

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063021\
 Data File : BF124504.D
 Acq On : 30 Jun 2021 21:38
 Operator : JU/CG
 Sample : M2896-04 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FS-02

Quant Time: Jul 01 05:16:08 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 29 12:49:33 2021
 Response via : Initial Calibration

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

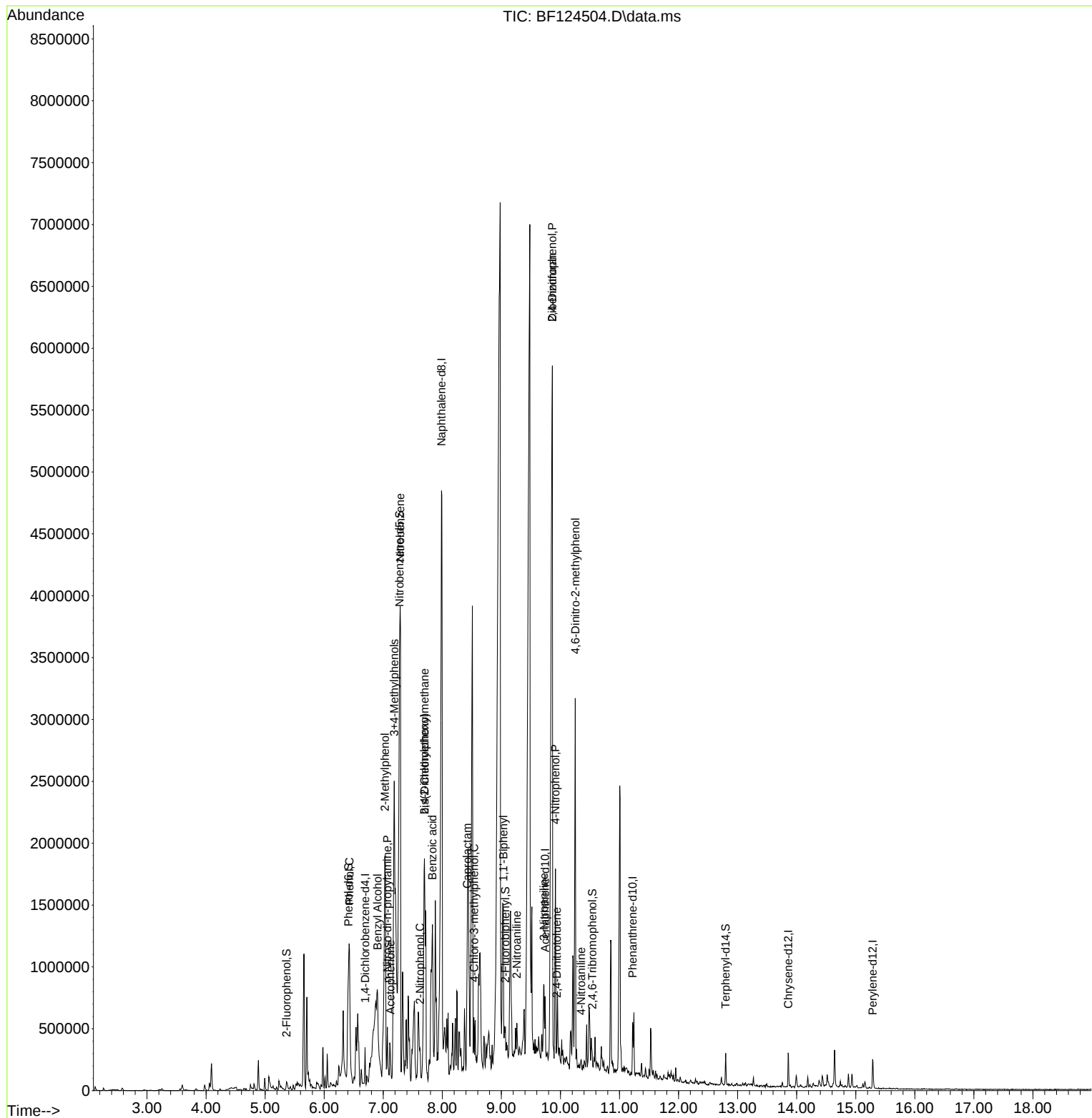
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.692	152	35576	20.00	ng	0.00
21) Naphthalene-d8	7.986	136	171930	20.00	ng	# 0.01
39) Acenaphthene-d10	9.739	164	86421	20.00	ng	# 0.01
64) Phenanthrene-d10	11.222	188	158078	20.00	ng	0.00
76) Chrysene-d12	13.857	240	86514	20.00	ng	0.00
86) Perylene-d12	15.286	264	93363	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	28700	12.69	ng	0.05
7) Phenol-d6	6.410	99	38534	13.05	ng	0.06
23) Nitrobenzene-d5	7.275	82	140175	33.80	ng	0.01
42) 2,4,6-Tribromophenol	10.539	330	15245	14.77	ng	0.02
45) 2-Fluorobiphenyl	9.069	172	56503	8.01	ng	0.02
79) Terphenyl-d14	12.798	244	61854	10.71	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.428	94	833533	261.00	ng	97
15) Benzyl Alcohol	6.904	79	38429	15.17	ng	# 53
17) 2-Methylphenol	7.028	107	641847	319.05	ng	95
19) n-Nitroso-di-n-propyla...	7.069	70	18461	9.29	ng	# 78
20) 3+4-Methylphenols	7.186	107	1306351	497.49	ng	# 68
22) Acetophenone	7.122	105	53880	11.26	ng	# 85
24) Nitrobenzene	7.287	77	75915	18.33	ng	# 1
26) 2-Nitrophenol	7.622	139	4240	2.10	ng	# 1
27) 2,4-Dimethylphenol	7.698	122	565150	210.42	ng	94
28) bis(2-Chloroethoxy)met...	7.698	93	41329	11.44	ng	# 1
32) Benzoic acid	7.834	122	425543	237.92	ng	# 15
35) Caprolactam	8.422	113	3077	3.68	ng	# 1
36) 4-Chloro-3-methylphenol	8.539	107	11909	3.70	ng	# 28
46) 1,1'-Biphenyl	9.033	154	160990	21.92	ng	# 55
48) 2-Nitroaniline	9.263	65	31468	15.92	ng	# 37
53) 3-Nitroaniline	9.722	138	10346	7.43	ng	# 3
54) 2,4-Dinitrophenol	9.863	184	17980	37.74	ng	# 1
55) Dibenzofuran	9.863	168	305040	34.71	ng	# 92
56) 4-Nitrophenol	9.916	139	7428	10.16	ng	# 1
57) 2,4-Dinitrotoluene	9.939	165	4585	2.20	ng	# 32
62) 4-Nitroaniline	10.351	138	3611	2.69	ng	# 65
65) 4,6-Dinitro-2-methylph...	10.251	198	5092	4.49	ng	# 1

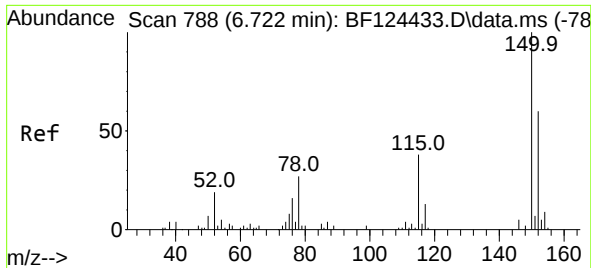
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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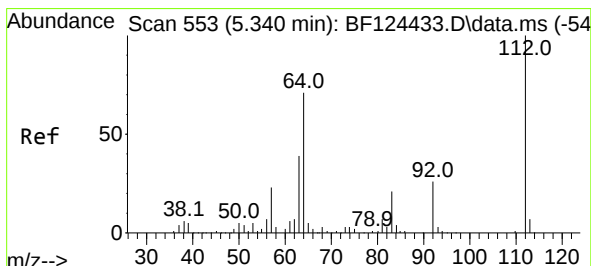
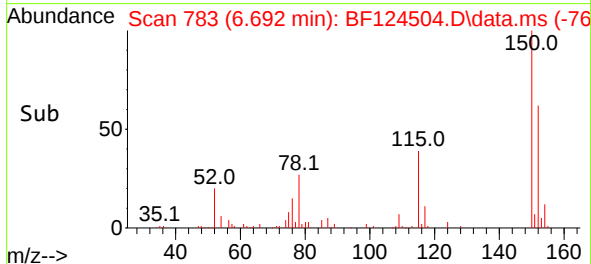
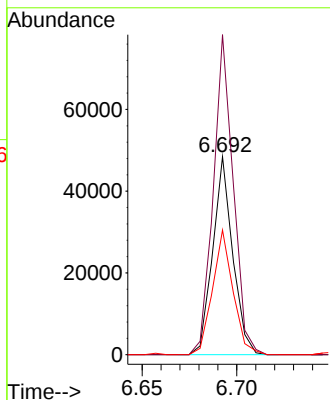
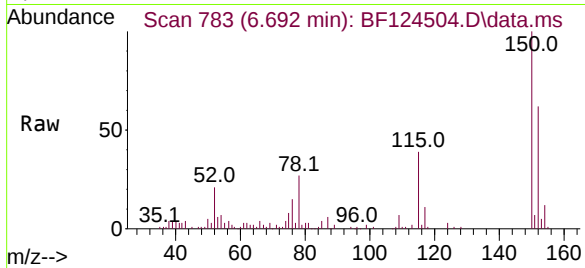




