

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
 Data File : BF122522.D
 Acq On : 1 Dec 2020 15:07
 Operator : JU/CG
 Sample : L4906-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-DRUM

Quant Time: Dec 01 16:02:14 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 24 14:38:56 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

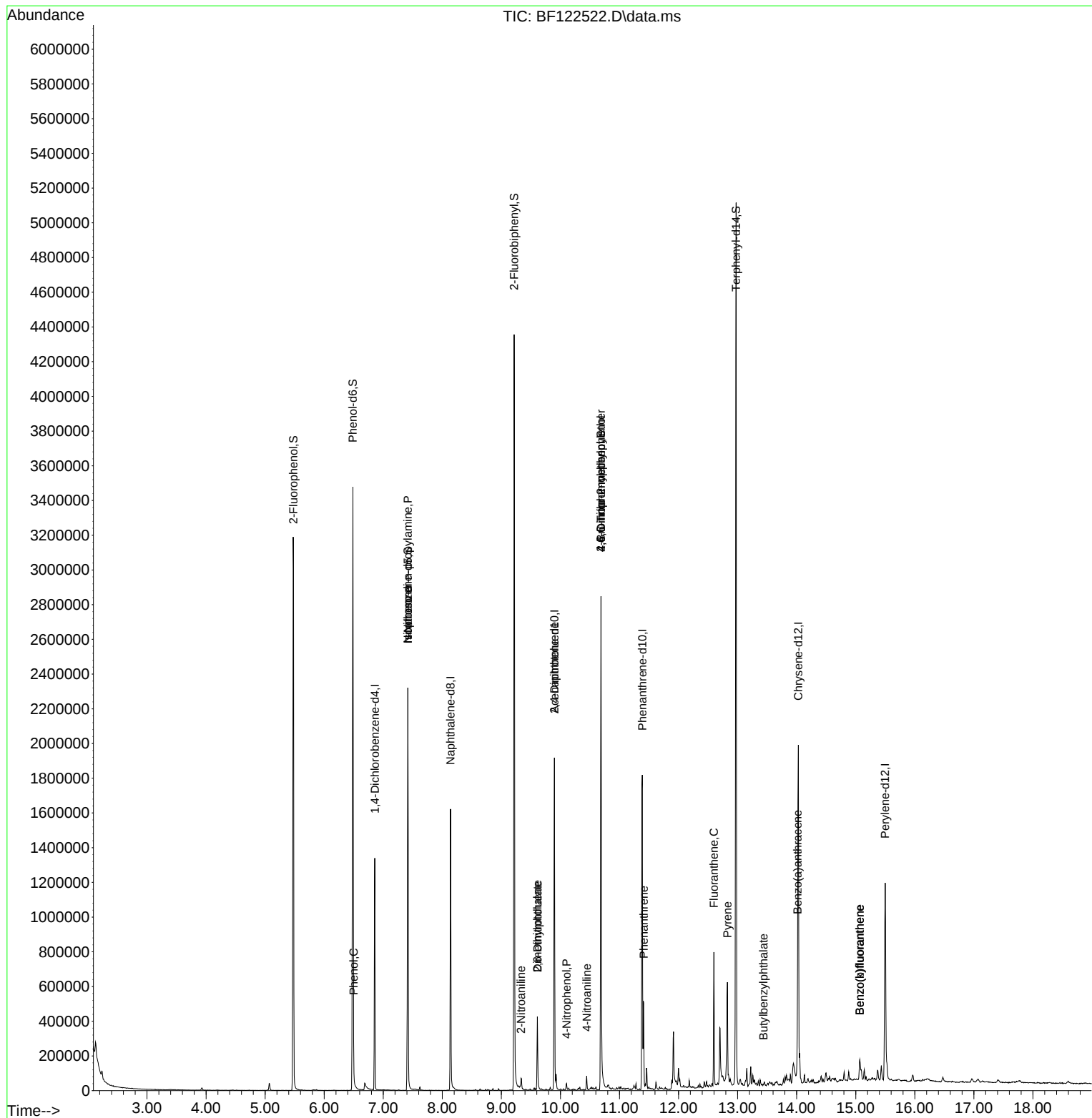
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	187342	20.00	ng	0.00
21) Naphthalene-d8	8.139	136	723185	20.00	ng	0.00
39) Acenaphthene-d10	9.898	164	381073	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	721614	20.00	ng	0.00
76) Chrysene-d12	14.027	240	652899	20.00	ng	0.00
86) Perylene-d12	15.498	264	565772	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	972697	79.72	ng	0.00
7) Phenol-d6	6.486	99	1210753	75.86	ng	-0.01
23) Nitrobenzene-d5	7.416	82	760433	64.37	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	384319	93.97	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1420508	58.24	ng	0.00
79) Terphenyl-d14	12.974	244	1622057	52.63	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	2297	Below Cal	#	3
10) Phenol	6.498	94	34340	2.18	ng	78
19) n-Nitroso-di-n-propyla...	7.416	70	99969	10.48	ng	# 74
25) Isophorone	7.416	82	753717	28.62	ng	# 67
48) 2-Nitroaniline	9.333	65	729	5.26	ng	# 6
50) Dimethylphthalate	9.610	163	186257	6.88	ng	99
51) 2,6-Dinitrotoluene	9.610	165	1894	4.10	ng	# 20
56) 4-Nitrophenol	10.104	139	5691	6.30	ng	# 10
57) 2,4-Dinitrotoluene	9.898	165	50346	10.69	ng	# 20
62) 4-Nitroaniline	10.445	138	114	3.40	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.686	198	624	6.40	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	23603	2.78	ng	# 1
71) Phenanthrene	11.410	178	198815	4.86	ng	98
75) Fluoranthene	12.598	202	283362	6.63	ng	97
78) Pyrene	12.827	202	241786	5.27	ng	98
80) Butylbenzylphthalate	13.439	149	978	3.34	ng	# 86
81) Benzo(a)anthracene	14.015	228	101168	2.49	ng	97
88) Benzo(b)fluoranthene	15.068	252	95707	2.61	ng	99
89) Benzo(k)fluoranthene	15.068	252	95707	2.68	ng	99

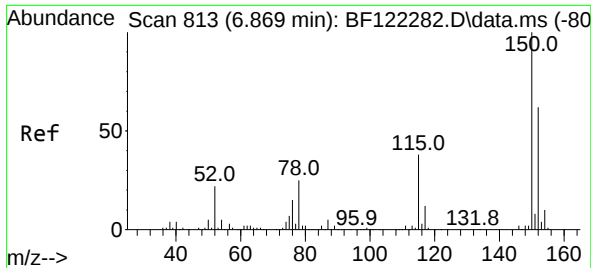
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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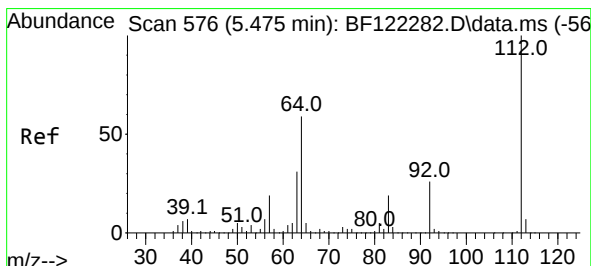
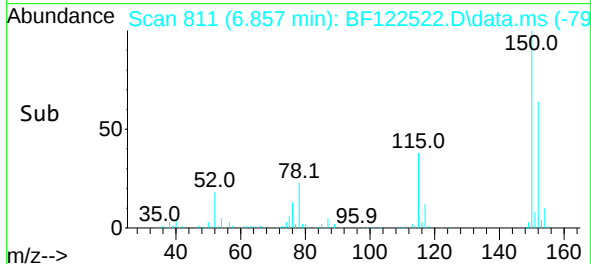
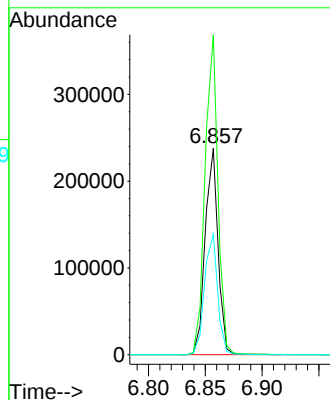
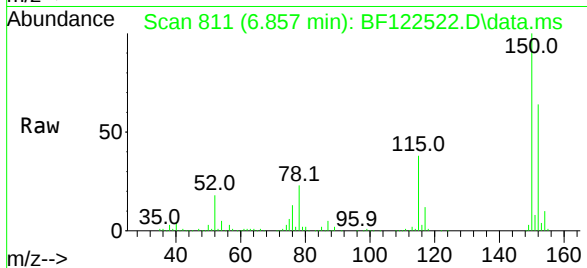




