

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032621\
 Data File : BF123494.D
 Acq On : 26 Mar 2021 19:29
 Operator : JU/CG
 Sample : M1770-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 245

Quant Time: Mar 26 22:58:37 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 26 12:51:59 2021
 Response via : Initial Calibration

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

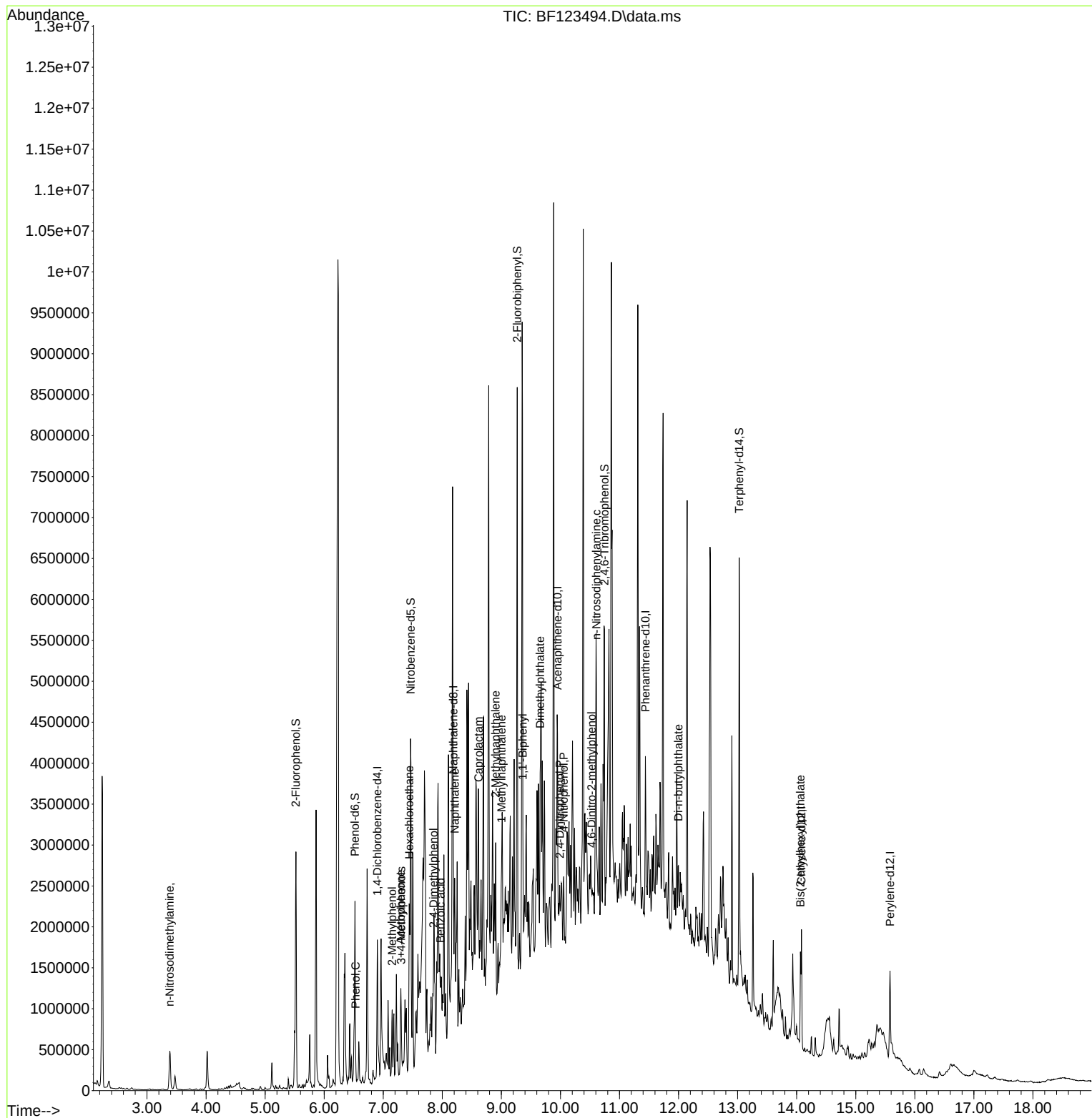
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	232425	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	781592	20.00	ng	# 0.00
39) Acenaphthene-d10	9.951	164	423469	20.00	ng	0.00
64) Phenanthrene-d10	11.439	188	660070	20.00	ng	0.00
76) Chrysene-d12	14.080	240	449684	20.00	ng	0.00
86) Perylene-d12	15.580	264	465058	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	815975	57.43	ng	0.00
7) Phenol-d6	6.522	99	620312	32.80	ng	0.00
23) Nitrobenzene-d5	7.463	82	1355648	93.61	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	540517	114.17	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2204181	74.36	ng	0.00
79) Terphenyl-d14	13.027	244	1821796	68.66	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.387	42	136591	12.71	ng	# 1
9) Benzaldehyde	6.463	77	13700	Below Cal		# 1
10) Phenol	6.534	94	62830	3.24	ng	96
17) 2-Methylphenol	7.151	107	99162	7.70	ng	93
18) Hexachloroethane	7.439	117	81574	12.88	ng	# 1
20) 3+4-Methylphenols	7.304	107	59153	3.69	ng	91
22) Acetophenone	7.298	105	186431	9.50	ng	# 72
27) 2,4-Dimethylphenol	7.851	122	68619	5.39	ng	94
31) Naphthalene	8.210	128	356718	8.49	ng	# 92
32) Benzoic acid	7.969	122	135026	17.98	ng	90
35) Caprolactam	8.616	113	42684	11.36	ng	# 1
37) 2-Methylnaphthalene	8.904	142	391156	13.58	ng	100
38) 1-Methylnaphthalene	9.004	142	240090	8.88	ng	99
46) 1,1'-Biphenyl	9.363	154	118159	3.62	ng	97
50) Dimethylphthalate	9.657	163	114836	3.82	ng	# 90
54) 2,4-Dinitrophenol	9.992	184	1248	9.01	ng	# 1
56) 4-Nitrophenol	10.057	139	11535	2.16	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.527	198	1174	5.42	ng	# 1
66) n-Nitrosodiphenylamine	10.610	169	53555	2.42	ng	# 63
74) Di-n-butylphthalate	11.998	149	146505	3.71	ng	# 97
84) Bis(2-ethylhexyl)phtha...	14.062	149	280260	14.80	ng	99

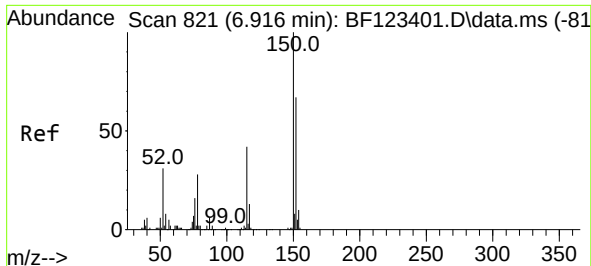
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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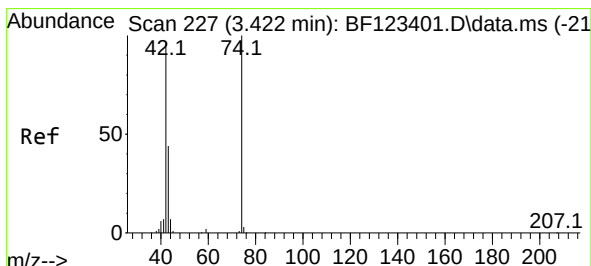
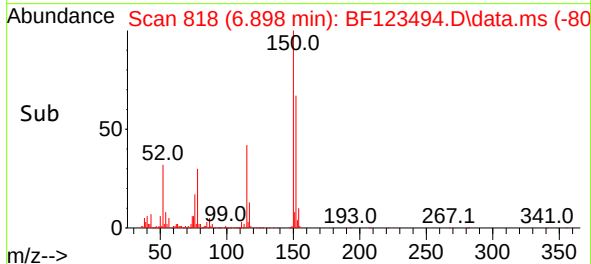
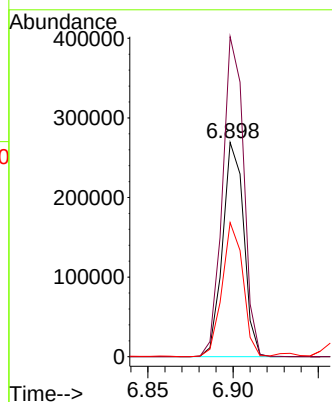
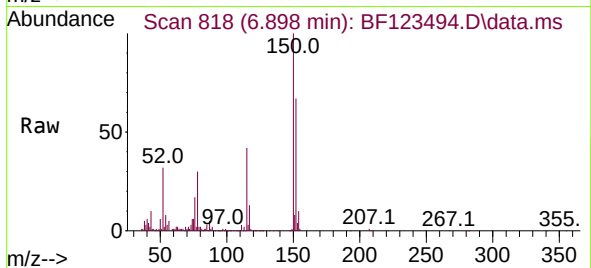




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

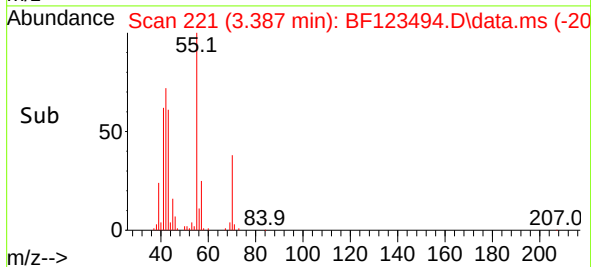
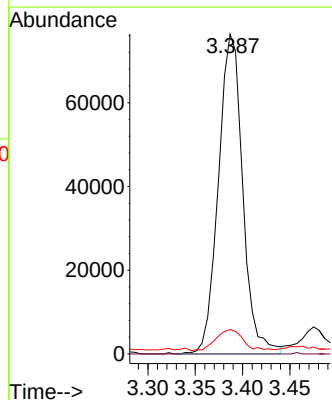
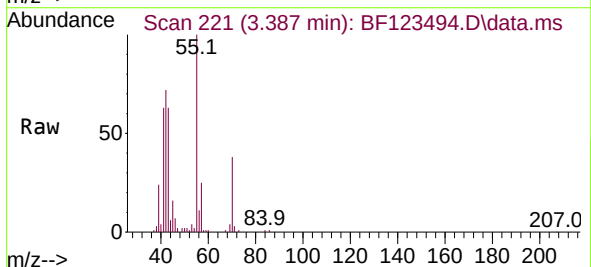
Instrument :
BNA_F
ClientSampled :
245

