

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052621\
 Data File : BF124077.D
 Acq On : 26 May 2021 22:20
 Operator : JU/CG
 Sample : M2535-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHOST-2

Quant Time: May 27 04:54:27 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)

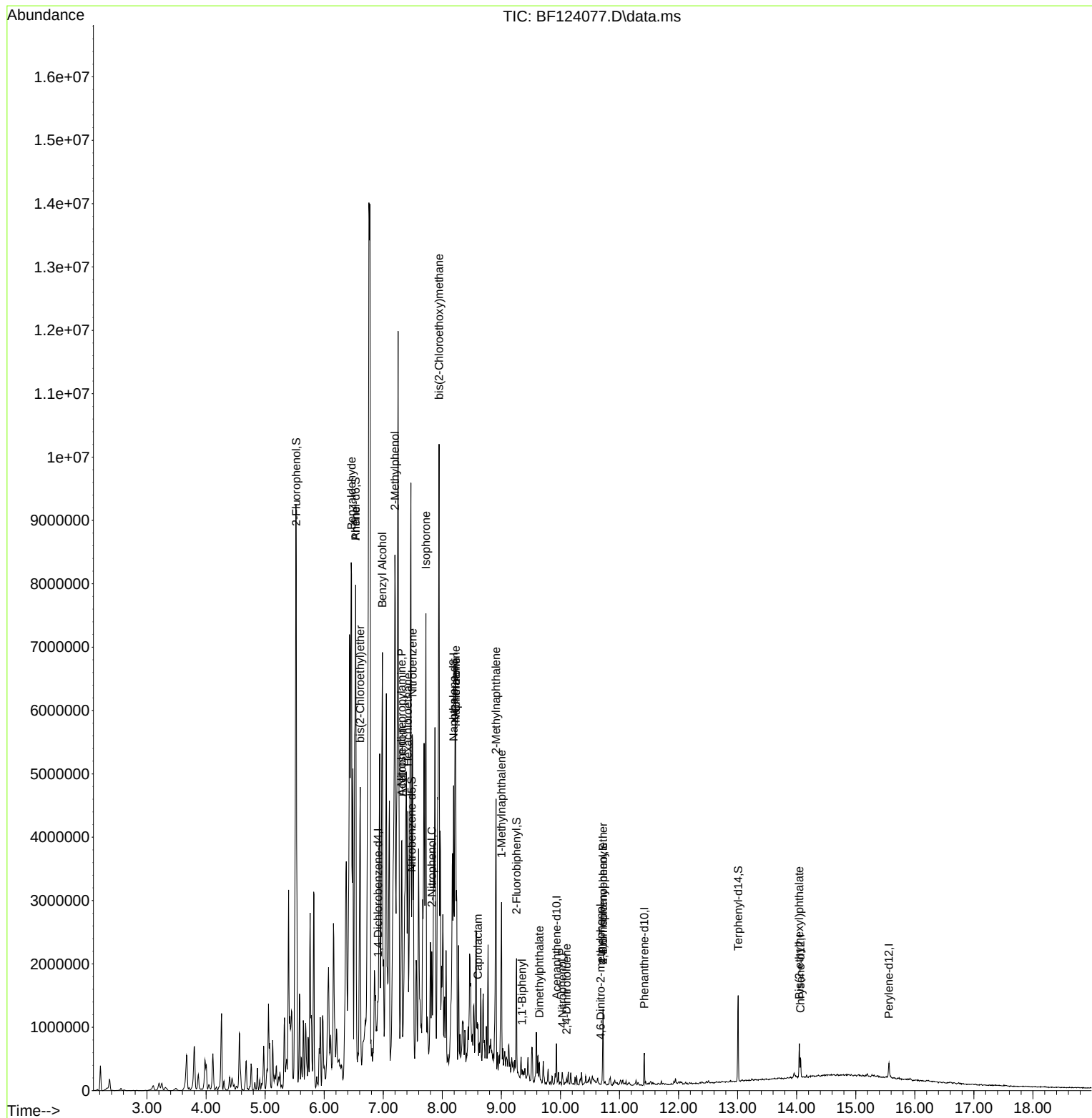
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	53871	20.00	ng	0.00
21) Naphthalene-d8	8.192	136	182695	20.00	ng	# 0.00
39) Acenaphthene-d10	9.933	164	103329	20.00	ng	-0.01
64) Phenanthrene-d10	11.422	188	170623	20.00	ng	0.00
76) Chrysene-d12	14.063	240	99230	20.00	ng	0.00
86) Perylene-d12	15.562	264	99401	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	308657	80.45	ng	0.02
7) Phenol-d6	6.534	99	406717	81.71	ng	0.01
23) Nitrobenzene-d5	7.481	82	324645	76.56	ng	0.02
42) 2,4,6-Tribromophenol	10.722	330	118650	95.60	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	482345	57.44	ng	0.00
79) Terphenyl-d14	13.010	244	388329	59.27	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	6.534	93	18074	3.20	ng	# 1
9) Benzaldehyde	6.463	77	688570	319.71	ng	# 1
11) bis(2-Chloroethyl)ether	6.610	93	13555	3.47	ng	# 1
15) Benzyl Alcohol	6.987	79	301430	70.12	ng	# 14
17) 2-Methylphenol	7.198	107	23727	7.33	ng	# 1
18) Hexachloroethane	7.416	117	110004	62.37	ng	# 1
19) n-Nitroso-di-n-propyla...	7.310	70	31402	9.34	ng	# 54
22) Acetophenone	7.316	105	946632	182.47	ng	# 50
24) Nitrobenzene	7.498	77	81191	18.73	ng	# 9
25) Isophorone	7.722	82	24823	3.04	ng	# 1
26) 2-Nitrophenol	7.822	139	3644	2.23	ng	# 1
28) bis(2-Chloroethoxy)met...	7.945	93	35224	8.59	ng	# 88
31) Naphthalene	8.228	128	2253066	208.38	ng	97
33) 4-Chloroaniline	8.228	127	403209	97.96	ng	# 36
35) Caprolactam	8.604	113	8862	10.30	ng	# 1
37) 2-Methylnaphthalene	8.910	142	1253450	171.04	ng	98
38) 1-Methylnaphthalene	9.004	142	571381	83.56	ng	93
46) 1,1'-Biphenyl	9.351	154	28842	3.17	ng	98
50) Dimethylphthalate	9.645	163	78515	9.52	ng	98
56) 4-Nitrophenol	10.033	139	4055	2.96	ng	# 32
57) 2,4-Dinitrotoluene	10.104	165	5746	2.81	ng	# 39
65) 4,6-Dinitro-2-methylph...	10.680	198	123	5.54	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	8612	3.84	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.045	149	127142	26.08	ng	94

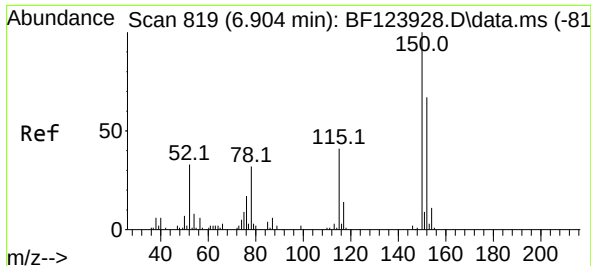
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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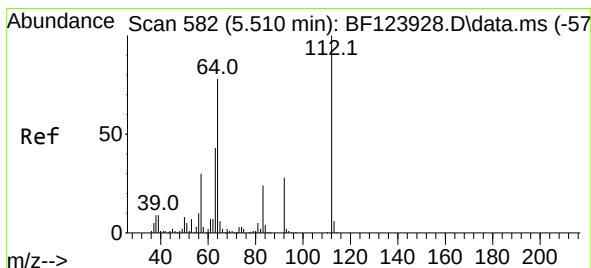
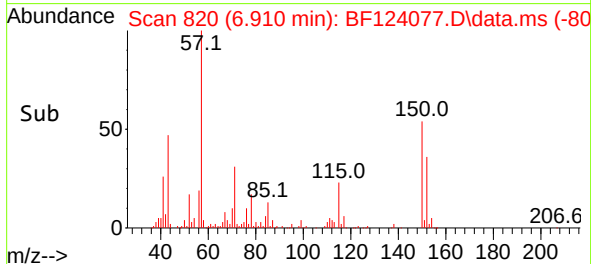
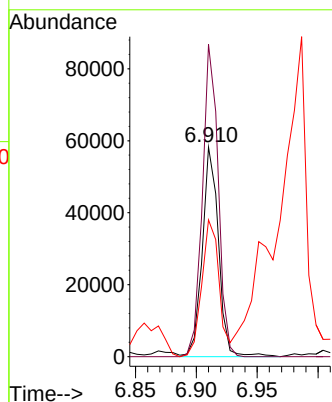
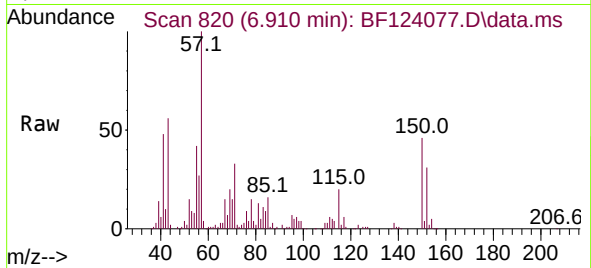




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.910 min Scan# 820
Delta R.T. 0.006 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

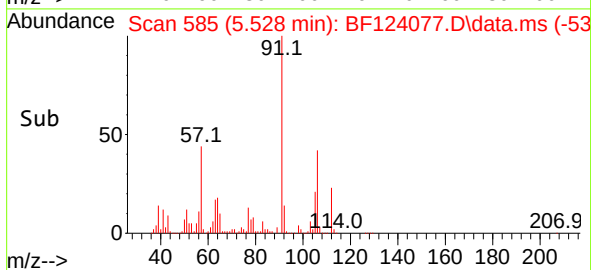
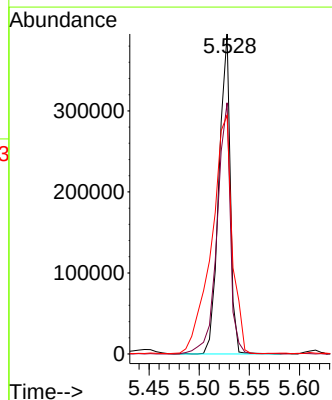
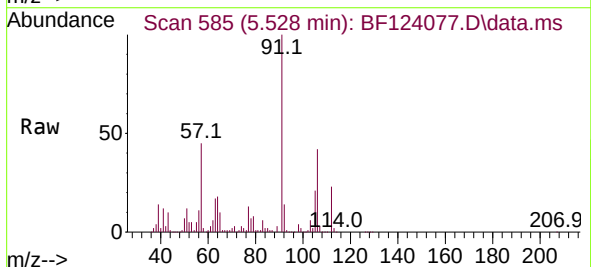
Instrument :
BNA_F
ClientSampled :
GHOST-2

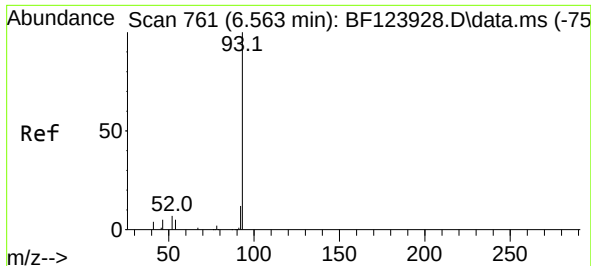
Tgt Ion:152 Resp: 53871
Ion Ratio Lower Upper
152 100
150 149.0 127.0 190.6
115 65.3 54.3 81.5