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

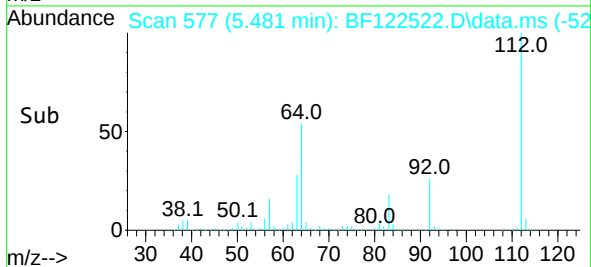
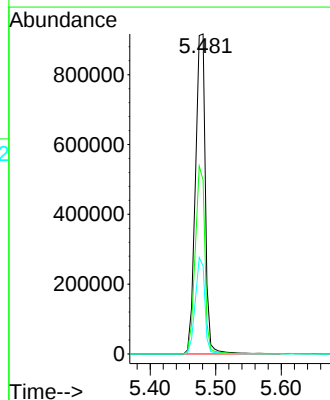
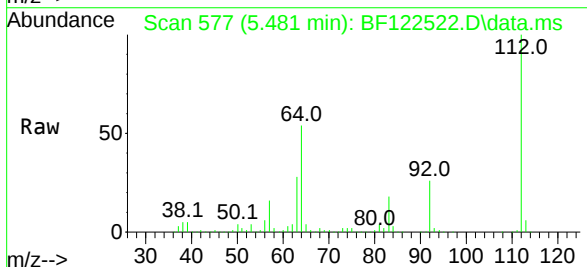
Instrument :
BNA_F
ClientSampleId :
4-DRUM

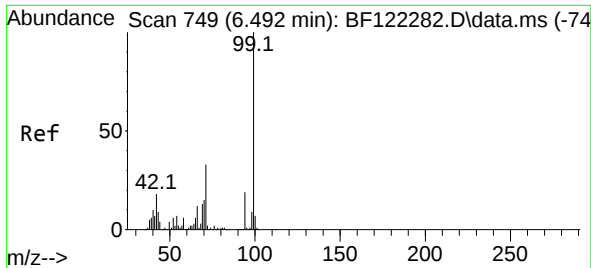
Tgt Ion:152 Resp: 187342
Ion Ratio Lower Upper
152 100
150 155.1 125.3 187.9
115 58.3 51.9 77.9



#5
2-Fluorophenol
Concen: 79.72 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

Tgt Ion:112 Resp: 972697
Ion Ratio Lower Upper
112 100
64 54.4 50.4 75.6
63 27.5 25.8 38.6

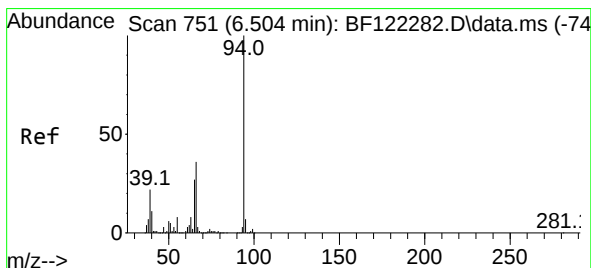
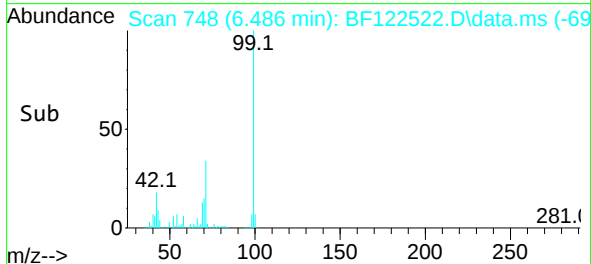
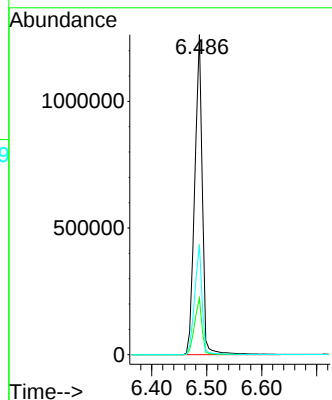
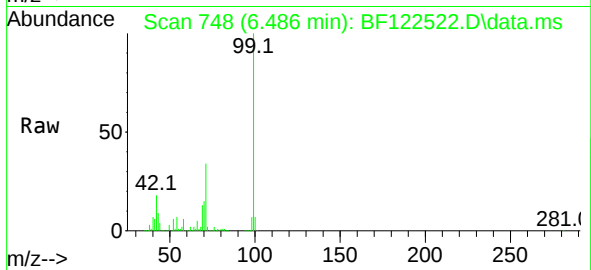




#7
Phenol-d6
Concen: 75.86 ng
RT: 6.486 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

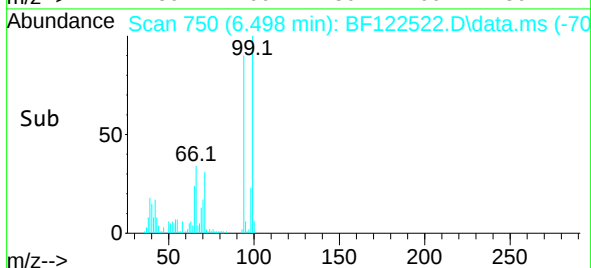
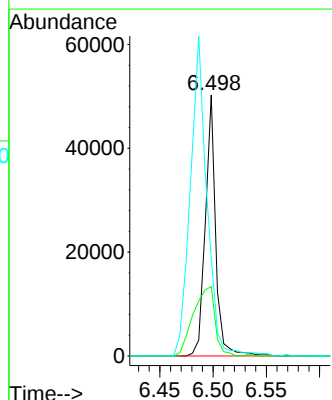
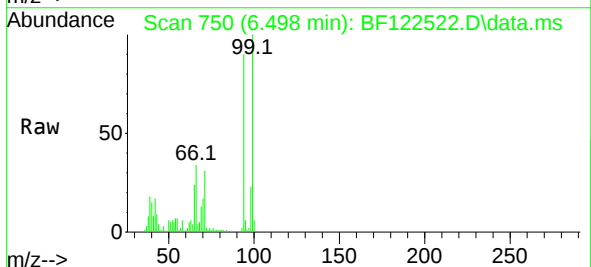
Instrument :
BNA_F
ClientSampleId :
4-DRUM

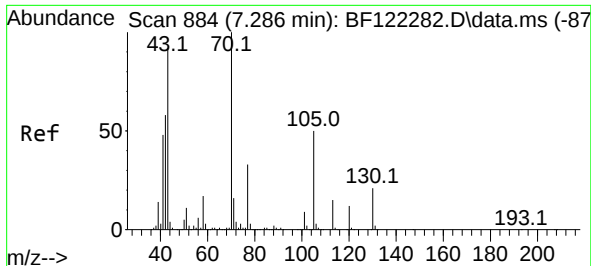
Tgt Ion: 99 Resp: 1210753
Ion Ratio Lower Upper
99 100
42 17.7 15.9 23.9
71 34.4 27.1 40.7



#10
Phenol
Concen: 2.18 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

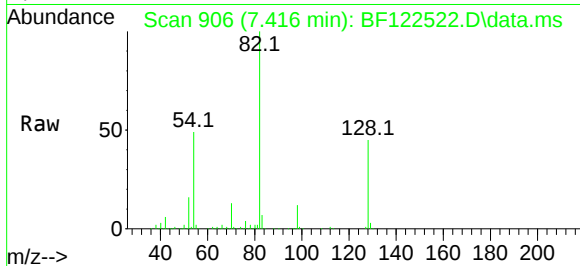
Tgt Ion: 94 Resp: 34340
Ion Ratio Lower Upper
94 100
65 26.5 17.1 57.1
66 37.8 36.0 76.0



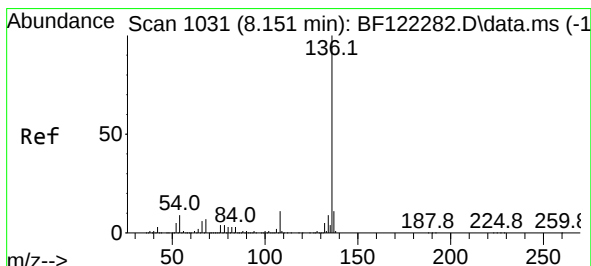
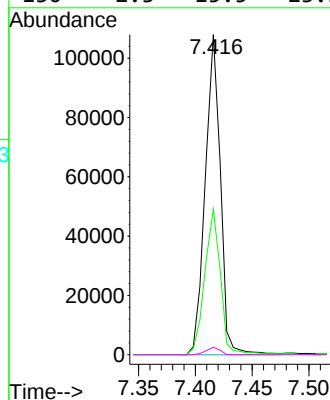
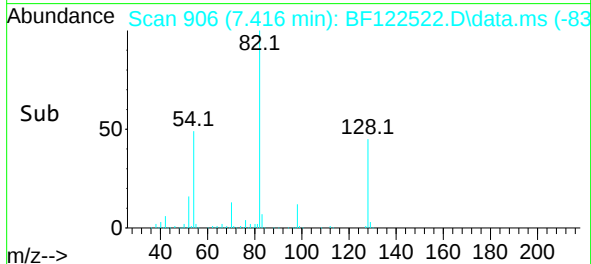


#19
n-Nitroso-di-n-propylamine
Concen: 10.48 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

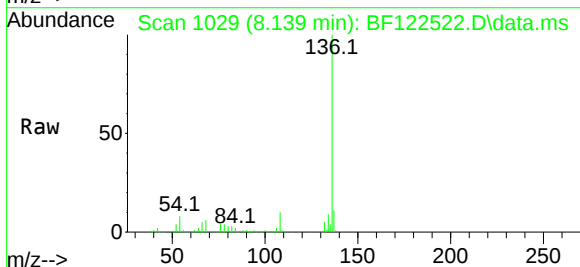
Instrument :
BNA_F
ClientSampleId :
4-DRUM



