

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052621\
 Data File : BF124080.D
 Acq On : 26 May 2021 23:57
 Operator : JU/CG
 Sample : M2535-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHOST-2D

Quant Time: May 27 04:54:59 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

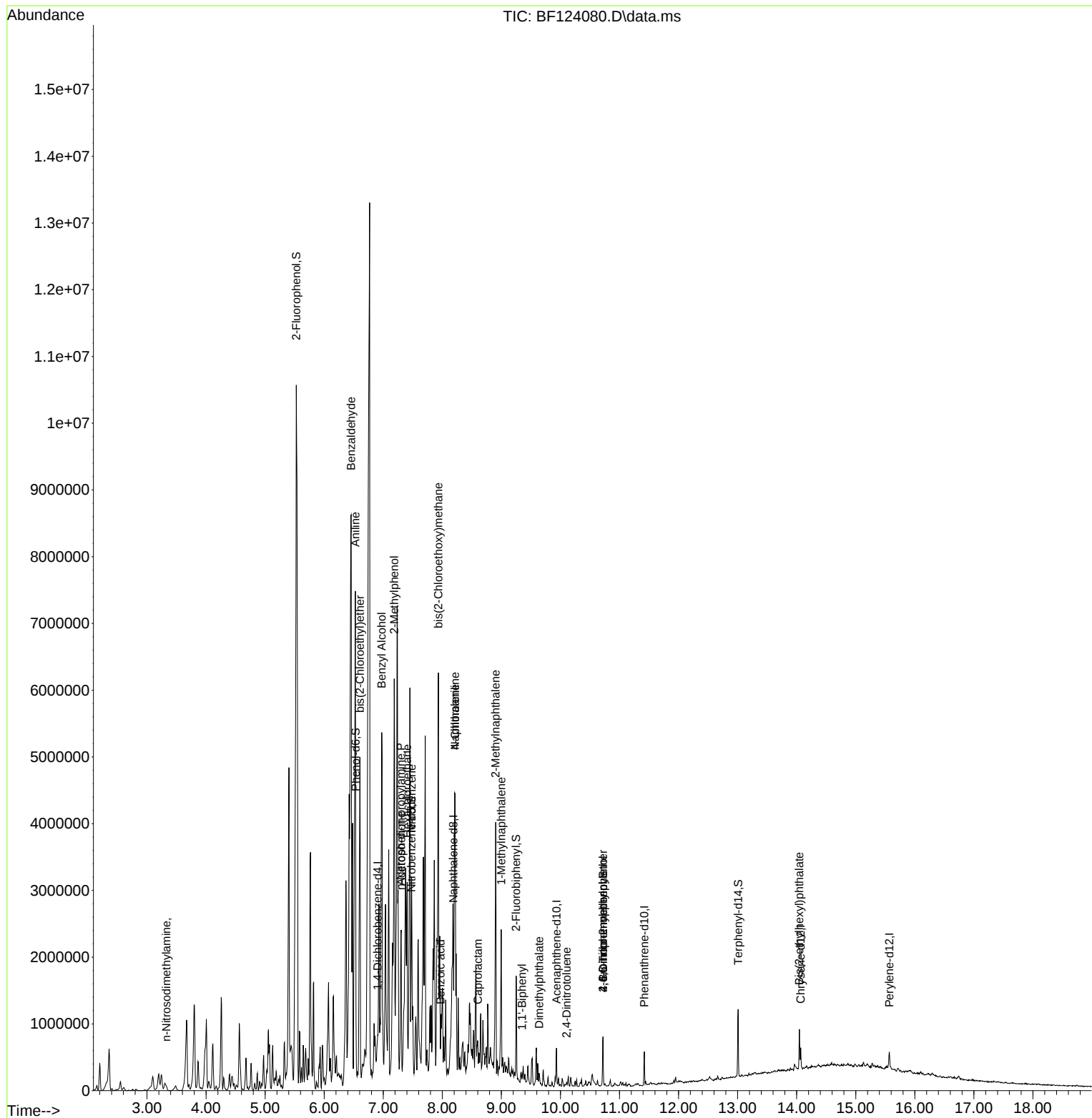
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	51760	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	194125	20.00	ng	# 0.00
39) Acenaphthene-d10	9.933	164	102202	20.00	ng	-0.01
64) Phenanthrene-d10	11.421	188	158146	20.00	ng	0.00
76) Chrysene-d12	14.068	240	106347	20.00	ng	0.00
86) Perylene-d12	15.568	264	104055	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	223825	60.71	ng	0.02
7) Phenol-d6	6.534	99	297619	62.23	ng	0.01
23) Nitrobenzene-d5	7.475	82	240919	53.47	ng	0.01
42) 2,4,6-Tribromophenol	10.721	330	80584	65.65	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	385583	46.43	ng	-0.01
79) Terphenyl-d14	13.010	244	295650	42.11	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.328	42	6670	2.46	ng	# 3
6) Aniline	6.528	93	17662	3.25	ng	# 1
9) Benzaldehyde	6.457	77	709021	342.63	ng	# 1
11) bis(2-Chloroethyl)ether	6.604	93	11880	3.16	ng	# 1
15) Benzyl Alcohol	6.975	79	240139	58.14	ng	# 16
17) 2-Methylphenol	7.186	107	17999	5.79	ng	# 1
18) Hexachloroethane	7.404	117	87787	51.80	ng	# 1
19) n-Nitroso-di-n-propyla...	7.298	70	15666	4.85	ng	# 43
22) Acetophenone	7.304	105	595889	108.10	ng	# 51
24) Nitrobenzene	7.481	77	41888	9.09	ng	# 1
28) bis(2-Chloroethoxy)met...	7.933	93	30474	6.99	ng	# 78
31) Naphthalene	8.216	128	1699653	147.94	ng	97
32) Benzoic acid	7.969	122	5744	3.15	ng	# 31
33) 4-Chloroaniline	8.216	127	241436	55.20	ng	# 35
35) Caprolactam	8.604	113	6972	7.62	ng	# 1
37) 2-Methylnaphthalene	8.904	142	1083279	139.12	ng	98
38) 1-Methylnaphthalene	8.998	142	466903	64.26	ng	95
46) 1,1'-Biphenyl	9.351	154	22544	2.50	ng	86
50) Dimethylphthalate	9.639	163	37928	4.65	ng	# 97
57) 2,4-Dinitrotoluene	10.104	165	4298	2.12	ng	# 35
65) 4,6-Dinitro-2-methylph...	10.721	198	427	5.81	ng	# 46
67) 4-Bromophenyl-phenylether	10.721	248	5405	2.60	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.045	149	140397	26.87	ng	96

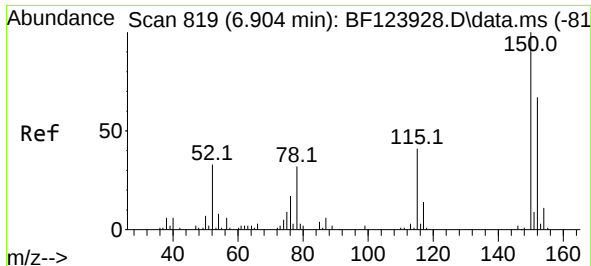
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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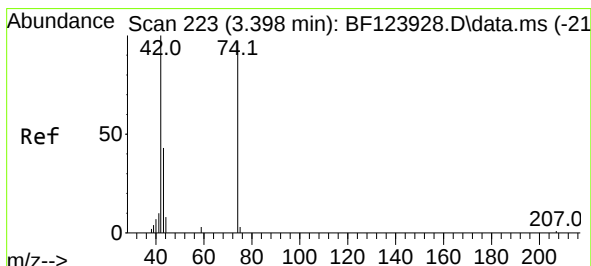
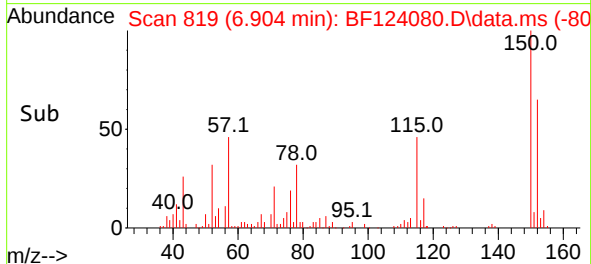
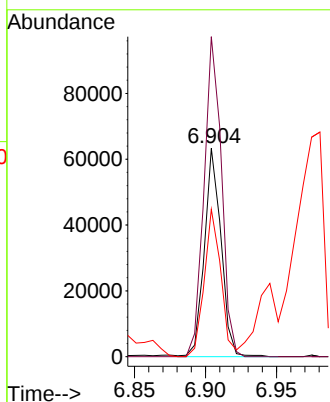
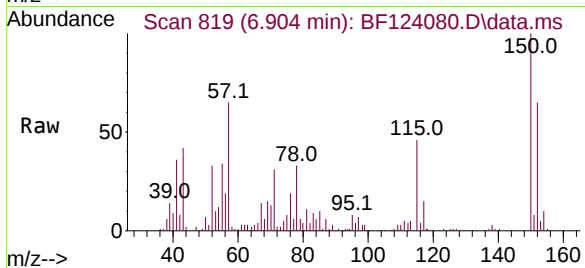




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

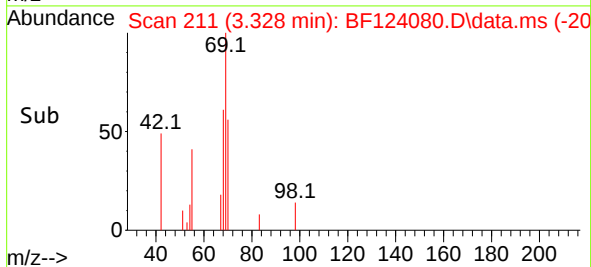
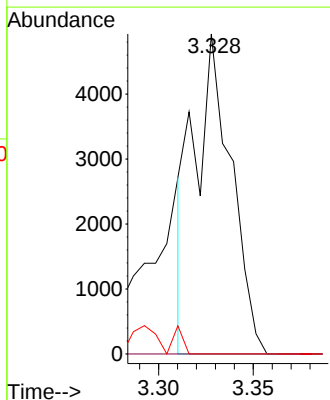
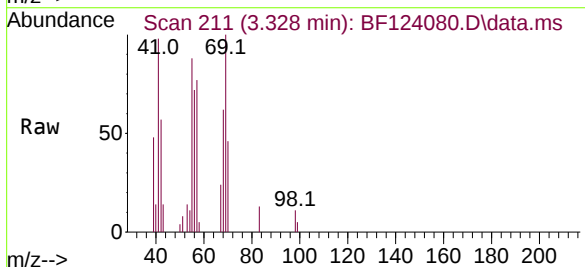
Instrument :
BNA_F
ClientSampleID :
GHOST-2D