#5
2-Fluorophenol
Concen: 80.45 ng
RT: 5.528 min Scan# 585
Delta R.T. 0.018 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion:112 Resp: 308657
Ion Ratio Lower Upper
112 100
64 78.5 61.4 92.0
63 74.6 33.0 49.4#

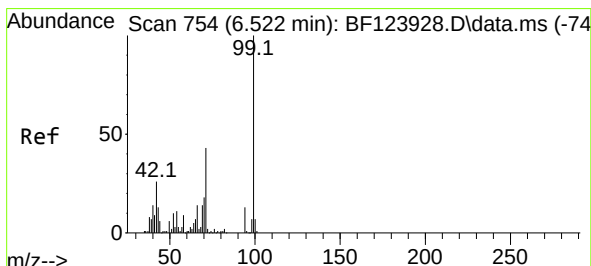
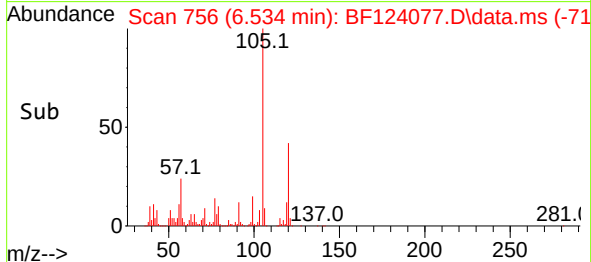
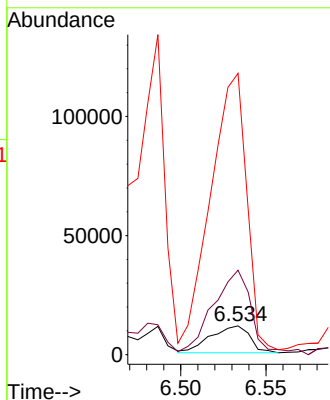
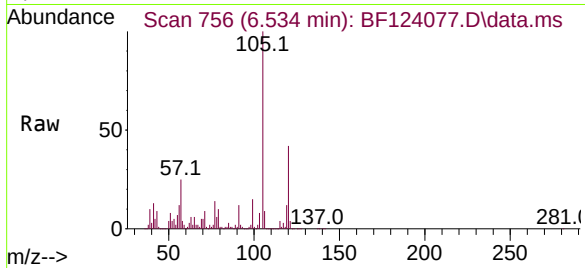




#6
Aniline
Concen: 3.20 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.029 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

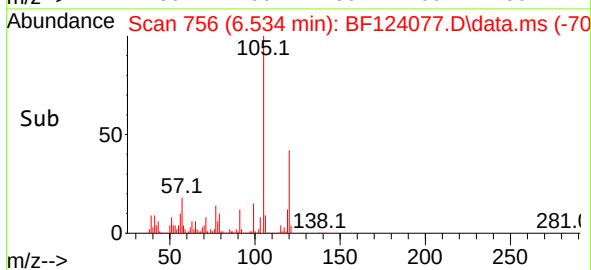
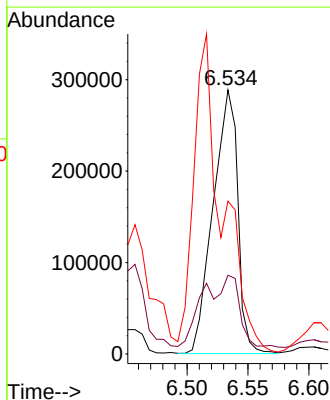
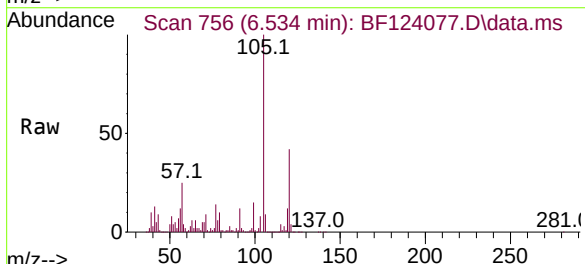
Instrument :
BNA_F
ClientSampleId :
GHOST-2

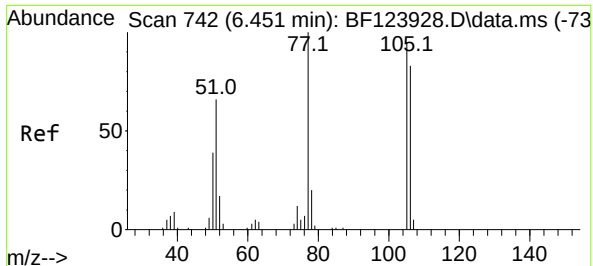
Tgt Ion: 93 Resp: 18074
Ion Ratio Lower Upper
93 100
66 293.3 36.4 54.6#
65 976.4 19.4 29.0#



#7
Phenol-d6
Concen: 81.71 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.012 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion: 99 Resp: 406717
Ion Ratio Lower Upper
99 100
42 29.8 19.8 29.8#
71 57.9 31.1 46.7#

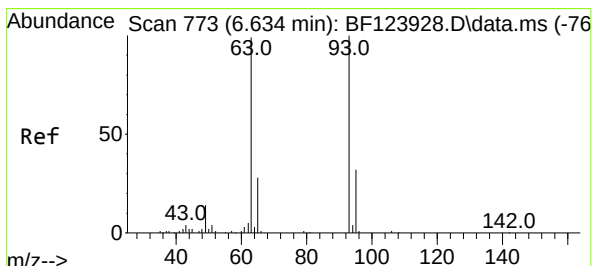
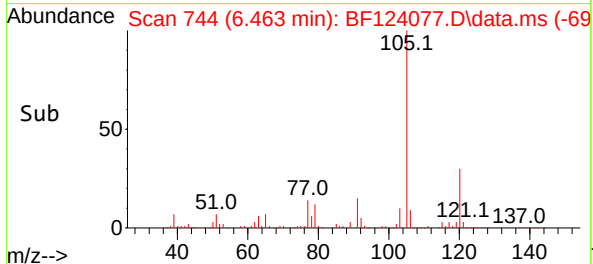
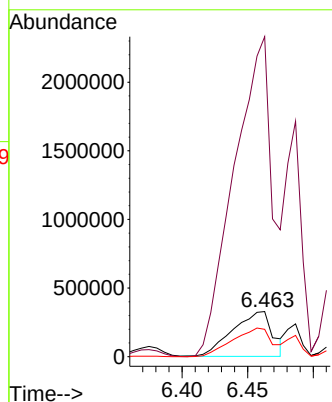
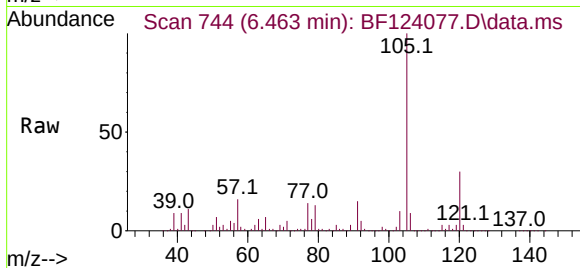




#9
Benzaldehyde
Concen: 319.71 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.012 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

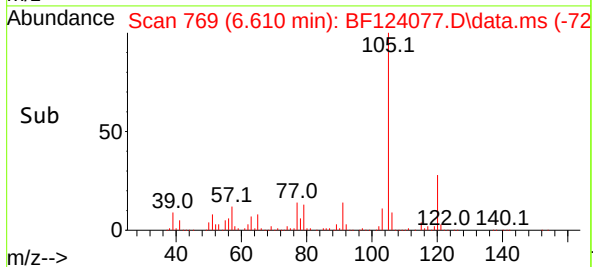
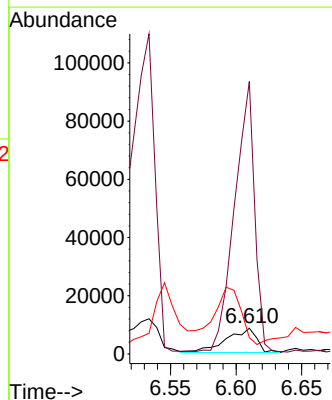
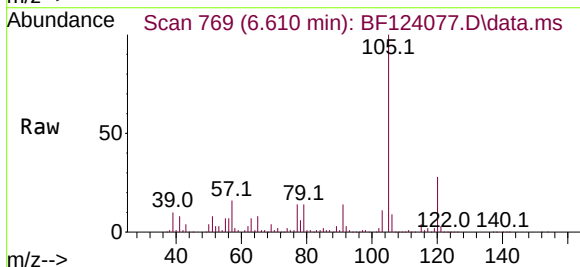
Instrument :
BNA_F
ClientSampled :
GHOST-2

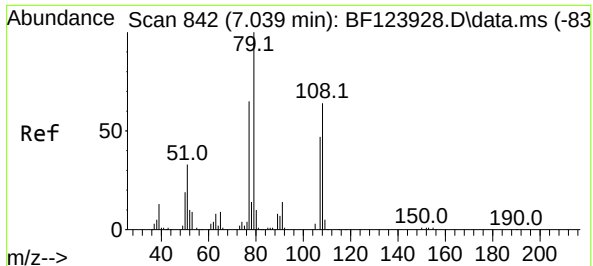
Tgt Ion: 77 Resp: 688570
Ion Ratio Lower Upper
77 100
105 709.1 75.2 115.2#
106 60.7 71.6 111.6#



#11
bis(2-Chloroethyl)ether
Concen: 3.47 ng
RT: 6.610 min Scan# 769
Delta R.T. -0.024 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion: 93 Resp: 13555
Ion Ratio Lower Upper
93 100
63 1056.2 76.1 116.1#
95 63.3 11.5 51.5#





#15

Benzyl Alcohol

Concen: 70.12 ng

RT: 6.987 min Scan# 833

Delta R.T. -0.053 min

Lab File: BF124077.D

Acq: 26 May 2021 22:20

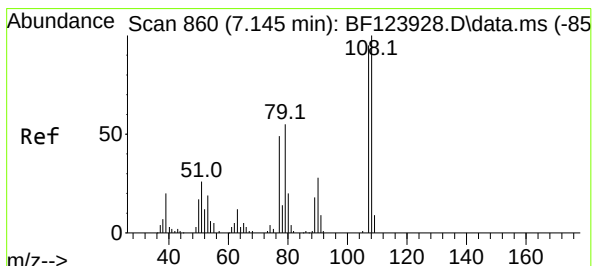
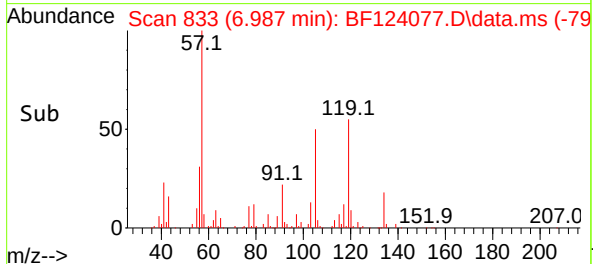
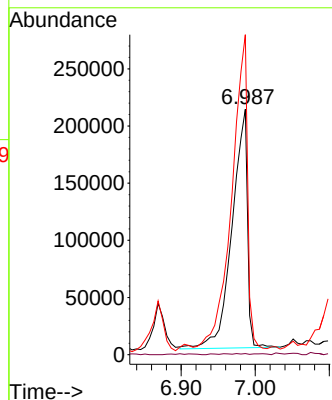
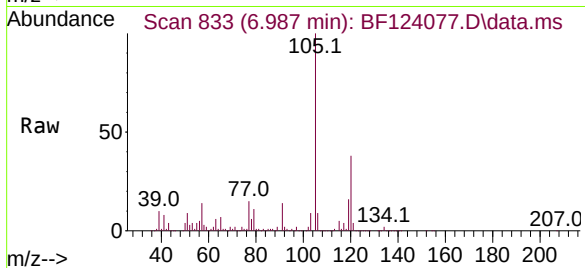
Instrument :