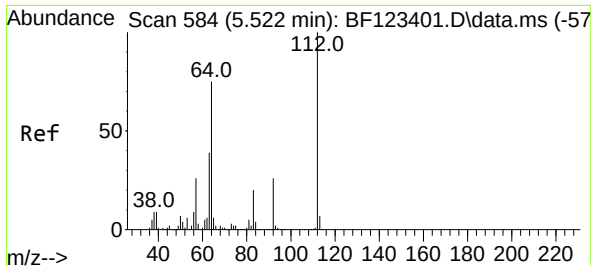
Tgt Ion:152 Resp: 232425
Ion Ratio Lower Upper
152 100
150 149.4 125.8 188.6
115 62.6 49.3 73.9



#4
n-Nitrosodimethylamine
Concen: 12.71 ng
RT: 3.387 min Scan# 221
Delta R.T. -0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion: 42 Resp: 136591
Ion Ratio Lower Upper
42 100
74 0.0 115.2 172.8#
44 7.6 5.4 8.0

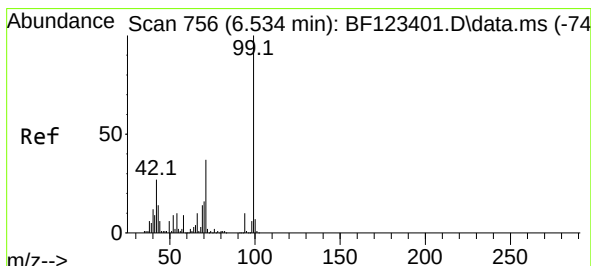
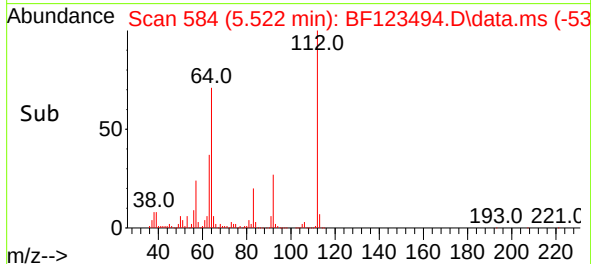
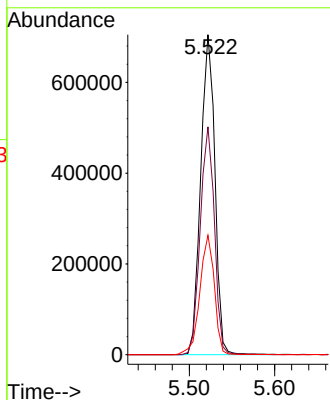
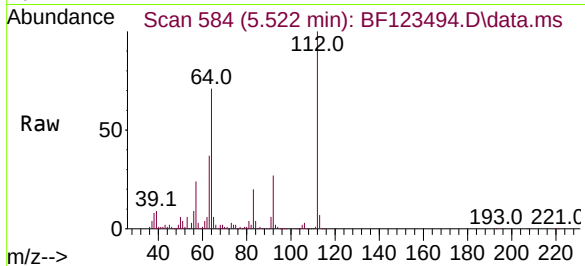




#5
2-Fluorophenol
Concen: 57.43 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

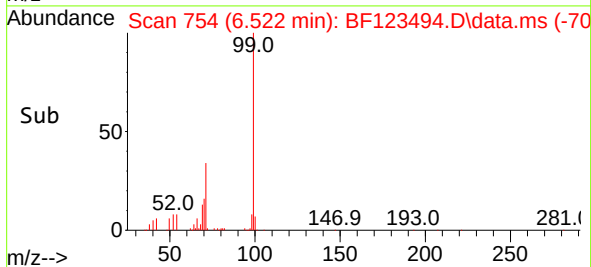
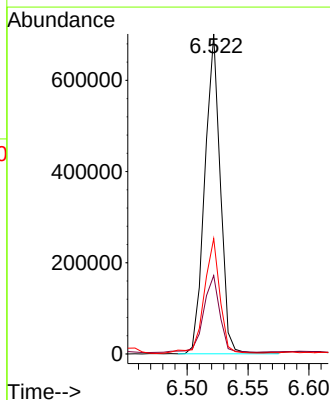
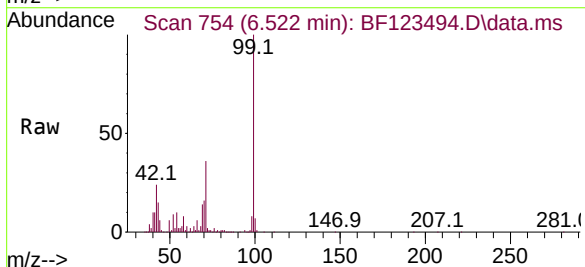
Instrument :
BNA_F
ClientSampleId :
245

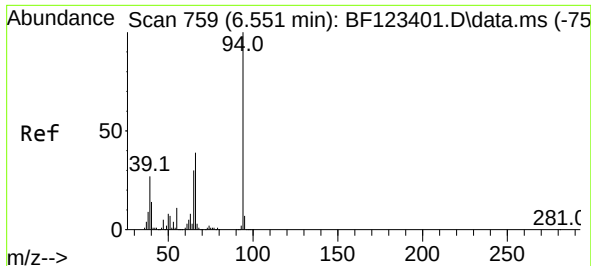
Tgt Ion:112 Resp: 815975
Ion Ratio Lower Upper
112 100
64 71.2 46.9 70.3#
63 37.3 24.5 36.7#



#7
Phenol-d6
Concen: 32.80 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion: 99 Resp: 620312
Ion Ratio Lower Upper
99 100
42 24.5 13.8 20.6#
71 36.0 26.9 40.3

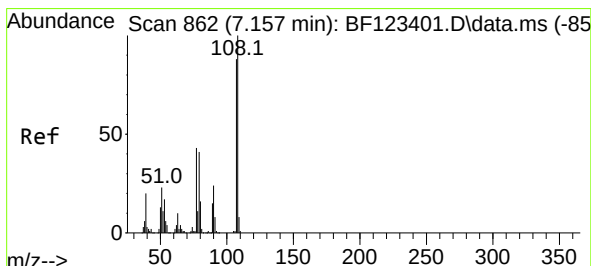
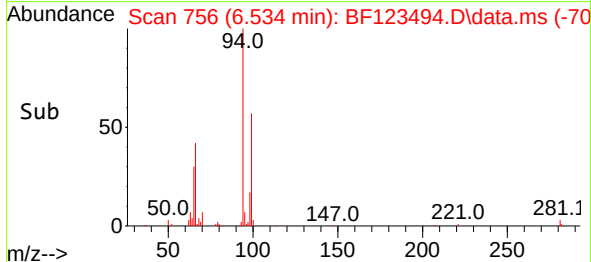
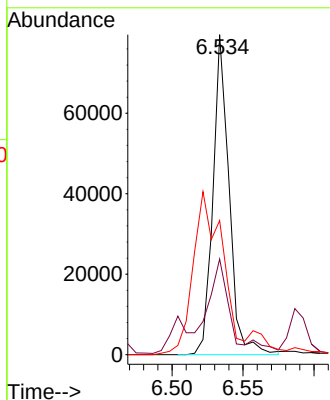
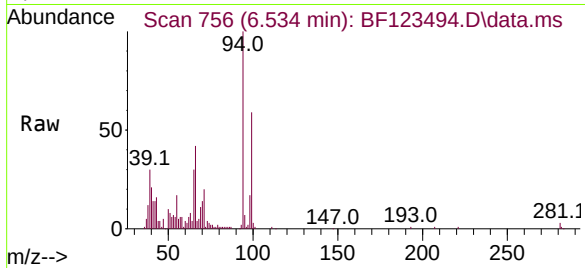




#10
Phenol
Concen: 3.24 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

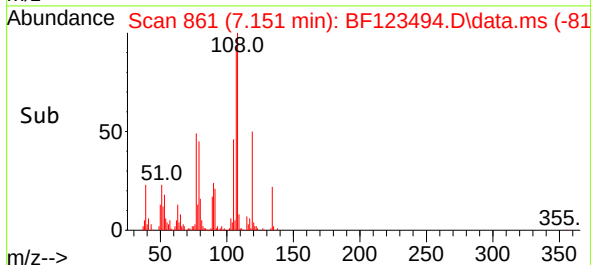
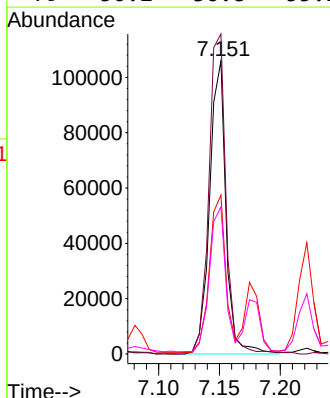
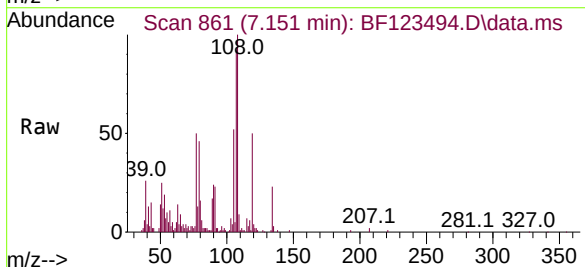
Instrument :
BNA_F
ClientSampled :
245