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.692 min Scan# 783
Delta R.T. 0.000 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

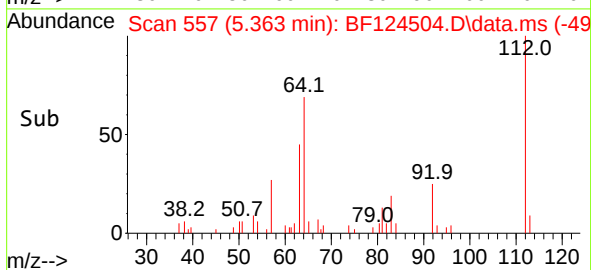
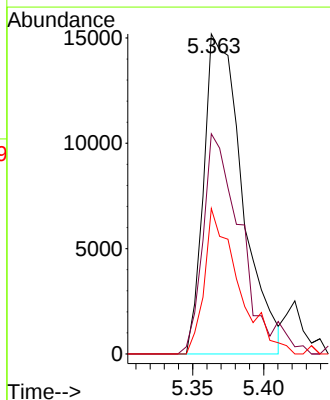
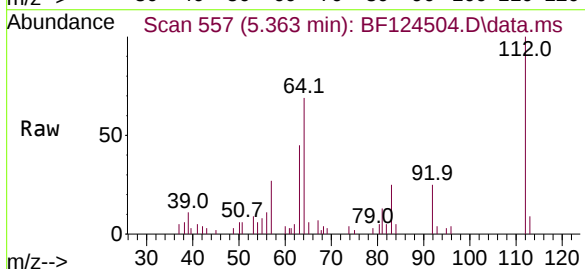
Instrument :
BNA_F
ClientSampled :
FS-02

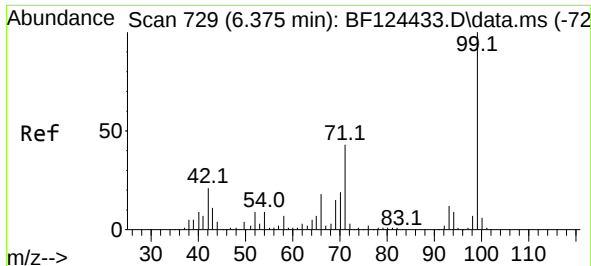
Tgt Ion:152 Resp: 35576
Ion Ratio Lower Upper
152 100
150 161.6 127.0 190.6
115 62.9 54.3 81.5



#5
2-Fluorophenol
Concen: 12.69 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.053 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Tgt Ion:112 Resp: 28700
Ion Ratio Lower Upper
112 100
64 68.8 61.4 92.0
63 45.5 33.0 49.4

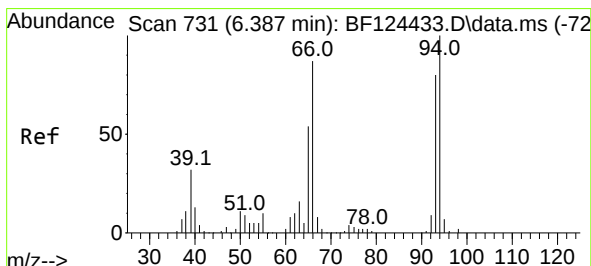
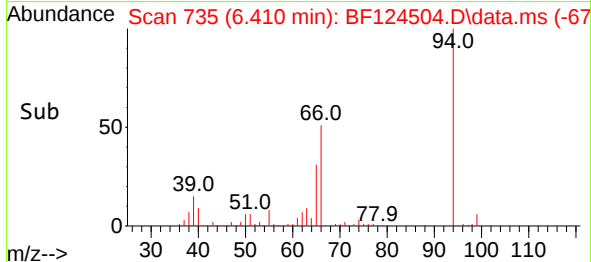
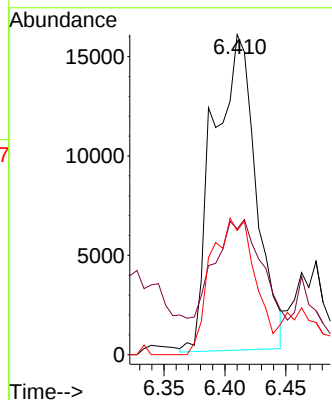
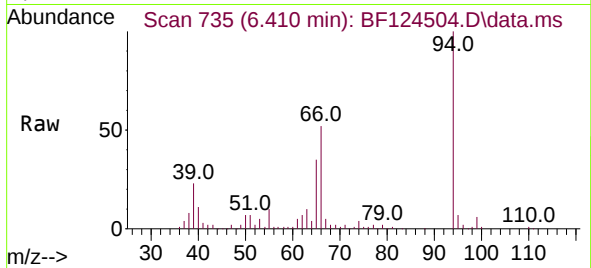




#7
Phenol-d6
Concen: 13.05 ng
RT: 6.410 min Scan# 735
Delta R.T. 0.059 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

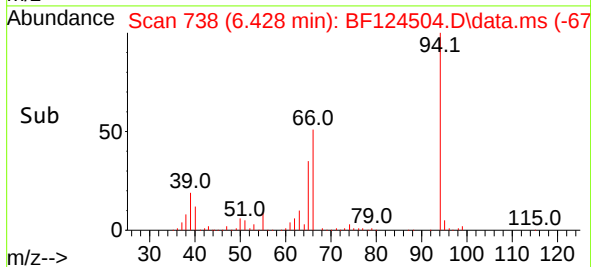
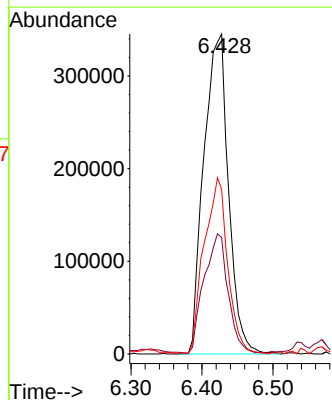
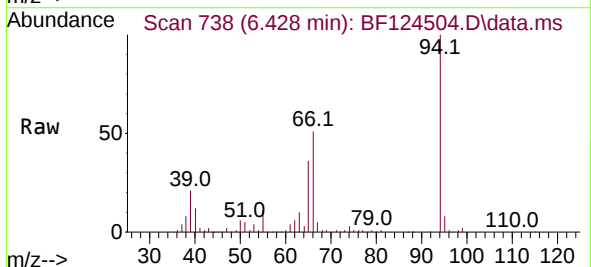
Instrument :
BNA_F
ClientSampled :
FS-02

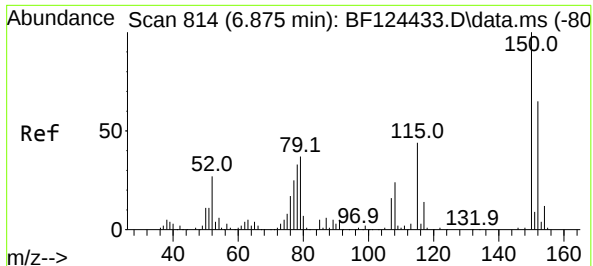
Tgt Ion: 99 Resp: 38534
Ion Ratio Lower Upper
99 100
42 39.3 19.8 29.8#
71 38.8 31.1 46.7



#10
Phenol
Concen: 261.00 ng
RT: 6.428 min Scan# 738
Delta R.T. 0.065 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Tgt Ion: 94 Resp: 833533
Ion Ratio Lower Upper
94 100
65 36.4 18.1 58.1
66 51.4 29.0 69.0





#15

Benzyl Alcohol

Concen: 15.17 ng

RT: 6.904 min Scan# 819

Delta R.T. 0.059 min

Lab File: BF124504.D

Acq: 30 Jun 2021 21:38

Instrument :

BNA_F

ClientSampled :

FS-02

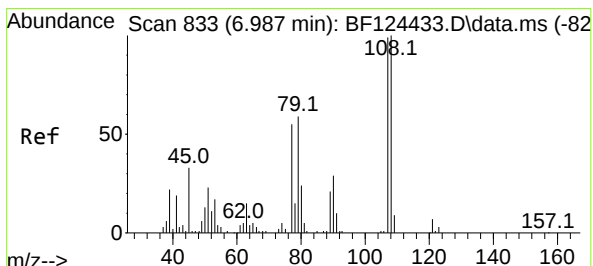
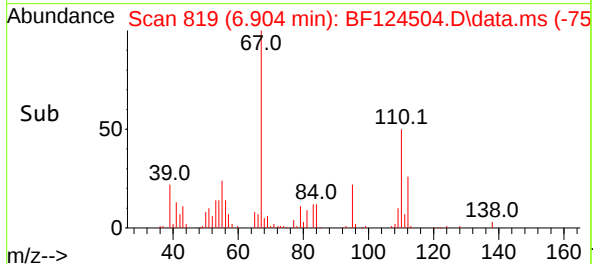
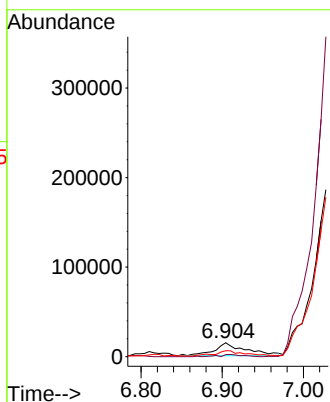
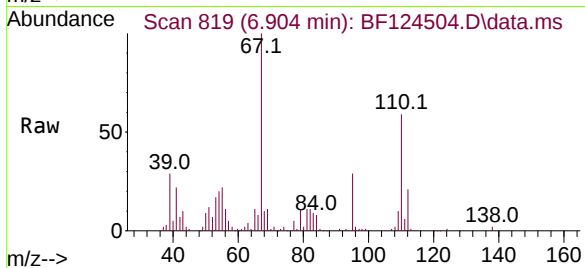
Tgt Ion: 79 Resp: 38429