BNA_F

ClientSampleId :

GHOST-2

Tgt Ion:	79	Resp:	301430
Ion Ratio	Lower	Upper	
79	100		
108	0.5	55.8	83.8#
77	130.3	49.9	74.9#



#17

2-Methylphenol

Concen: 7.33 ng

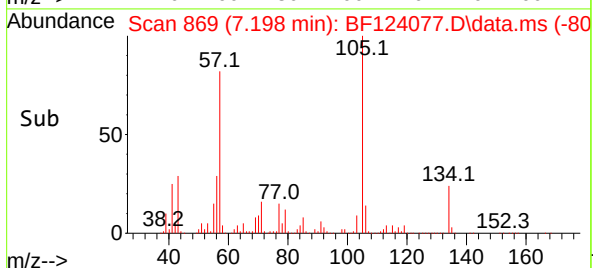
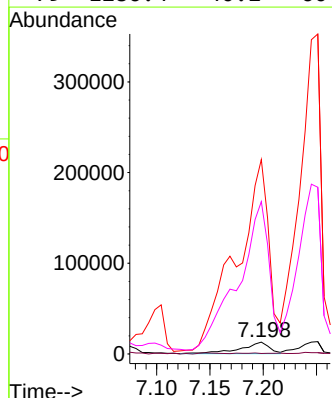
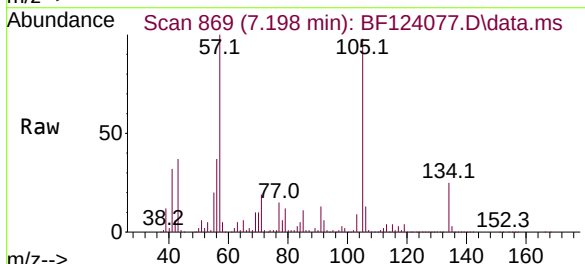
RT: 7.198 min Scan# 869

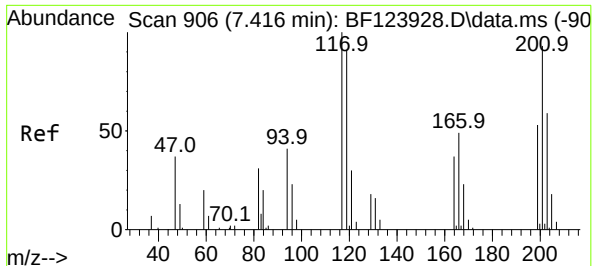
Delta R.T. 0.053 min

Lab File: BF124077.D

Acq: 26 May 2021 22:20

Tgt Ion:	107	Resp:	23727
Ion Ratio	Lower	Upper	
107	100		
108	4.1	89.8	134.8#
77	1642.9	40.9	61.3#
79	1286.4	40.2	60.4#

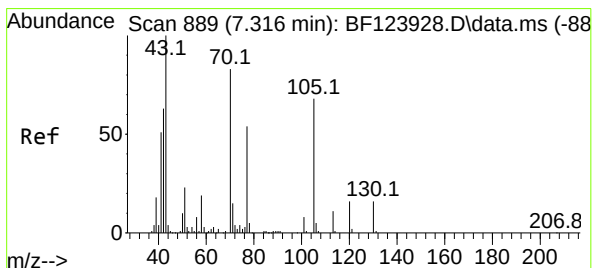
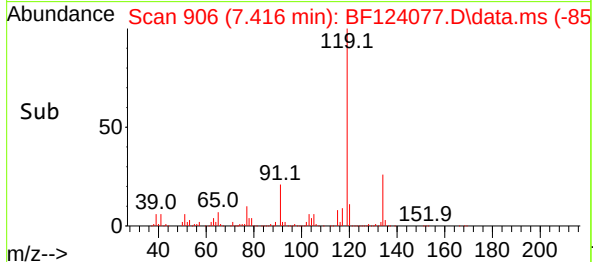
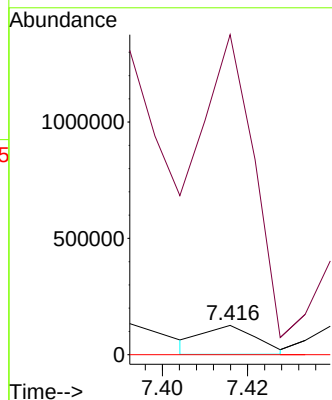
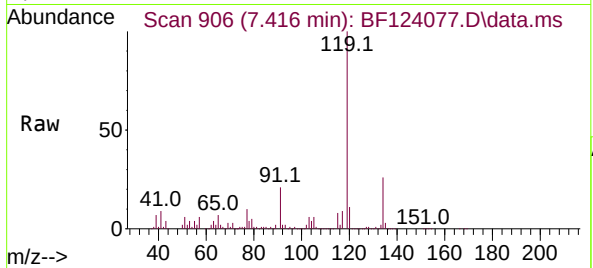




#18
Hexachloroethane
Concen: 62.37 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

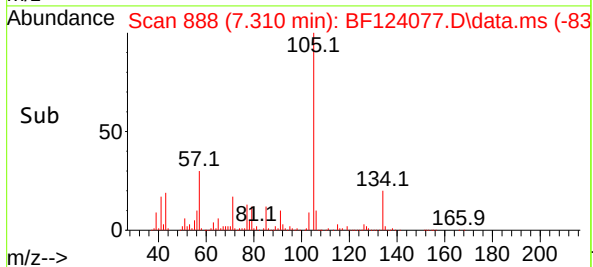
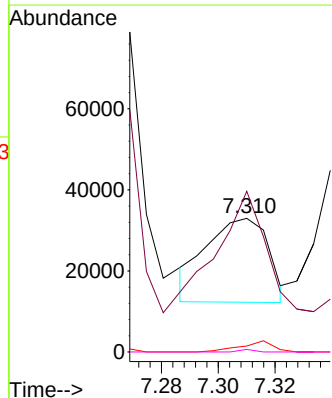
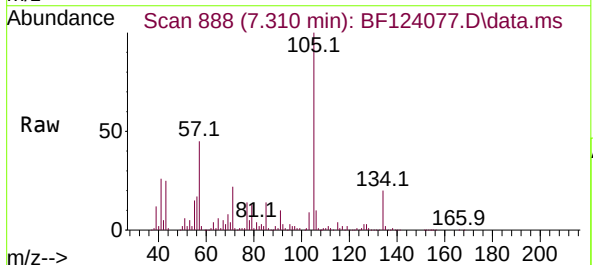
Instrument :
BNA_F
ClientSampled :
GHOST-2

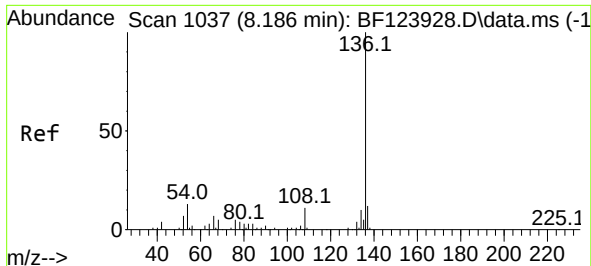
Tgt Ion:117 Resp: 110004
Ion Ratio Lower Upper
117 100
119 1090.8 77.8 116.8#
201 0.0 67.8 101.8#



#19
n-Nitroso-di-n-propylamine
Concen: 9.34 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion: 70 Resp: 31402
Ion Ratio Lower Upper
70 100
42 120.2 60.1 90.1#
101 4.4 7.4 11.2#
130 1.9 14.2 21.2#

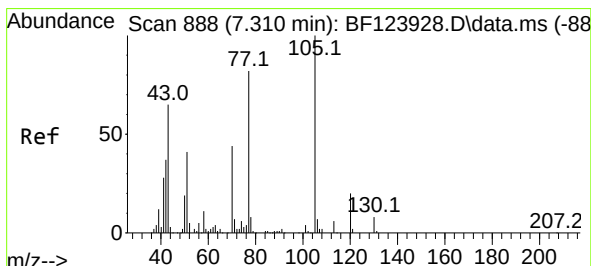
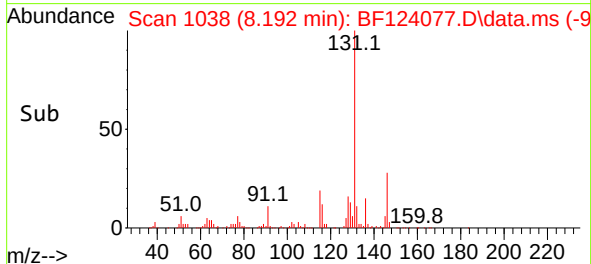
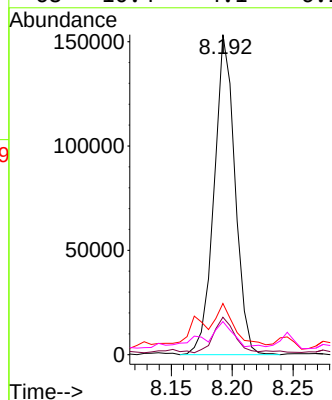
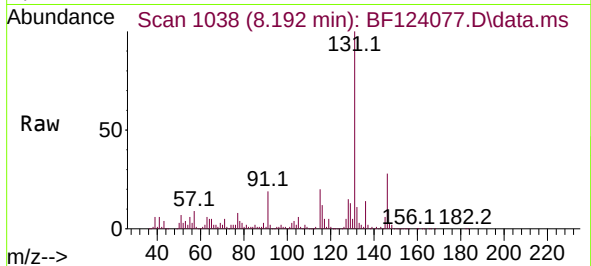




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.192 min Scan# 1038
Delta R.T. 0.006 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