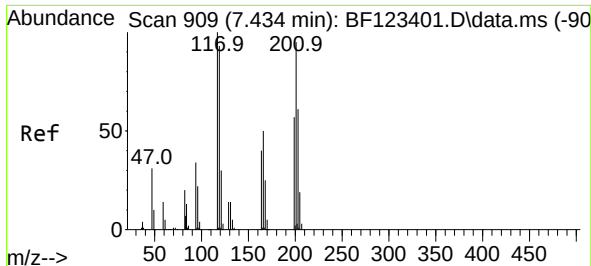
Tgt Ion: 94 Resp: 62830
Ion Ratio Lower Upper
94 100
65 29.9 11.2 51.2
66 41.9 25.8 65.8



#17
2-Methylphenol
Concen: 7.70 ng
RT: 7.151 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion: 107 Resp: 99162
Ion Ratio Lower Upper
107 100
108 109.2 91.1 136.7
77 54.2 36.3 54.5
79 50.2 36.8 55.2

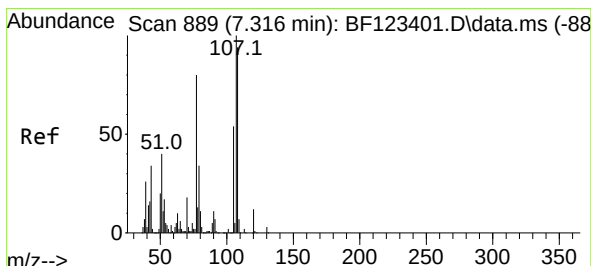
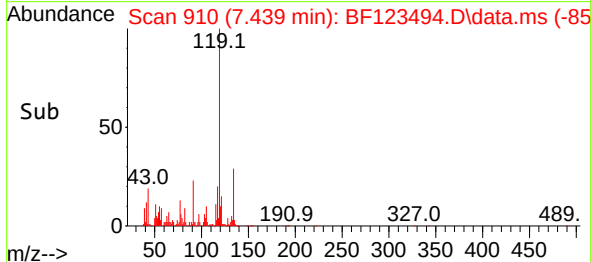
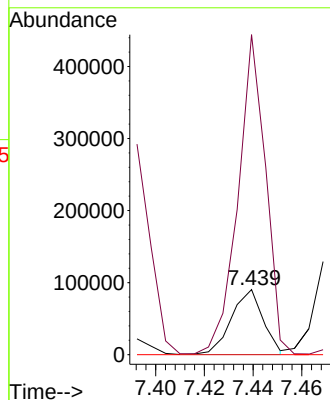
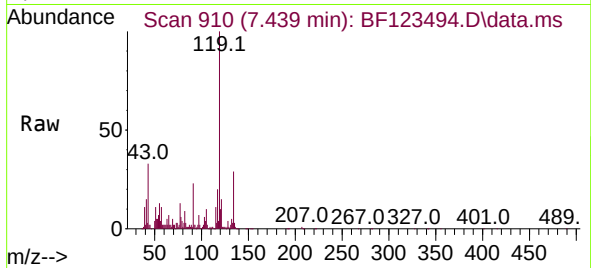




#18
Hexachloroethane
Concen: 12.88 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.024 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

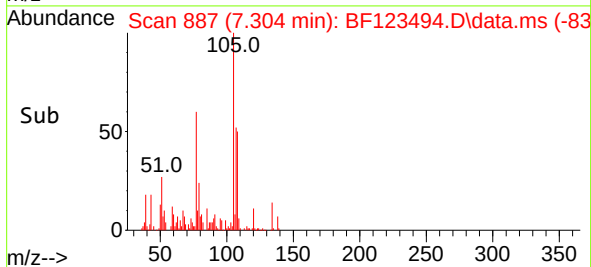
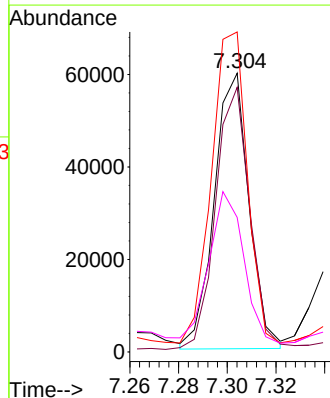
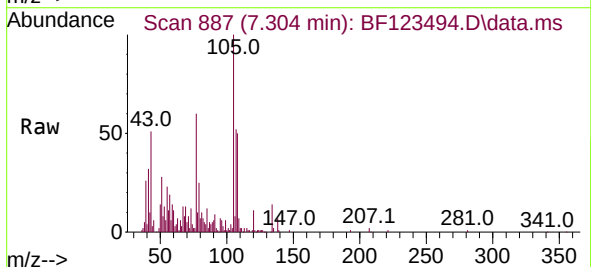
Instrument :
BNA_F
ClientSampled :
245

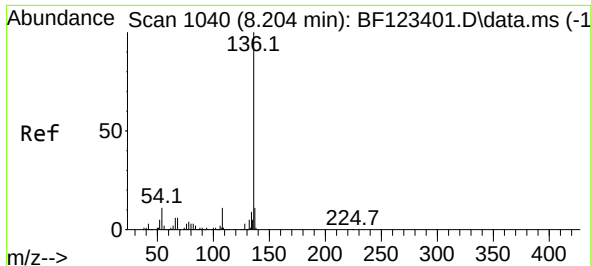
Tgt Ion:117 Resp: 81574
Ion Ratio Lower Upper
117 100
119 491.2 78.4 117.6#
201 0.0 79.6 119.4#



#20
3+4-Methylphenols
Concen: 3.69 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion:107 Resp: 59153
Ion Ratio Lower Upper
107 100
108 95.0 68.7 108.7
77 114.8 89.8 129.8
79 48.3 9.8 49.8

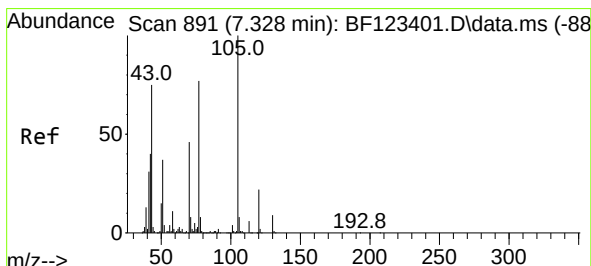
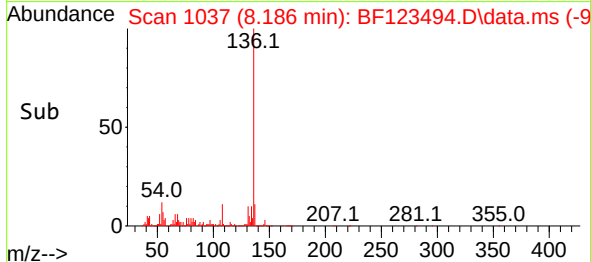
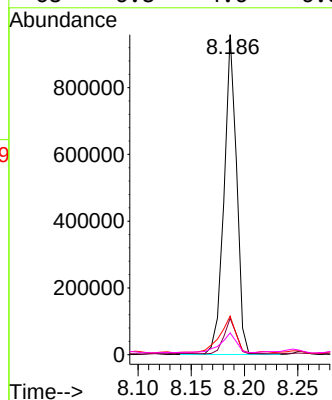
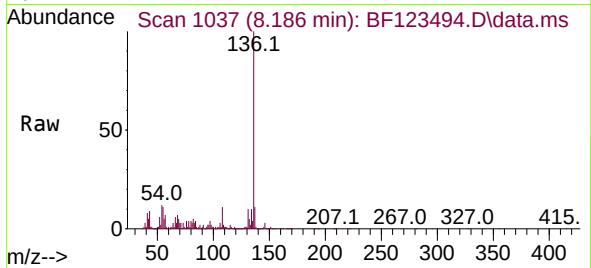




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

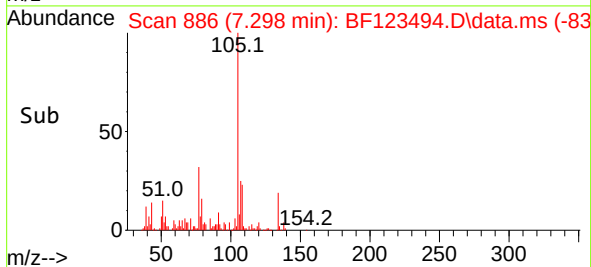
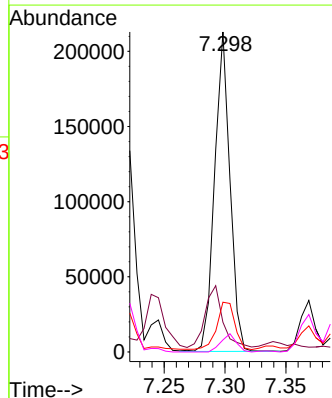
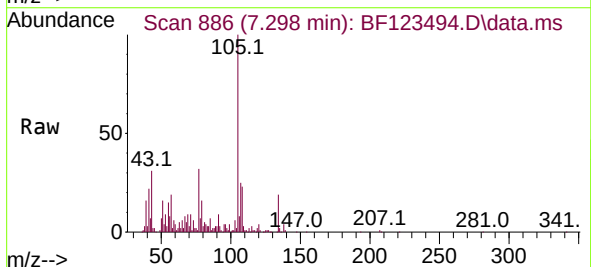
Instrument :
BNA_F
ClientSampled :
245

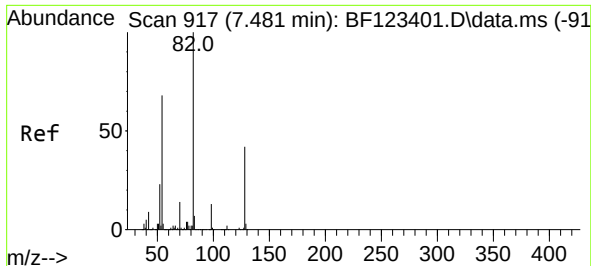
Tgt Ion:136	Resp: 781592
Ion Ratio	Lower Upper
136	100
137	11.4 8.8 13.2
54	12.1 5.5 8.3#
68	6.8 4.6 6.8



