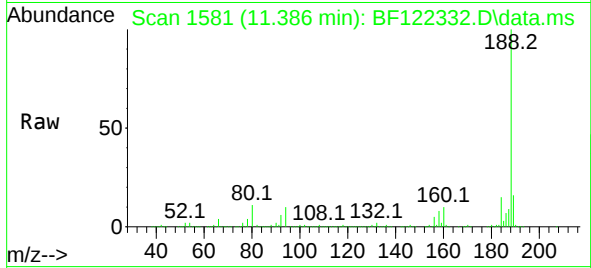




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

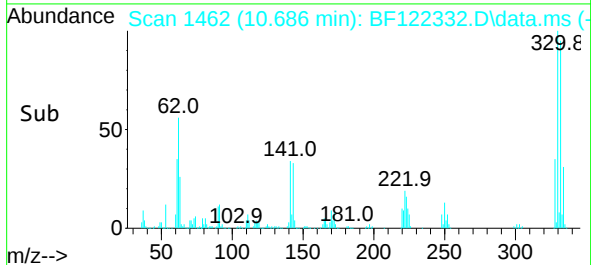
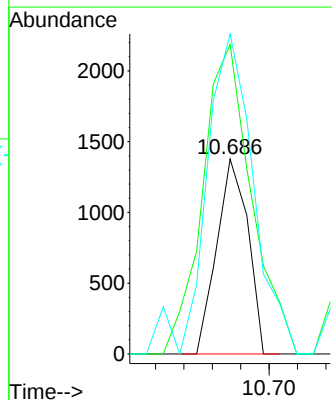
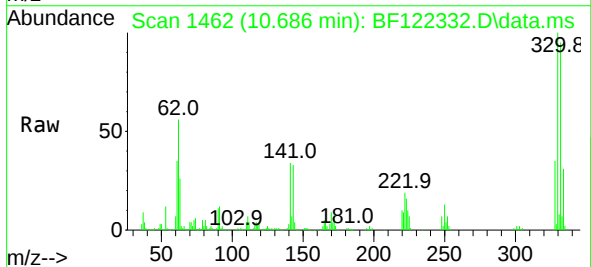
Instrument :
BNA_F
ClientSampleId :
RBR-31

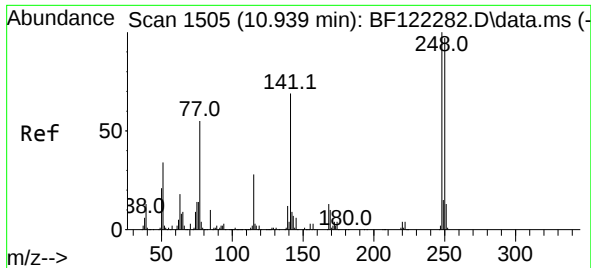
Tgt Ion:188 Resp: 862033
Ion Ratio Lower Upper
188 100
94 10.5 8.3 12.5
80 11.2 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 6.50 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.188 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion:198 Resp: 1047
Ion Ratio Lower Upper
198 100
51 158.8 29.6 69.6#
105 164.2 24.4 64.4#

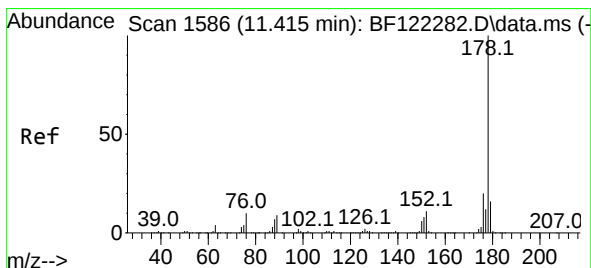
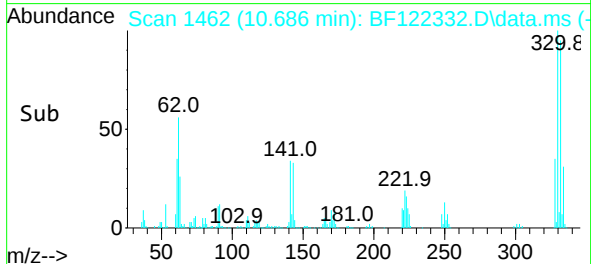
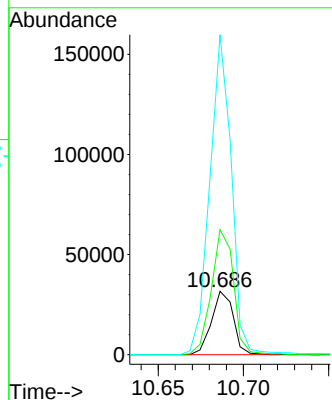
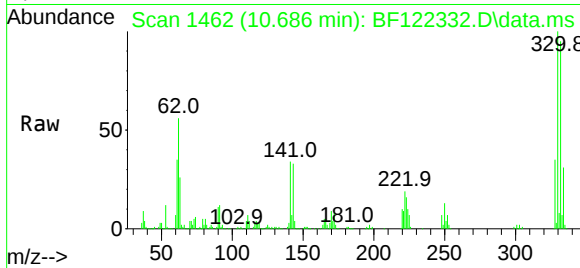