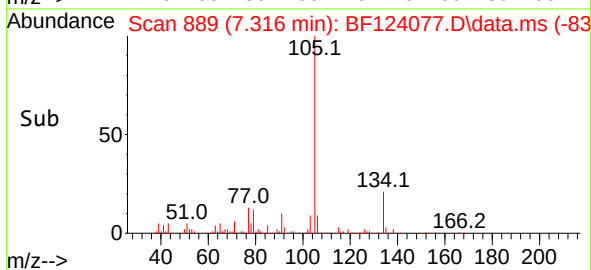
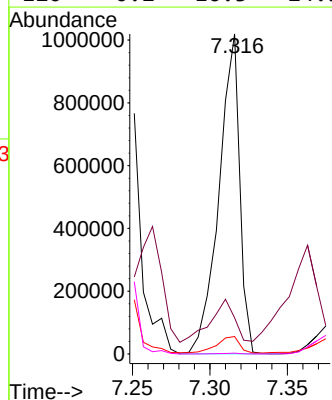
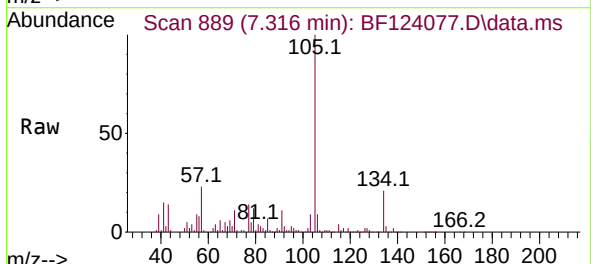
Instrument :
BNA_F
ClientSampleId :
GHOST-2

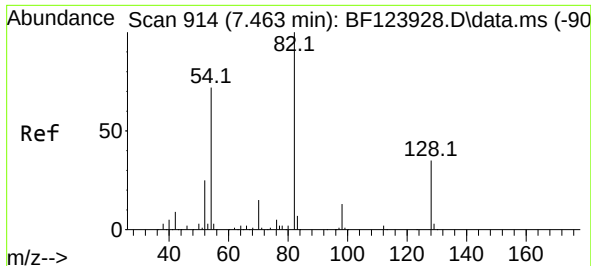
Tgt Ion:136	Resp: 182695
Ion Ratio	Lower Upper
136 100	
137 11.7	8.7 13.1
54 16.0	9.8 14.6#
68 10.4	4.1 6.1#



#22
Acetophenone
Concen: 182.47 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.006 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion:105	Resp: 946632
Ion Ratio	Lower Upper
105 100	
71 11.3	4.2 6.4#
51 5.5	33.6 50.4#
120 0.2	16.3 24.5#





#23

Nitrobenzene-d5

Concen: 76.56 ng

RT: 7.481 min Scan# 917

Delta R.T. 0.018 min

Lab File: BF124077.D

Acq: 26 May 2021 22:20

Tgt Ion: 82 Resp: 324645

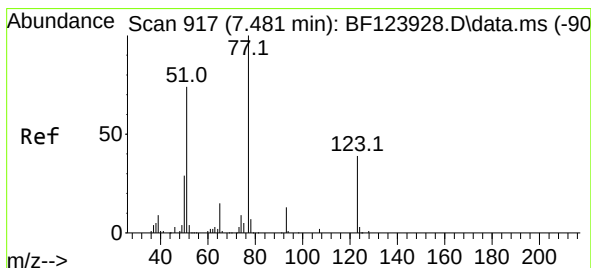
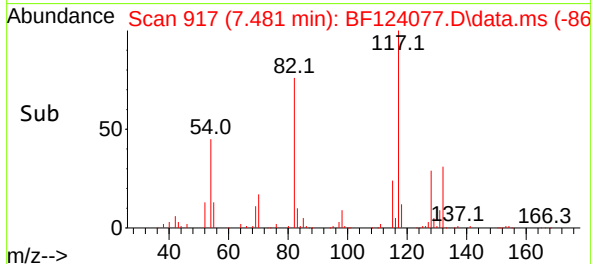
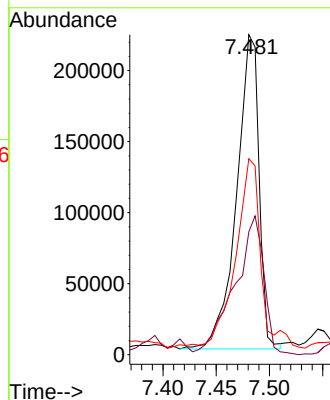
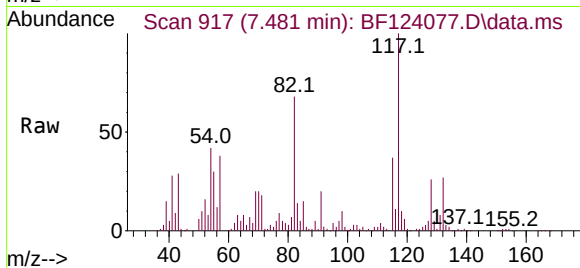
Ion	Ratio	Lower	Upper
82	100		
128	38.4	29.4	44.2
54	61.3	54.1	81.1

Instrument :

BNA_F

ClientSampled :

GHOST-2



#24

Nitrobenzene

Concen: 18.73 ng

RT: 7.498 min Scan# 920

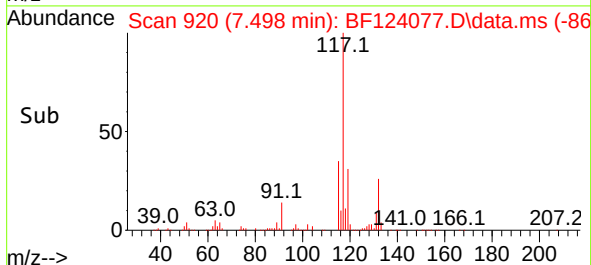
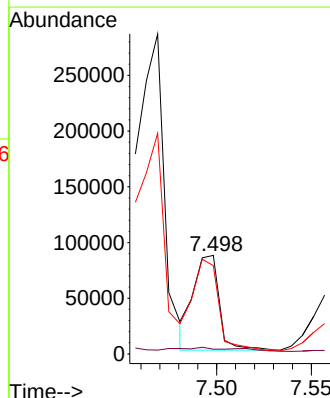
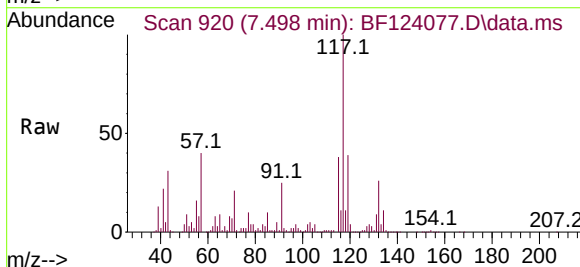
Delta R.T. 0.018 min

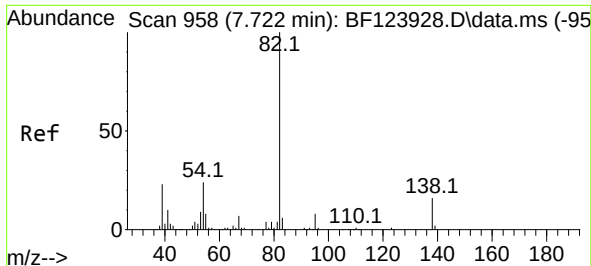
Lab File: BF124077.D

Acq: 26 May 2021 22:20

Tgt Ion: 77 Resp: 81191

Ion	Ratio	Lower	Upper
77	100		
123	4.9	34.5	51.7#
65	89.6	12.2	18.2#

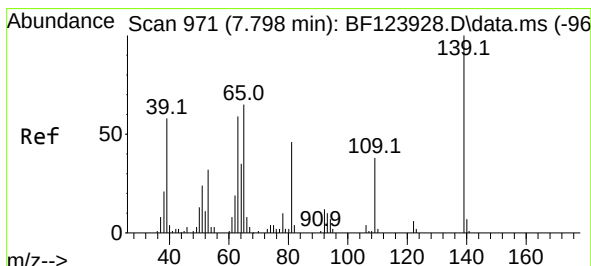
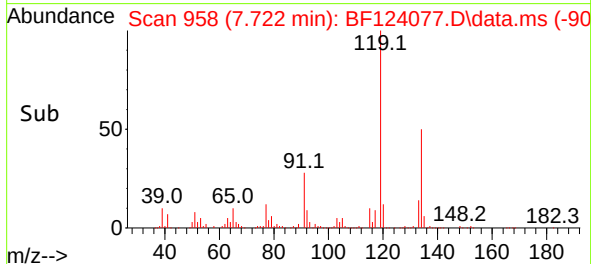
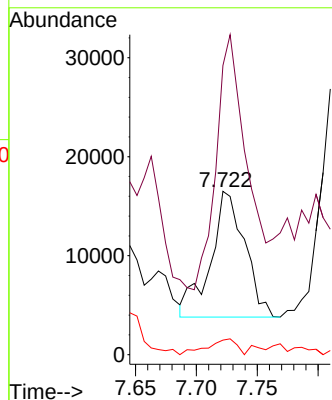
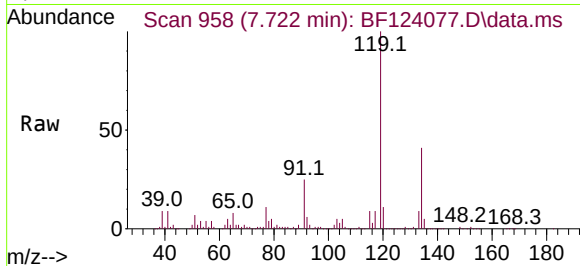




#25
Isophorone
Concen: 3.04 ng
RT: 7.722 min Scan# 958
Delta R.T. 0.000 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

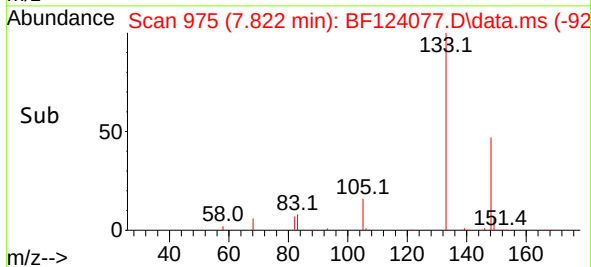
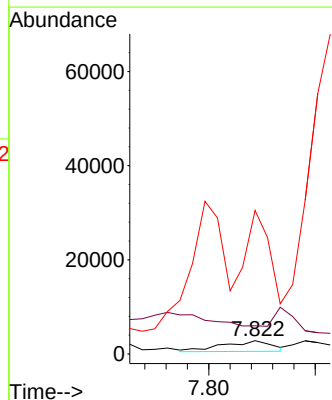
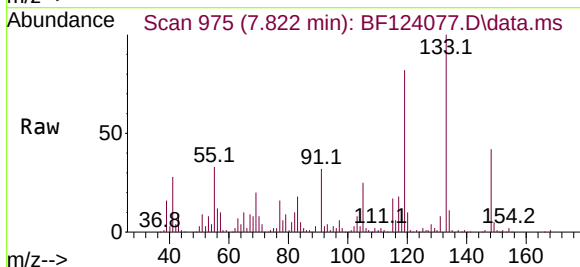
Instrument :
BNA_F
ClientSampleId :
GHOST-2

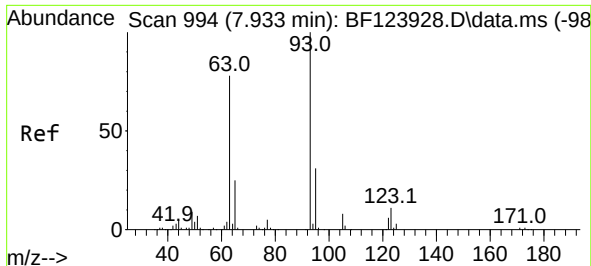
Tgt Ion: 82 Resp: 24823
Ion Ratio Lower Upper
82 100
95 177.1 5.8 8.6#
138 8.9 11.8 17.8#