#22
Acetophenone
Concen: 9.50 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion:105	Resp: 186431
Ion Ratio	Lower Upper
105	100
71	9.3 6.5 9.7
51	15.6 24.3 36.5#
120	3.8 18.1 27.1#





#23

Nitrobenzene-d5

Concen: 93.61 ng

RT: 7.463 min Scan# 914

Delta R.T. 0.000 min

Lab File: BF123494.D

Acq: 26 Mar 2021 19:29

Tgt Ion: 82 Resp: 1355648

Ion Ratio Lower Upper

82 100

128 40.6 37.0 55.4

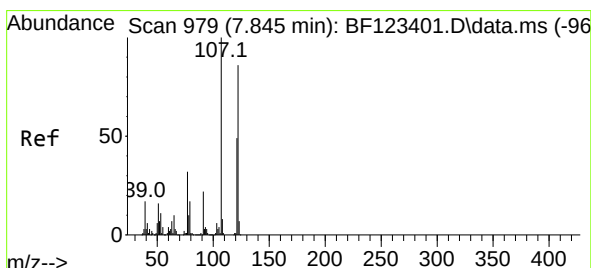
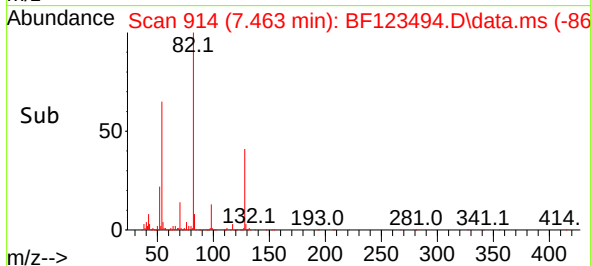
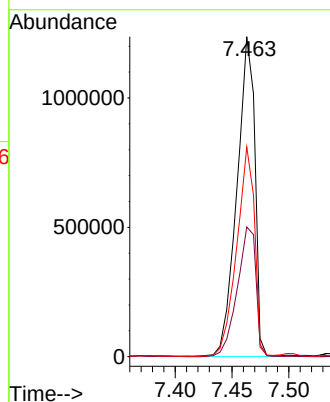
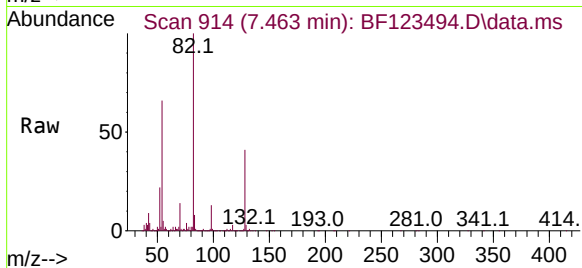
54 65.5 38.4 57.6#

Instrument :

BNA_F

ClientSampled :

245



#27

2,4-Dimethylphenol

Concen: 5.39 ng

RT: 7.851 min Scan# 980

Delta R.T. 0.018 min

Lab File: BF123494.D

Acq: 26 Mar 2021 19:29

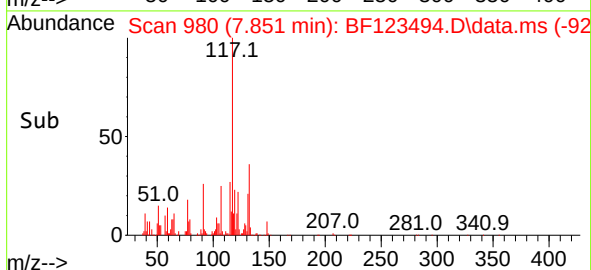
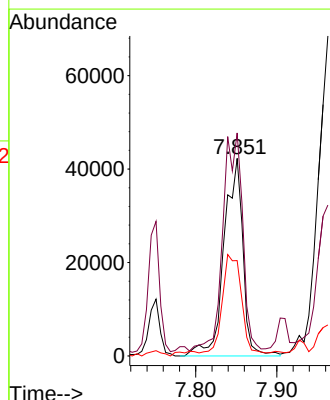
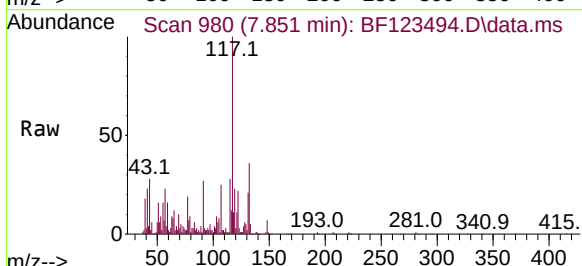
Tgt Ion:122 Resp: 68619

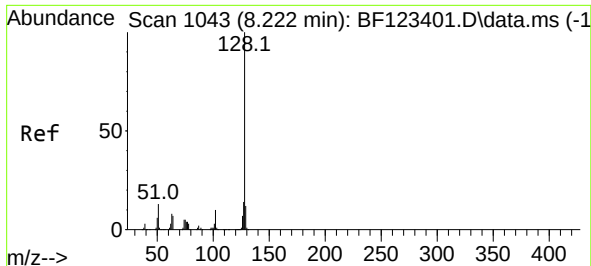
Ion Ratio Lower Upper

122 100

107 112.9 91.8 137.8

121 48.3 47.3 70.9

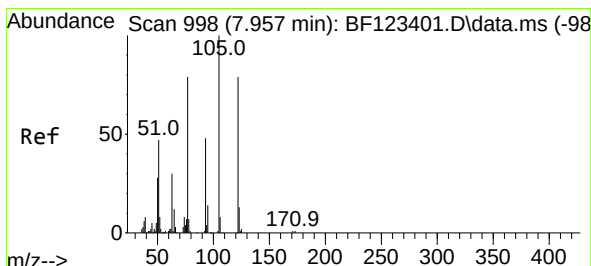
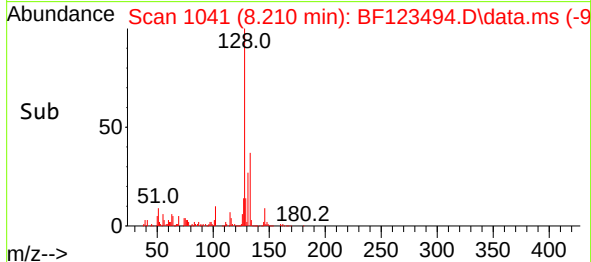
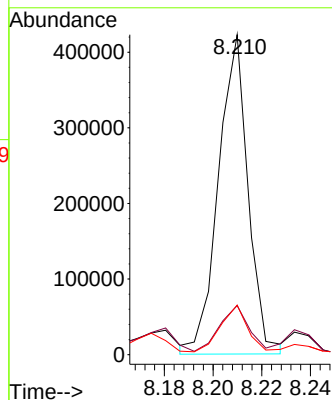
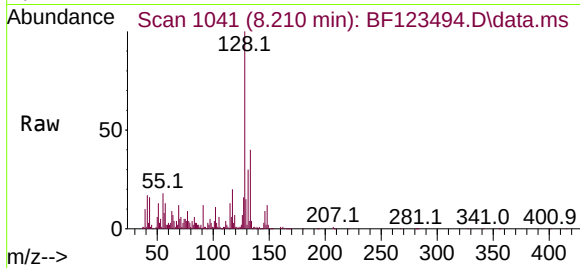




#31
Naphthalene
Concen: 8.49 ng
RT: 8.210 min Scan# 1041
Delta R.T. 0.000 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

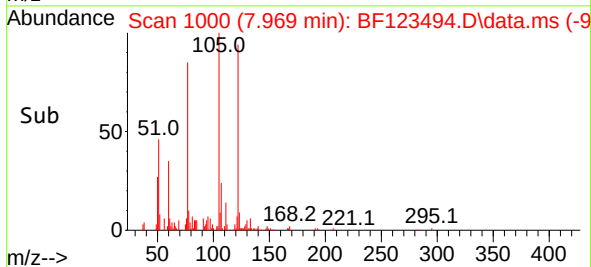
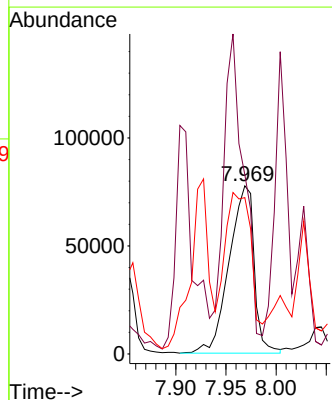
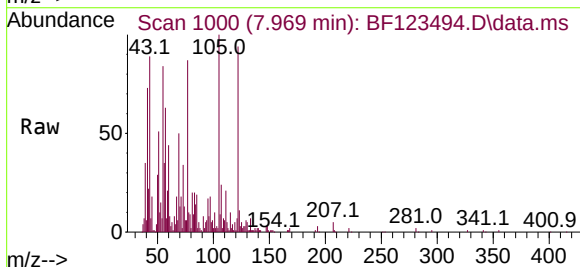
Instrument :
BNA_F
ClientSampled :
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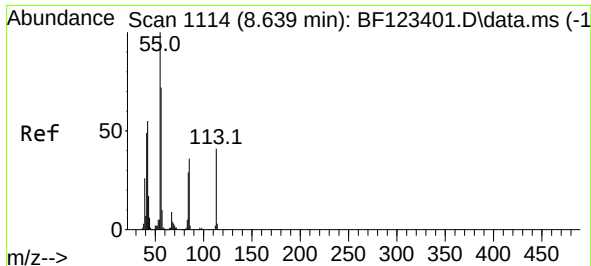
Tgt Ion:128 Resp: 356718
Ion Ratio Lower Upper
128 100
129 15.3 9.0 13.6#
127 15.5 10.7 16.1



#32
Benzoic acid
Concen: 17.98 ng
RT: 7.969 min Scan# 1000
Delta R.T. 0.029 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion:122 Resp: 135026
Ion Ratio Lower Upper
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105 106.6 104.8 144.8
77 93.0 71.0 111.0