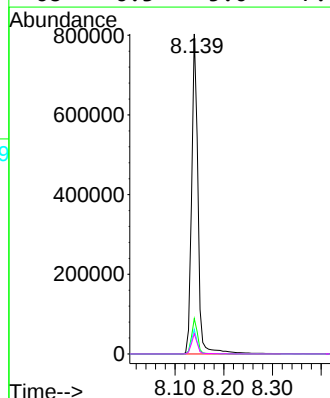
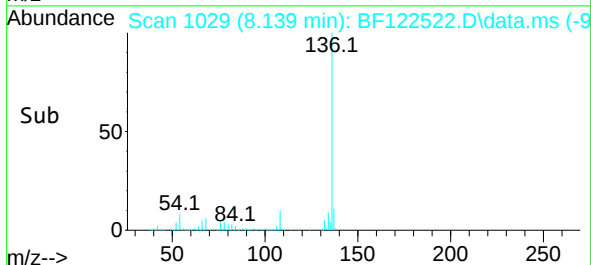
Tgt Ion: 70 Resp: 99969
Ion Ratio Lower Upper
70 100
42 45.3 50.2 75.4#
101 0.0 7.5 11.3#
130 2.3 15.5 23.3#

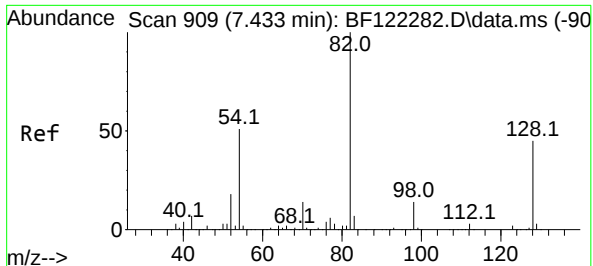


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07



Tgt Ion: 136 Resp: 723185
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.7 7.1 10.7
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 64.37 ng

RT: 7.416 min Scan# 906

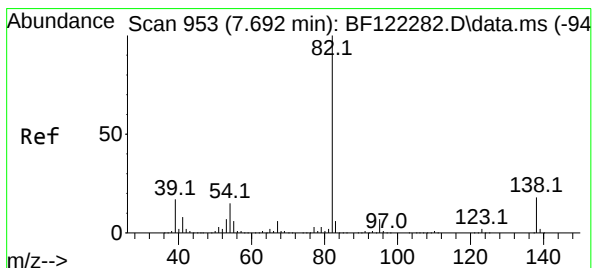
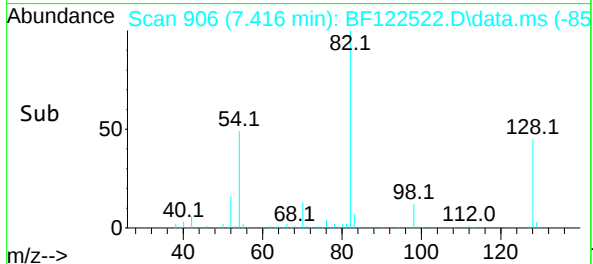
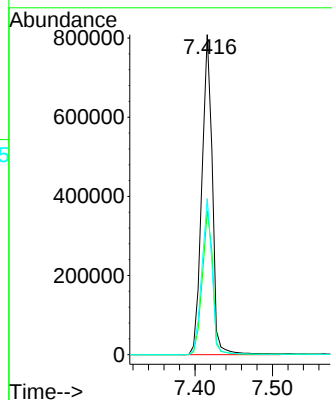
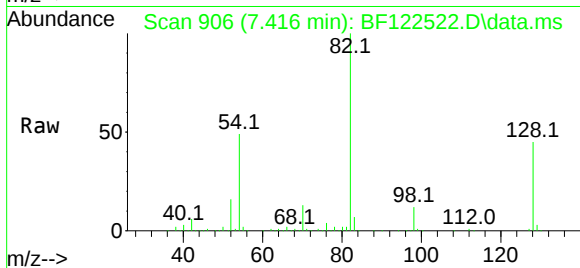
Delta R.T. -0.012 min

Lab File: BF122522.D

Acq: 1 Dec 2020 15:07

Tgt Ion: 82 Resp: 760433

Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.0	52.4
54	48.7	43.9	65.9



#25

Isophorone

Concen: 28.62 ng

RT: 7.416 min Scan# 906

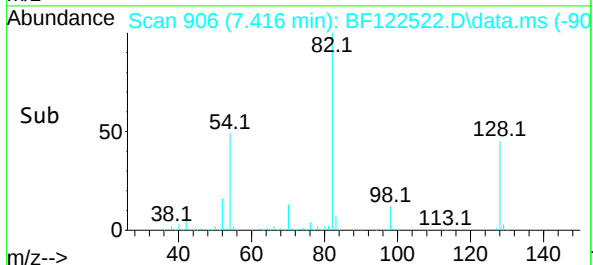
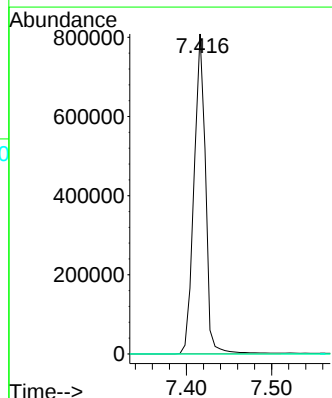
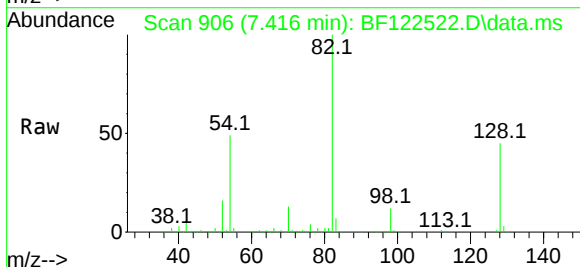
Delta R.T. -0.271 min

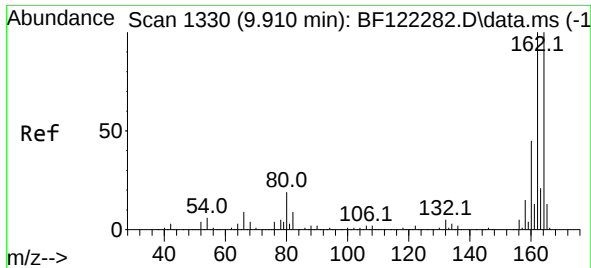
Lab File: BF122522.D

Acq: 1 Dec 2020 15:07

Tgt Ion: 82 Resp: 753717

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	13.4	20.0#

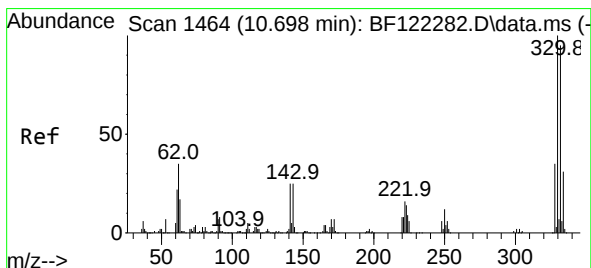
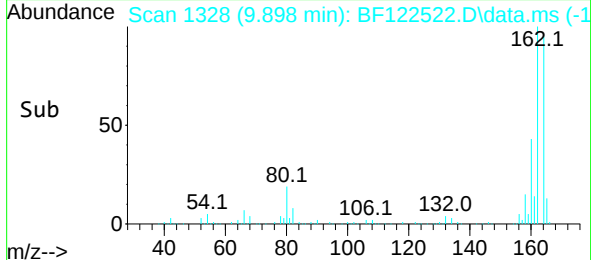
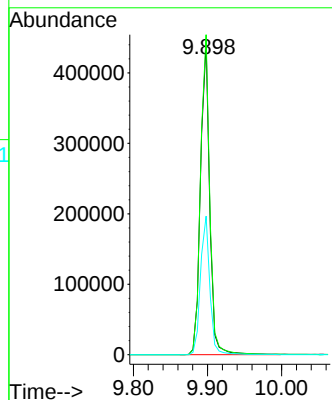
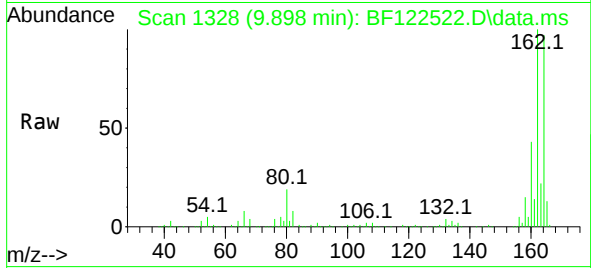