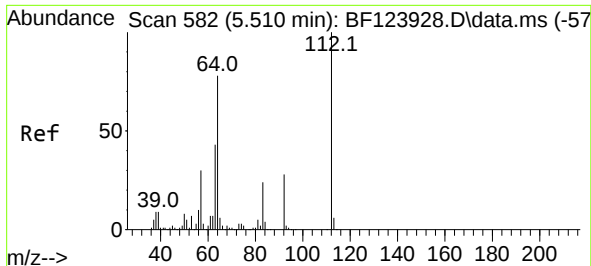
Tgt Ion:152 Resp: 51760
Ion Ratio Lower Upper
152 100
150 153.6 127.0 190.6
115 70.8 54.3 81.5



#4
n-Nitrosodimethylamine
Concen: 2.46 ng
RT: 3.328 min Scan# 211
Delta R.T. -0.071 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Tgt Ion: 42 Resp: 6670
Ion Ratio Lower Upper
42 100
74 0.0 83.5 125.3#
44 0.0 5.7 8.5#

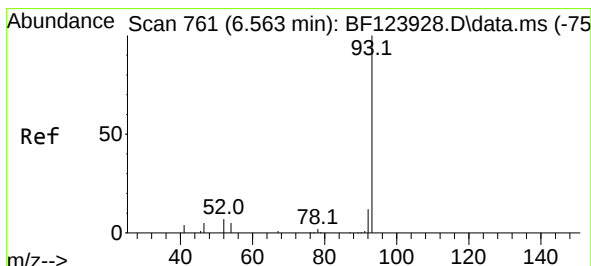
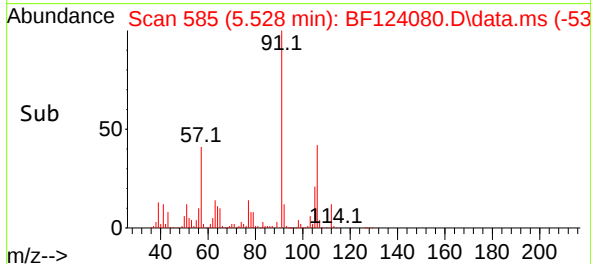
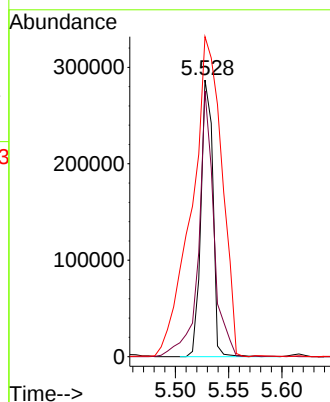
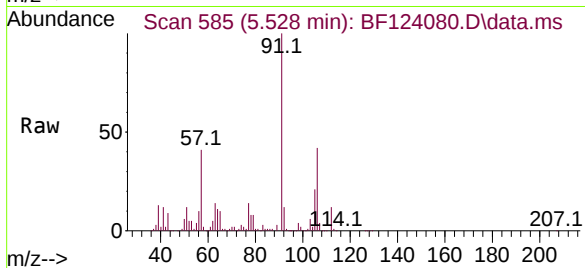




#5
2-Fluorophenol
Concen: 60.71 ng
RT: 5.528 min Scan# 585
Delta R.T. 0.018 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

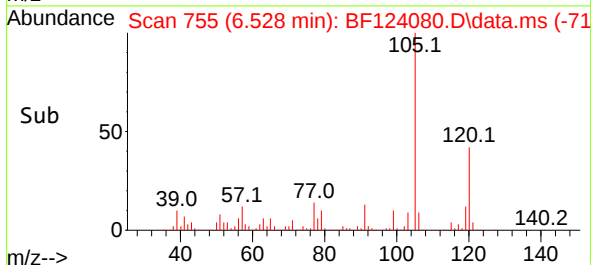
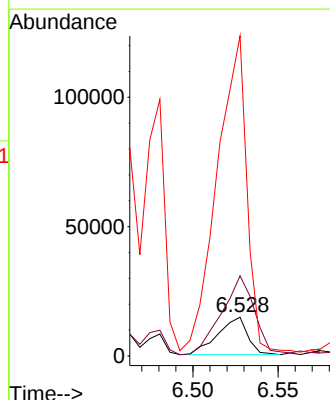
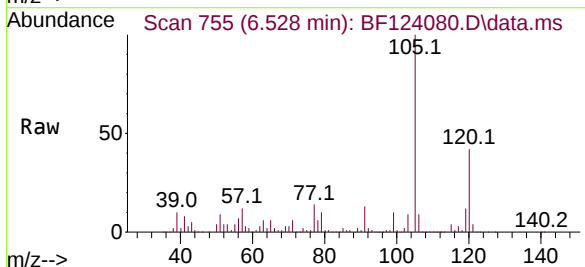
Instrument :
BNA_F
ClientSampled :
GHOST-2D

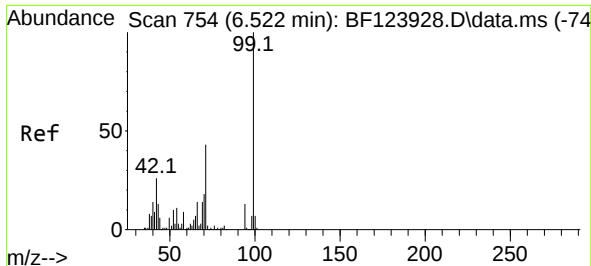
Tgt Ion:112 Resp: 223825
Ion Ratio Lower Upper
112 100
64 96.1 61.4 92.0#
63 115.7 33.0 49.4#



#6
Aniline
Concen: 3.25 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.035 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Tgt Ion: 93 Resp: 17662
Ion Ratio Lower Upper
93 100
66 206.9 36.4 54.6#
65 825.8 19.4 29.0#

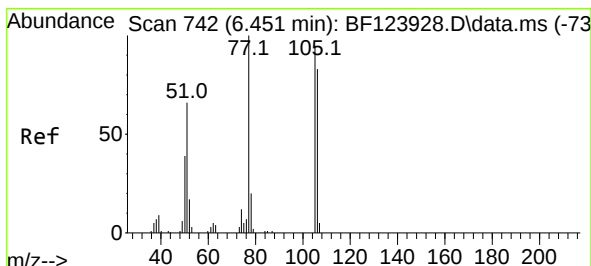
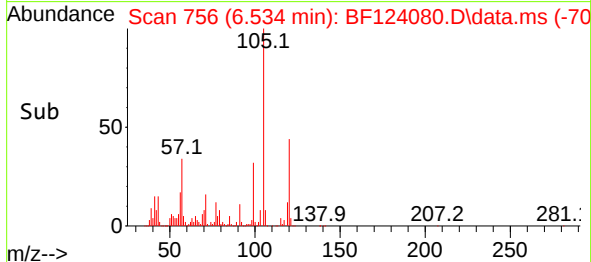
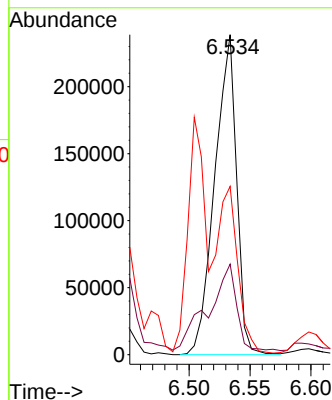
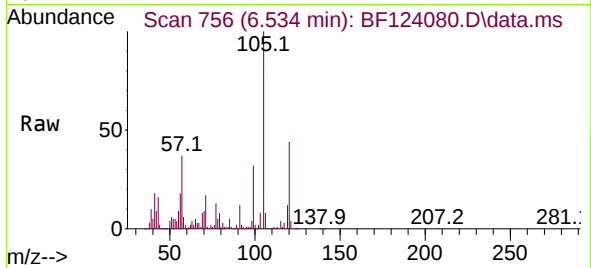




#7
Phenol-d6
Concen: 62.23 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.012 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

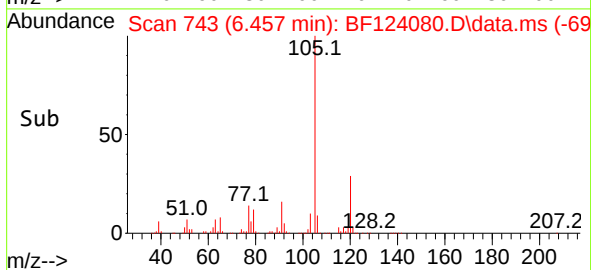
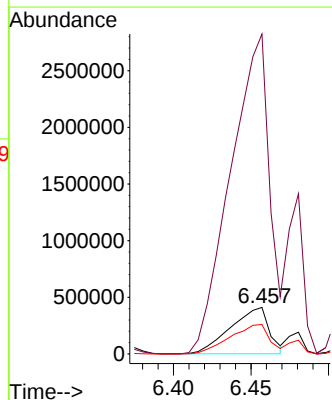
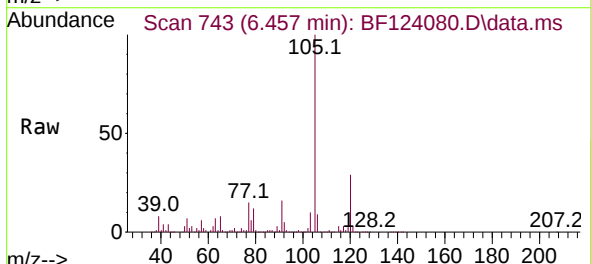
Instrument :
BNA_F
ClientSampled :
GHOST-2D

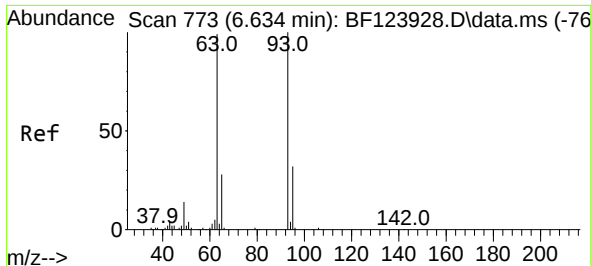
Tgt Ion: 99 Resp: 297619
Ion Ratio Lower Upper
99 100
42 28.3 19.8 29.8
71 52.6 31.1 46.7#



#9
Benzaldehyde
Concen: 342.63 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Tgt Ion: 77 Resp: 709021
Ion Ratio Lower Upper
77 100
105 687.6 75.2 115.2#
106 63.2 71.6 111.6#