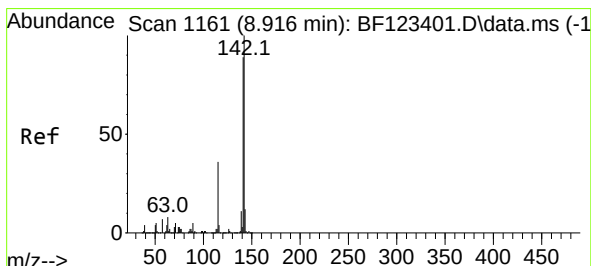
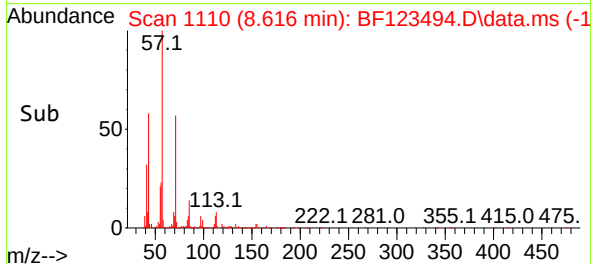
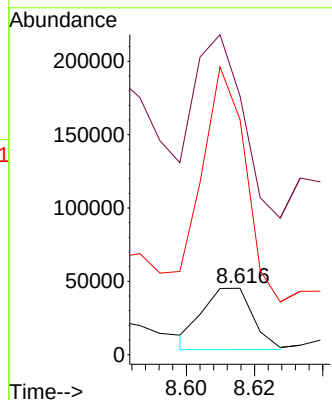
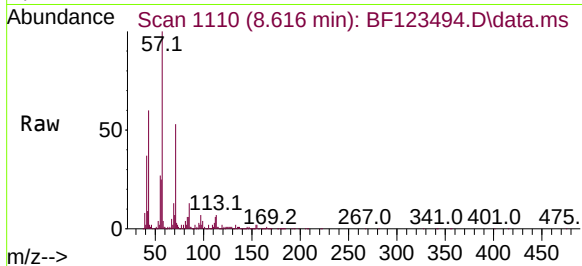




#35
Caprolactam
Concen: 11.36 ng
RT: 8.616 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

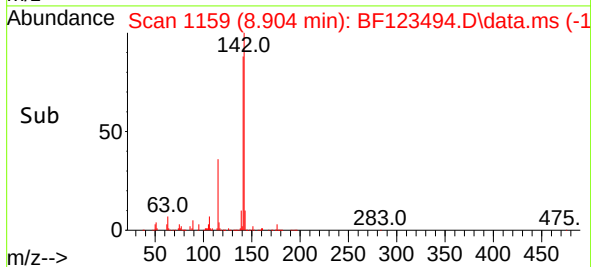
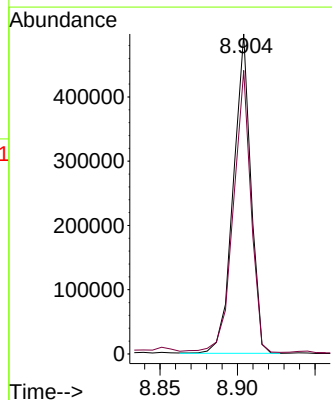
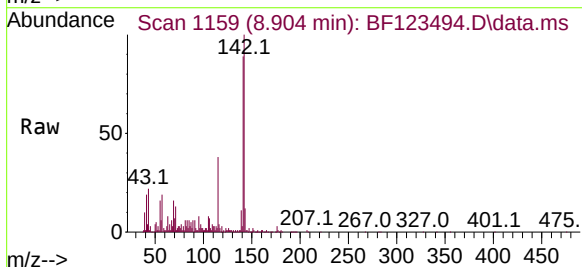
Instrument :
BNA_F
ClientSampled :
245

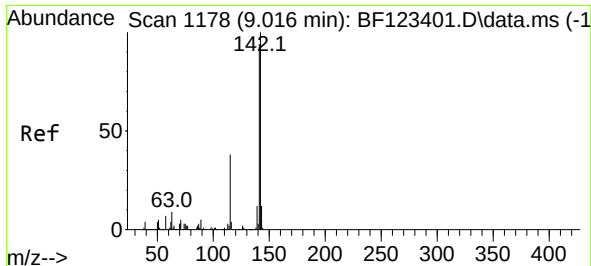
Tgt Ion:113 Resp: 42684
Ion Ratio Lower Upper
113 100
55 389.2 133.7 173.7#
56 354.1 95.3 135.3#



#37
2-Methylnaphthalene
Concen: 13.58 ng
RT: 8.904 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion:142 Resp: 391156
Ion Ratio Lower Upper
142 100
141 88.6 70.6 106.0

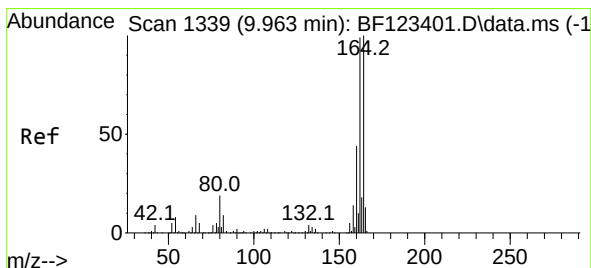
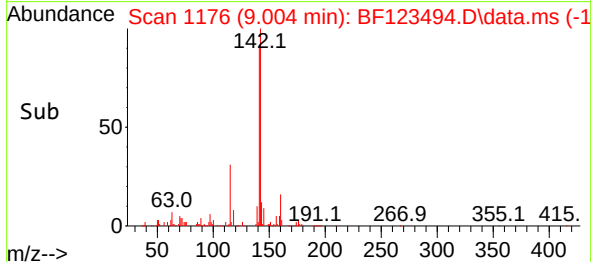
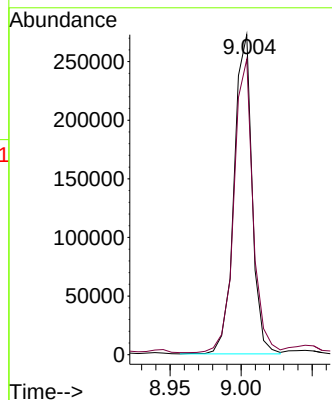
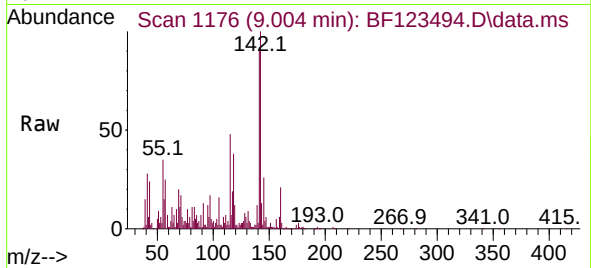




#38
1-Methylnaphthalene
Concen: 8.88 ng
RT: 9.004 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

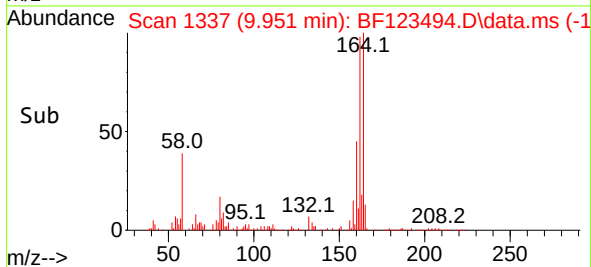
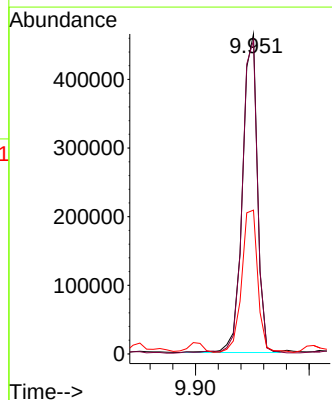
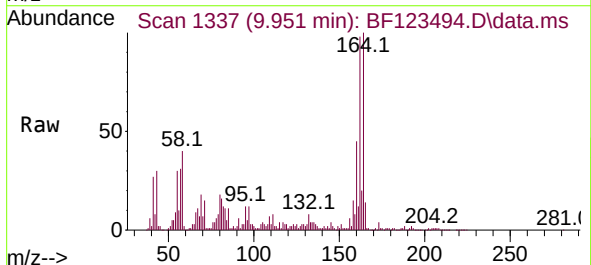
Instrument :
BNA_F
ClientSampled :
245

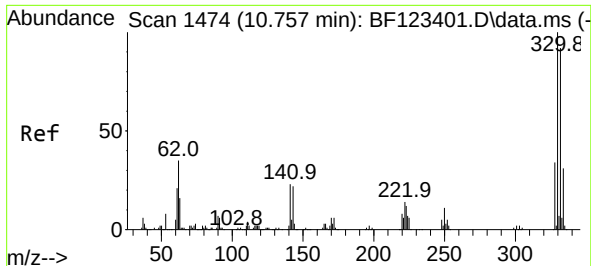
Tgt Ion:142 Resp: 240090
Ion Ratio Lower Upper
142 100
141 92.3 74.5 111.7



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion:164 Resp: 423469
Ion Ratio Lower Upper
164 100
162 98.0 80.8 121.2
160 45.0 35.4 53.0