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

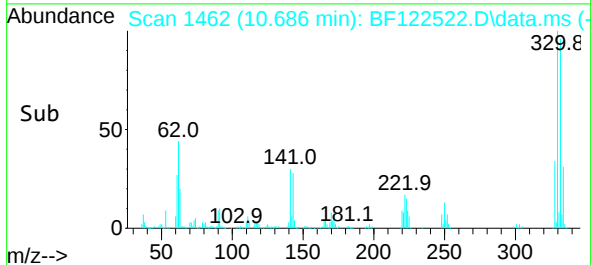
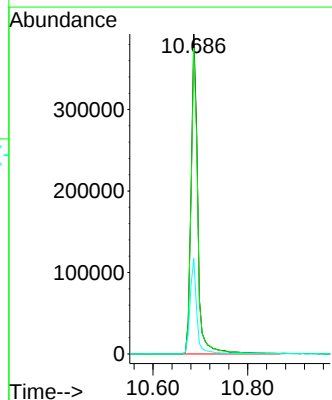
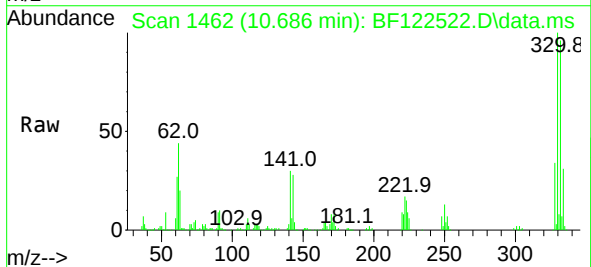
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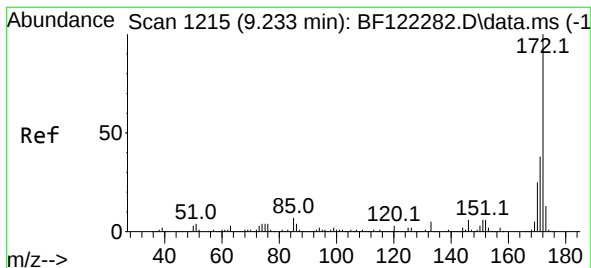
Tgt Ion:164 Resp: 381073
Ion Ratio Lower Upper
164 100
162 102.7 83.2 124.8
160 44.5 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 93.97 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

Tgt Ion:330 Resp: 384319
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 29.9 22.3 33.5

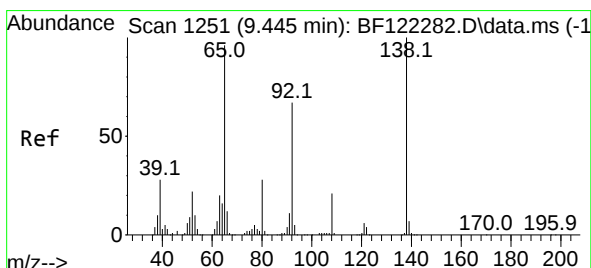
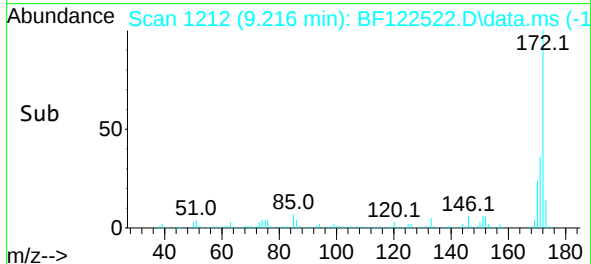
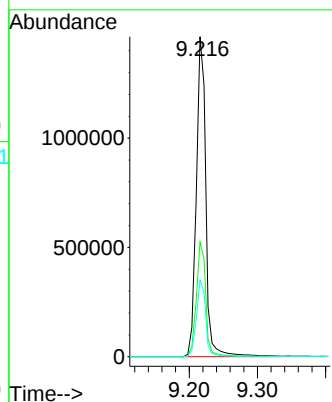
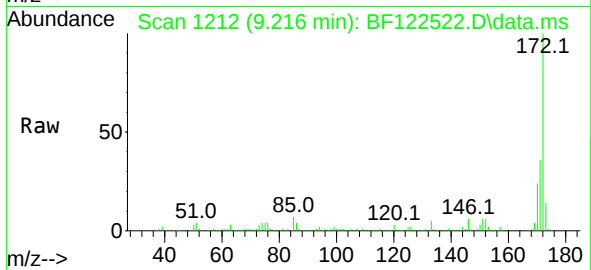




#45
2-Fluorobiphenyl
Concen: 58.24 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

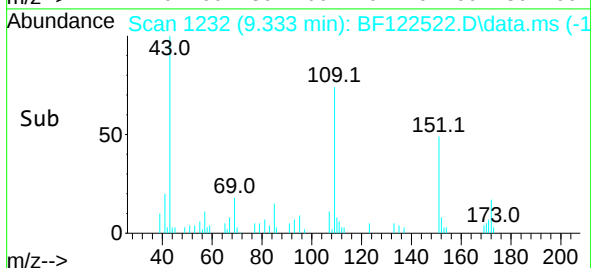
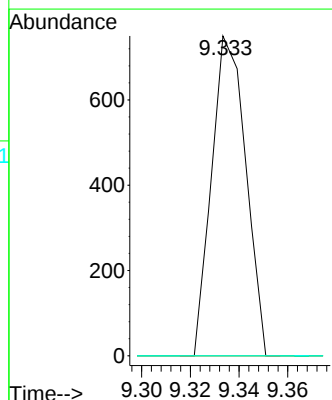
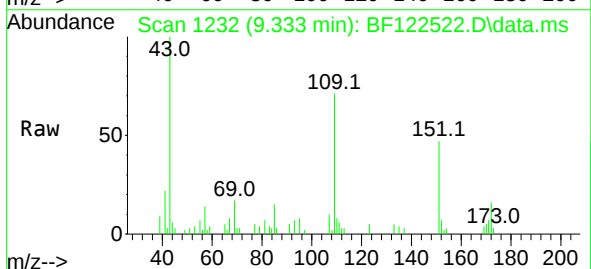
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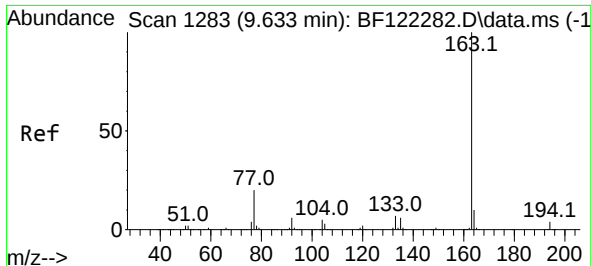
Tgt Ion:172 Resp: 1420508
Ion Ratio Lower Upper
172 100
171 35.9 29.1 43.7
170 23.9 19.8 29.6



#48
2-Nitroaniline
Concen: 5.26 ng
RT: 9.333 min Scan# 1232
Delta R.T. -0.112 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

Tgt Ion: 65 Resp: 729
Ion Ratio Lower Upper
65 100
92 0.0 55.1 82.7#
138 0.0 80.5 120.7#

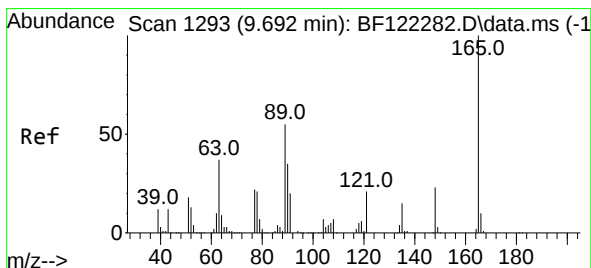
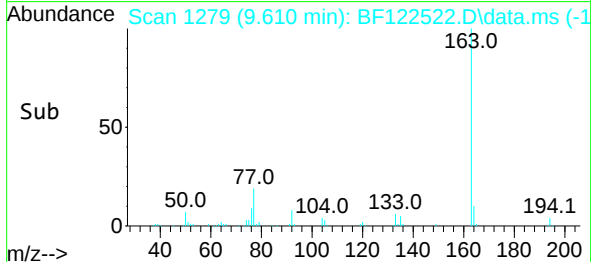
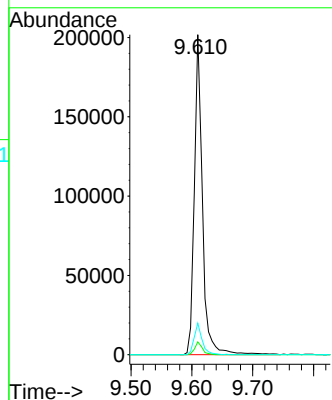
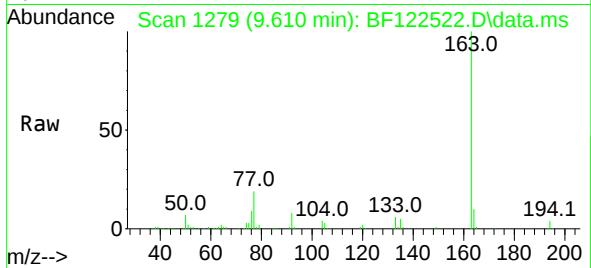




#50
Dimethylphthalate
Concen: 6.88 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.018 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