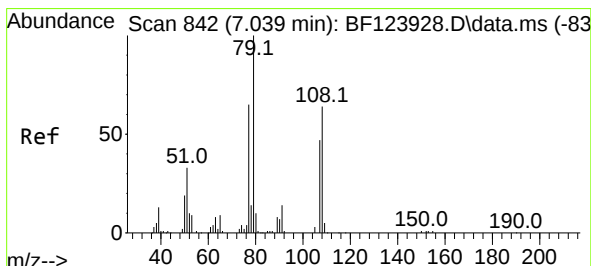
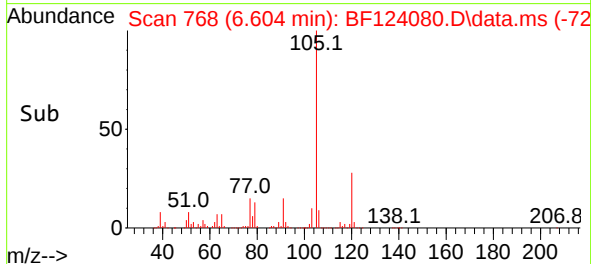
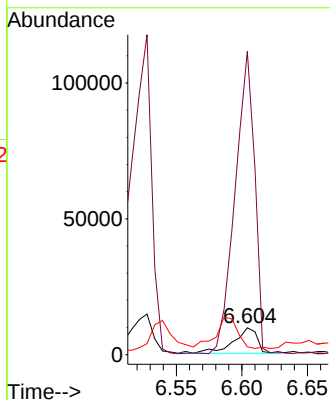
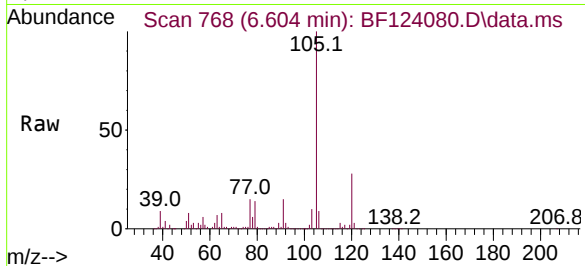




#11
bis(2-Chloroethyl)ether
Concen: 3.16 ng
RT: 6.604 min Scan# 768
Delta R.T. -0.029 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

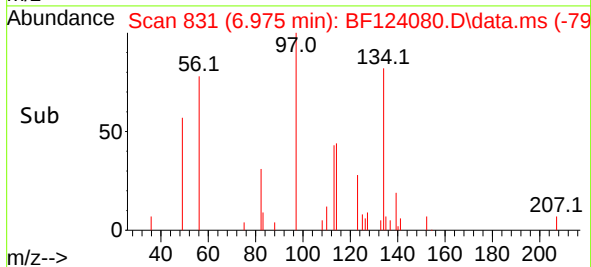
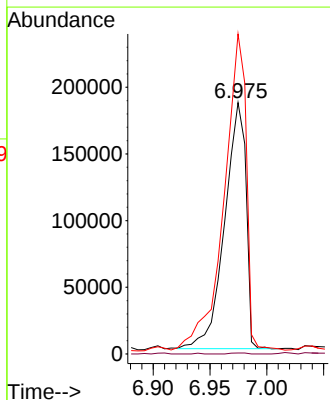
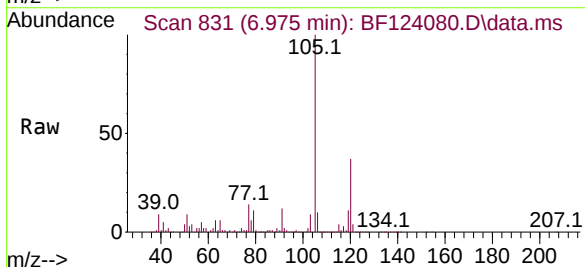
Instrument :
BNA_F
ClientSampleId :
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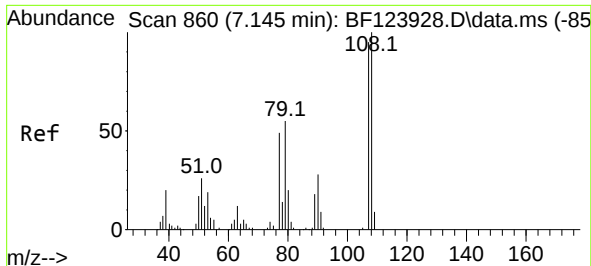
Tgt Ion: 93 Resp: 11880
Ion Ratio Lower Upper
93 100
63 1129.2 76.1 116.1#
95 29.2 11.5 51.5



#15
Benzyl Alcohol
Concen: 58.14 ng
RT: 6.975 min Scan# 831
Delta R.T. -0.065 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

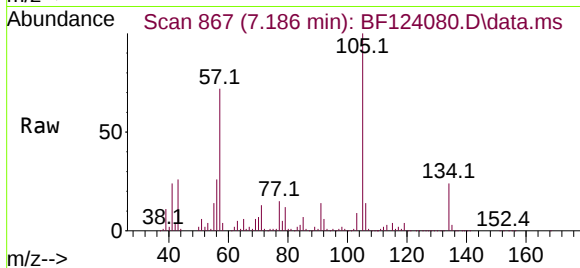
Tgt Ion: 79 Resp: 240139
Ion Ratio Lower Upper
79 100
108 0.4 55.8 83.8#
77 127.3 49.9 74.9#



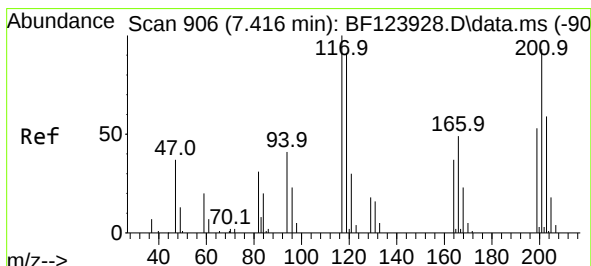
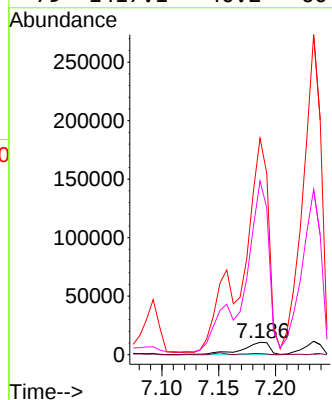
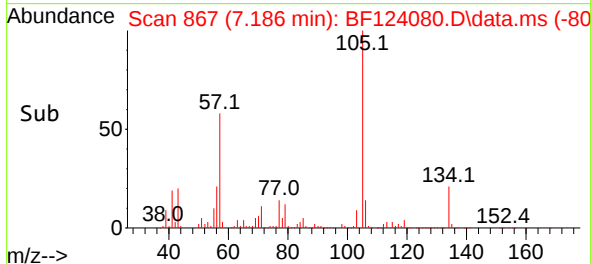


#17
2-Methylphenol
Concen: 5.79 ng
RT: 7.186 min Scan# 867
Delta R.T. 0.041 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

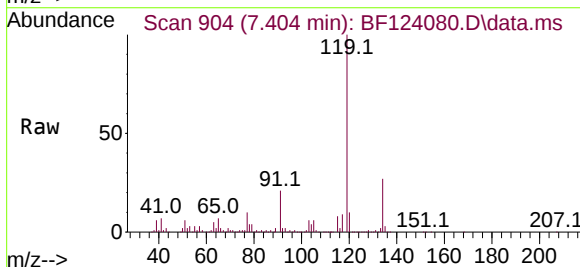
Instrument :
BNA_F
ClientSampled :
GHOST-2D



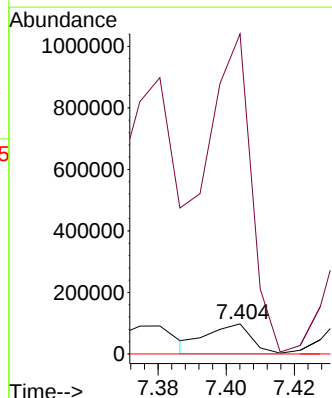
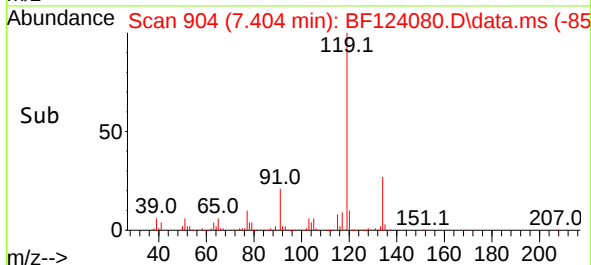
Tgt Ion:107 Resp: 17999
Ion Ratio Lower Upper
107 100
108 9.5 89.8 134.8#
77 1766.7 40.9 61.3#
79 1417.1 40.2 60.4#

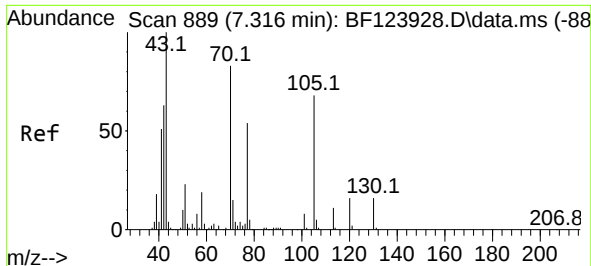


#18
Hexachloroethane
Concen: 51.80 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57



Tgt Ion:117 Resp: 87787
Ion Ratio Lower Upper
117 100
119 1061.5 77.8 116.8#
201 0.0 67.8 101.8#

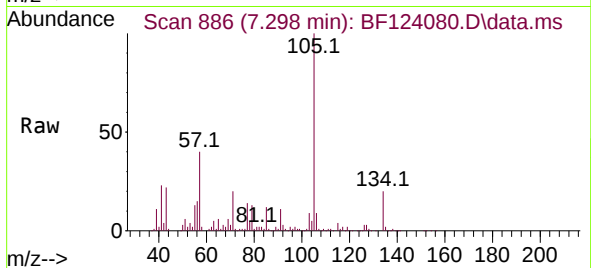




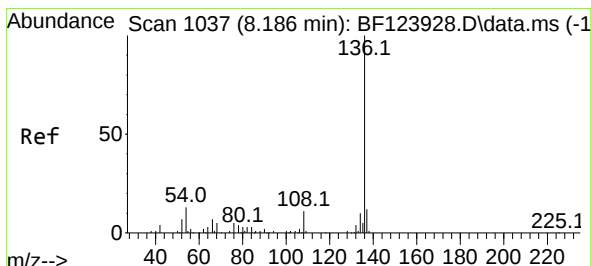
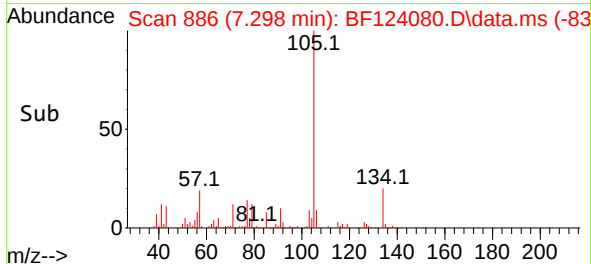
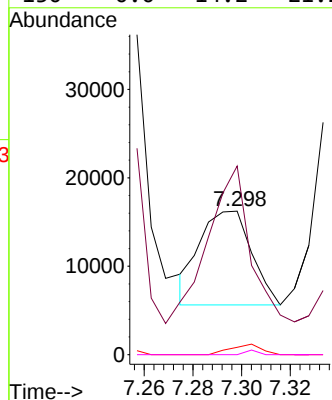
#19