Ion Ratio Lower Upper

79 100

108 15.0 55.8 83.8#

77 42.7 49.9 74.9#



#17

2-Methylphenol

Concen: 319.05 ng

RT: 7.028 min Scan# 840

Delta R.T. 0.065 min

Lab File: BF124504.D

Acq: 30 Jun 2021 21:38

Tgt Ion: 107 Resp: 641847

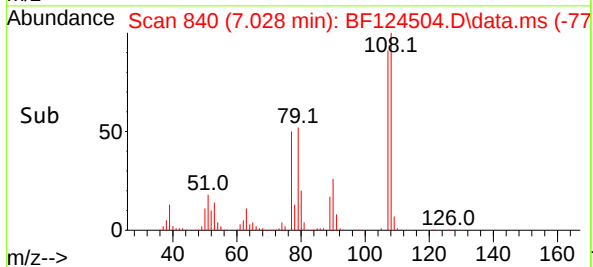
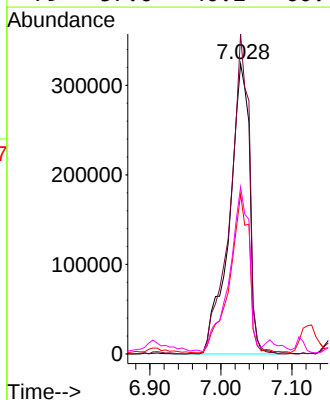
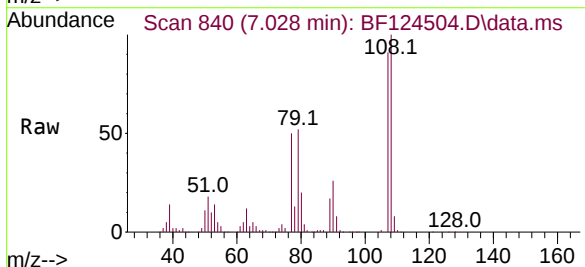
Ion Ratio Lower Upper

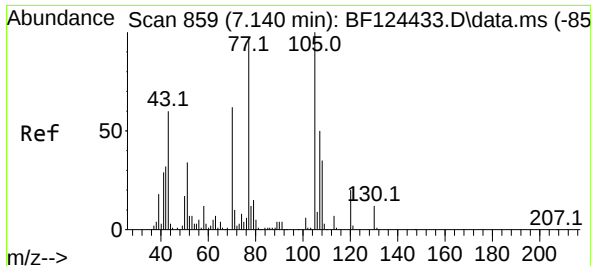
107 100

108 110.3 89.8 134.8

77 55.1 40.9 61.3

79 57.6 40.2 60.4

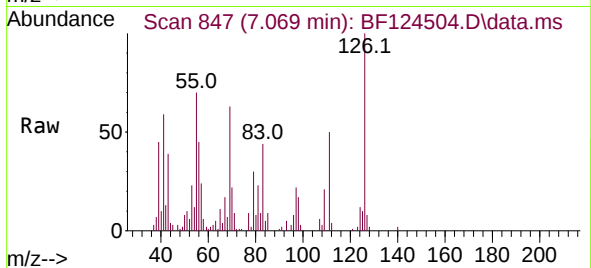




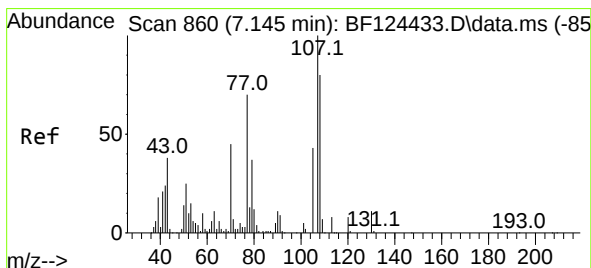
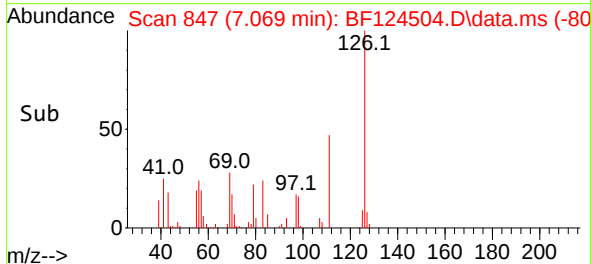
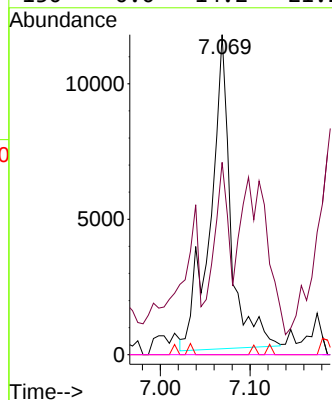
#19

n-Nitroso-di-n-propylamine
Concen: 9.29 ng
RT: 7.069 min Scan# 847
Delta R.T. -0.047 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Instrument :
BNA_F
ClientSampled :
FS-02



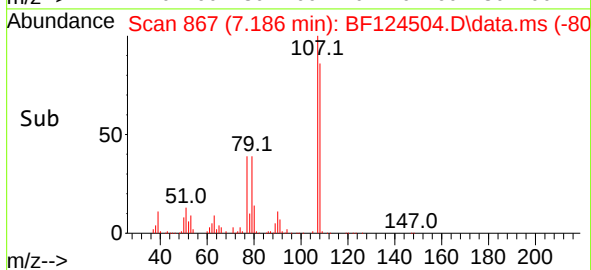
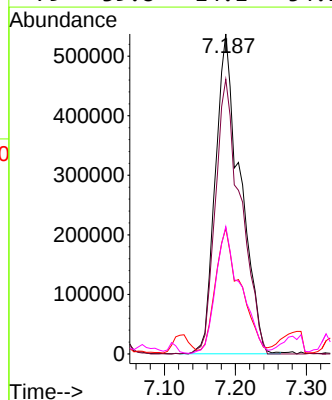
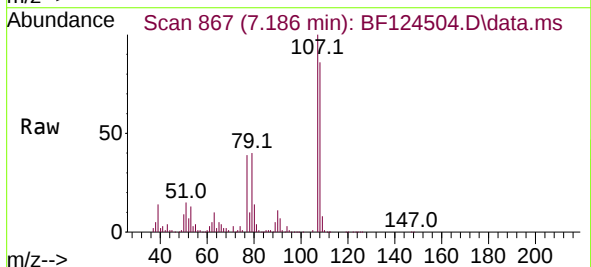
Tgt Ion: 70	Resp: 18461
Ion Ratio	Lower Upper
70	100
42	60.1 60.1 90.1
101	0.0 7.4 11.2#
130	0.0 14.2 21.2#

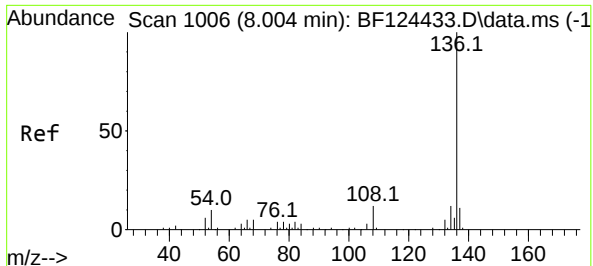


#20

3+4-Methylphenols
Concen: 497.49 ng
RT: 7.186 min Scan# 867
Delta R.T. 0.065 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

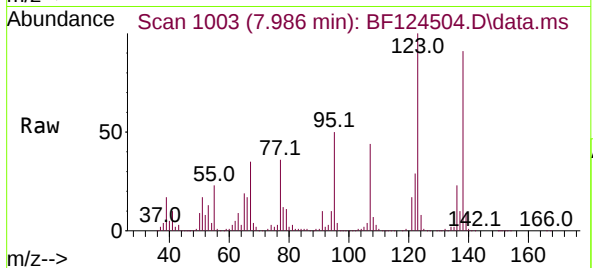
Tgt Ion: 107	Resp: 1306351
Ion Ratio	Lower Upper
107	100
108	85.9 71.5 111.5
77	39.2 82.0 122.0#
79	39.8 14.1 54.1