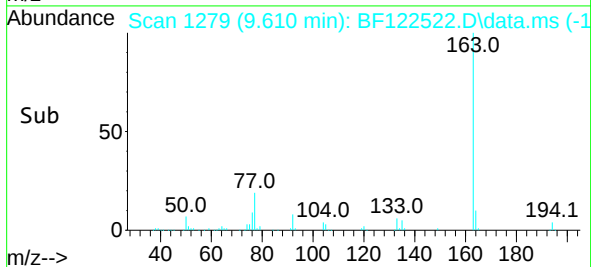
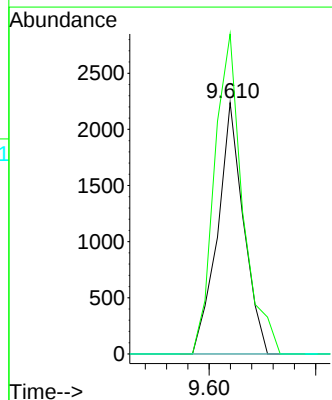
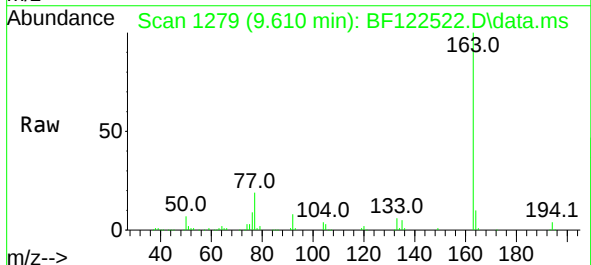
Instrument :
BNA_F
ClientSampleId :
4-DRUM

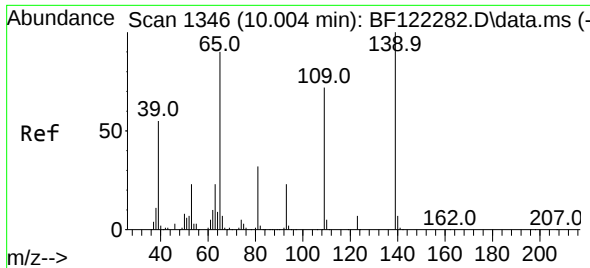
Tgt Ion:163 Resp: 186257
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.8 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 4.10 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.077 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

Tgt Ion:165 Resp: 1894
Ion Ratio Lower Upper
165 100
63 127.3 51.8 77.6#
89 0.0 49.0 73.6#

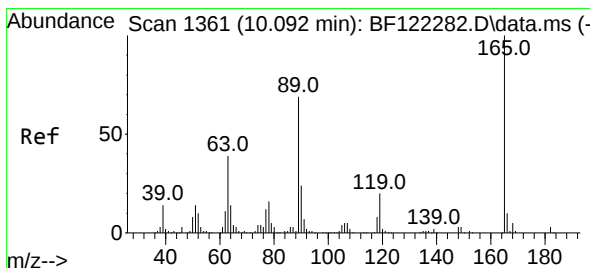
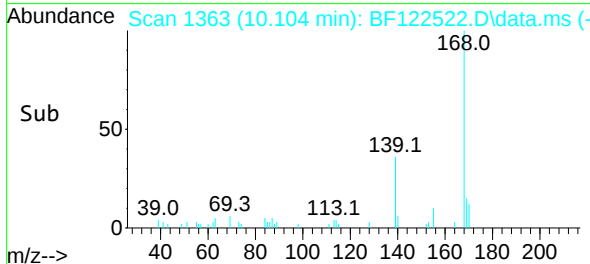
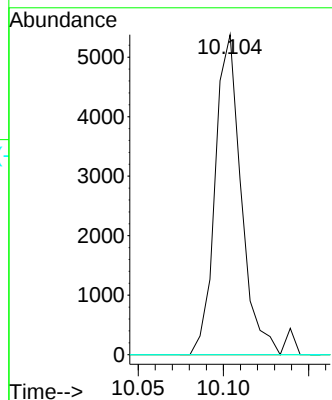
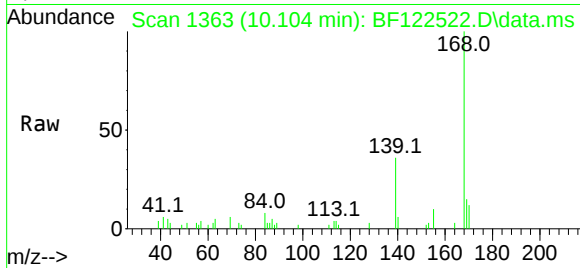




#56
4-Nitrophenol
Concen: 6.30 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.088 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

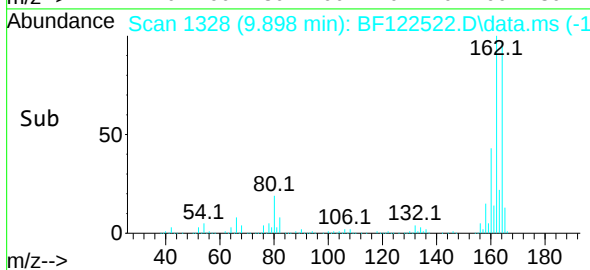
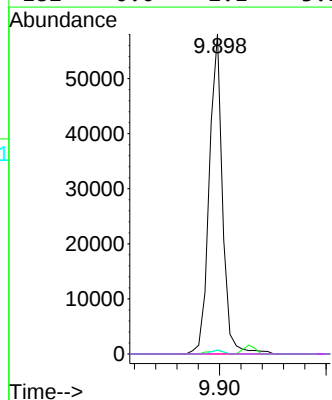
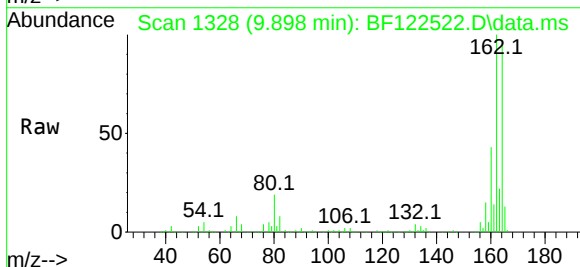
Instrument :
BNA_F
ClientSampleId :
4-DRUM

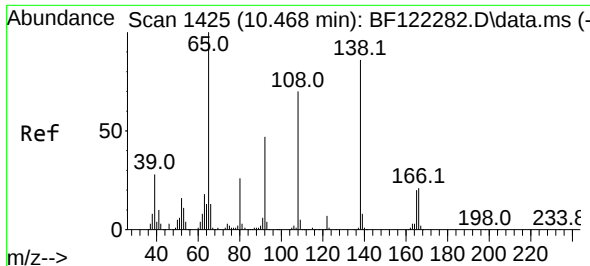
Tgt Ion:139 Resp: 5691
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 10.69 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.188 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

Tgt Ion:165 Resp: 50346
Ion Ratio Lower Upper
165 100
63 1.2 41.3 61.9#
89 1.3 61.8 92.8#
182 0.0 2.1 3.1#

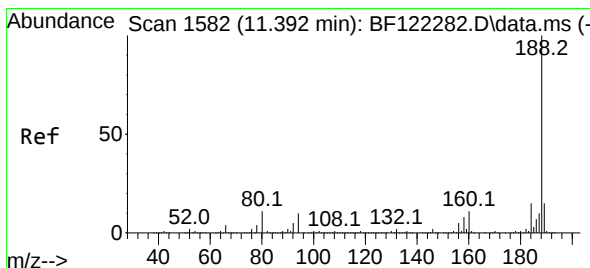
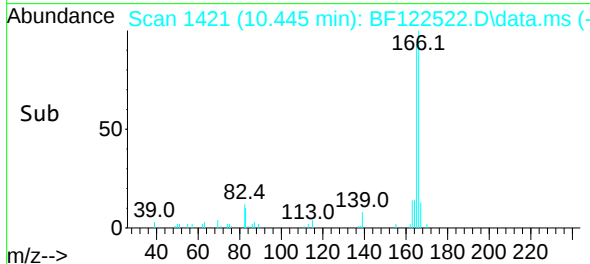
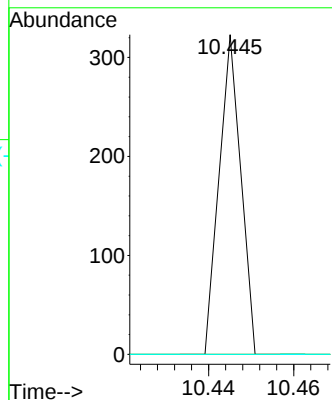
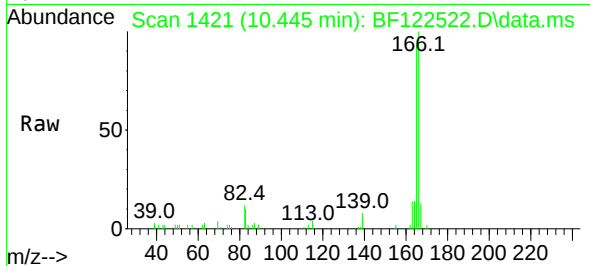




#62
4-Nitroaniline
Concen: 3.40 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.030 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