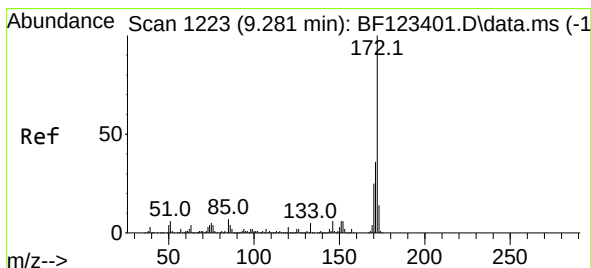
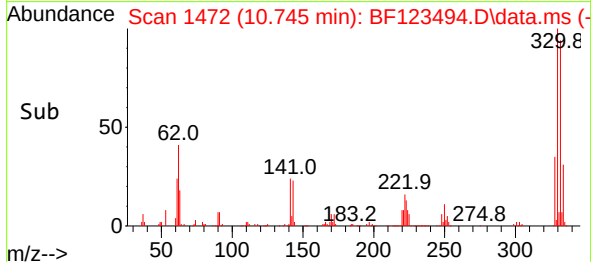
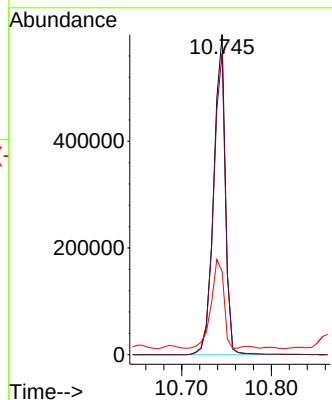
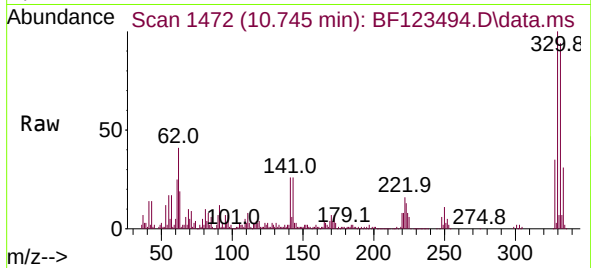




#42
2,4,6-Tribromophenol
Concen: 114.17 ng
RT: 10.745 min Scan# 1472
Delta R.T. 0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

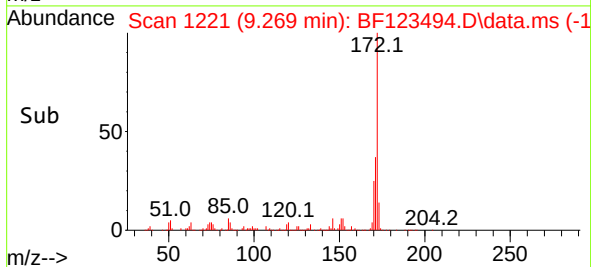
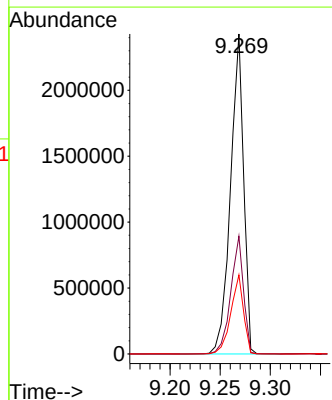
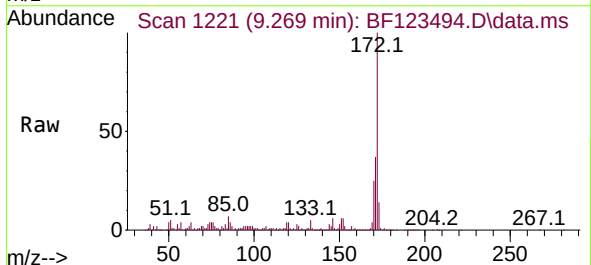
Instrument :
BNA_F
ClientSampled :
245

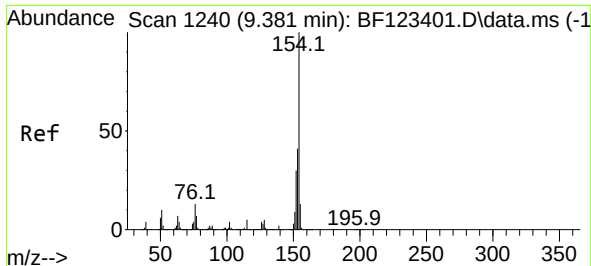
Tgt Ion:330 Resp: 540517
Ion Ratio Lower Upper
330 100
332 95.8 77.5 116.3
141 30.0 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 74.36 ng
RT: 9.269 min Scan# 1221
Delta R.T. 0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion:172 Resp: 2204181
Ion Ratio Lower Upper
172 100
171 36.8 29.6 44.4
170 24.7 19.5 29.3

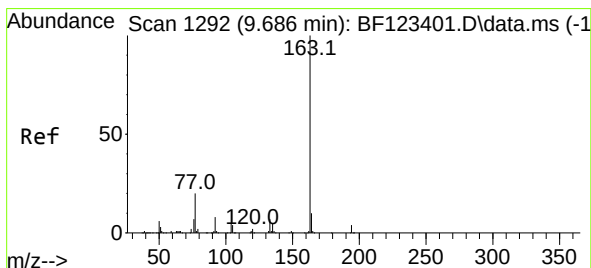
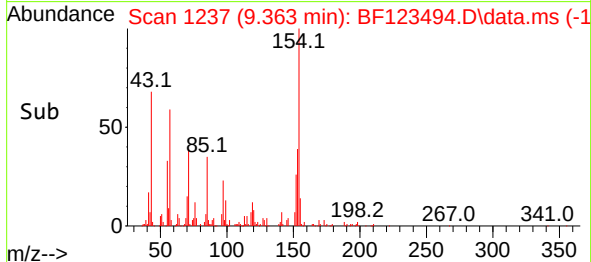
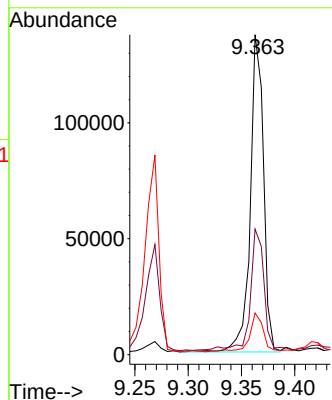
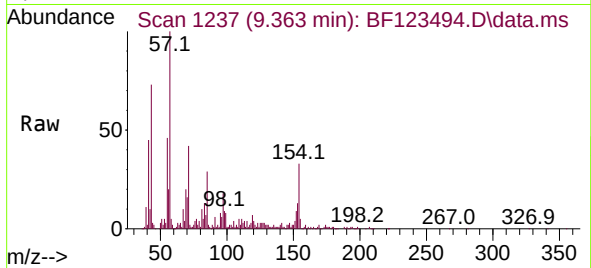




#46
1,1'-Biphenyl
Concen: 3.62 ng
RT: 9.363 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

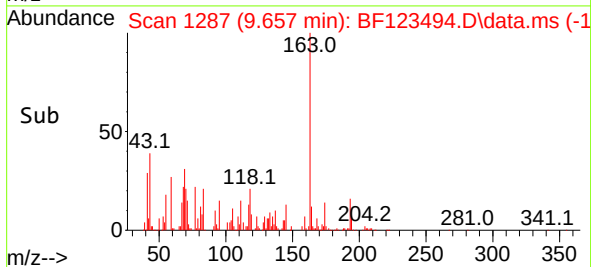
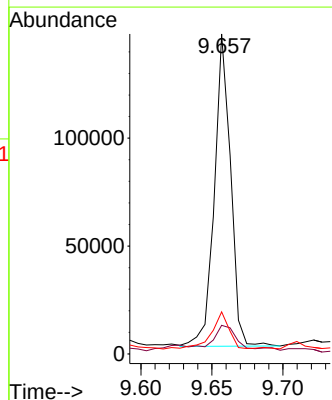
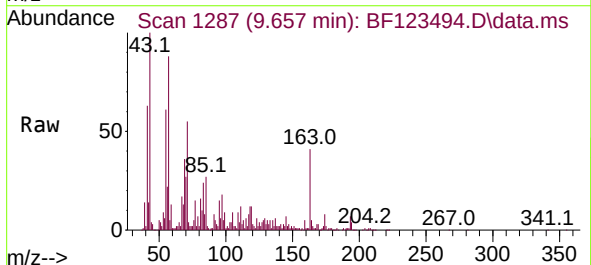
Instrument :
BNA_F
ClientSampled :
245

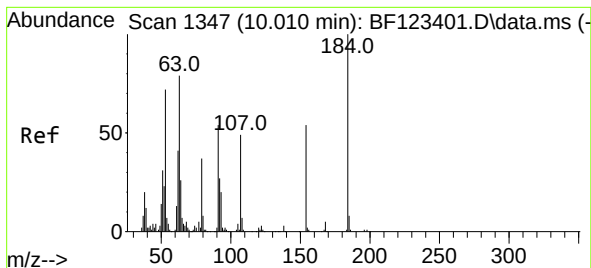
Tgt Ion:154 Resp: 118159
Ion Ratio Lower Upper
154 100
153 39.3 21.8 61.8
76 13.1 0.0 33.4



#50
Dimethylphthalate
Concen: 3.82 ng
RT: 9.657 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion:163 Resp: 114836
Ion Ratio Lower Upper
163 100
194 9.0 3.4 5.0#
164 13.1 8.1 12.1#

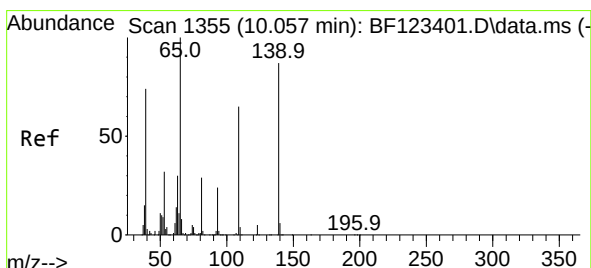
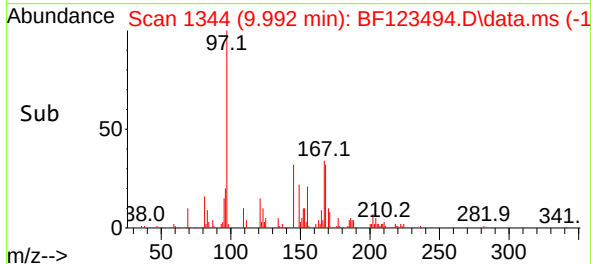
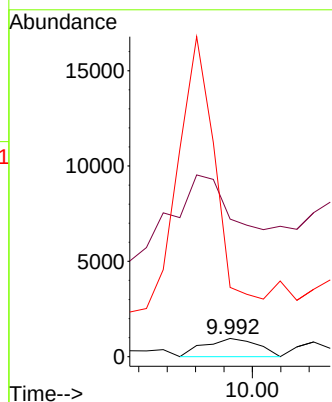
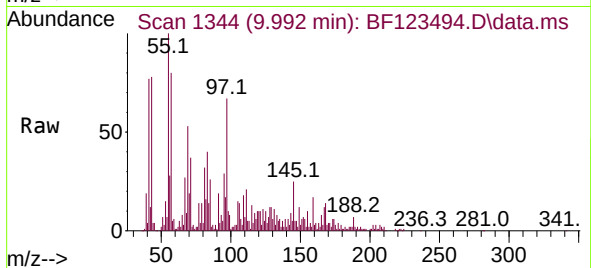