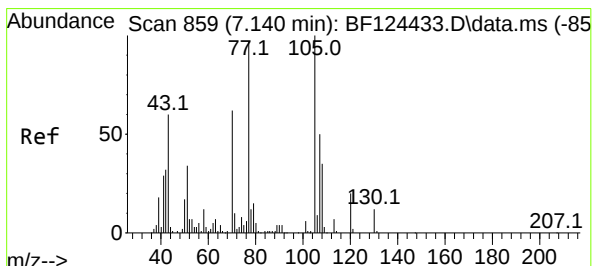
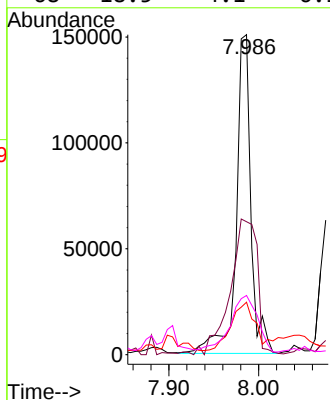
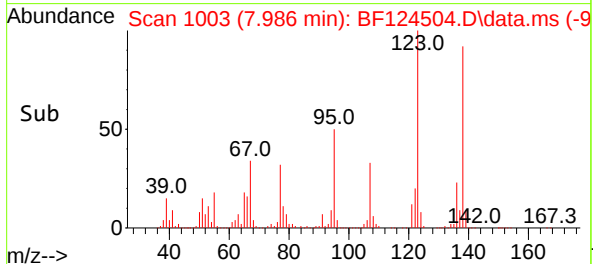


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.986 min Scan# 1003
Delta R.T. 0.012 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

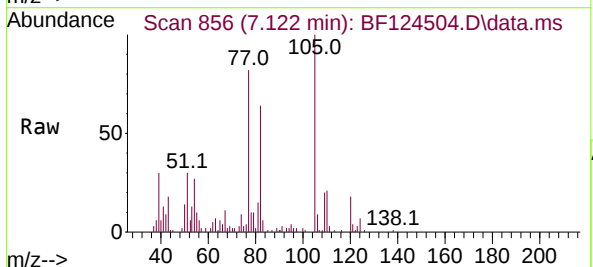
Instrument :
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ClientSampled :
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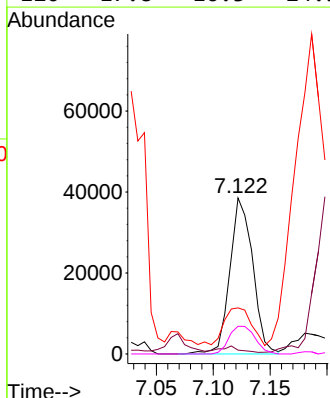
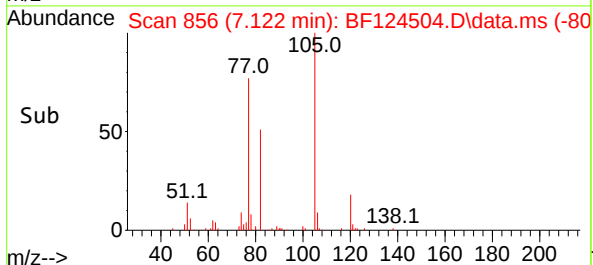
Tgt Ion:136 Resp: 171930
Ion Ratio Lower Upper
136 100
137 41.6 8.7 13.1#
54 16.4 9.8 14.6#
68 18.5 4.1 6.1#

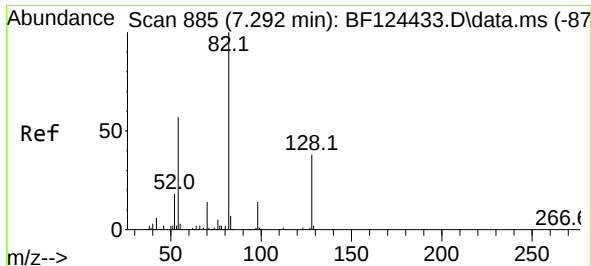


#22
Acetophenone
Concen: 11.26 ng
RT: 7.122 min Scan# 856
Delta R.T. 0.012 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38



Tgt Ion:105 Resp: 53880
Ion Ratio Lower Upper
105 100
71 2.4 4.2 6.4#
51 29.6 33.6 50.4#
120 17.8 16.3 24.5

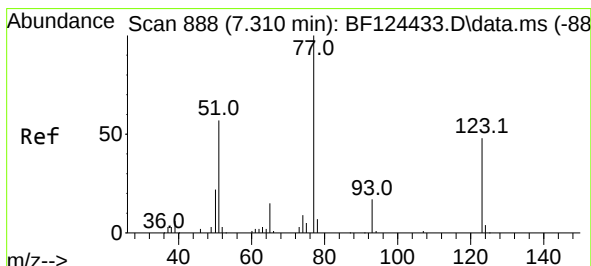
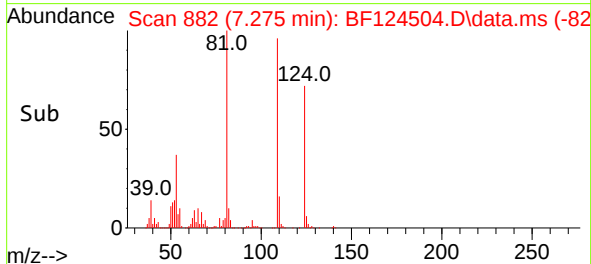
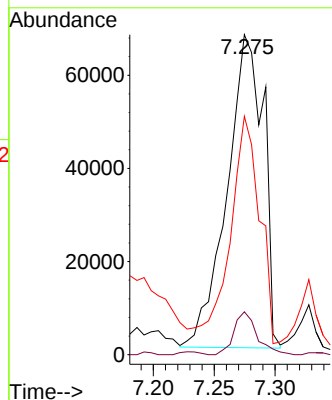
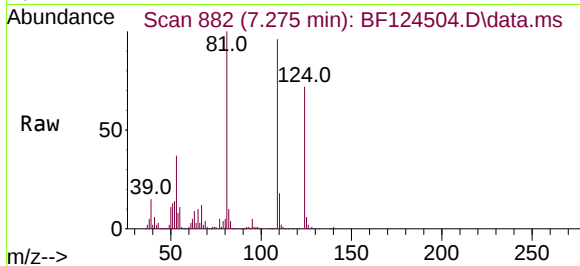




#23
Nitrobenzene-d5
Concen: 33.80 ng
RT: 7.275 min Scan# 882
Delta R.T. 0.012 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

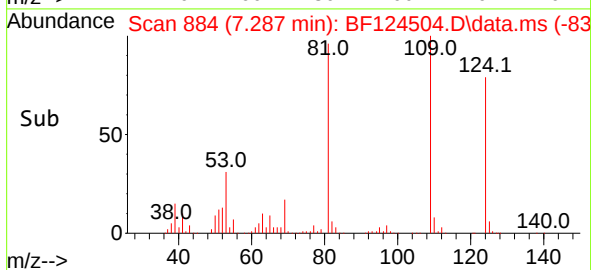
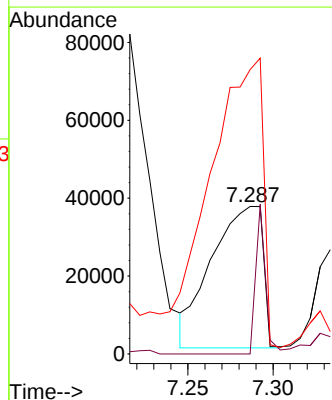
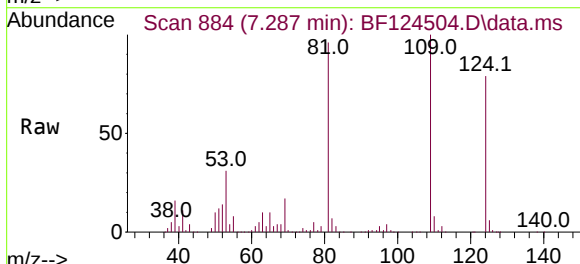
Instrument :
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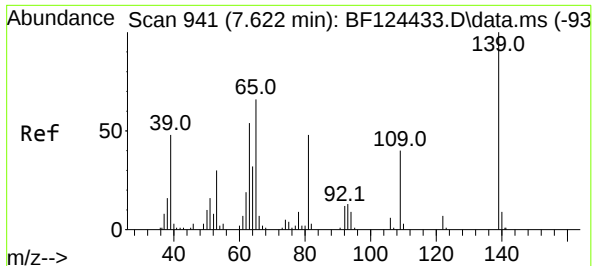
Tgt Ion: 82 Resp: 140175
Ion Ratio Lower Upper
82 100
128 13.4 29.4 44.2#
54 74.5 54.1 81.1



#24
Nitrobenzene
Concen: 18.33 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Tgt Ion: 77 Resp: 75915
Ion Ratio Lower Upper
77 100
123 0.0 34.5 51.7#
65 192.8 12.2 18.2#