#67
4-Bromophenyl-phenylether
Concen: 2.77 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

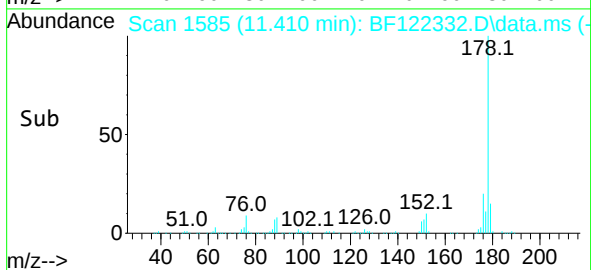
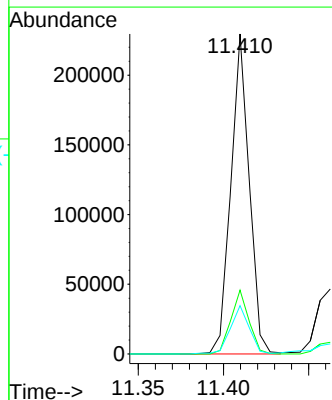
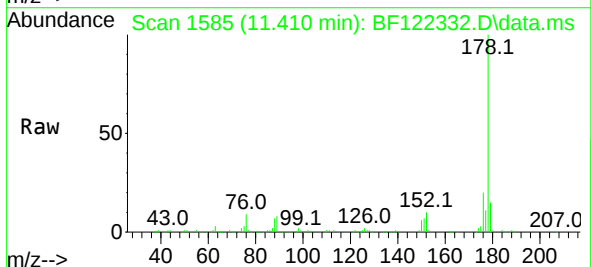
Instrument :
BNA_F
ClientSampleId :
RBR-31

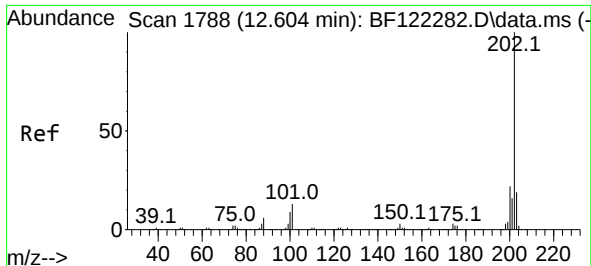
Tgt Ion:248 Resp: 28011
Ion Ratio Lower Upper
248 100
250 197.7 77.0 115.6#
141 505.5 53.7 80.5#



#71
Phenanthrene
Concen: 3.52 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion:178 Resp: 172404
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.1 12.2 18.4