#54
2,4-Dinitrophenol
Concen: 9.01 ng
RT: 9.992 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

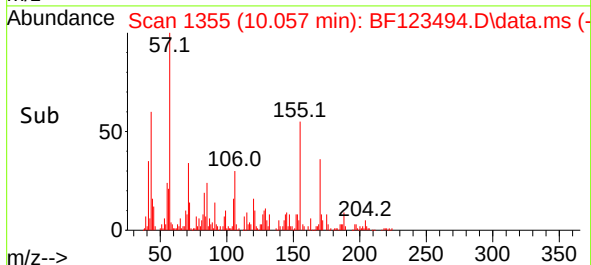
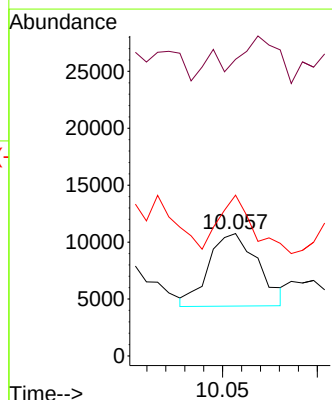
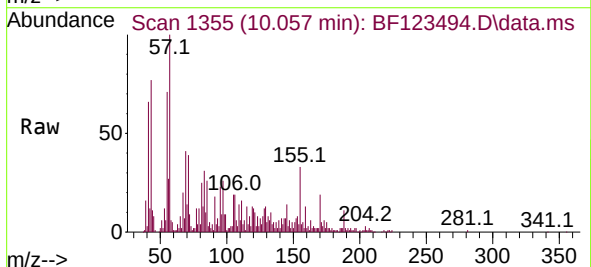
Instrument :
BNA_F
ClientSampled :
245

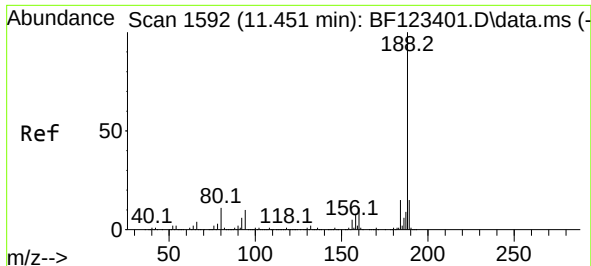
Tgt Ion:184 Resp: 1248
Ion Ratio Lower Upper
184 100
63 756.5 51.4 77.2#
154 380.8 49.7 74.5#



#56
4-Nitrophenol
Concen: 2.16 ng
RT: 10.057 min Scan# 1355
Delta R.T. 0.012 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion:139 Resp: 11535
Ion Ratio Lower Upper
139 100
109 242.4 45.1 85.1#
65 131.4 59.2 99.2#

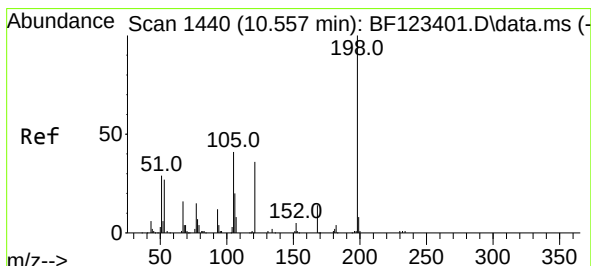
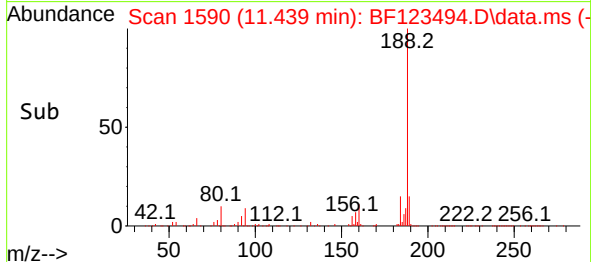
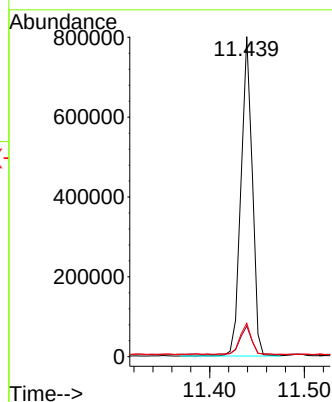
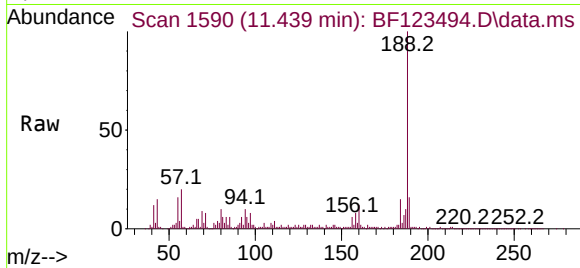




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

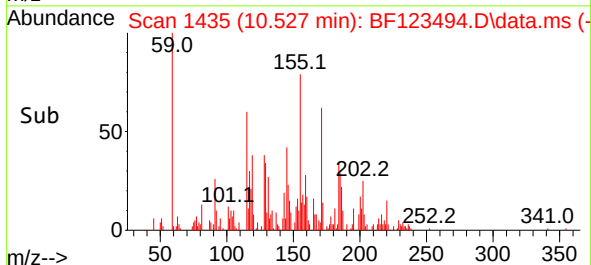
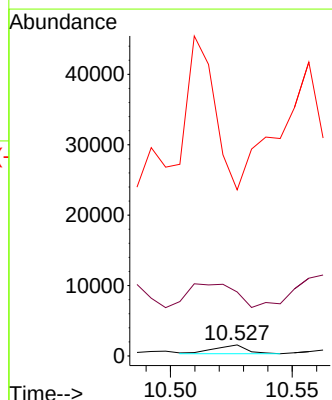
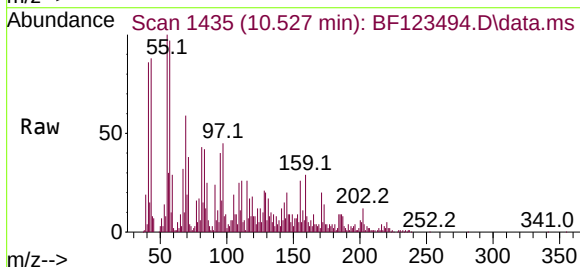
Instrument :
BNA_F
ClientSampled :
245

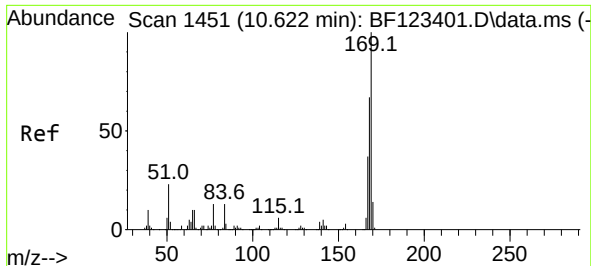
Tgt Ion:188 Resp: 660070
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.5 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.42 ng
RT: 10.527 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion:198 Resp: 1174
Ion Ratio Lower Upper
198 100
51 580.2 20.3 60.3#
105 1504.6 23.0 63.0#

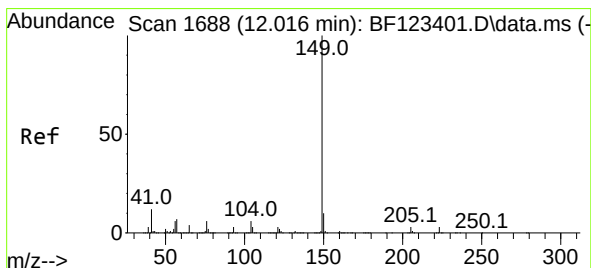
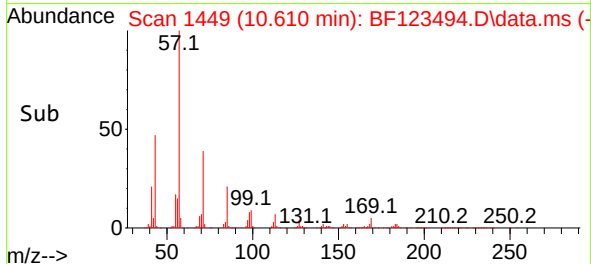
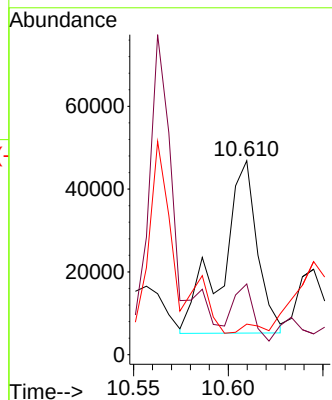
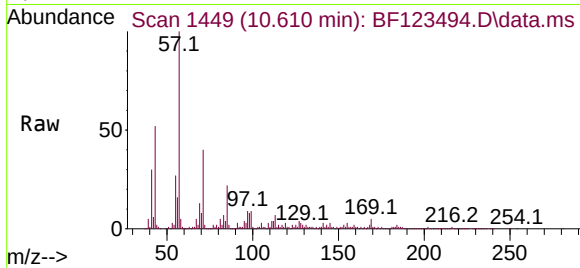