#26
2-Nitrophenol
Concen: 2.23 ng
RT: 7.822 min Scan# 975
Delta R.T. 0.024 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion: 139 Resp: 3644
Ion Ratio Lower Upper
139 100
109 211.6 28.6 43.0#
65 1077.5 56.8 85.2#

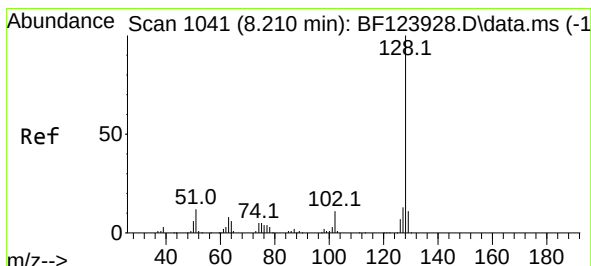
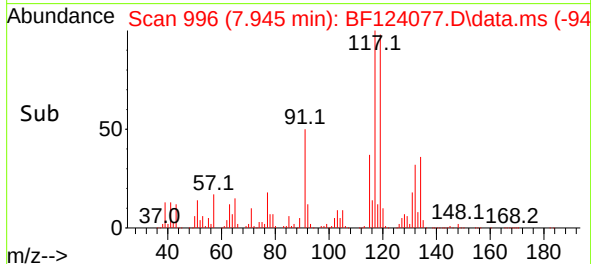
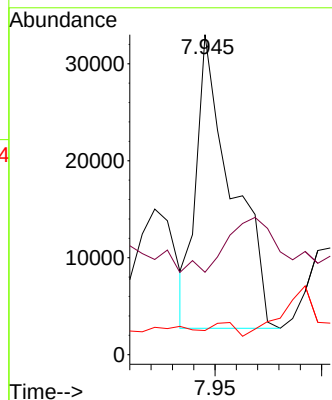
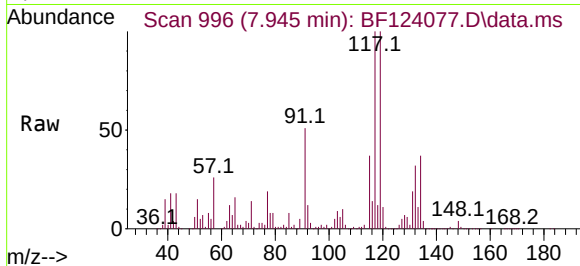




#28
bis(2-Chloroethoxy)methane
Concen: 8.59 ng
RT: 7.945 min Scan# 996
Delta R.T. 0.012 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

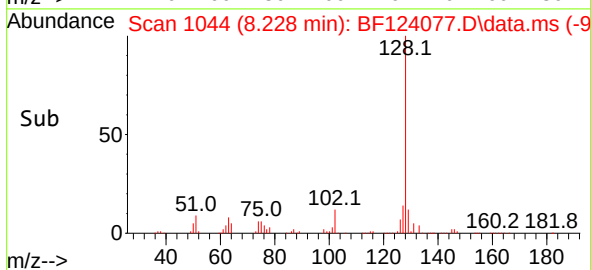
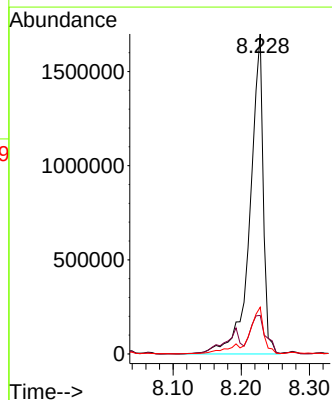
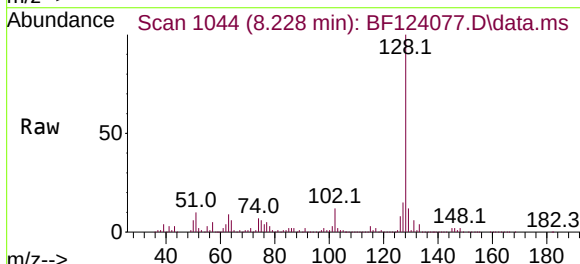
Instrument :
BNA_F
ClientSampled :
GHOST-2

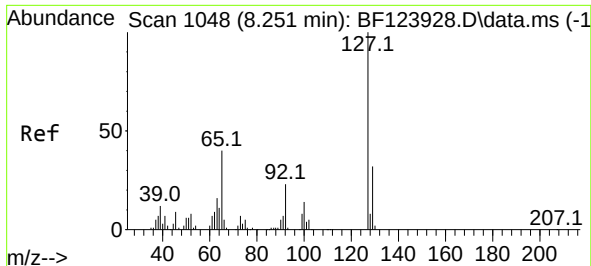
Tgt Ion: 93 Resp: 35224
Ion Ratio Lower Upper
93 100
95 25.7 26.5 39.7#
123 7.6 8.4 12.6#



#31
Naphthalene
Concen: 208.38 ng
RT: 8.228 min Scan# 1044
Delta R.T. 0.018 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion:128 Resp: 2253066
Ion Ratio Lower Upper
128 100
129 12.0 8.9 13.3
127 14.6 10.8 16.2

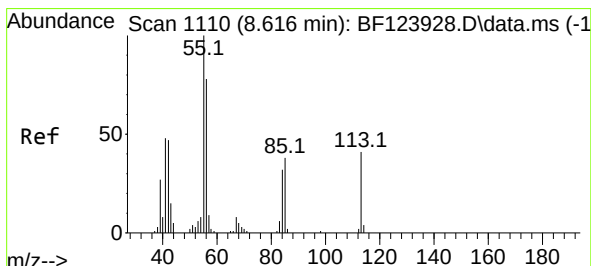
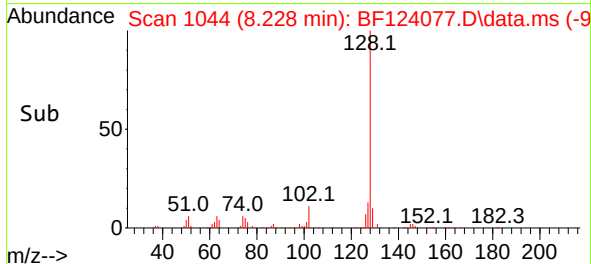
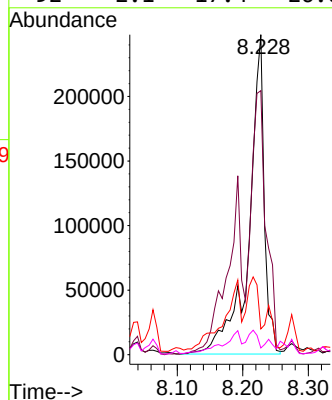
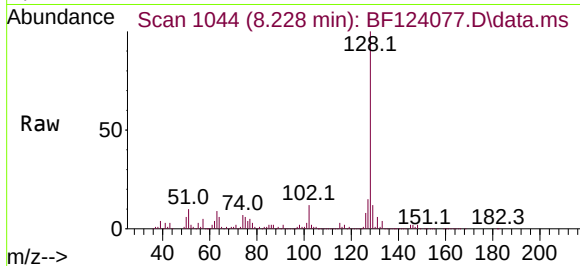




#33
4-Chloroaniline
Concen: 97.96 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.024 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

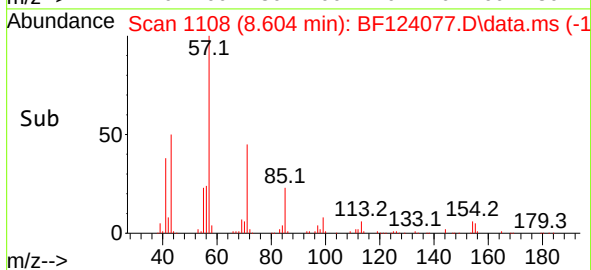
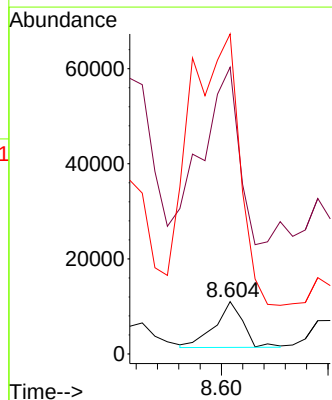
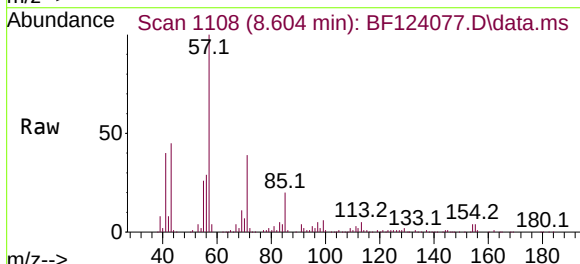
Instrument :
BNA_F
ClientSampled :
GHOST-2

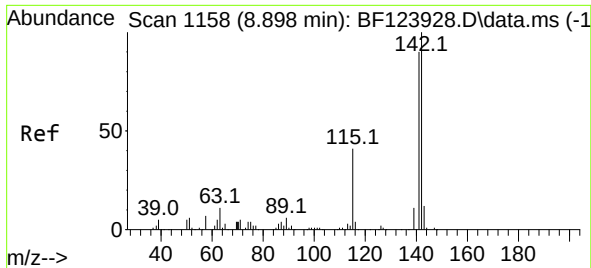
Tgt Ion:127 Resp: 403209
Ion Ratio Lower Upper
127 100
129 82.5 25.7 38.5#
65 8.0 34.5 51.7#
92 2.1 17.4 26.0#



#35
Caprolactam
Concen: 10.30 ng
RT: 8.604 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion:113 Resp: 8862
Ion Ratio Lower Upper
113 100
55 547.6 254.9 294.9#
56 611.0 179.4 219.4#

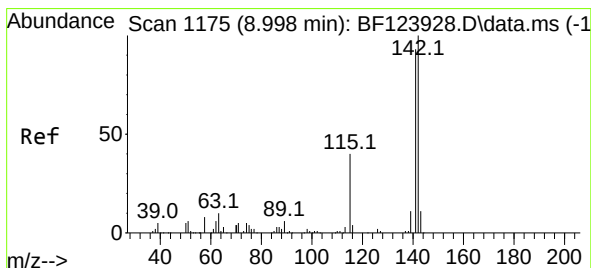
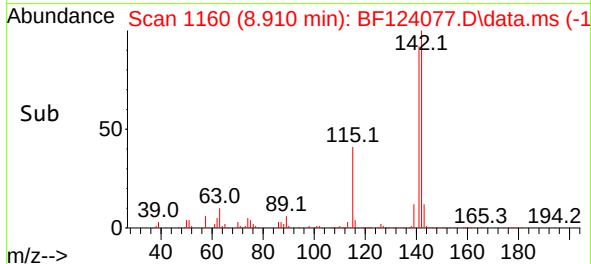
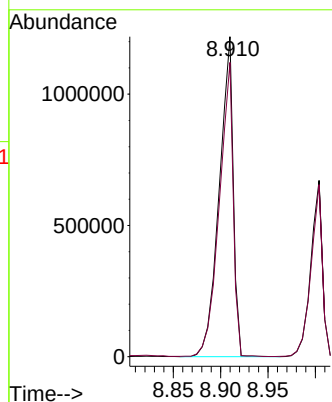
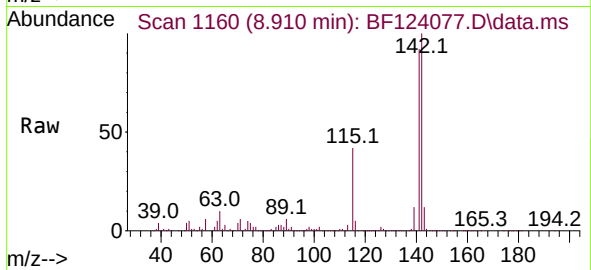