n-Nitroso-di-n-propylamine
Concen: 4.85 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.018 min
Lab File: BF124080.D
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Instrument :
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ClientSampled :
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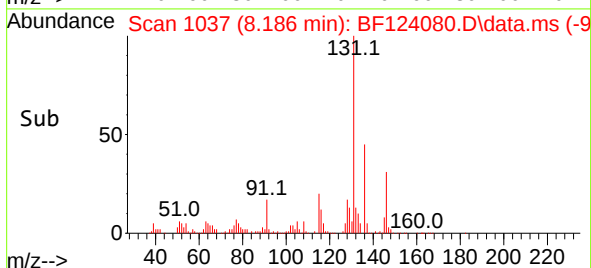
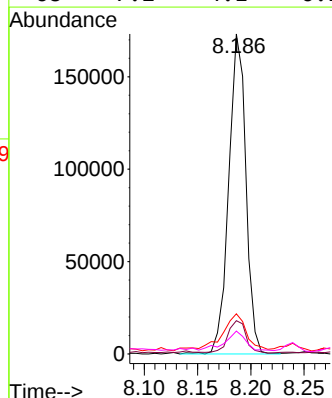
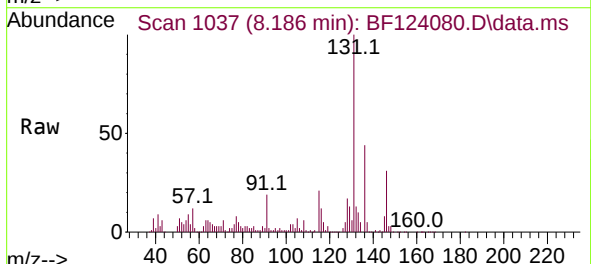
Tgt Ion:	70	Resp:	15666
Ion Ratio	100	Lower	Upper
70	100		
42	131.5	60.1	90.1#
101	5.1	7.4	11.2#
130	0.0	14.2	21.2#

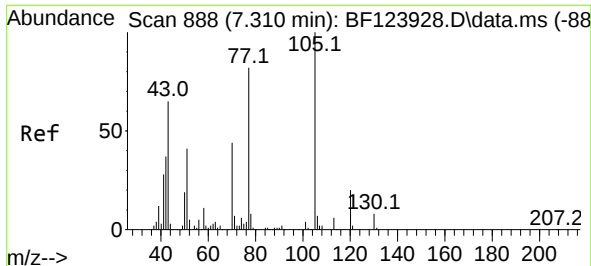


#21

Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

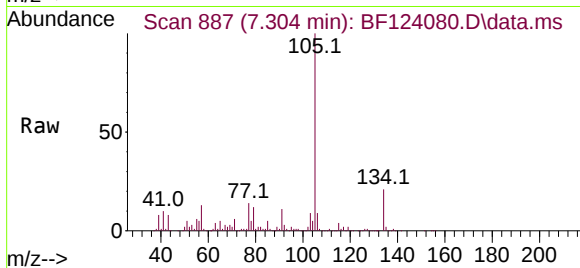
Tgt Ion:	136	Resp:	194125
Ion Ratio	100	Lower	Upper
136	100		
137	10.4	8.7	13.1
54	12.6	9.8	14.6
68	7.2	4.1	6.1#



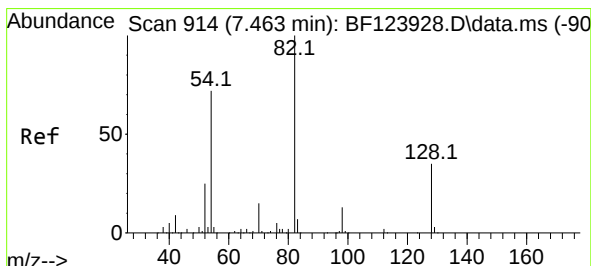
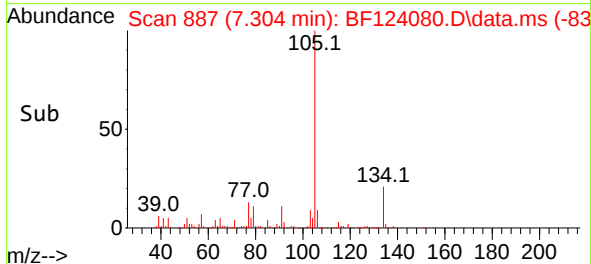
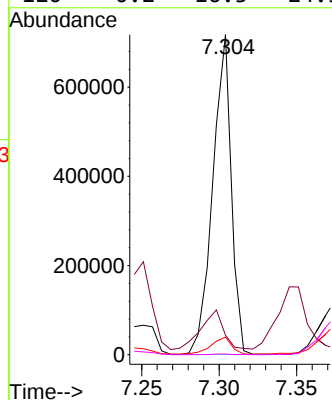


#22
Acetophenone
Concen: 108.10 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Instrument :
BNA_F
ClientSampleId :
GHOST-2D

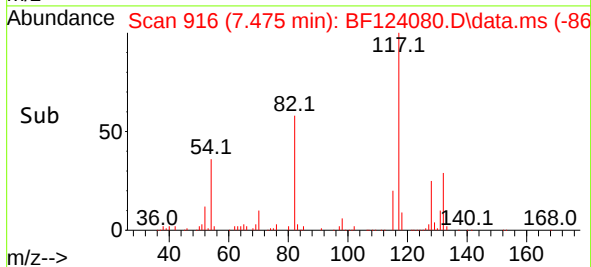
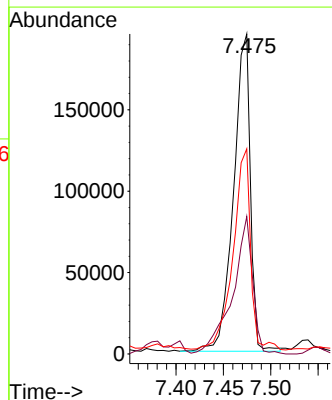
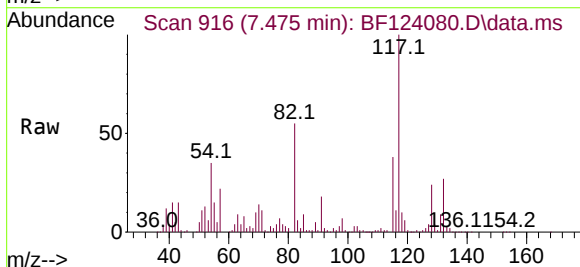


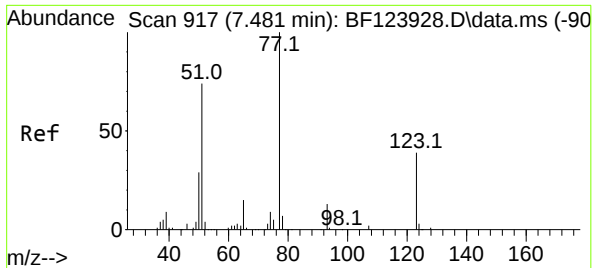
Tgt Ion:105 Resp: 595889
Ion Ratio Lower Upper
105 100
71 6.1 4.2 6.4
51 5.5 33.6 50.4#
120 0.2 16.3 24.5#



#23
Nitrobenzene-d5
Concen: 53.47 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.012 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Tgt Ion: 82 Resp: 240919
Ion Ratio Lower Upper
82 100
128 42.9 29.4 44.2
54 64.1 54.1 81.1

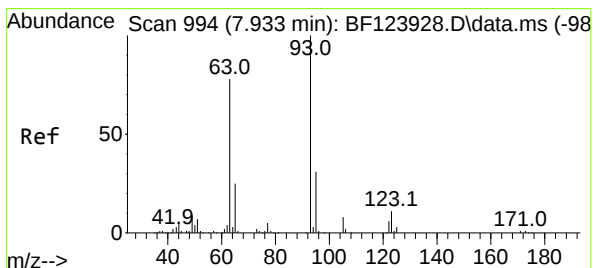
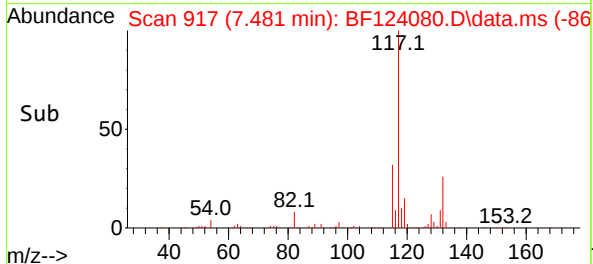
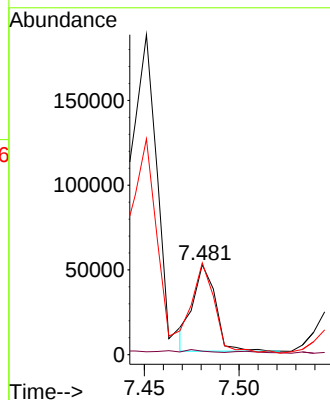
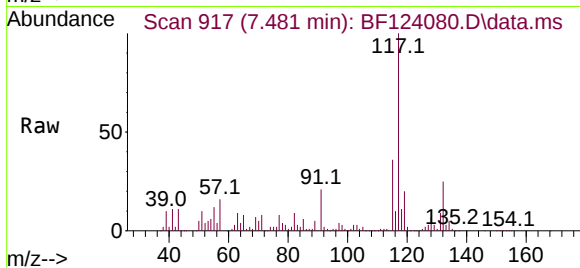




#24
Nitrobenzene
Concen: 9.09 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.000 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

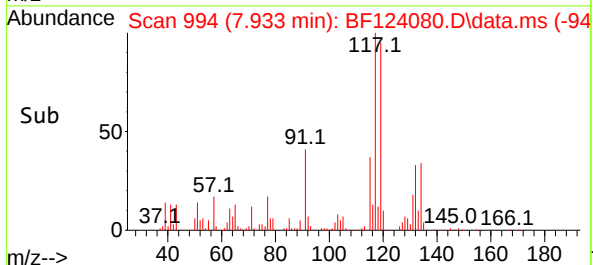
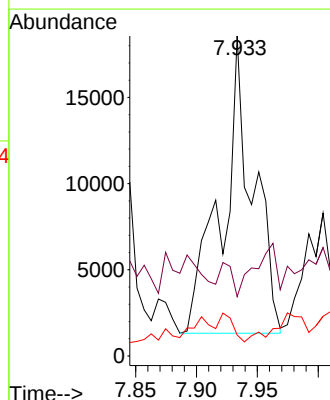
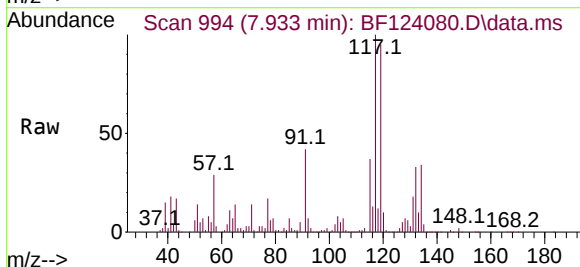
Instrument :
BNA_F
ClientSampled :
GHOST-2D