#66
n-Nitrosodiphenylamine
Concen: 2.42 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

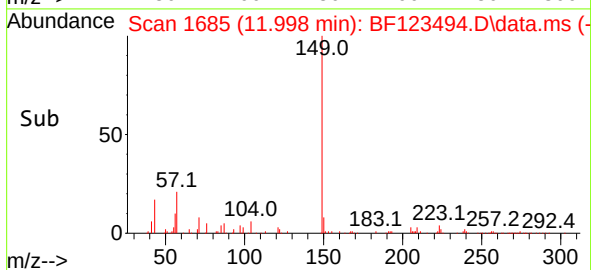
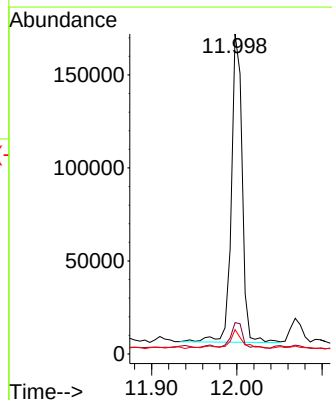
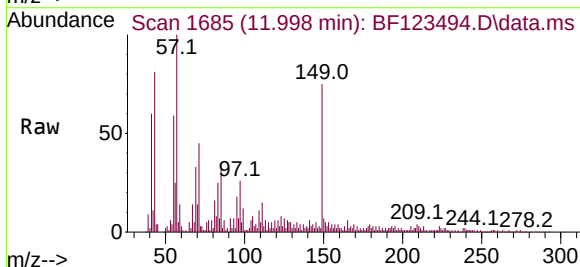
Instrument :
BNA_F
ClientSampled :
245

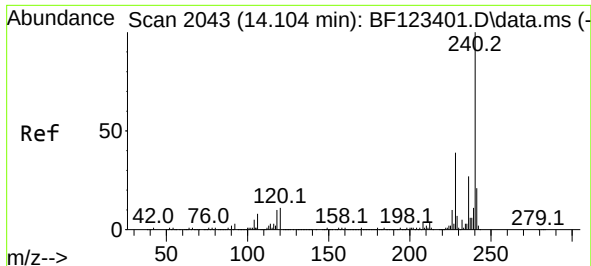
Tgt Ion:169 Resp: 53555
Ion Ratio Lower Upper
169 100
168 36.4 54.2 81.2#
167 15.8 29.2 43.8#



#74
Di-n-butylphthalate
Concen: 3.71 ng
RT: 11.998 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion:149 Resp: 146505
Ion Ratio Lower Upper
149 100
150 9.8 7.8 11.6
104 7.6 4.2 6.4#

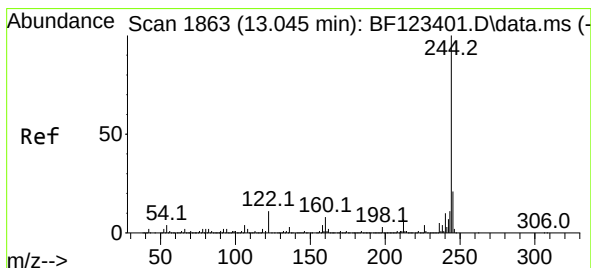
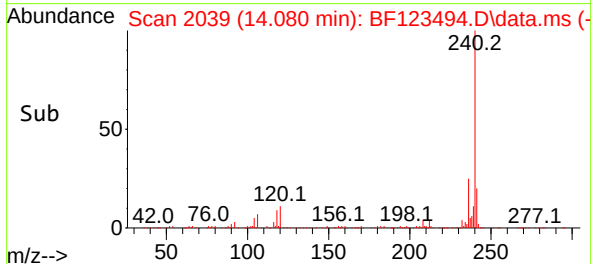
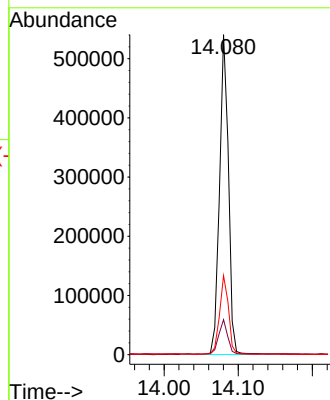
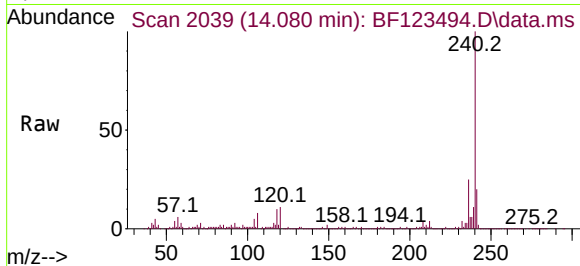




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

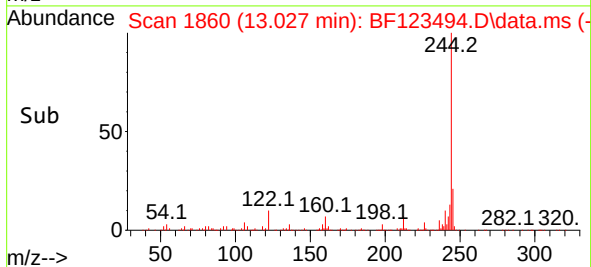
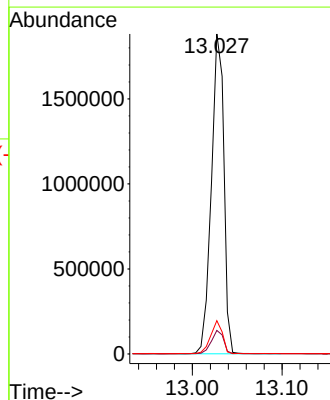
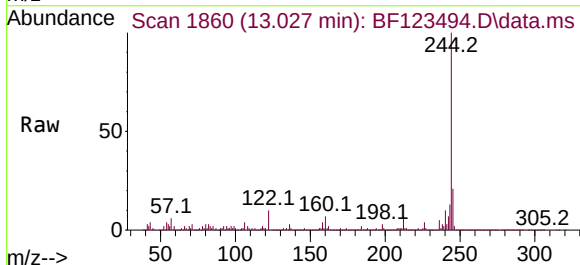
Instrument :
BNA_F
ClientSampled :
245

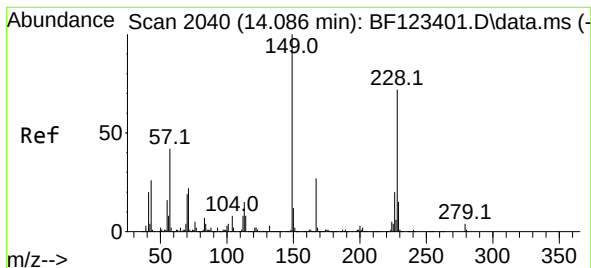
Tgt Ion:240 Resp: 449684
Ion Ratio Lower Upper
240 100
120 11.0 8.6 12.8
236 24.7 20.3 30.5



#79
Terphenyl-d14
Concen: 68.66 ng
RT: 13.027 min Scan# 1860
Delta R.T. 0.000 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion:244 Resp: 1821796
Ion Ratio Lower Upper
244 100
212 7.4 5.7 8.5
122 10.4 8.3 12.5

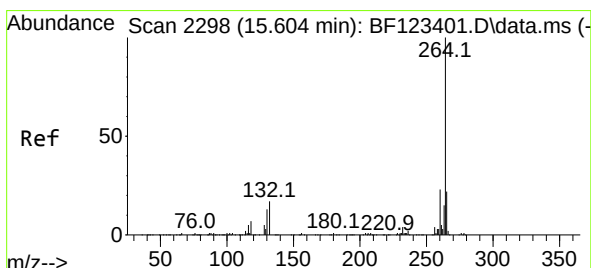
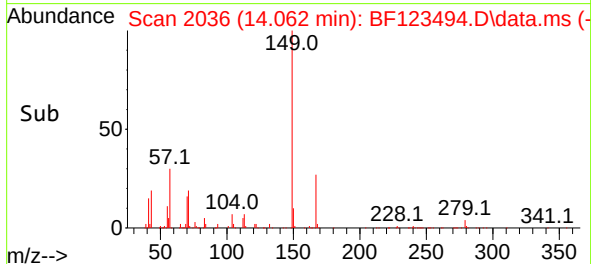
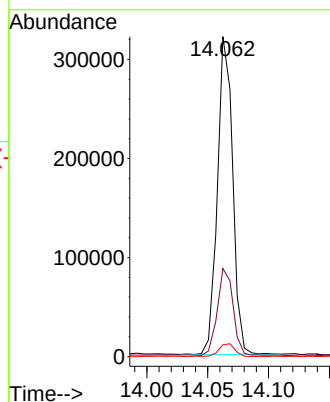
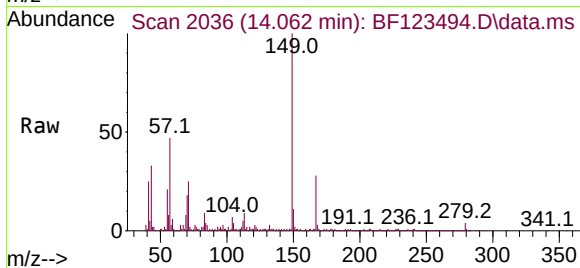




#84
Bis(2-ethylhexyl)phthalate
Concen: 14.80 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Instrument :
BNA_F
ClientSampled :
245

Tgt Ion:149 Resp: 280260
Ion Ratio Lower Upper
149 100
167 27.5 21.4 32.2
279 3.7 3.4 5.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.000 min
Lab File: BF123494.D
Acq: 26 Mar 2021 19:29

Tgt Ion:264 Resp: 465058
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 20.7 17.0 25.6