#37
2-Methylnaphthalene
Concen: 171.04 ng
RT: 8.910 min Scan# 1160
Delta R.T. 0.012 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

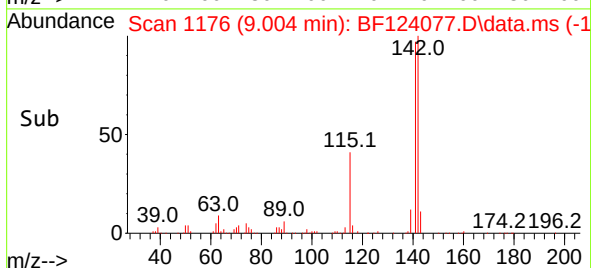
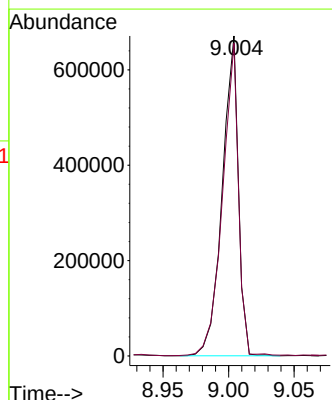
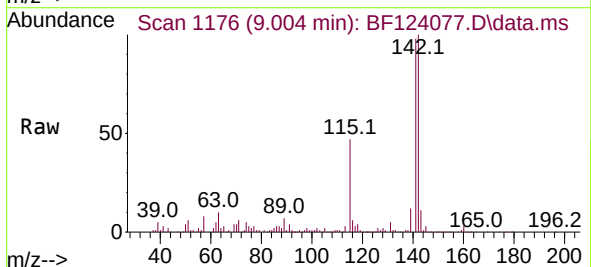
Instrument :
BNA_F
ClientSampleId :
GHOST-2

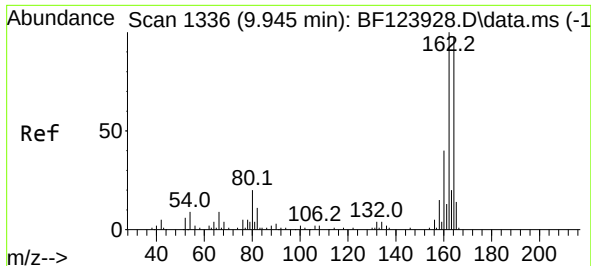
Tgt Ion:142 Resp: 1253450
Ion Ratio Lower Upper
142 100
141 91.9 71.8 107.6



#38
1-Methylnaphthalene
Concen: 83.56 ng
RT: 9.004 min Scan# 1176
Delta R.T. 0.006 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion:142 Resp: 571381
Ion Ratio Lower Upper
142 100
141 97.7 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: BF124077.D

Acq: 26 May 2021 22:20

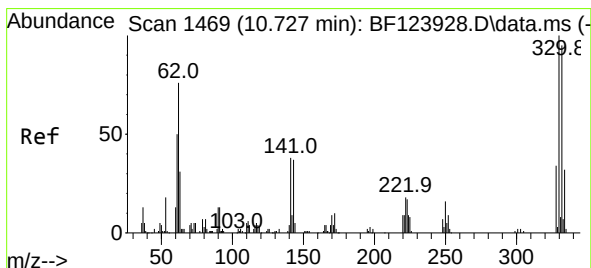
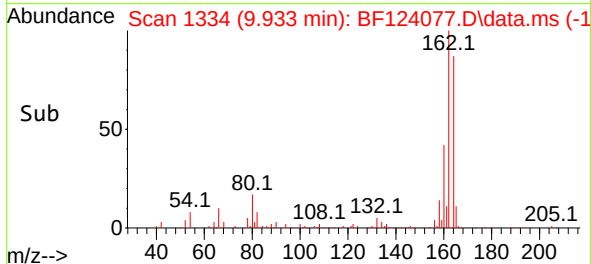
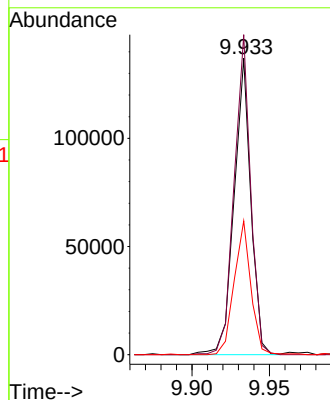
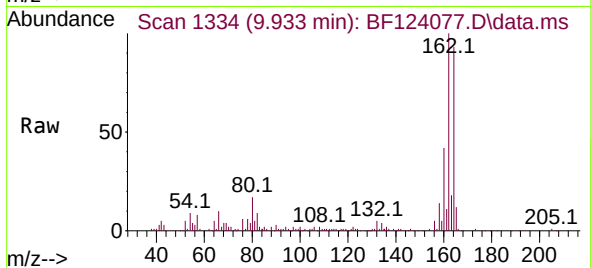
Tgt Ion:164 Resp: 103329

Ion Ratio Lower Upper

164 100

162 107.9 80.7 121.1

160 45.1 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 95.60 ng

RT: 10.722 min Scan# 1468

Delta R.T. -0.006 min

Lab File: BF124077.D

Acq: 26 May 2021 22:20

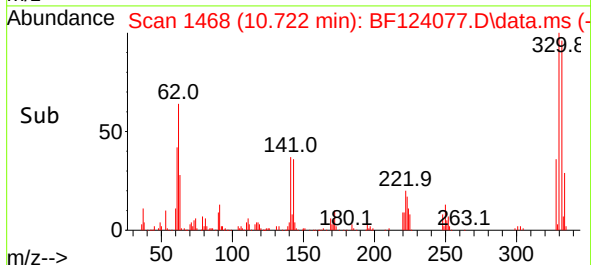
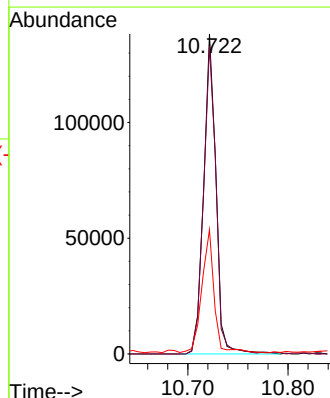
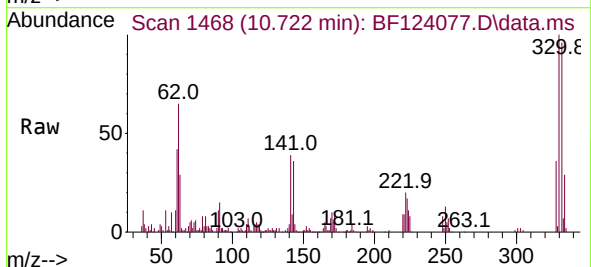
Tgt Ion:330 Resp: 118650

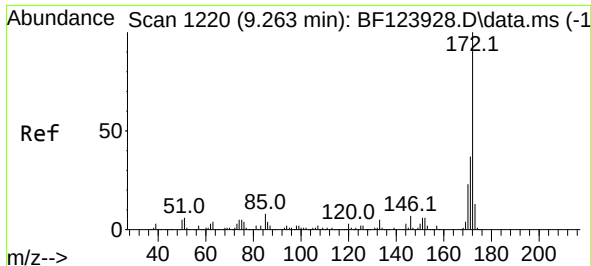
Ion Ratio Lower Upper

330 100

332 97.4 77.1 115.7

141 38.3 27.9 41.9

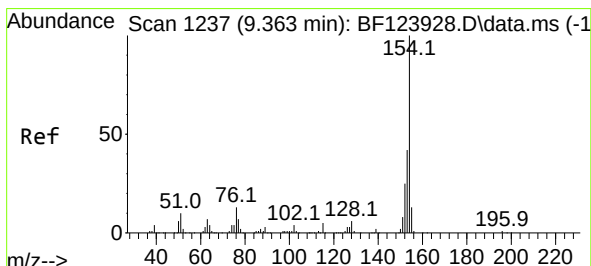
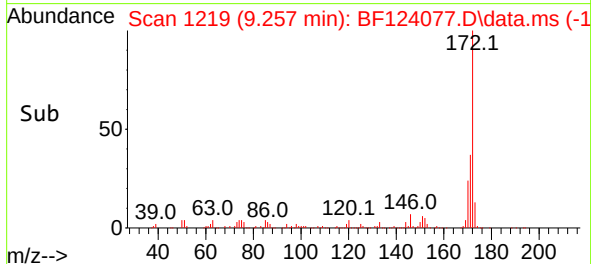
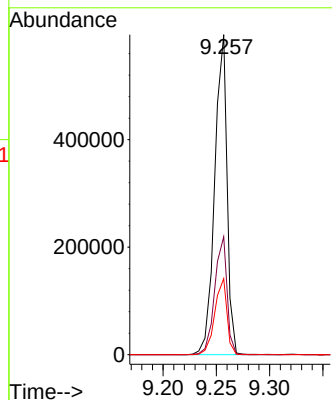
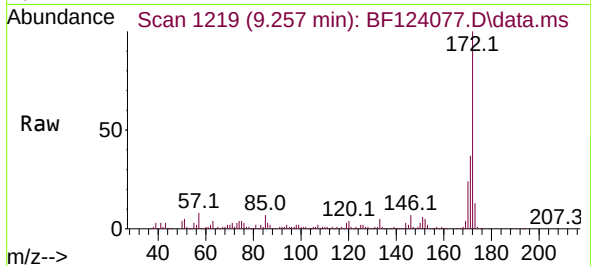




#45
2-Fluorobiphenyl
Concen: 57.44 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

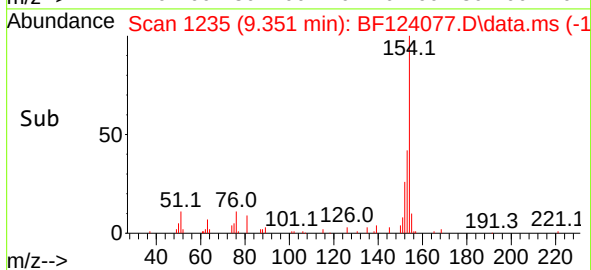
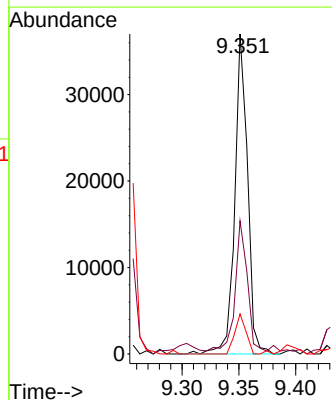
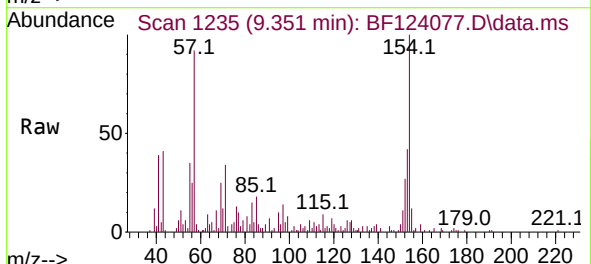
Instrument :
BNA_F
ClientSampleId :
GHOST-2