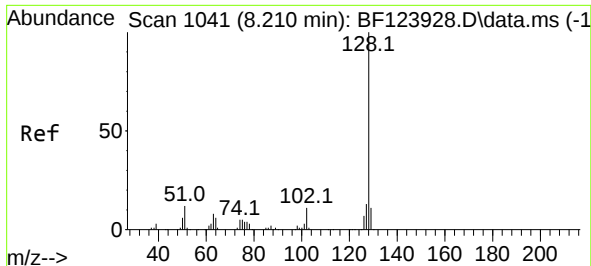
Tgt Ion: 77 Resp: 41888
Ion Ratio Lower Upper
77 100
123 4.0 34.5 51.7#
65 102.2 12.2 18.2#



#28
bis(2-Chloroethoxy)methane
Concen: 6.99 ng
RT: 7.933 min Scan# 994
Delta R.T. -0.000 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Tgt Ion: 93 Resp: 30474
Ion Ratio Lower Upper
93 100
95 18.5 26.5 39.7#
123 6.6 8.4 12.6#

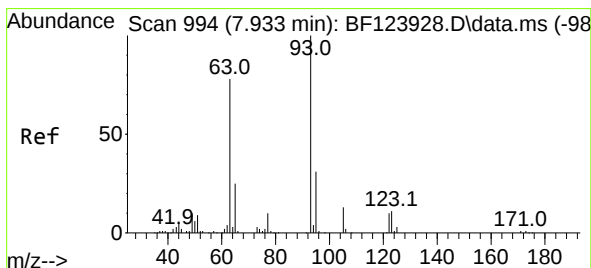
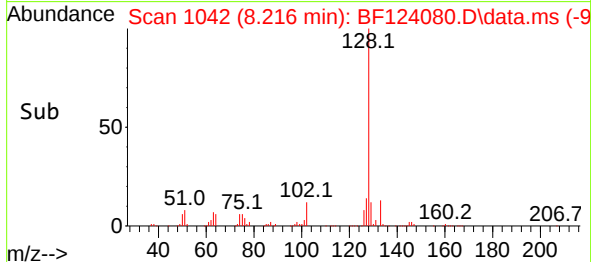
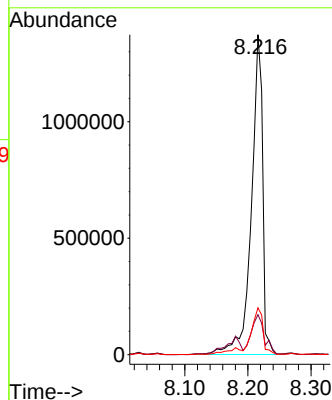
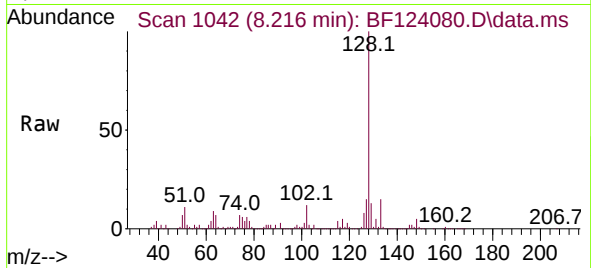




#31
Naphthalene
Concen: 147.94 ng
RT: 8.216 min Scan# 1042
Delta R.T. 0.006 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

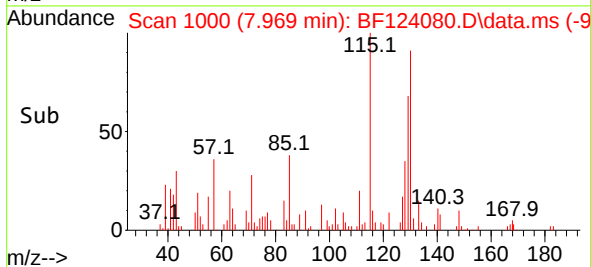
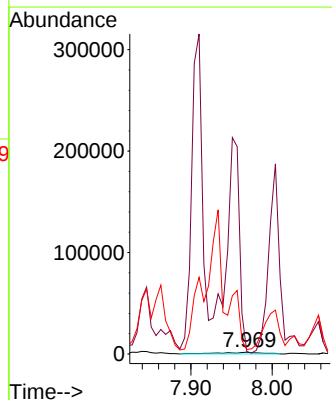
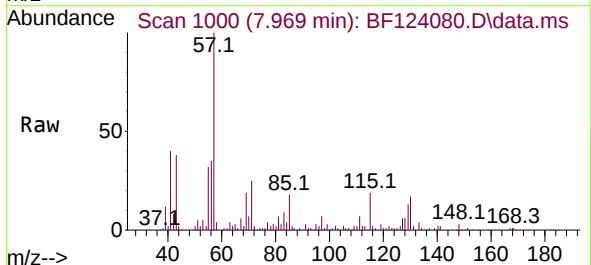
Instrument :
BNA_F
ClientSampleId :
GHOST-2D

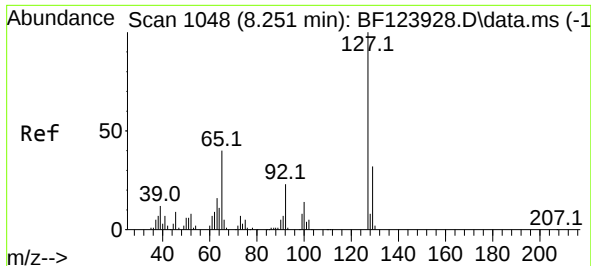
Tgt Ion:128 Resp: 1699653
Ion Ratio Lower Upper
128 100
129 12.5 8.9 13.3
127 14.7 10.8 16.2



#32
Benzoic acid
Concen: 3.15 ng
RT: 7.969 min Scan# 1000
Delta R.T. 0.035 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

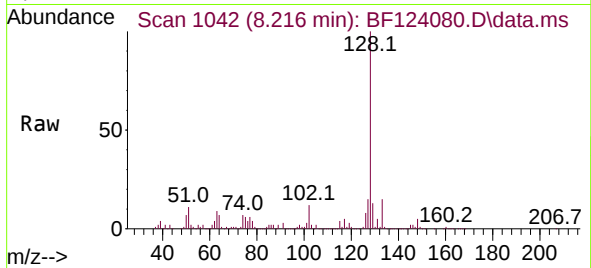
Tgt Ion:122 Resp: 5744
Ion Ratio Lower Upper
122 100
105 135.8 107.8 147.8
77 249.6 81.6 121.6#



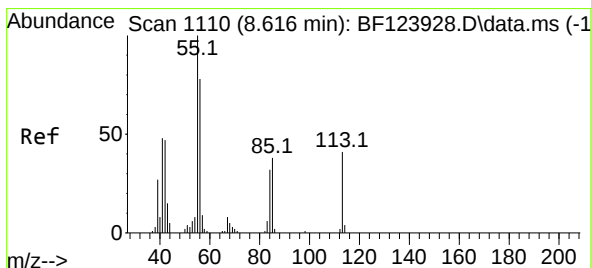
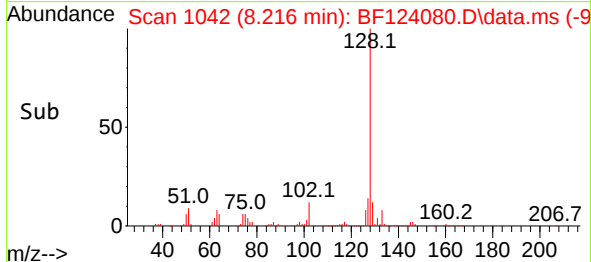
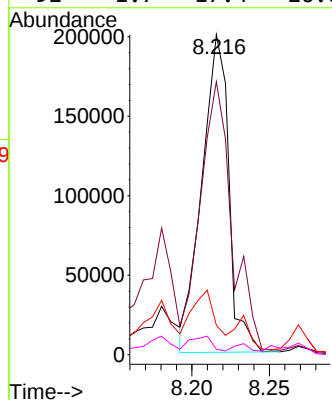


#33
4-Chloroaniline
Concen: 55.20 ng
RT: 8.216 min Scan# 1042
Delta R.T. -0.035 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Instrument :
BNA_F
ClientSampleId :
GHOST-2D

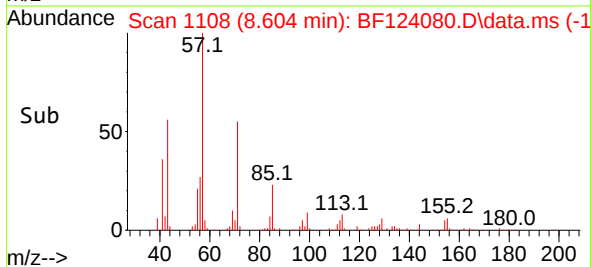
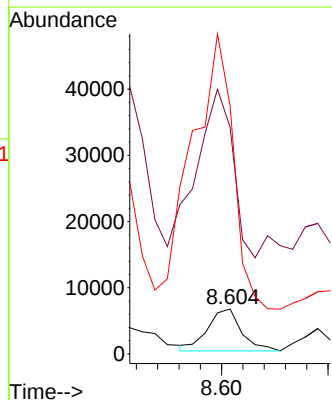
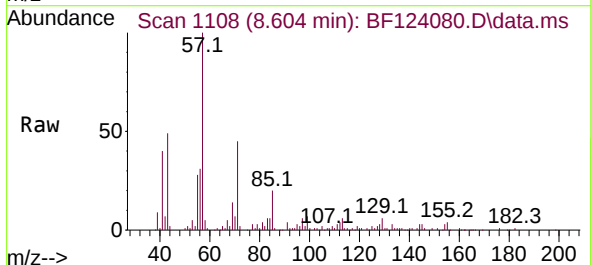


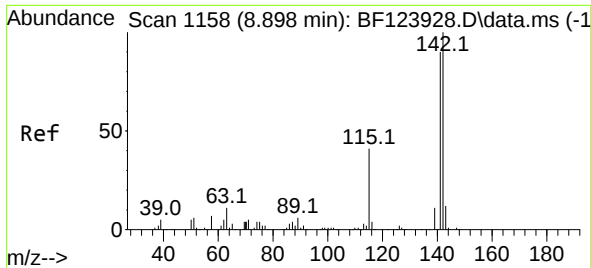
Tgt Ion:127 Resp: 241436
Ion Ratio Lower Upper
127 100
129 85.3 25.7 38.5#
65 9.2 34.5 51.7#
92 1.7 17.4 26.0#



#35
Caprolactam
Concen: 7.62 ng
RT: 8.604 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Tgt Ion:113 Resp: 6972
Ion Ratio Lower Upper
113 100
55 503.1 254.9 294.9#
56 550.8 179.4 219.4#