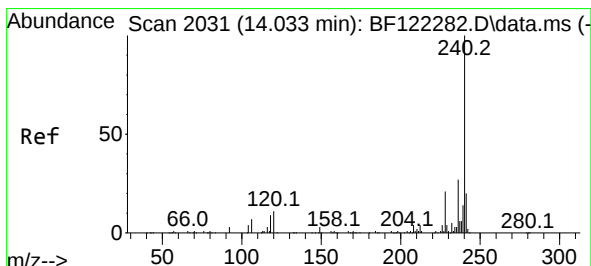
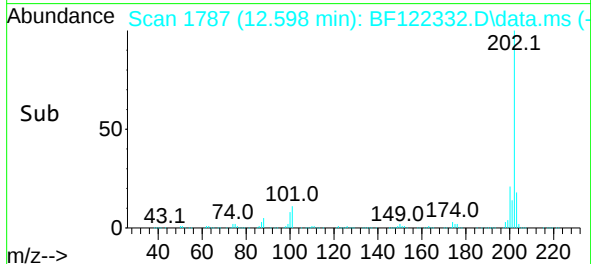
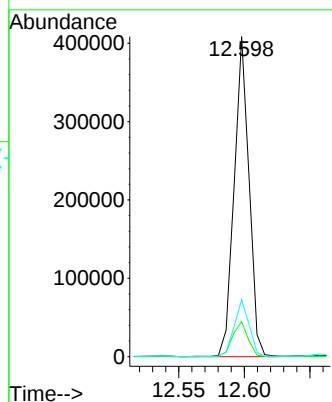
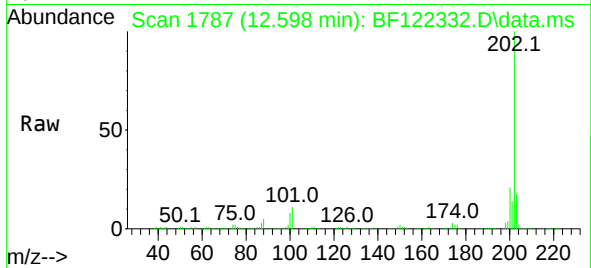




#75
Fluoranthene
Concen: 6.32 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

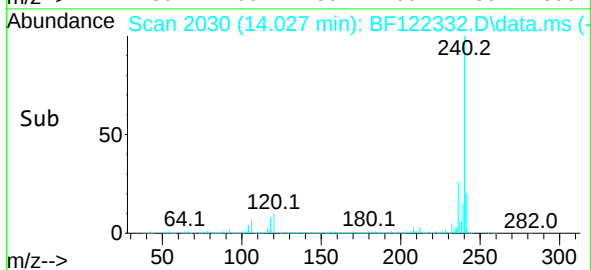
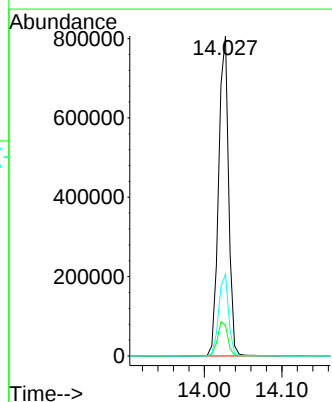
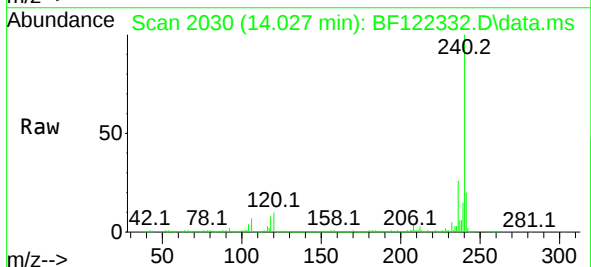
Instrument :
BNA_F
ClientSampleId :
RBR-31

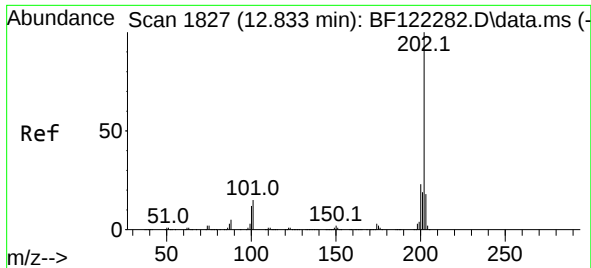
Tgt Ion:202 Resp: 322630
Ion Ratio Lower Upper
202 100
101 11.0 0.0 33.4
203 17.8 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion:240 Resp: 721455
Ion Ratio Lower Upper
240 100
120 9.6 9.2 13.8
236 25.6 20.9 31.3