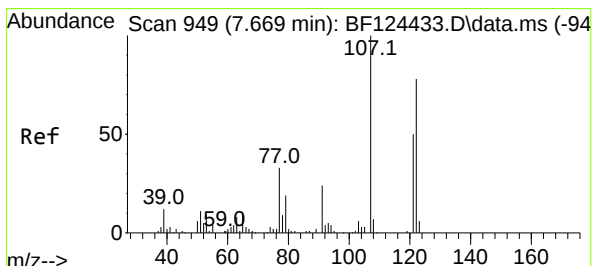
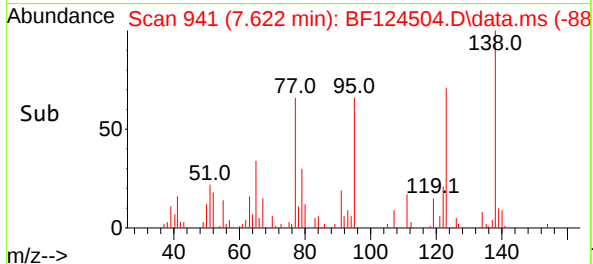
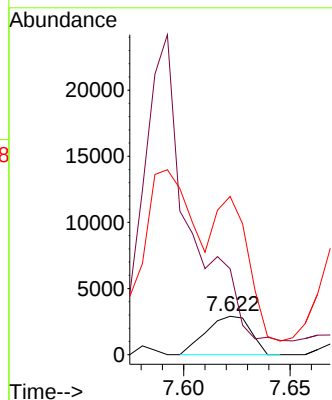
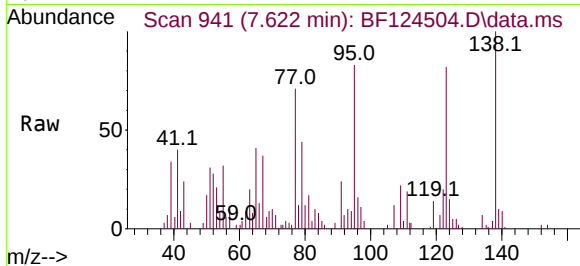




#26
2-Nitrophenol
Concen: 2.10 ng
RT: 7.622 min Scan# 941
Delta R.T. 0.024 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

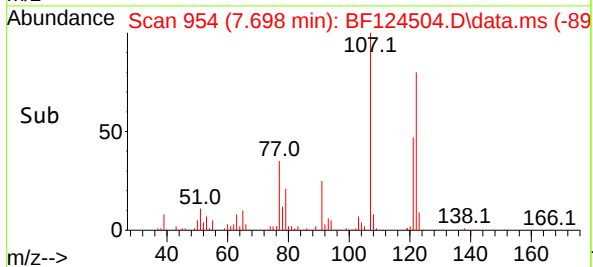
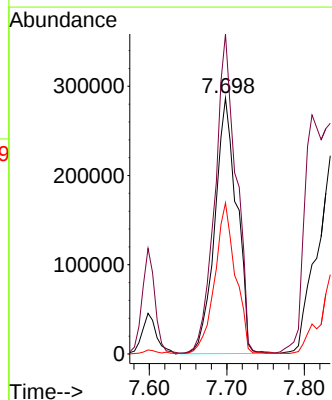
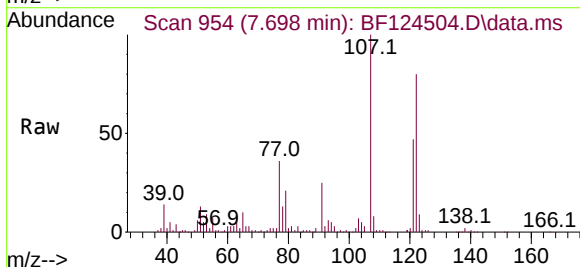
Instrument :
BNA_F
ClientSampleId :
FS-02

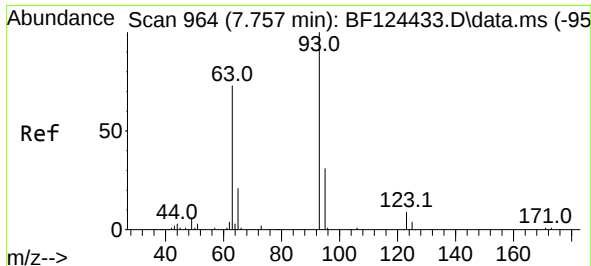
Tgt Ion:139 Resp: 4240
Ion Ratio Lower Upper
139 100
109 223.9 28.6 43.0#
65 412.6 56.8 85.2#



#27
2,4-Dimethylphenol
Concen: 210.42 ng
RT: 7.698 min Scan# 954
Delta R.T. 0.053 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Tgt Ion:122 Resp: 565150
Ion Ratio Lower Upper
122 100
107 125.0 106.3 159.5
121 59.0 45.4 68.0

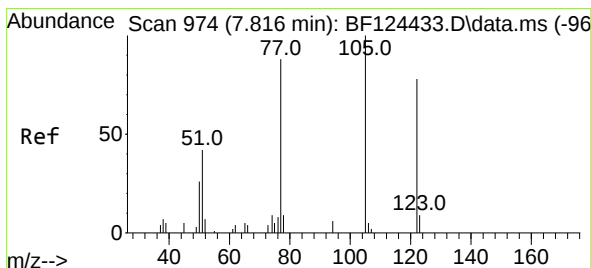
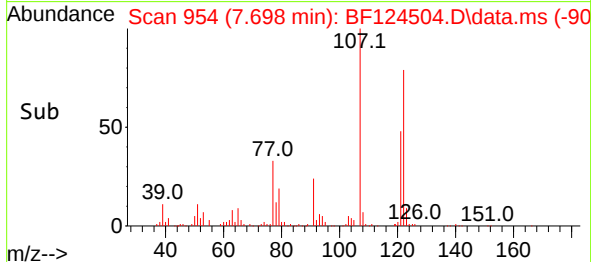
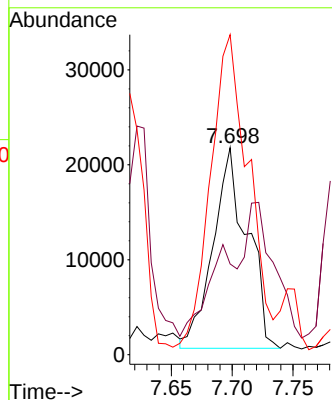
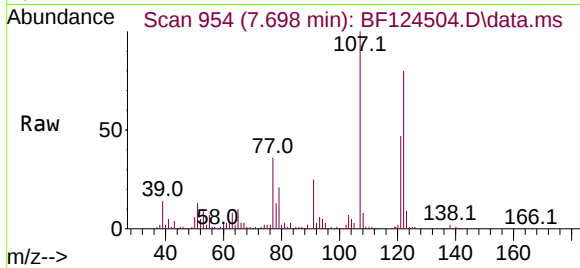




#28
bis(2-Chloroethoxy)methane
Concen: 11.44 ng
RT: 7.698 min Scan# 954
Delta R.T. -0.035 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

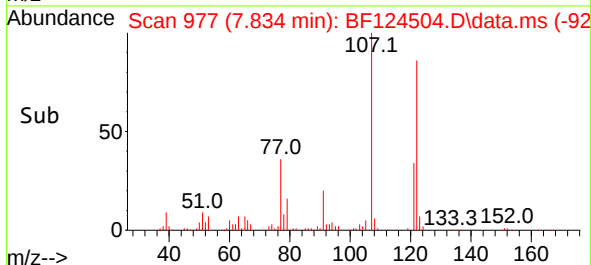
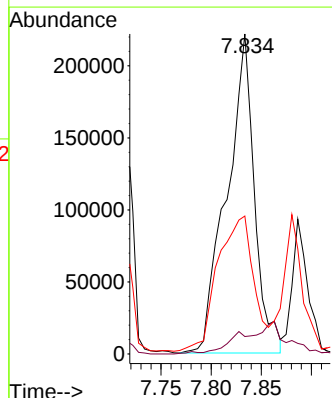
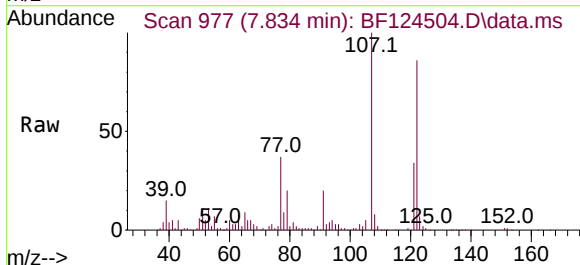
Instrument :
BNA_F
ClientSampled :
FS-02

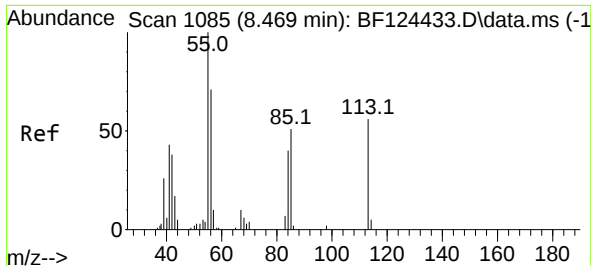
Tgt Ion: 93 Resp: 41329
Ion Ratio Lower Upper
93 100
95 43.8 26.5 39.7#
123 154.5 8.4 12.6#



#32
Benzoic acid
Concen: 237.92 ng
RT: 7.834 min Scan# 977
Delta R.T. 0.035 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Tgt Ion:122 Resp: 425543
Ion Ratio Lower Upper
122 100
105 5.5 107.8 147.8#
77 43.1 81.6 121.6#