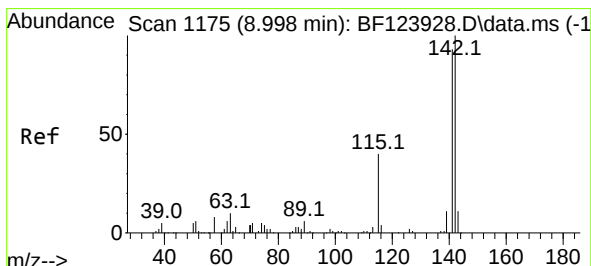
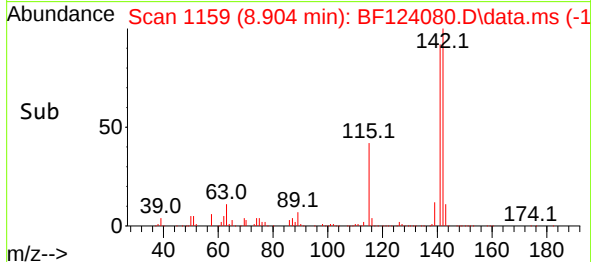
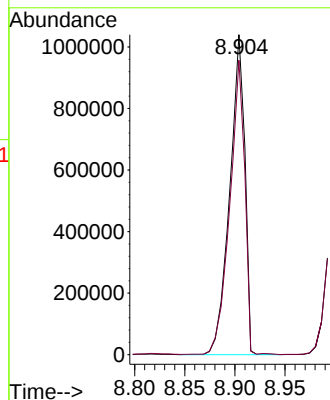
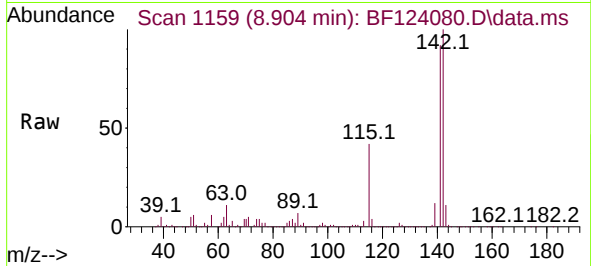




#37
2-Methylnaphthalene
Concen: 139.12 ng
RT: 8.904 min Scan# 1159
Delta R.T. 0.006 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

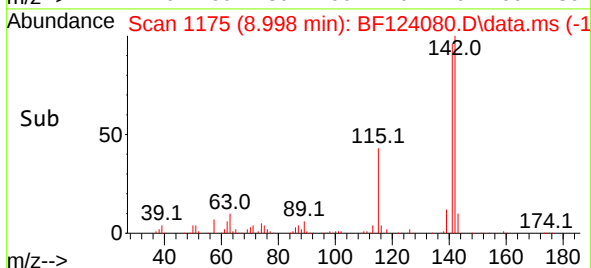
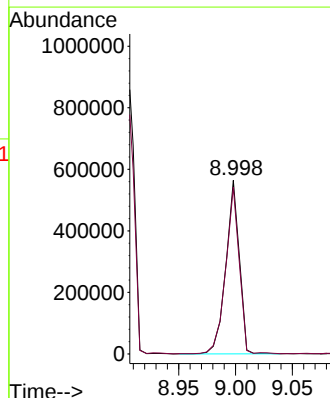
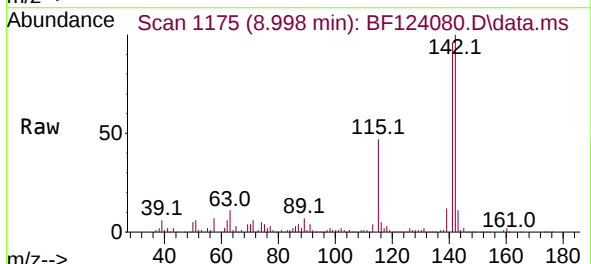
Instrument :
BNA_F
ClientSampled :
GHOST-2D

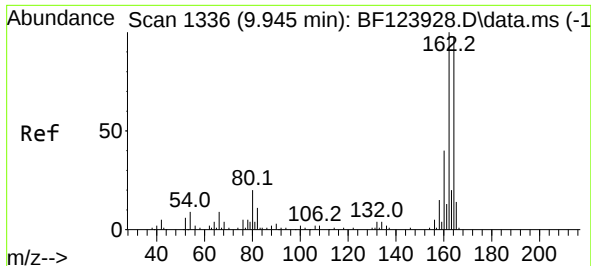
Tgt Ion:142 Resp: 1083279
Ion Ratio Lower Upper
142 100
141 92.0 71.8 107.6



#38
1-Methylnaphthalene
Concen: 64.26 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Tgt Ion:142 Resp: 466903
Ion Ratio Lower Upper
142 100
141 96.1 72.8 109.2





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.933 min Scan# 1334

Delta R.T. -0.012 min

Lab File: BF124080.D

Acq: 26 May 2021 23:57

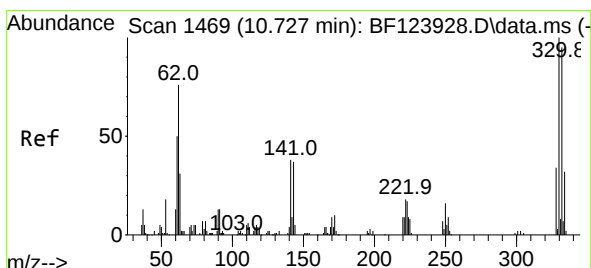
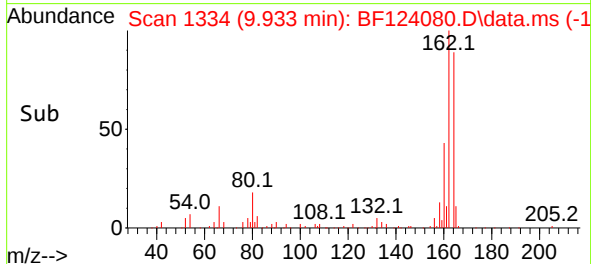
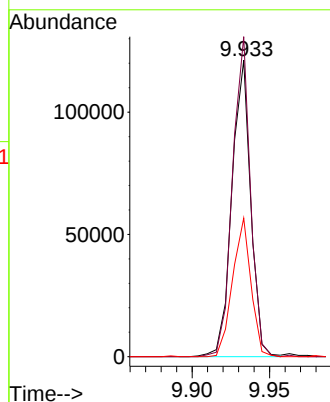
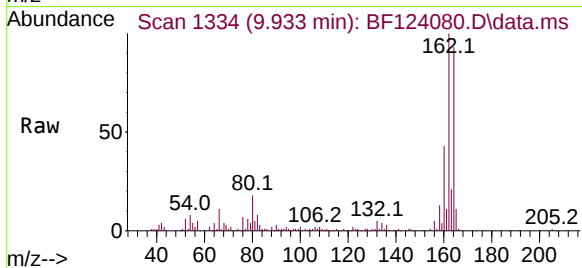
Tgt Ion:164 Resp: 102202

Ion Ratio Lower Upper

164 100

162 107.9 80.7 121.1

160 46.8 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 65.65 ng

RT: 10.721 min Scan# 1468

Delta R.T. -0.006 min

Lab File: BF124080.D

Acq: 26 May 2021 23:57

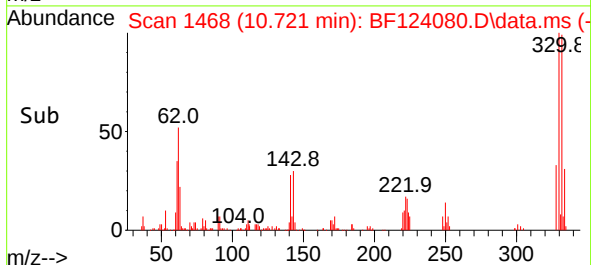
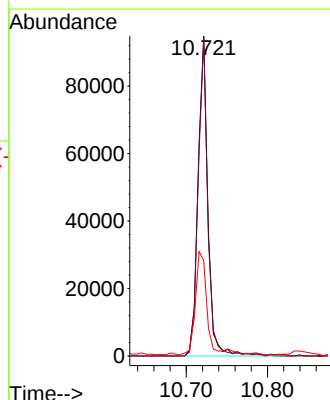
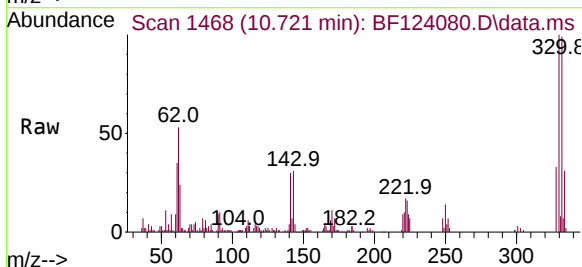
Tgt Ion:330 Resp: 80584

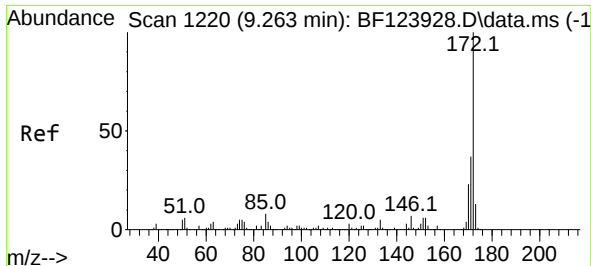
Ion Ratio Lower Upper

330 100

332 96.5 77.1 115.7

141 36.2 27.9 41.9

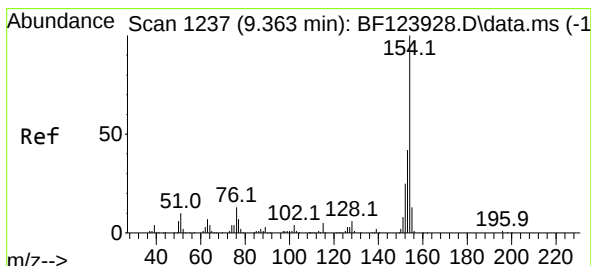
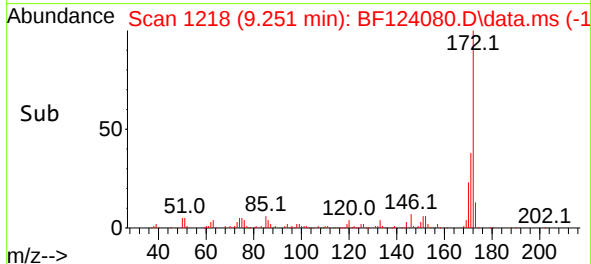
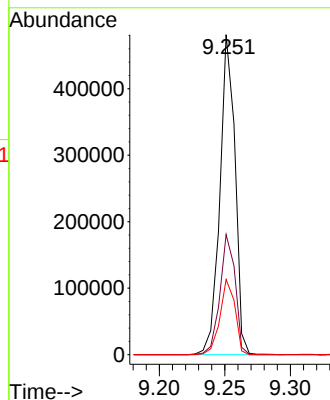
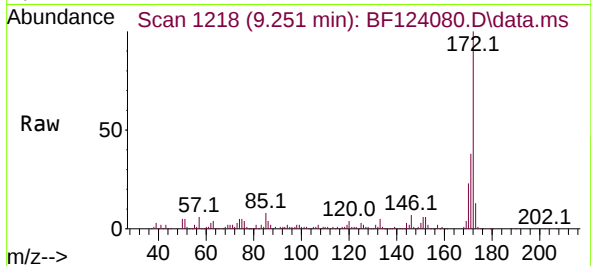