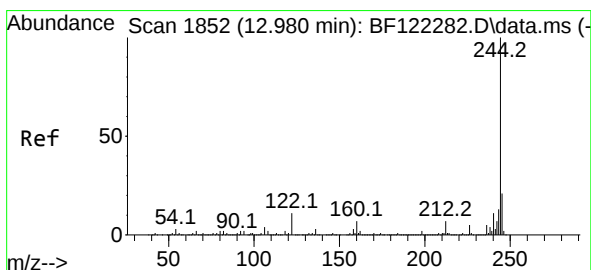
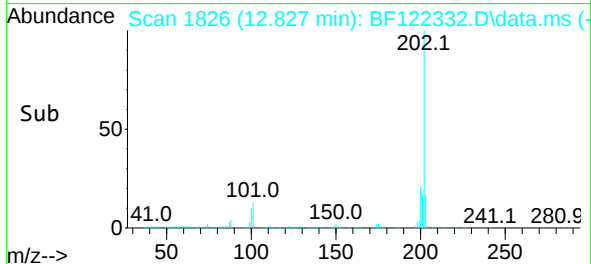
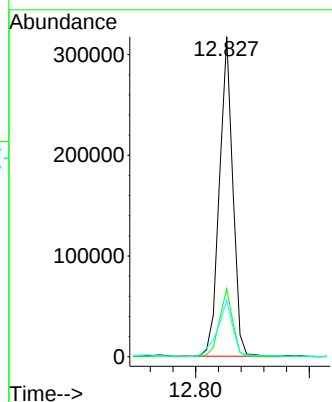
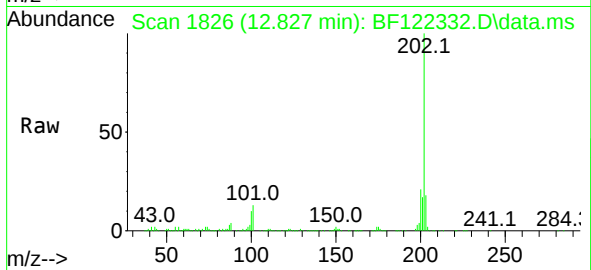




#78
Pyrene
Concen: 5.14 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

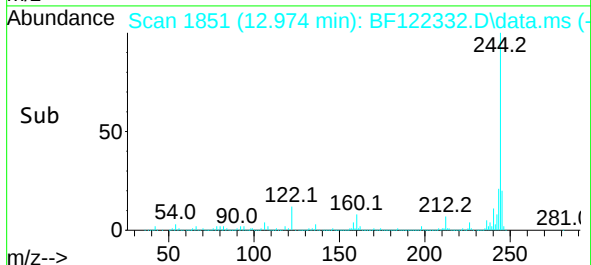
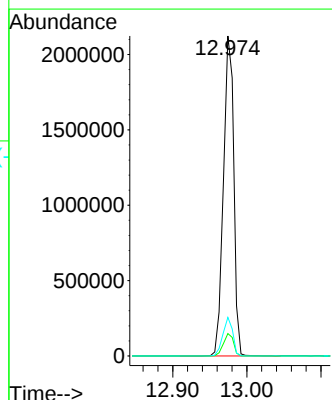
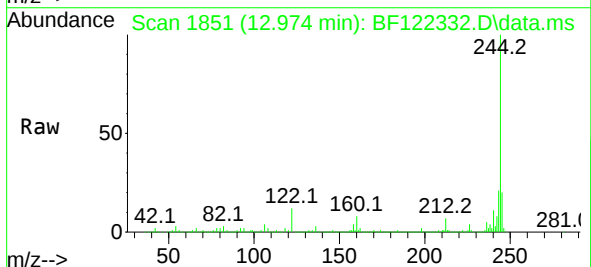
Instrument :
BNA_F
ClientSampleId :
RBR-31

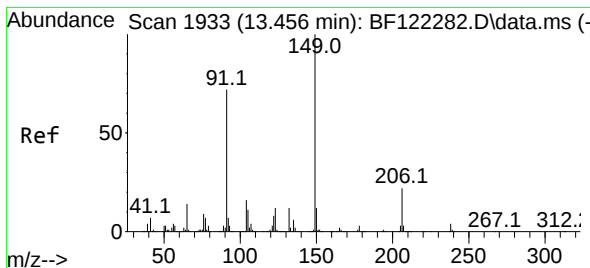
Tgt Ion:202 Resp: 260332
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.7 14.6 21.8