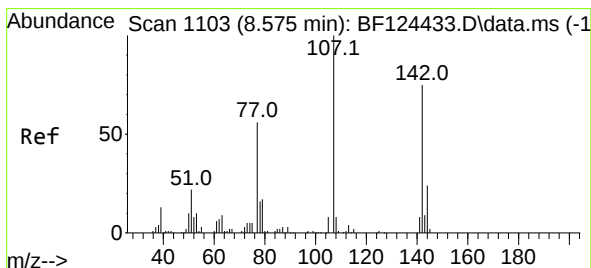
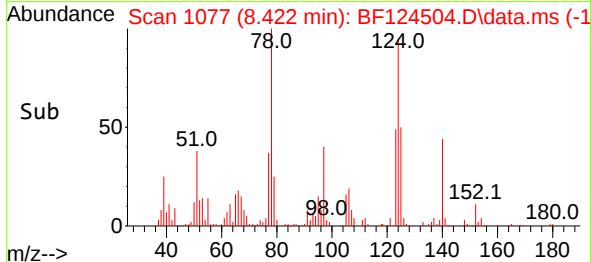
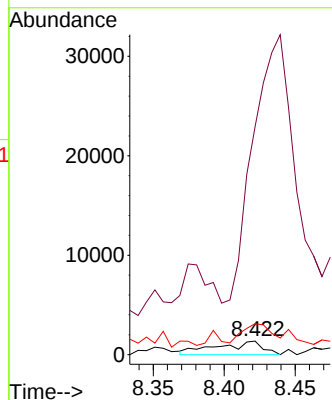
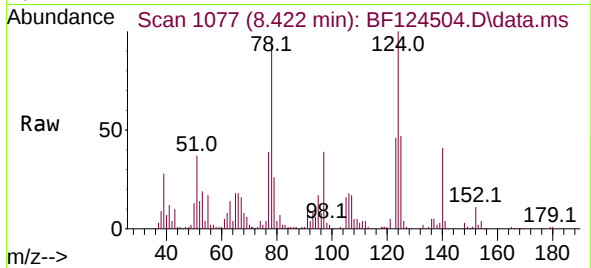




#35
 Caprolactam
 Concen: 3.68 ng
 RT: 8.422 min Scan# 1077
 Delta R.T. -0.012 min
 Lab File: BF124504.D
 Acq: 30 Jun 2021 21:38

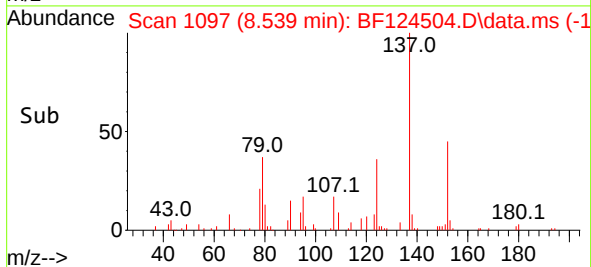
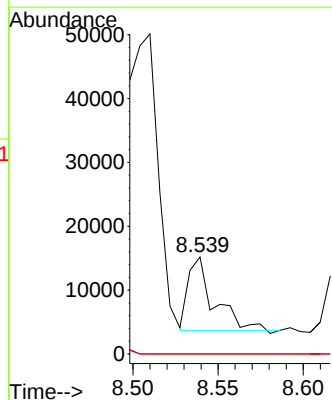
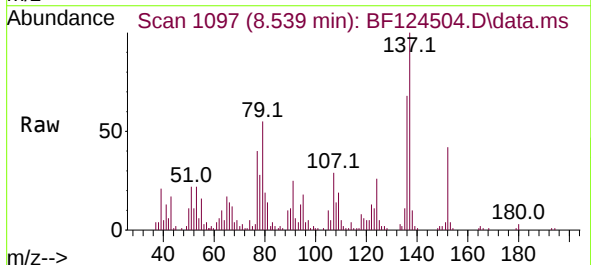
Instrument :
 BNA_F
 ClientSampled :
 FS-02

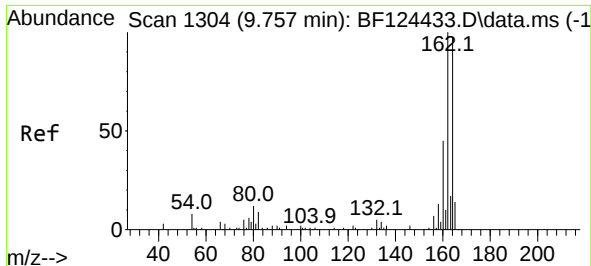
Tgt Ion:113 Resp: 3077
 Ion Ratio Lower Upper
 113 100
 55 1676.0 254.9 294.9#
 56 227.9 179.4 219.4#



#36
 4-Chloro-3-methylphenol
 Concen: 3.70 ng
 RT: 8.539 min Scan# 1097
 Delta R.T. -0.012 min
 Lab File: BF124504.D
 Acq: 30 Jun 2021 21:38

Tgt Ion:107 Resp: 11909
 Ion Ratio Lower Upper
 107 100
 144 0.0 16.3 24.5#
 142 0.0 50.1 75.1#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.739 min Scan# 1301

Delta R.T. 0.012 min

Lab File: BF124504.D

Acq: 30 Jun 2021 21:38

Tgt Ion:164 Resp: 86421

Ion Ratio Lower Upper

164 100

162 103.1 80.7 121.1

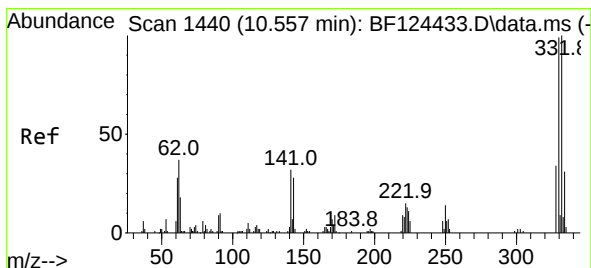
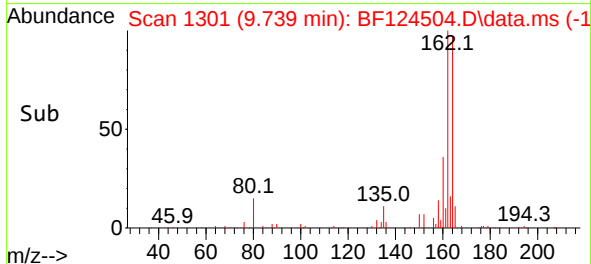
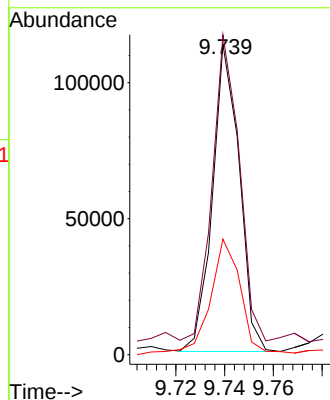
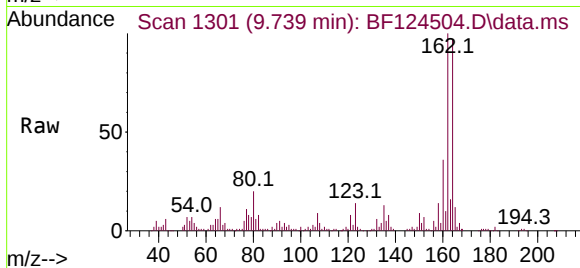
160 37.2 37.3 55.9#

Instrument :

BNA_F

ClientSampled :

FS-02



#42

2,4,6-Tribromophenol

Concen: 14.77 ng

RT: 10.539 min Scan# 1437

Delta R.T. 0.018 min

Lab File: BF124504.D

Acq: 30 Jun 2021 21:38

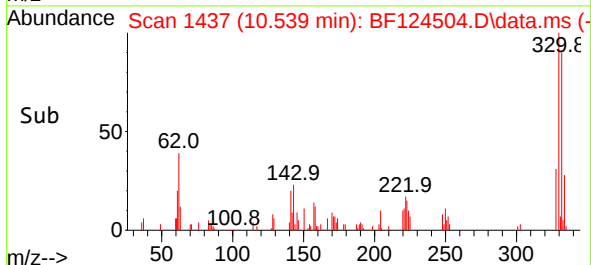
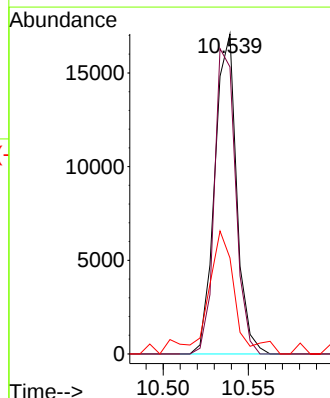
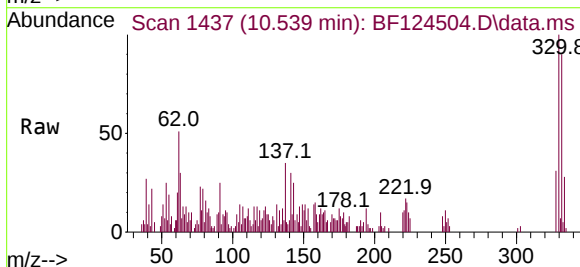
Tgt Ion:330 Resp: 15245