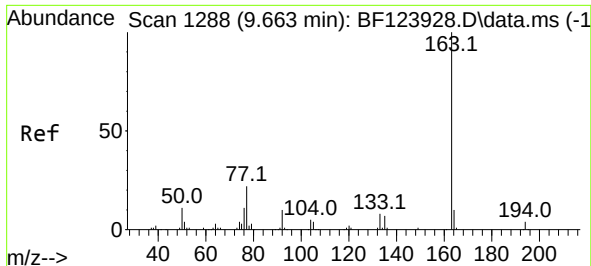
Tgt Ion:172	Resp:	482345
Ion Ratio	Lower	Upper
172	100	
171	36.8	28.1 42.1
170	23.8	19.2 28.8



#46
1,1'-Biphenyl
Concen: 3.17 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion:154	Resp:	28842
Ion Ratio	Lower	Upper
154	100	
153	41.6	20.7 60.7
76	12.5	0.0 31.7

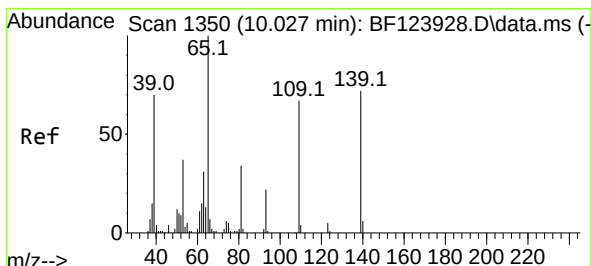
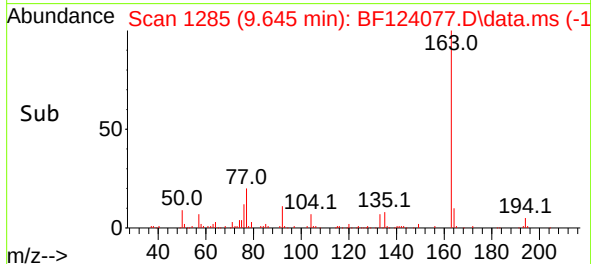
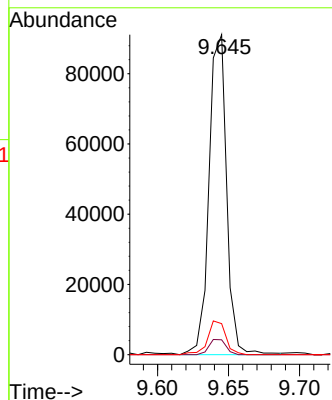
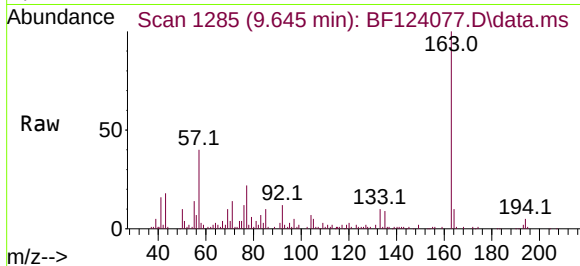




#50
Dimethylphthalate
Concen: 9.52 ng
RT: 9.645 min Scan# 1285
Delta R.T. -0.018 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

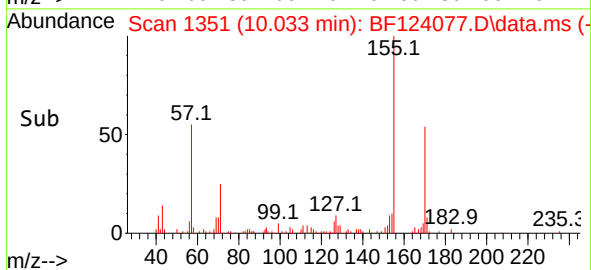
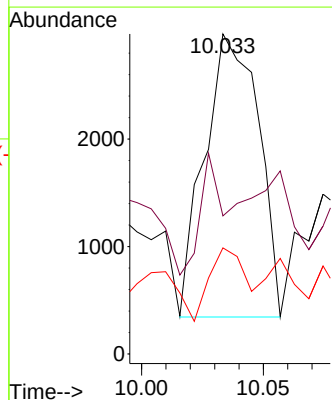
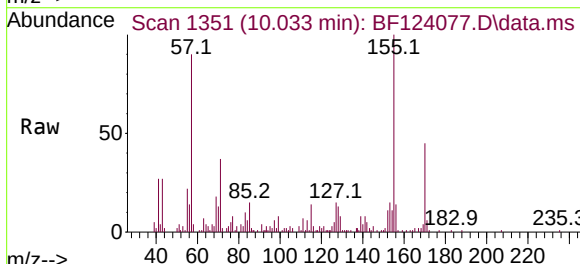
Instrument :
BNA_F
ClientSampleId :
GHOST-2

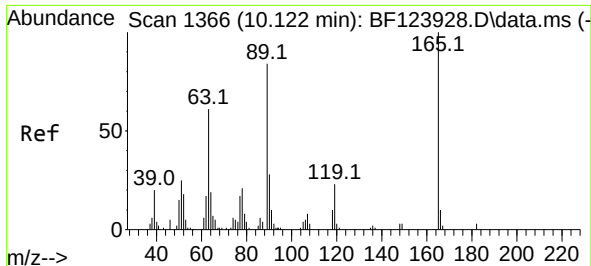
Tgt Ion:163 Resp: 78515
Ion Ratio Lower Upper
163 100
194 4.6 3.1 4.7
164 9.7 8.2 12.2



#56
4-Nitrophenol
Concen: 2.96 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.006 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion:139 Resp: 4055
Ion Ratio Lower Upper
139 100
109 43.1 63.2 103.2#
65 33.1 110.0 150.0#

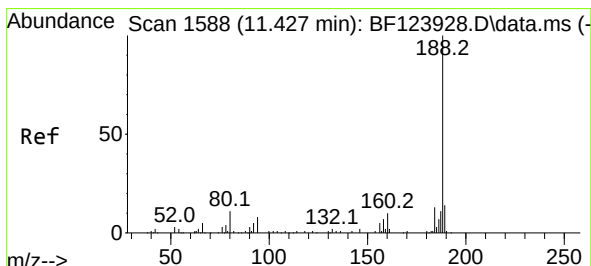
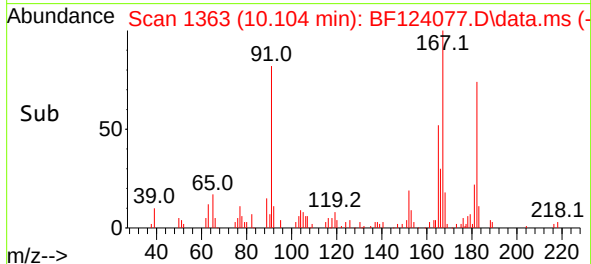
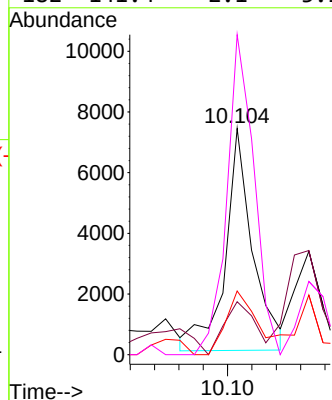
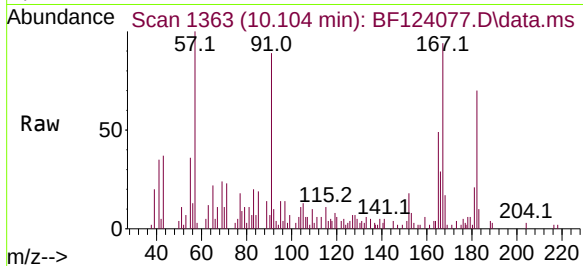




#57
2,4-Dinitrotoluene
Concen: 2.81 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.018 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

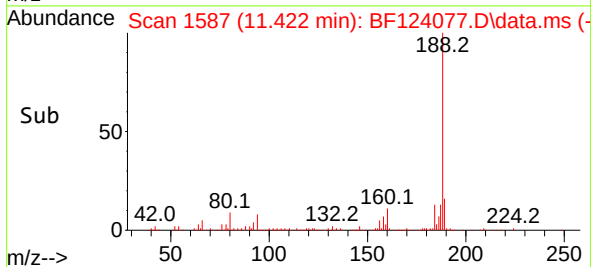
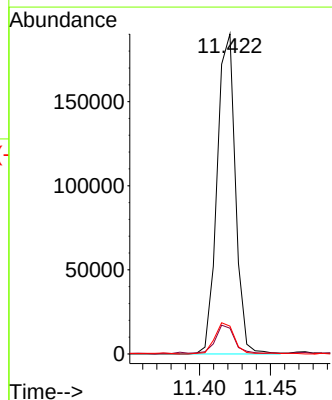
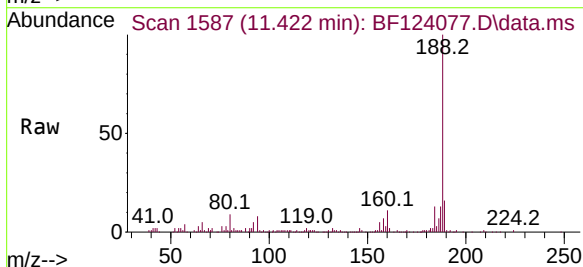
Instrument :
BNA_F
ClientSampled :
GHOST-2

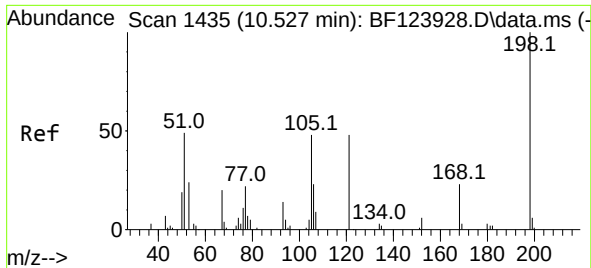
Tgt Ion:165 Resp: 5746
Ion Ratio Lower Upper
165 100
63 23.4 43.5 65.3#
89 28.1 67.7 101.5#
182 141.4 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.005 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion:188 Resp: 170623
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 8.7 8.2 12.2