#79
Terphenyl-d14
Concen: 60.51 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion:244 Resp: 2060520
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 12.1 8.1 12.1

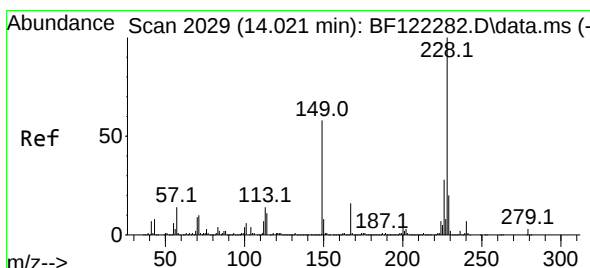
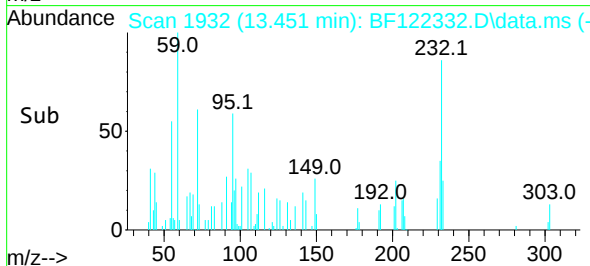
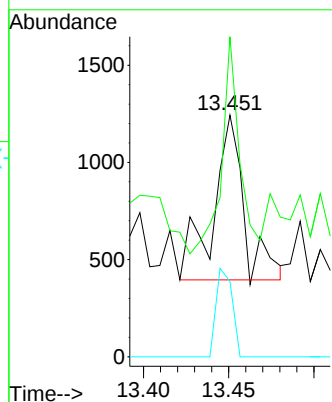
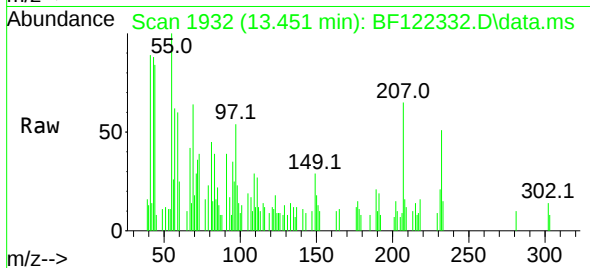




#80
Butylbenzylphthalate
Concen: 3.34 ng
RT: 13.451 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

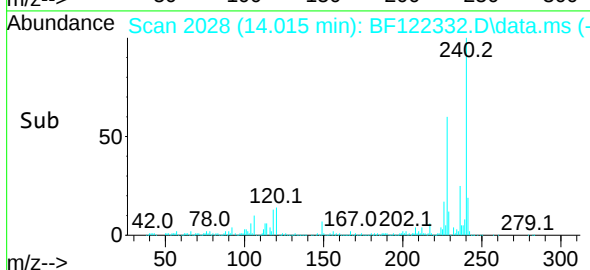
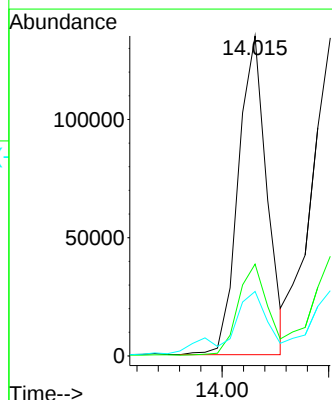
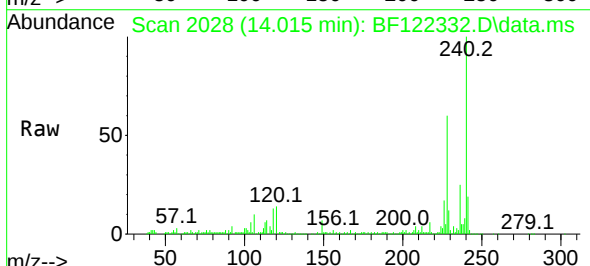
Instrument :
BNA_F
ClientSampleId :
RBR-31