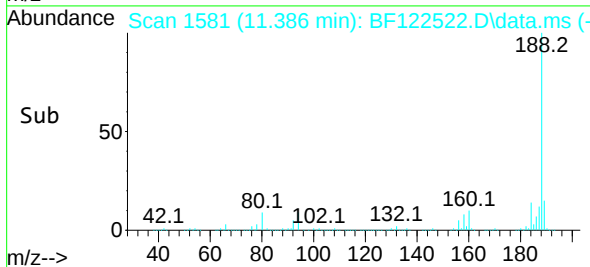
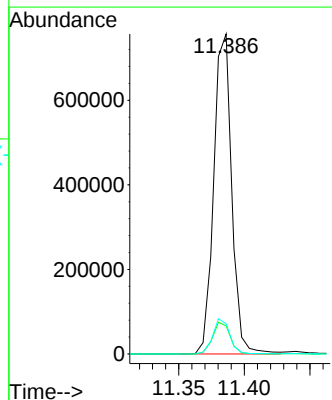
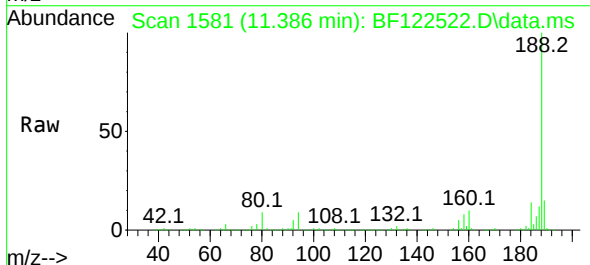
Instrument :
BNA_F
ClientSampleId :
4-DRUM

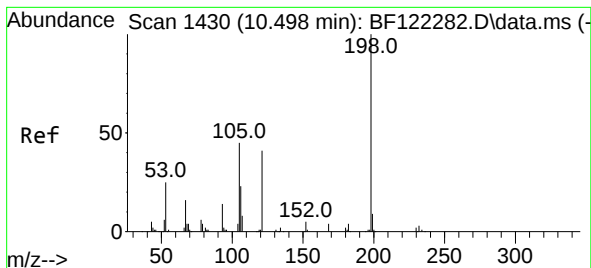
Tgt Ion:138 Resp: 114
Ion Ratio Lower Upper
138 100
92 0.0 31.0 71.0#
108 0.0 51.5 91.5#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

Tgt Ion:188 Resp: 721614
Ion Ratio Lower Upper
188 100
94 8.8 8.3 12.5
80 9.5 9.1 13.7

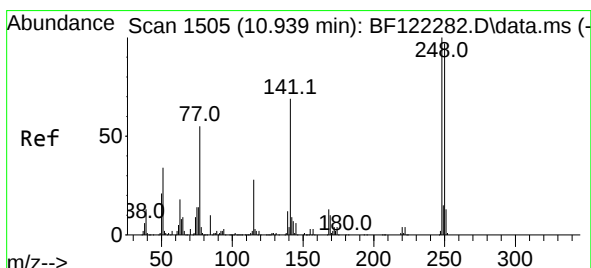
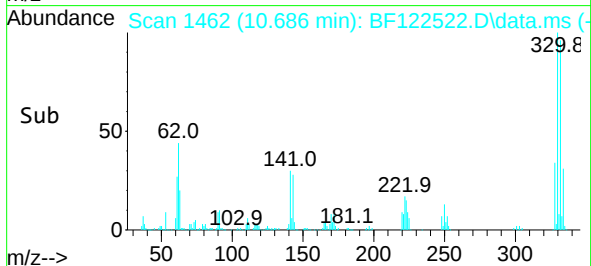
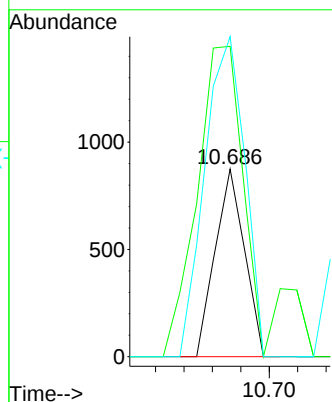
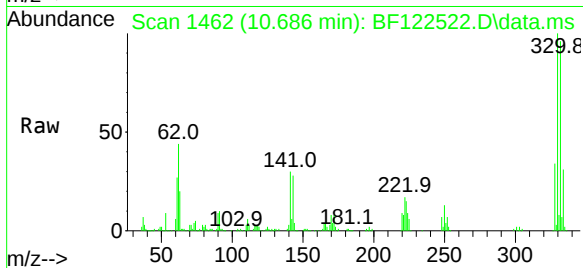




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.40 ng
 RT: 10.686 min Scan# 1462
 Delta R.T. 0.188 min
 Lab File: BF122522.D
 Acq: 1 Dec 2020 15:07

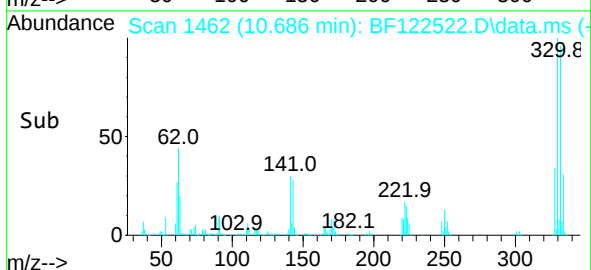
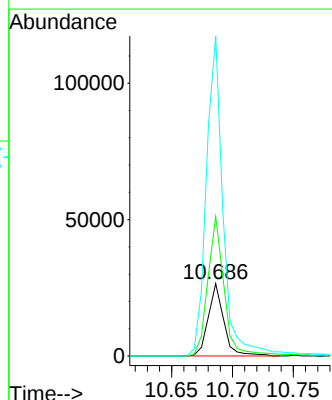
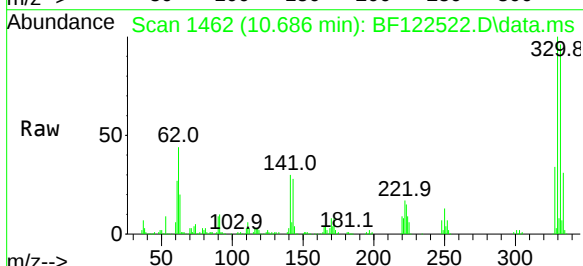
Instrument :
 BNA_F
 ClientSampled :
 4-DRUM

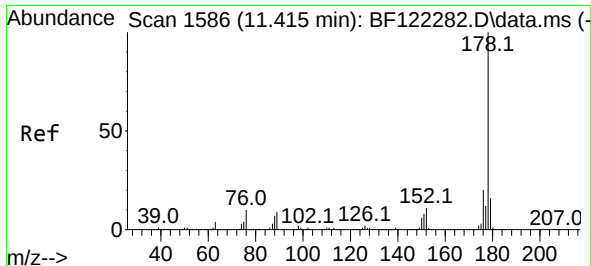
Tgt Ion:198 Resp: 624
 Ion Ratio Lower Upper
 198 100
 51 165.4 29.6 69.6#
 105 170.5 24.4 64.4#



#67
 4-Bromophenyl-phenylether
 Concen: 2.78 ng
 RT: 10.686 min Scan# 1462
 Delta R.T. -0.247 min
 Lab File: BF122522.D
 Acq: 1 Dec 2020 15:07

Tgt Ion:248 Resp: 23603
 Ion Ratio Lower Upper
 248 100
 250 192.4 77.0 115.6#
 141 442.2 53.7 80.5#

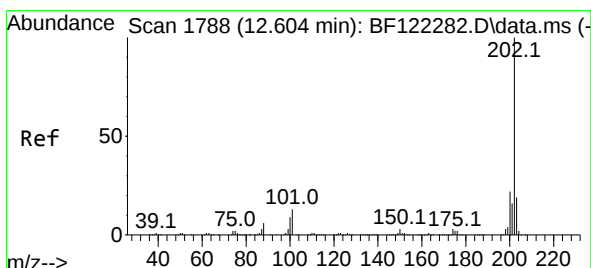
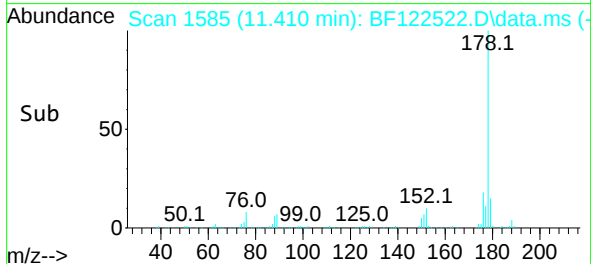
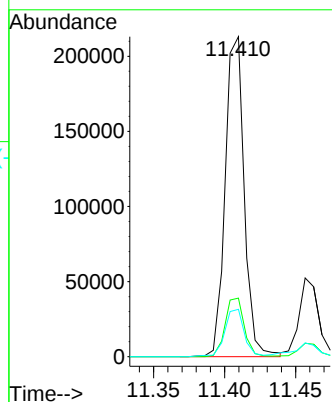
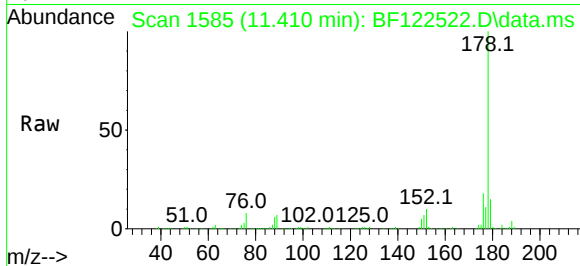




#71
Phenanthrene
Concen: 4.86 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