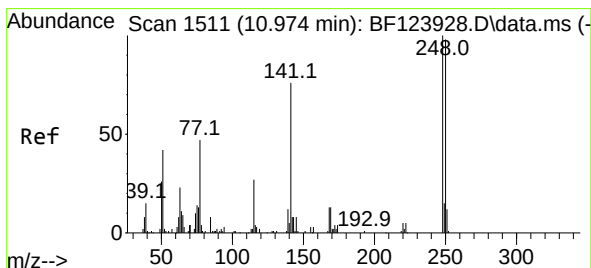
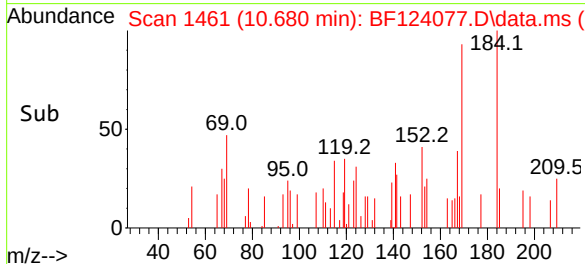
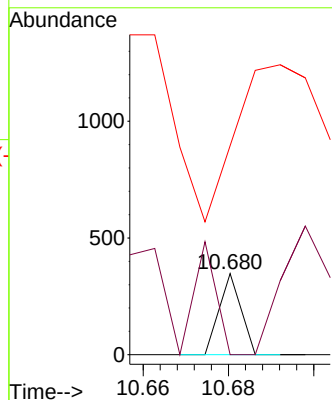
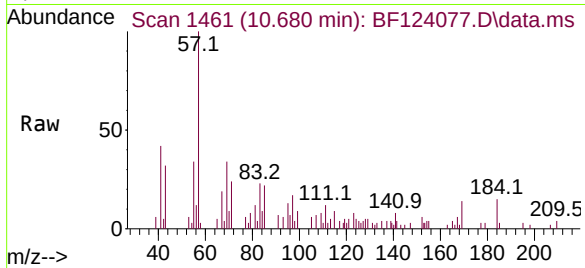




#65
4,6-Dinitro-2-methylphenol
Concen: 5.54 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.153 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

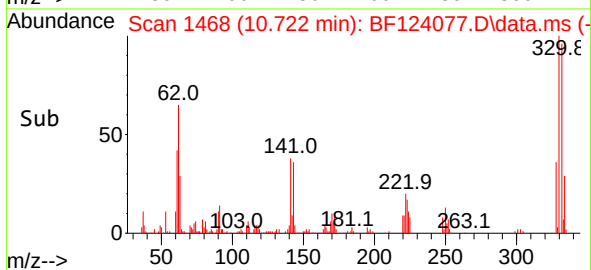
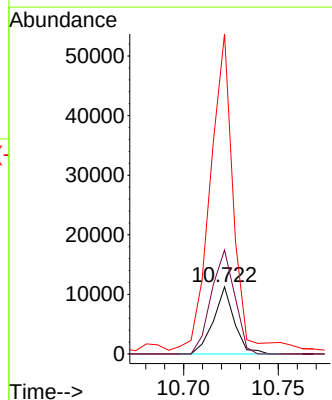
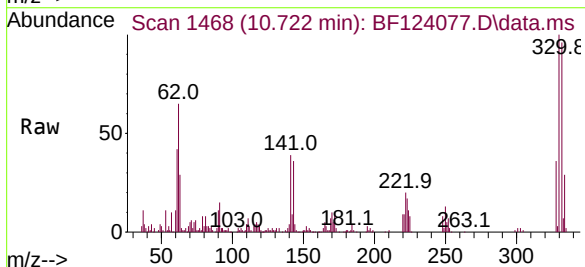
Instrument :
BNA_F
ClientSampled :
GHOST-2

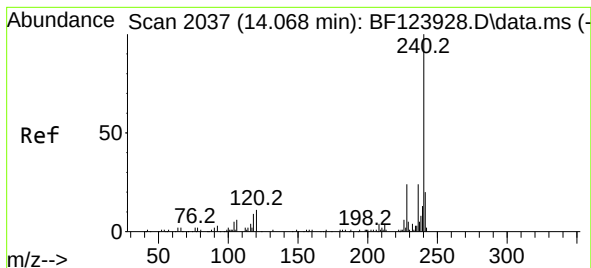
Tgt Ion:198 Resp: 123
Ion Ratio Lower Upper
198 100
51 0.0 64.8 104.8#
105 257.2 42.6 82.6#



#67
4-Bromophenyl-phenylether
Concen: 3.84 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.253 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion:248 Resp: 8612
Ion Ratio Lower Upper
248 100
250 155.1 77.4 116.2#
141 476.9 63.7 95.5#





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF124077.D

Acq: 26 May 2021 22:20

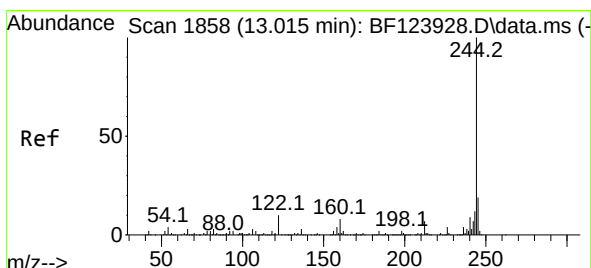
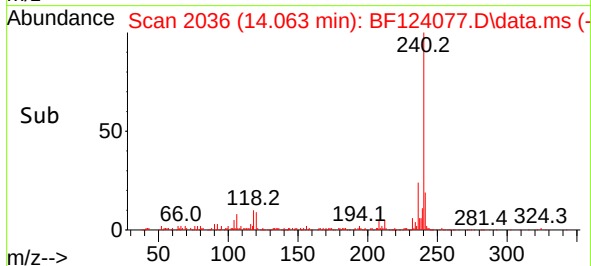
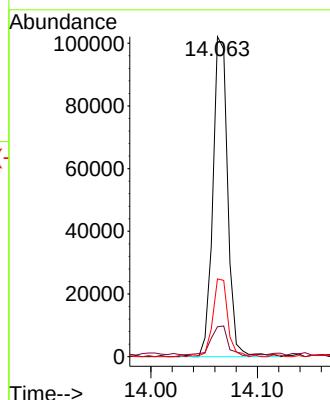
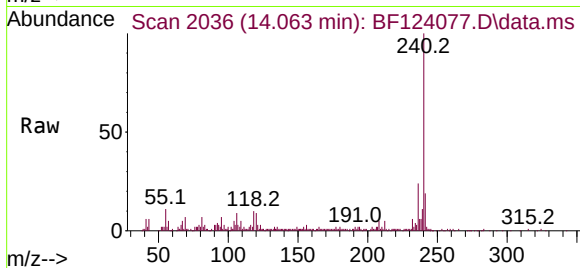
Tgt Ion:240	Resp:	99230
Ion Ratio	Lower	Upper
240	100	
120	9.3	7.2 10.8
236	24.3	19.0 28.4

Instrument :

BNA_F

ClientSampleId :

GHOST-2



#79

Terphenyl-d14

Concen: 59.27 ng

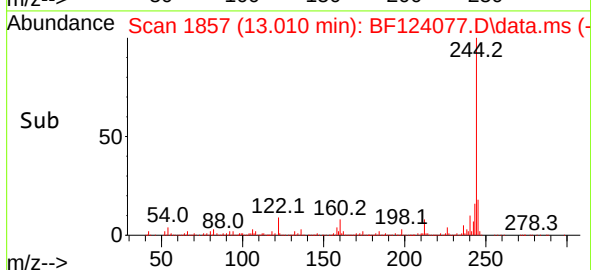
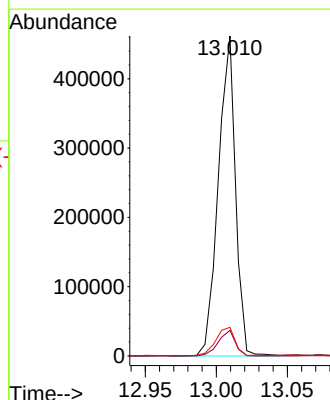
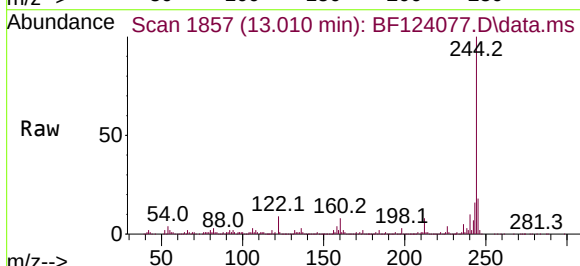
RT: 13.010 min Scan# 1857

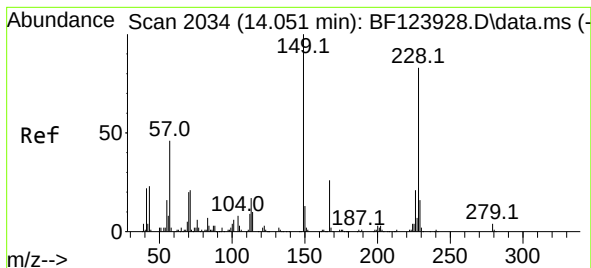
Delta R.T. -0.006 min

Lab File: BF124077.D

Acq: 26 May 2021 22:20

Tgt Ion:244	Resp:	388329
Ion Ratio	Lower	Upper
244	100	
212	8.0	5.7 8.5
122	8.9	9.7 14.5#



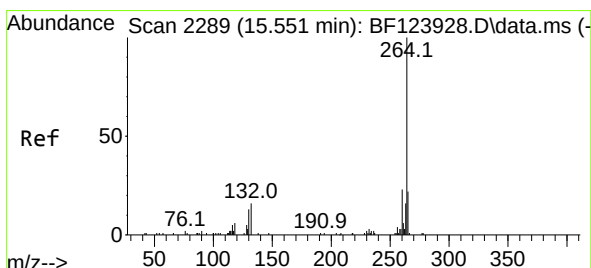
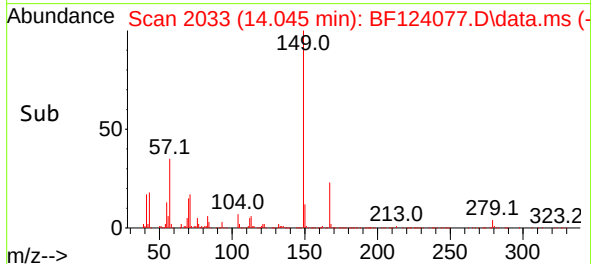
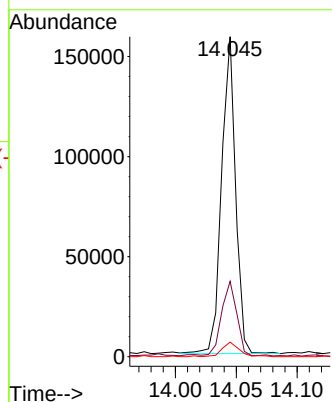
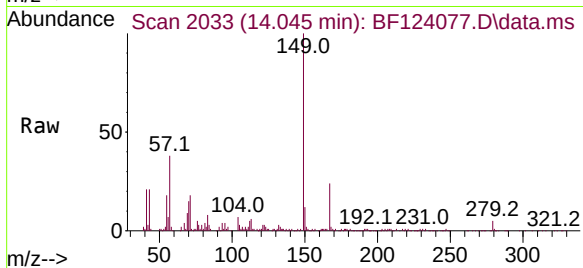


#84

Bis(2-ethylhexyl)phthalate
Concen: 26.08 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Instrument :
BNA_F
ClientSampleId :
GHOST-2

Tgt Ion:149 Resp: 127142
Ion Ratio Lower Upper
149 100
167 23.5 21.8 32.6
279 4.6 3.3 4.9



#86

Perylene-d12
Concen: 20.00 ng
RT: 15.562 min Scan# 2291
Delta R.T. 0.012 min
Lab File: BF124077.D
Acq: 26 May 2021 22:20

Tgt Ion:264 Resp: 99401
Ion Ratio Lower Upper
264 100
260 25.5 18.7 28.1
265 20.6 17.8 26.8