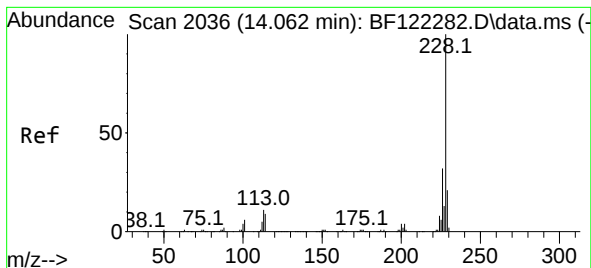
Tgt Ion:	149	Resp:	1066
Ion Ratio	Lower	Upper	
149	100		
91	132.5	61.0	91.4#
206	31.1	16.7	25.1#



#81
Benzo(a)anthracene
Concen: 2.79 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion:	228	Resp:	125129
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.3	33.5
229	20.1	16.2	24.4





#83

Chrysene

Concen: 2.83 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BF122332.D

Acq: 13 Nov 2020 16:41

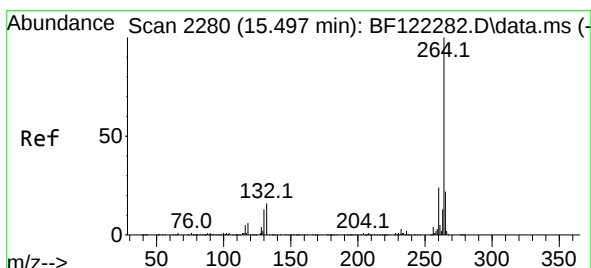
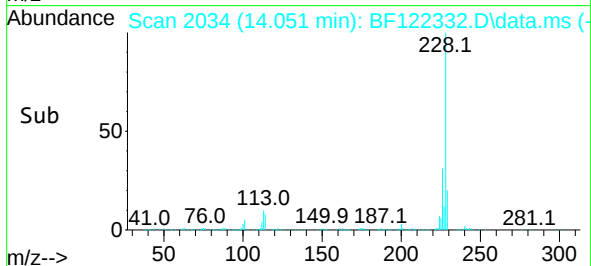
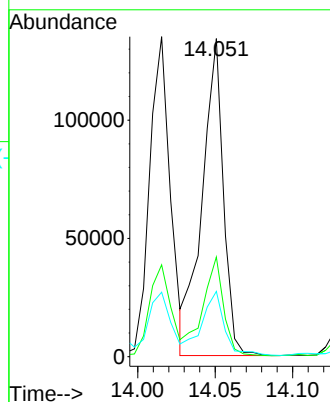
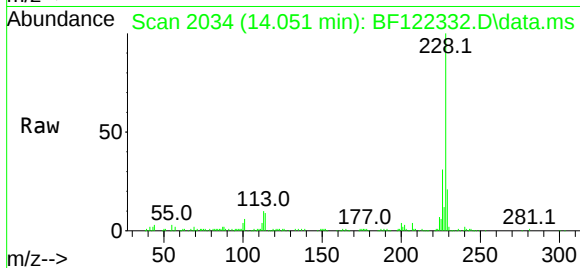
Tgt Ion:228 Resp: 127953

Ion Ratio Lower Upper

228 100

226 31.4 24.6 37.0

229 20.5 15.9 23.9



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.492 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF122332.D

Acq: 13 Nov 2020 16:41

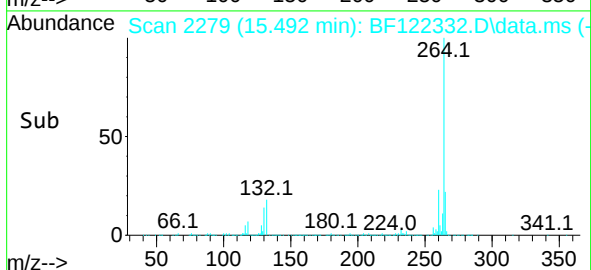
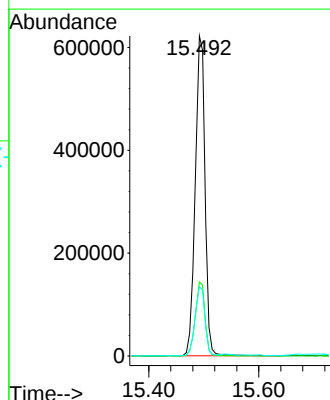
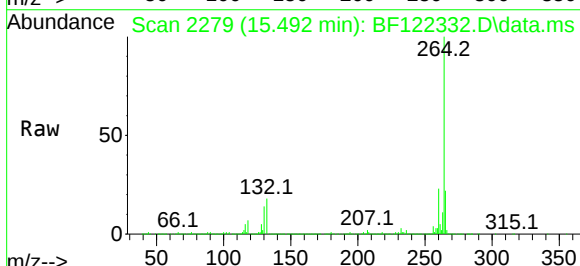
Tgt Ion:264 Resp: 765357