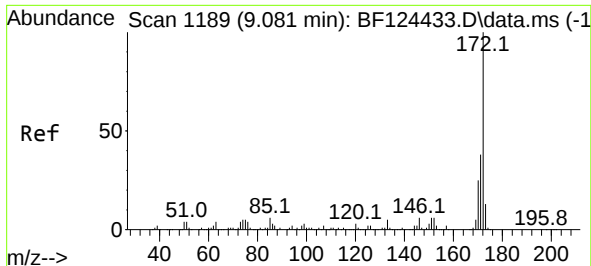
Ion Ratio Lower Upper

330 100

332 92.5 77.1 115.7

141 49.5 27.9 41.9#

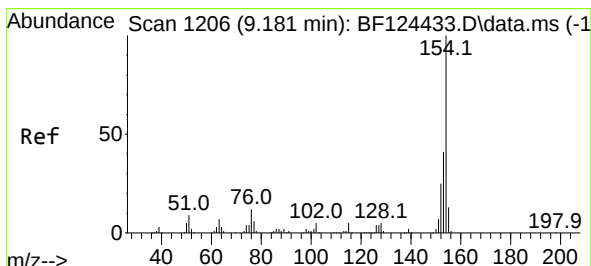
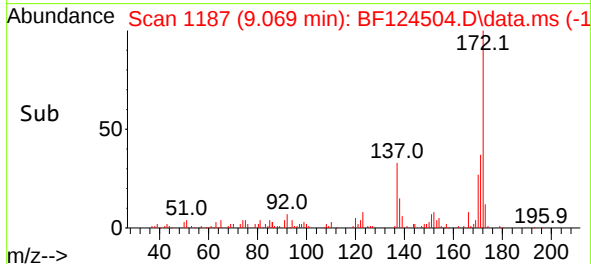
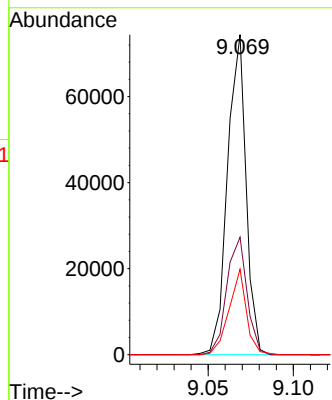
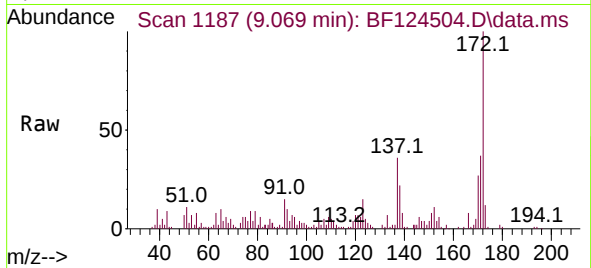




#45
2-Fluorobiphenyl
Concen: 8.01 ng
RT: 9.069 min Scan# 1187
Delta R.T. 0.018 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

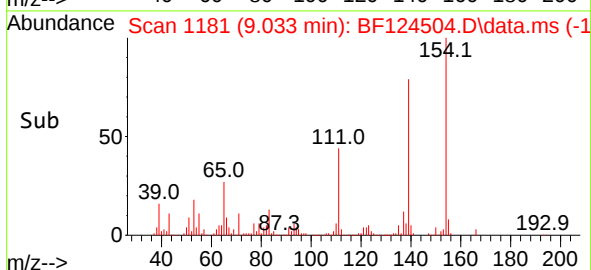
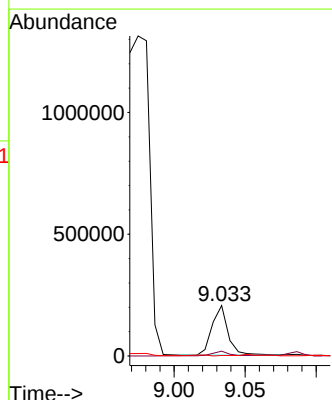
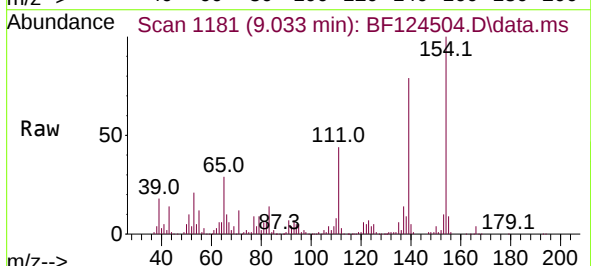
Instrument :
BNA_F
ClientSampled :
FS-02

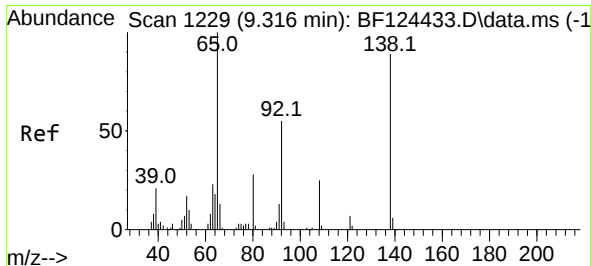
Tgt Ion:172 Resp: 56503
Ion Ratio Lower Upper
172 100
171 36.7 28.1 42.1
170 26.7 19.2 28.8



#46
1,1'-Biphenyl
Concen: 21.92 ng
RT: 9.033 min Scan# 1181
Delta R.T. -0.118 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Tgt Ion:154 Resp: 160990
Ion Ratio Lower Upper
154 100
153 9.6 20.7 60.7#
76 1.1 0.0 31.7

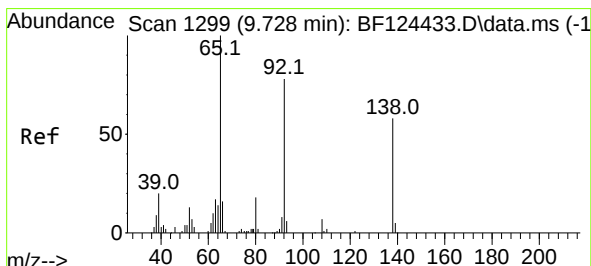
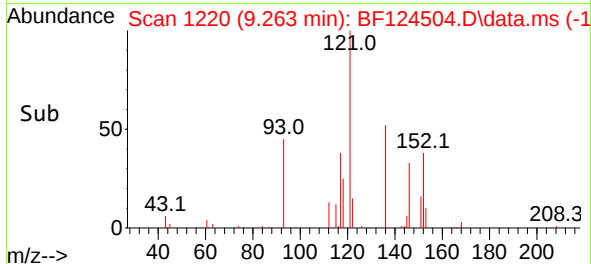
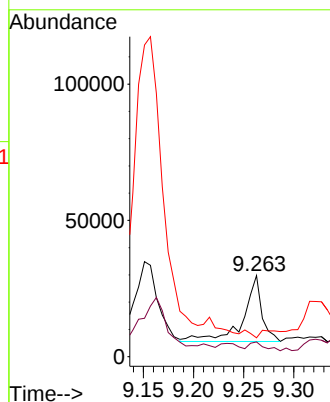
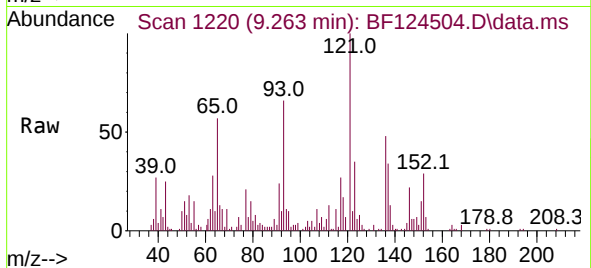




#48
2-Nitroaniline
Concen: 15.92 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.024 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

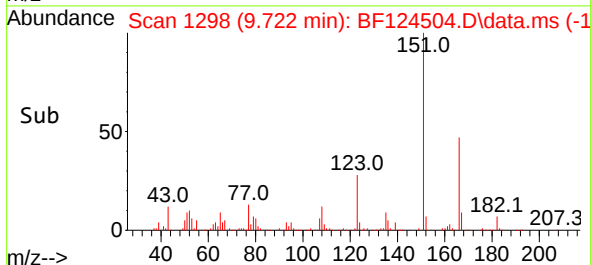
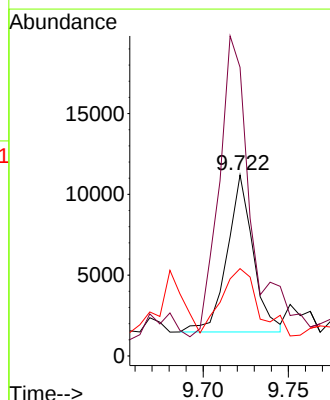
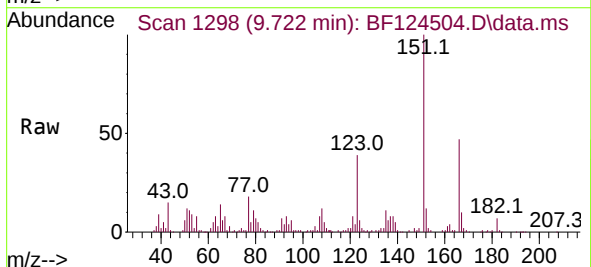
Instrument :
BNA_F
ClientSampled :
FS-02