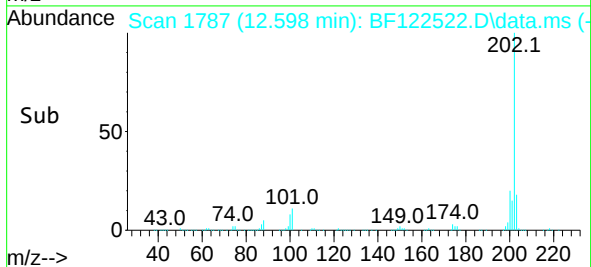
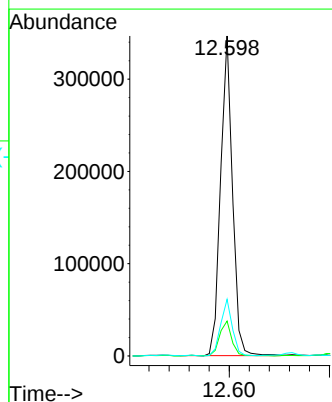
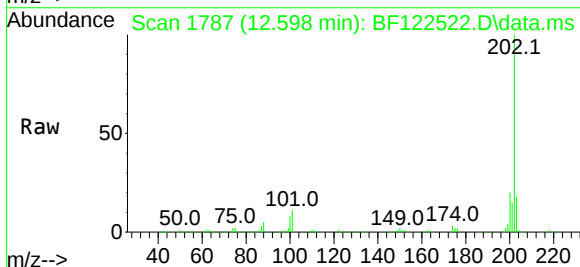
Instrument :
BNA_F
ClientSampleId :
4-DRUM

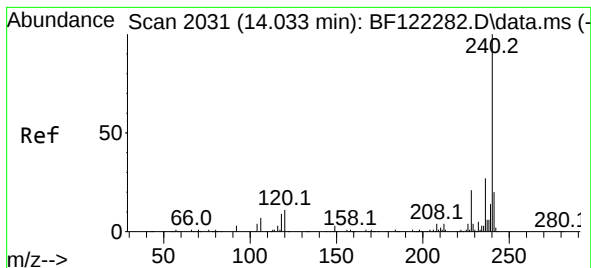
Tgt Ion:178 Resp: 198815
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.8 12.2 18.4



#75
Fluoranthene
Concen: 6.63 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

Tgt Ion:202 Resp: 283362
Ion Ratio Lower Upper
202 100
101 10.9 0.0 33.4
203 17.7 0.0 37.9

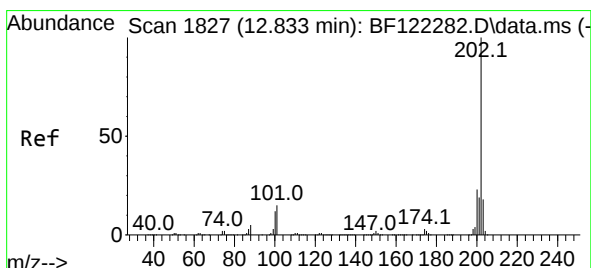
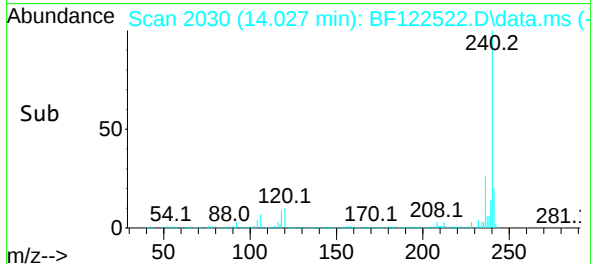
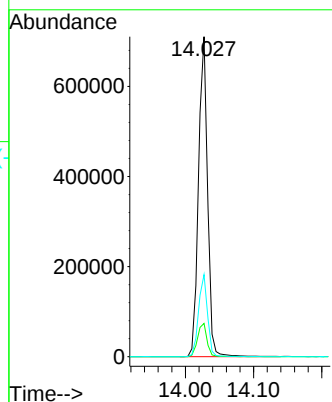
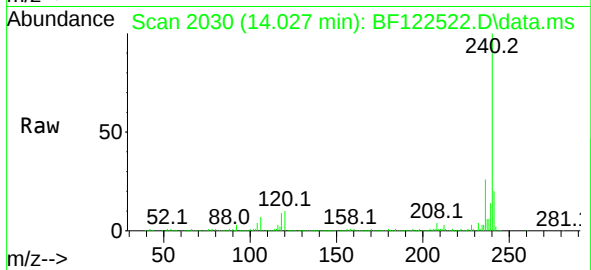




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

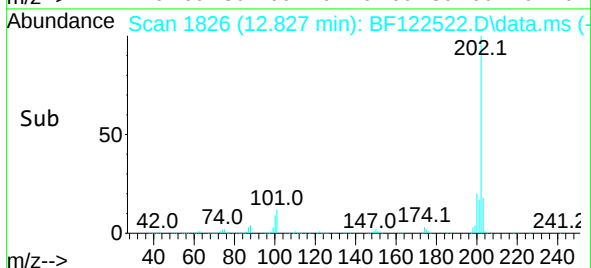
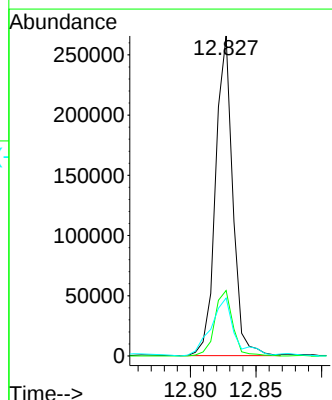
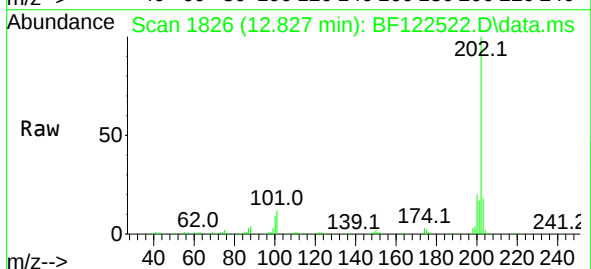
Instrument :
BNA_F
ClientSampleId :
4-DRUM

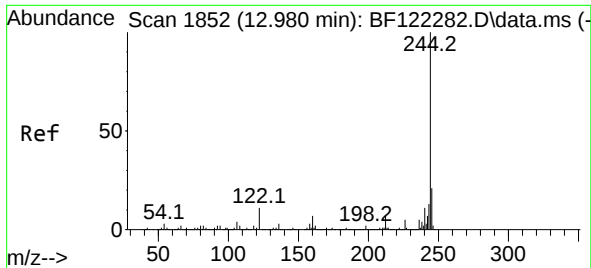
Tgt Ion:240 Resp: 652899
Ion Ratio Lower Upper
240 100
120 10.4 9.2 13.8
236 25.6 20.9 31.3



#78
Pyrene
Concen: 5.27 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

Tgt Ion:202 Resp: 241786
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 18.1 14.6 21.8

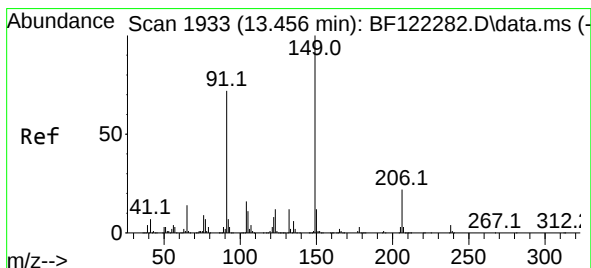
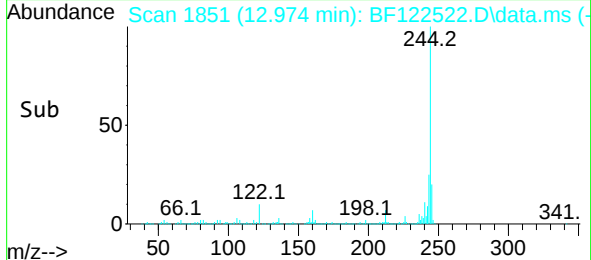
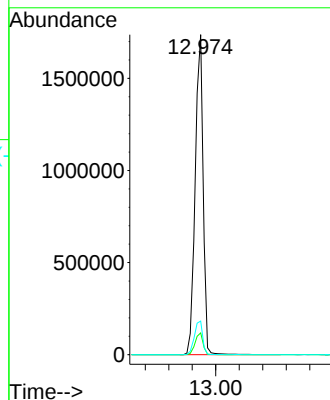
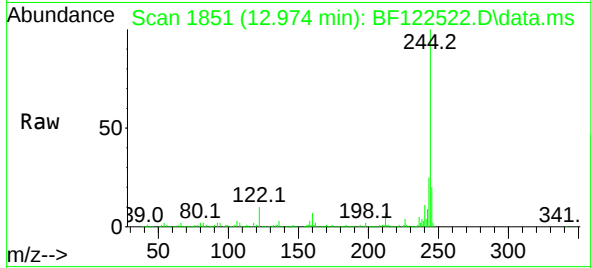




#79
 Terphenyl-d14
 Concen: 52.63 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: BF122522.D
 Acq: 1 Dec 2020 15:07