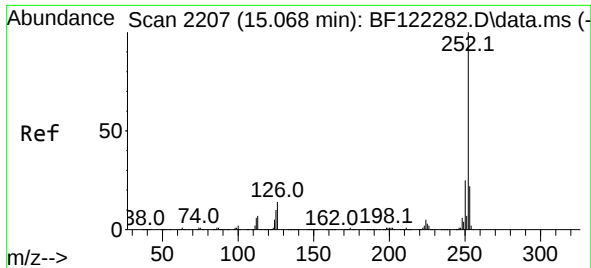
Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.6 17.3 25.9

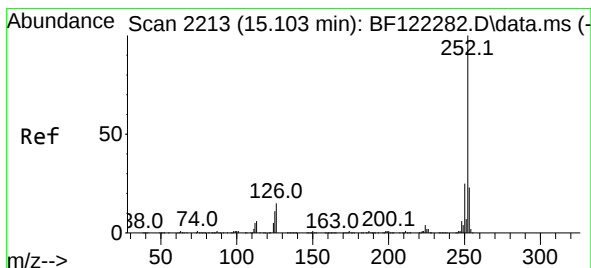
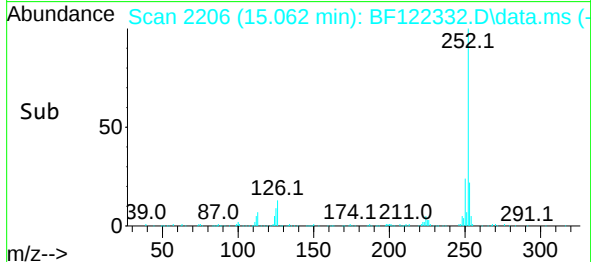
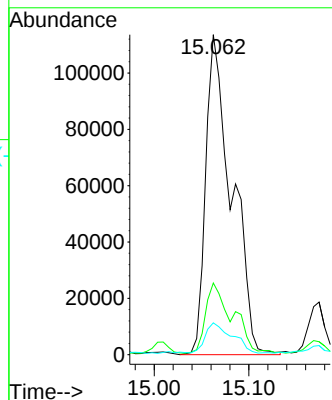
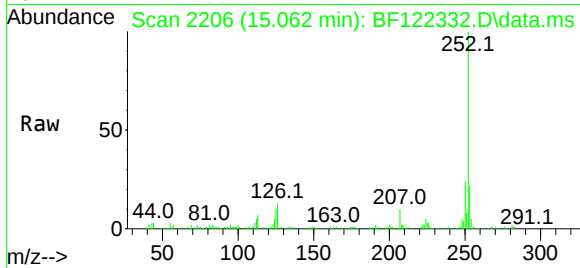




#88
Benzo(b)fluoranthene
Concen: 4.38 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