#45
2-Fluorobiphenyl
Concen: 46.43 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

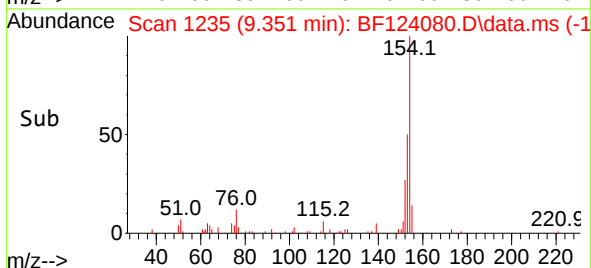
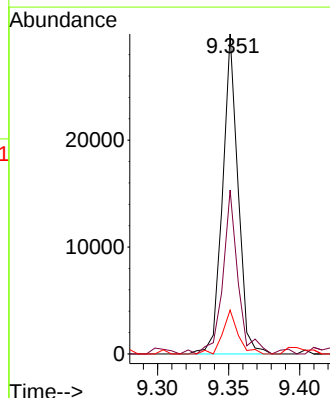
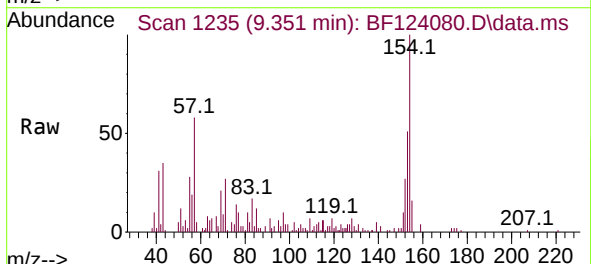
Instrument :
BNA_F
ClientSampleID :
GHOST-2D

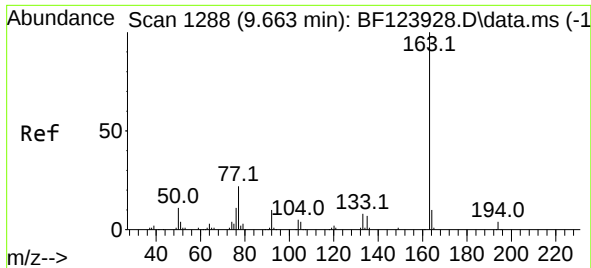
Tgt Ion:172 Resp: 385583
Ion Ratio Lower Upper
172 100
171 37.6 28.1 42.1
170 23.5 19.2 28.8



#46
1,1'-Biphenyl
Concen: 2.50 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Tgt Ion:154 Resp: 22544
Ion Ratio Lower Upper
154 100
153 51.2 20.7 60.7
76 13.7 0.0 31.7

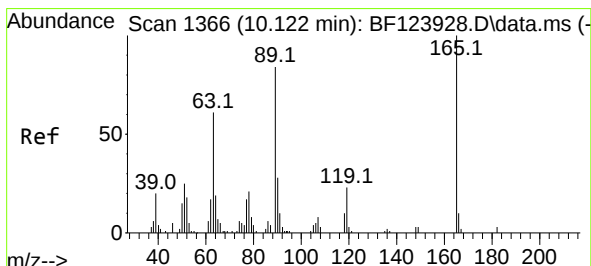
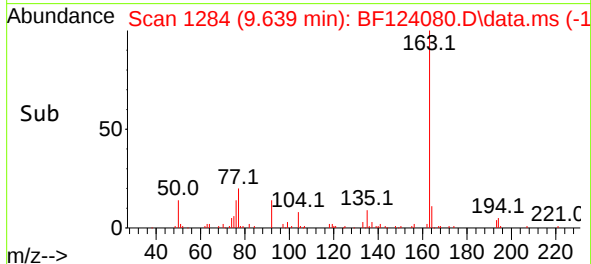
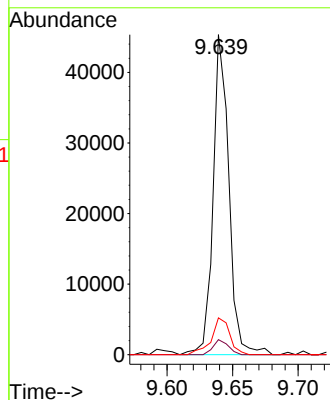
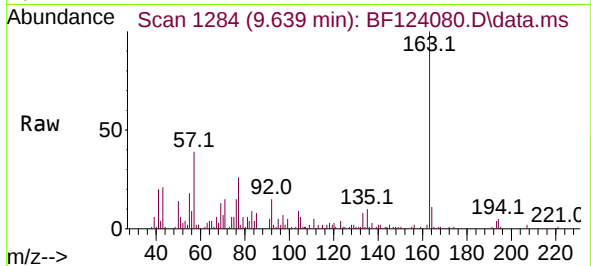




#50
Dimethylphthalate
Concen: 4.65 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

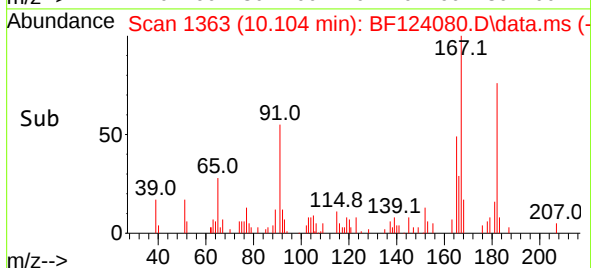
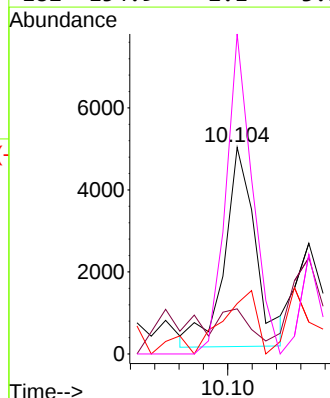
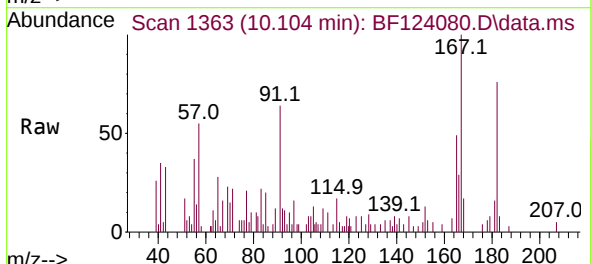
Instrument :
BNA_F
ClientSampleId :
GHOST-2D

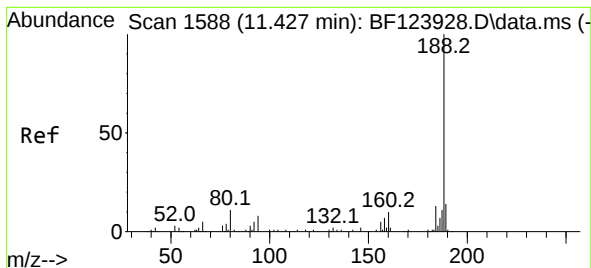
Tgt Ion:163 Resp: 37928
Ion Ratio Lower Upper
163 100
194 4.7 3.1 4.7#
164 11.5 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 2.12 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.018 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Tgt Ion:165 Resp: 4298
Ion Ratio Lower Upper
165 100
63 21.9 43.5 65.3#
89 24.4 67.7 101.5#
182 154.9 2.1 3.1#

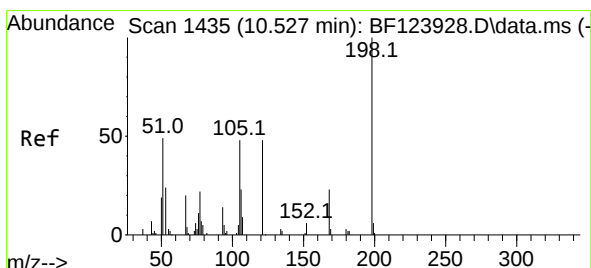
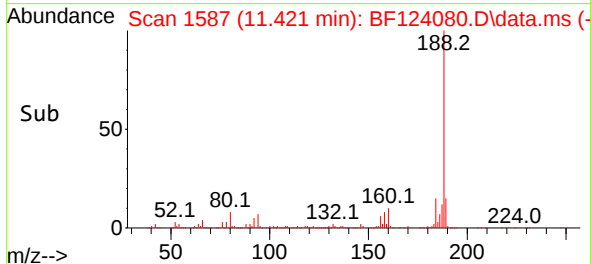
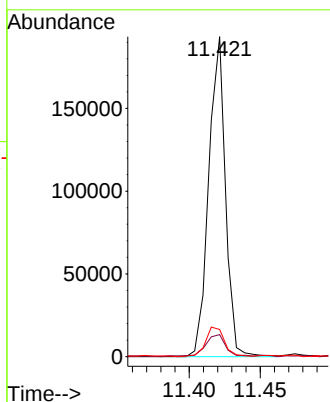
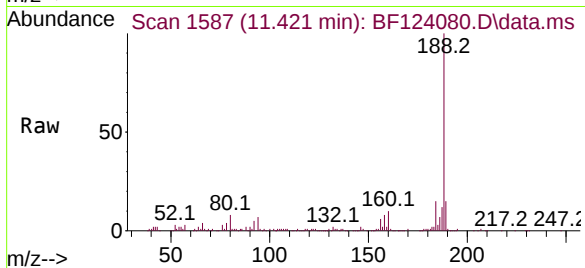




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

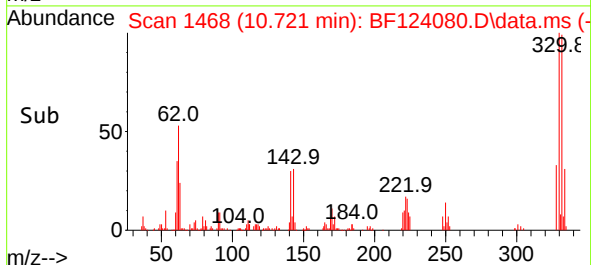
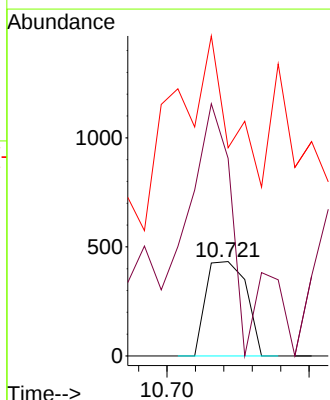
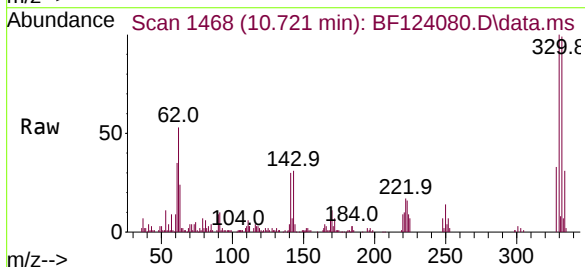
Instrument :
BNA_F
ClientSampleId :
GHOST-2D