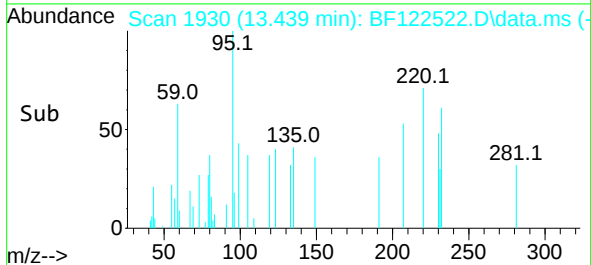
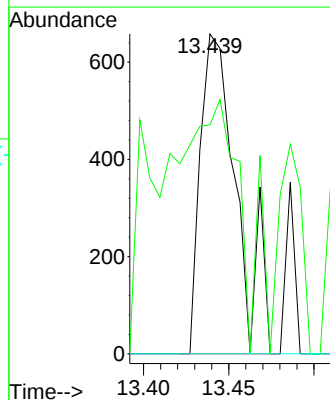
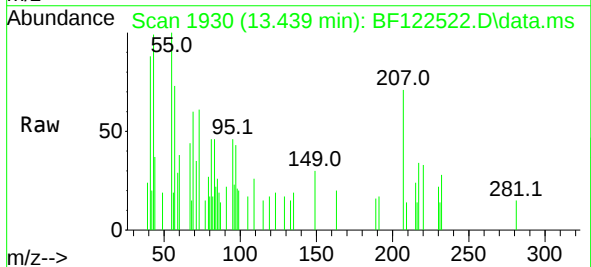
Instrument :
 BNA_F
 ClientSampleId :
 4-DRUM

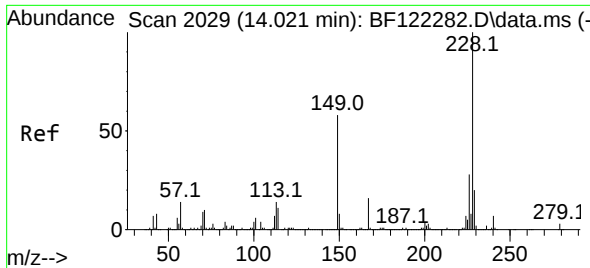
Tgt Ion:244 Resp: 1622057
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.5 8.1 12.1



#80
 Butylbenzylphthalate
 Concen: 3.34 ng
 RT: 13.439 min Scan# 1930
 Delta R.T. -0.012 min
 Lab File: BF122522.D
 Acq: 1 Dec 2020 15:07

Tgt Ion:149 Resp: 978
 Ion Ratio Lower Upper
 149 100
 91 71.6 61.0 91.4
 206 0.0 16.7 25.1#

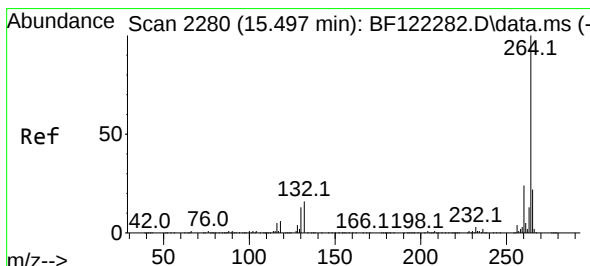
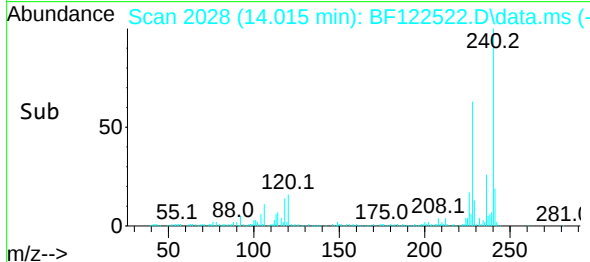
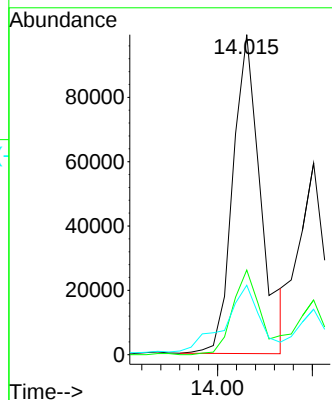
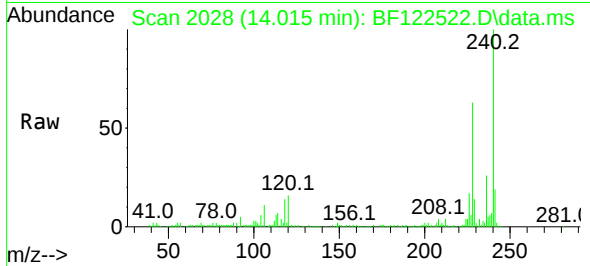




#81
Benzo(a)anthracene
Concen: 2.49 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

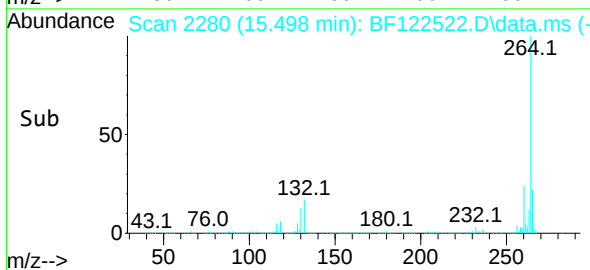
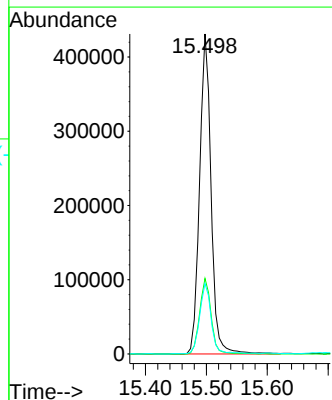
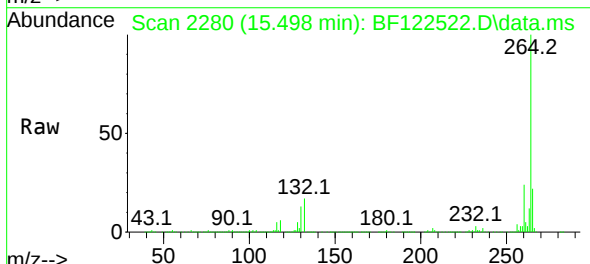
Instrument :
BNA_F
ClientSampleId :
4-DRUM

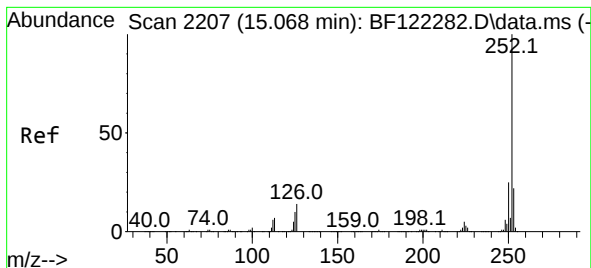
Tgt Ion:228 Resp: 101168
Ion Ratio Lower Upper
228 100
226 26.4 22.3 33.5
229 21.7 16.2 24.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.498 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF122522.D
Acq: 1 Dec 2020 15:07

Tgt Ion:264 Resp: 565772
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 22.0 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 2.61 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF122522.D

Acq: 1 Dec 2020 15:07

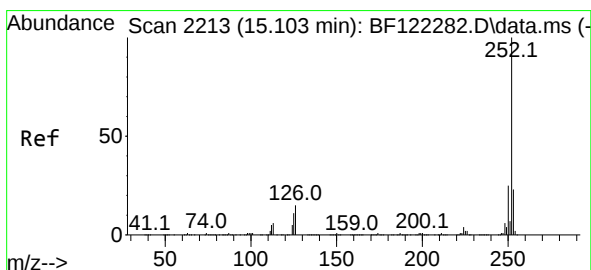
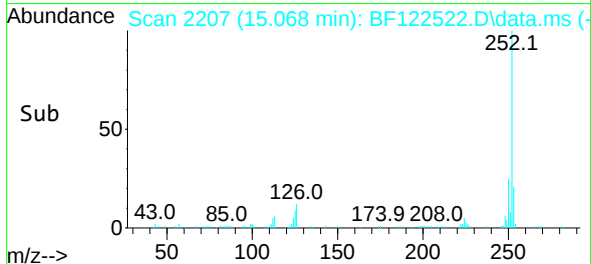
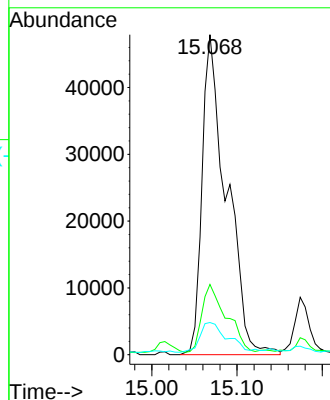
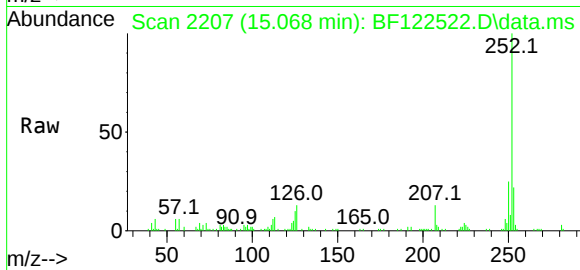
Tgt Ion:252 Resp: 95707

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

125 10.0 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 2.68 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.041 min

Lab File: BF122522.D

Acq: 1 Dec 2020 15:07

Tgt Ion:252 Resp: 95707

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 10.0 7.7 11.5