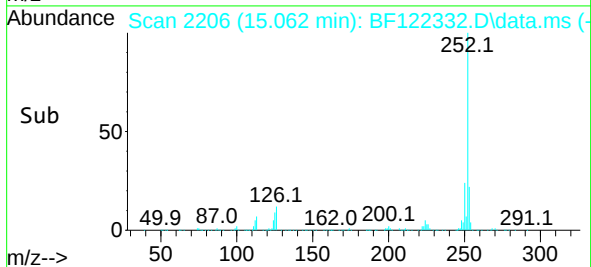
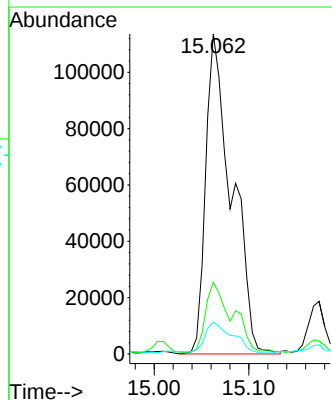
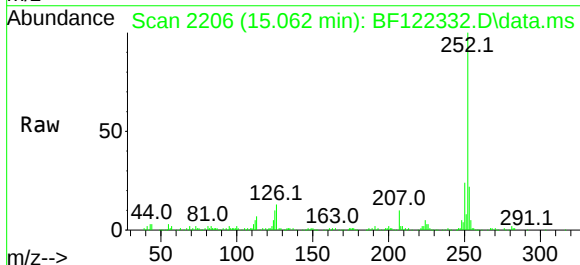
Instrument :
BNA_F
ClientSampleId :
RBR-31

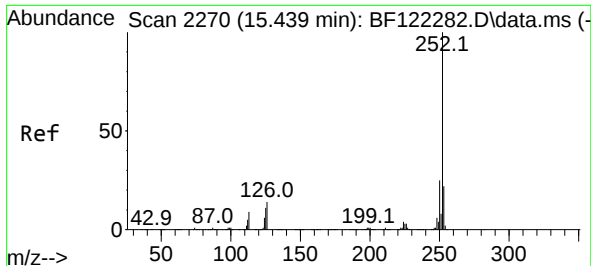
Tgt Ion:252 Resp: 216872
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 9.9 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 4.49 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.041 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion:252 Resp: 216872
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 9.9 7.7 11.5

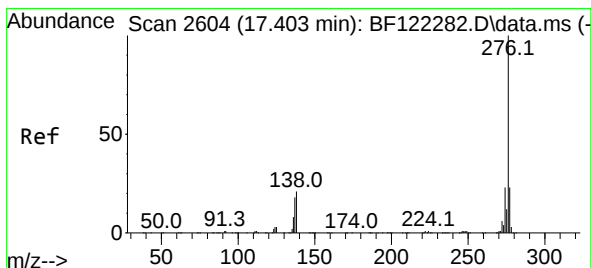
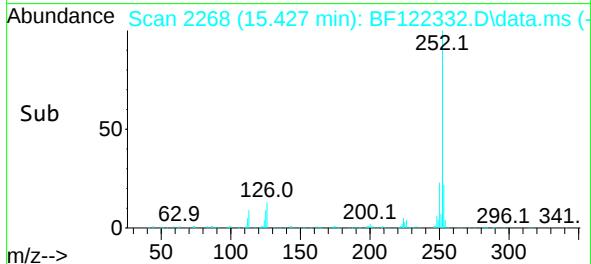
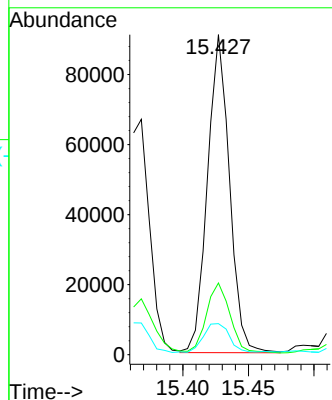
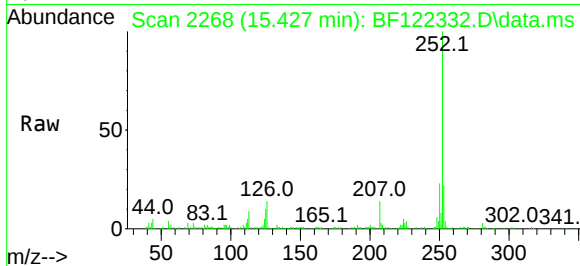




#90
Benzo(a)pyrene
Concen: 2.45 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.011 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Instrument :
BNA_F
ClientSampleId :
RBR-31

Tgt Ion:252 Resp: 106050
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 9.7 8.6 13.0



#92
Benzo(g,h,i)perylene
Concen: 2.07 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.017 min
Lab File: BF122332.D
Acq: 13 Nov 2020 16:41

Tgt Ion:276 Resp: 77497
Ion Ratio Lower Upper
276 100
277 23.8 19.4 29.2
138 21.6 17.8 26.6