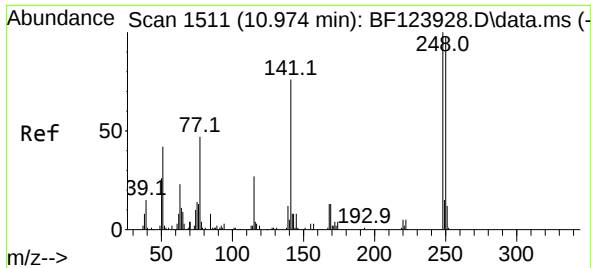
Tgt Ion:188 Resp: 158146
Ion Ratio Lower Upper
188 100
94 6.9 6.9 10.3
80 8.5 8.2 12.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.81 ng
RT: 10.721 min Scan# 1468
Delta R.T. 0.194 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Tgt Ion:198 Resp: 427
Ion Ratio Lower Upper
198 100
51 55.2 64.8 104.8#
105 126.1 42.6 82.6#

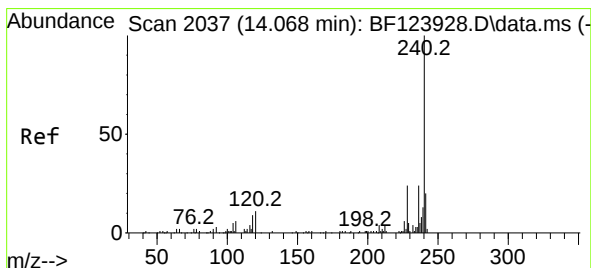
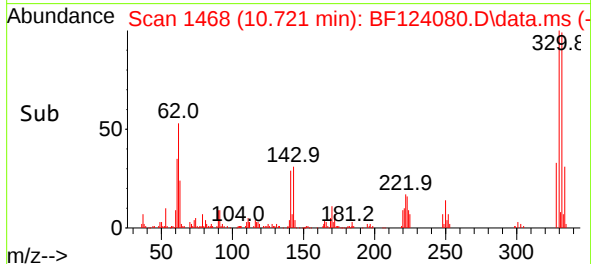
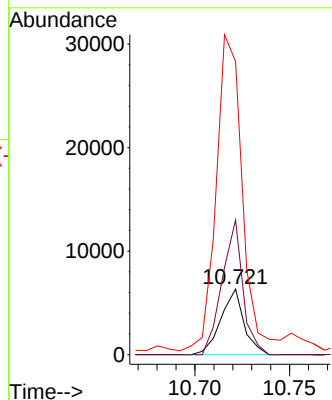
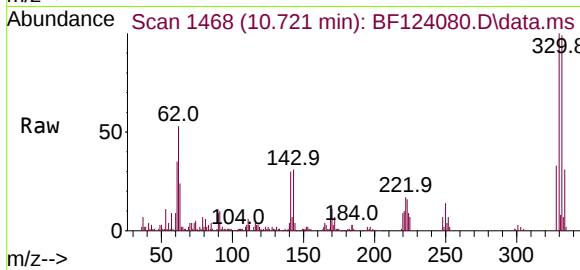




#67
4-Bromophenyl-phenylether
Concen: 2.60 ng
RT: 10.721 min Scan# 1468
Delta R.T. -0.253 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

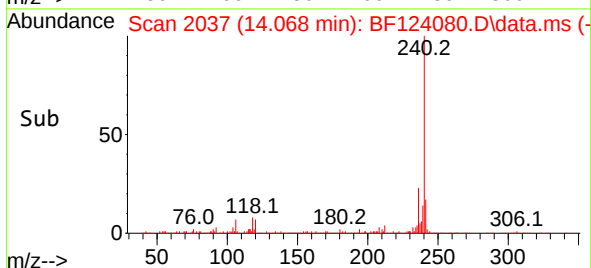
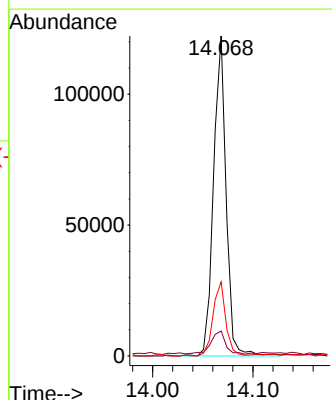
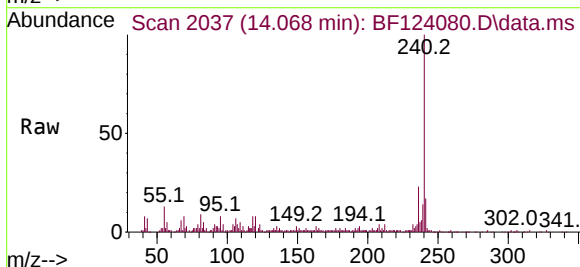
Instrument :
BNA_F
ClientSampleId :
GHOST-2D

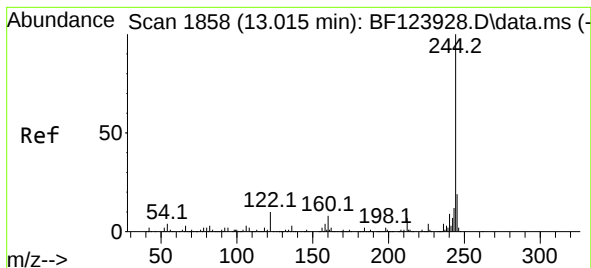
Tgt Ion:248 Resp: 5405
Ion Ratio Lower Upper
248 100
250 205.2 77.4 116.2#
141 446.6 63.7 95.5#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Tgt Ion:240 Resp: 106347
Ion Ratio Lower Upper
240 100
120 7.8 7.2 10.8
236 23.1 19.0 28.4





#79

Terphenyl-d14

Concen: 42.11 ng

RT: 13.010 min Scan# 1857

Delta R.T. -0.006 min

Lab File: BF124080.D

Acq: 26 May 2021 23:57

Tgt Ion:244 Resp: 295650

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

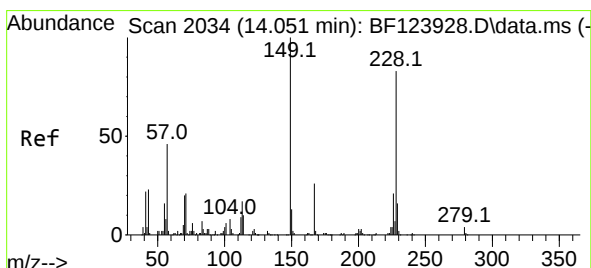
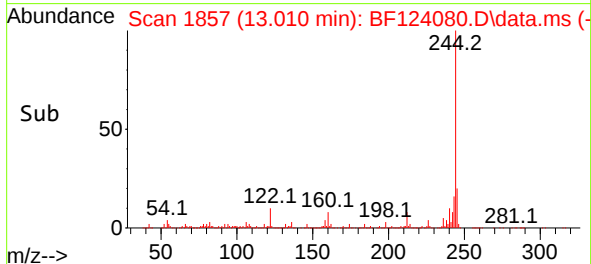
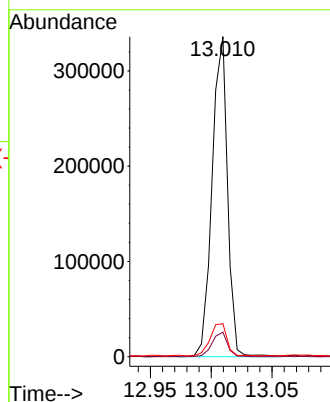
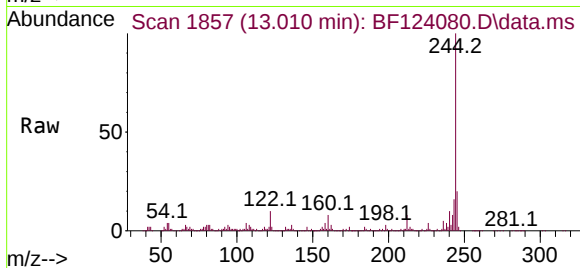
122 10.3 9.7 14.5

Instrument :

BNA_F

ClientSampleId :

GHOST-2D



#84

Bis(2-ethylhexyl)phthalate

Concen: 26.87 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF124080.D

Acq: 26 May 2021 23:57

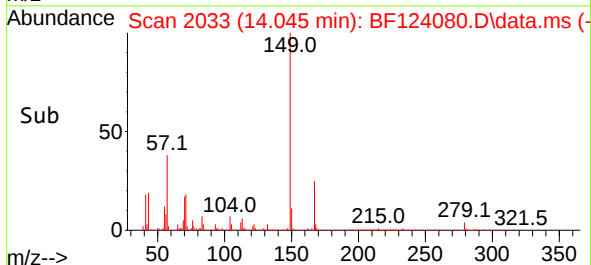
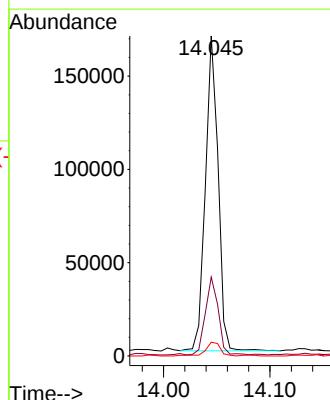
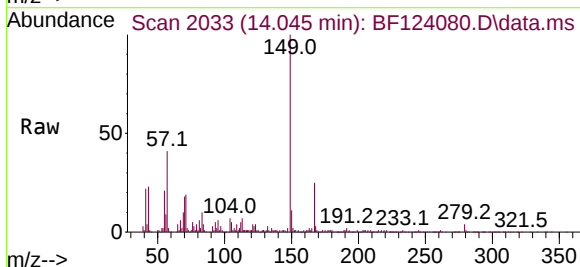
Tgt Ion:149 Resp: 140397

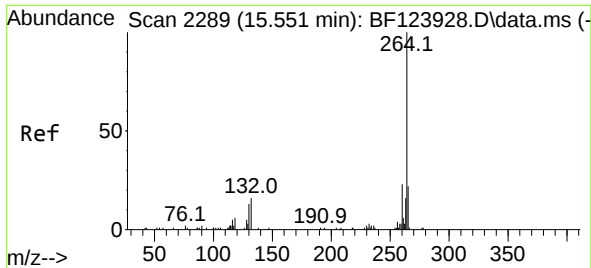
Ion Ratio Lower Upper

149 100

167 24.6 21.8 32.6

279 4.3 3.3 4.9





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.018 min
Lab File: BF124080.D
Acq: 26 May 2021 23:57

Instrument :
BNA_F
ClientSampleId :
GHOST-2D

Tgt Ion:264	Resp:	104055
Ion Ratio	Lower	Upper
264	100	
260	21.9	18.7 28.1
265	22.7	17.8 26.8