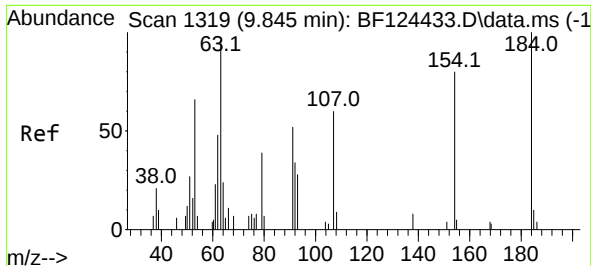
Tgt Ion: 65 Resp: 31468
Ion Ratio Lower Upper
65 100
92 18.0 47.1 70.7#
138 23.2 70.2 105.2#



#53
3-Nitroaniline
Concen: 7.43 ng
RT: 9.722 min Scan# 1298
Delta R.T. 0.024 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Tgt Ion:138 Resp: 10346
Ion Ratio Lower Upper
138 100
108 159.6 10.2 15.4#
92 48.3 103.3 154.9#

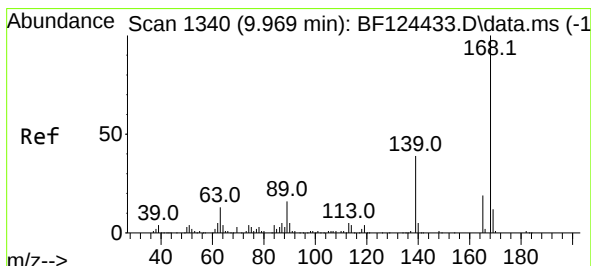
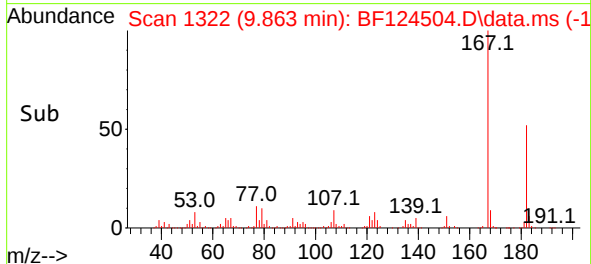
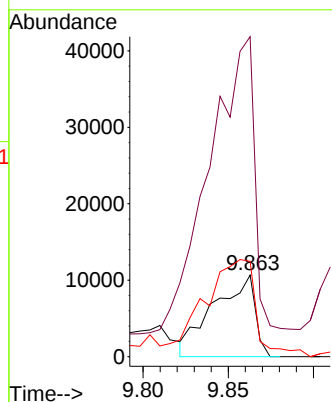
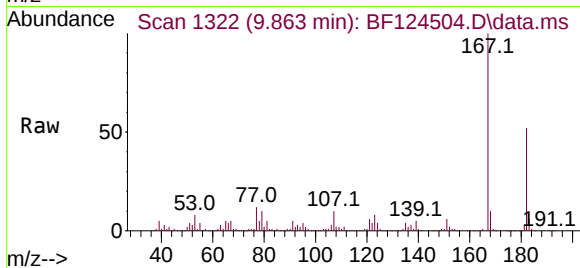




#54
2,4-Dinitrophenol
Concen: 37.74 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.035 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

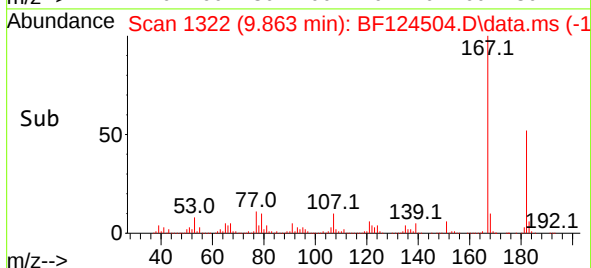
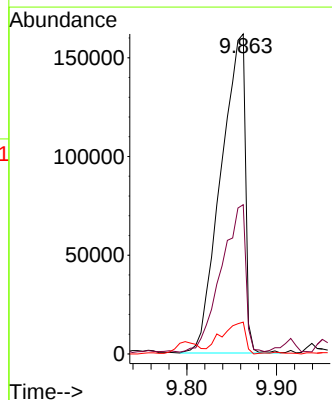
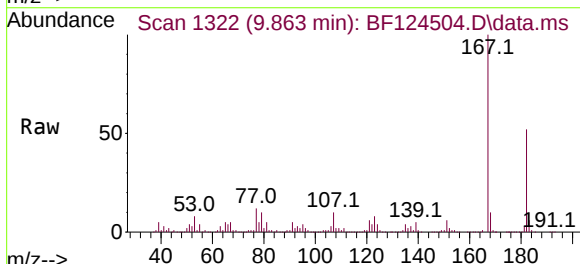
Instrument :
BNA_F
ClientSampled :
FS-02

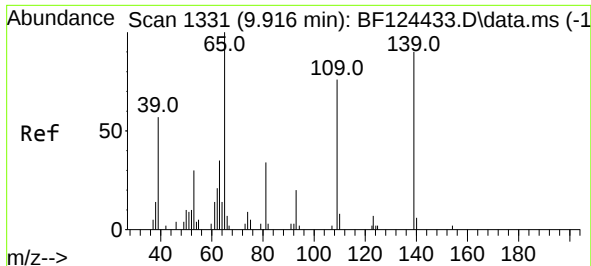
Tgt Ion:184 Resp: 17980
Ion Ratio Lower Upper
184 100
63 391.9 73.5 110.3#
154 116.9 52.5 78.7#



#55
Dibenzofuran
Concen: 34.71 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.071 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Tgt Ion:168 Resp: 305040
Ion Ratio Lower Upper
168 100
139 46.7 33.2 49.8
169 9.9 10.8 16.2#

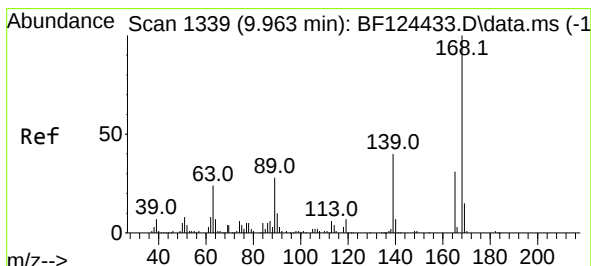
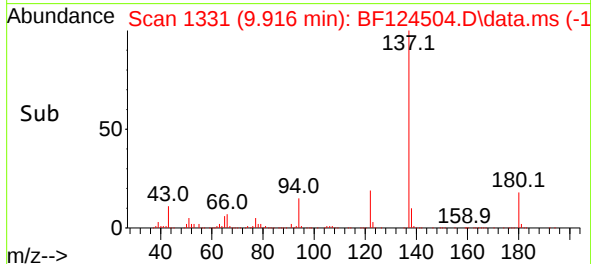
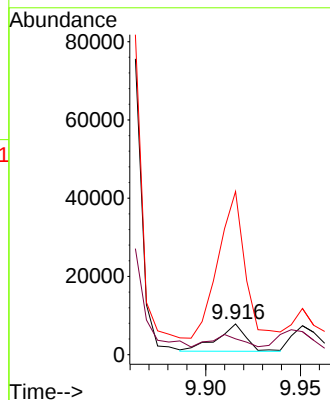
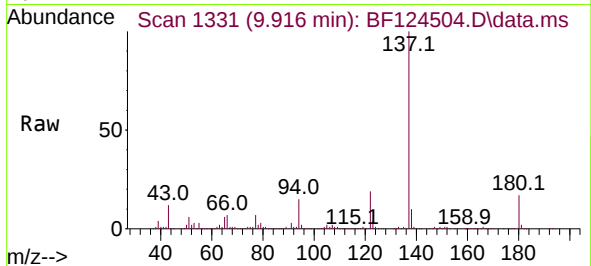




#56
4-Nitrophenol
Concen: 10.16 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.029 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

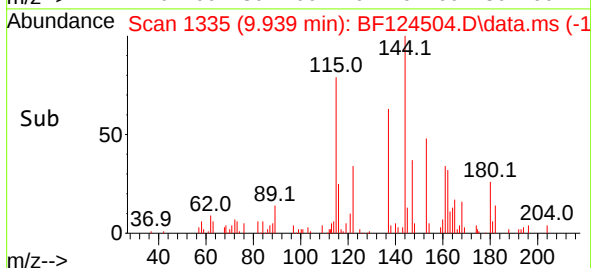
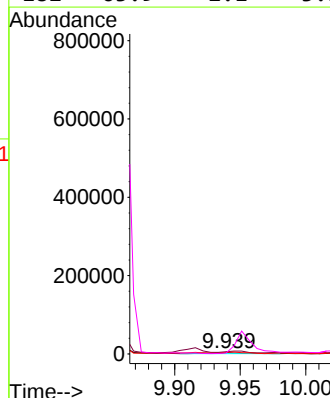
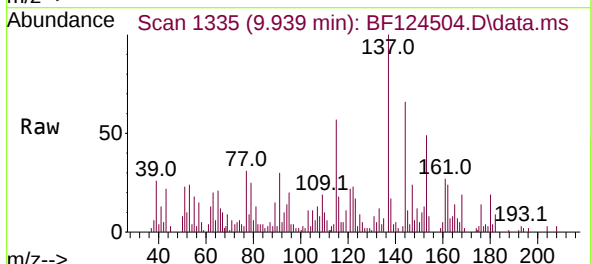
Instrument :
BNA_F
ClientSampled :
FS-02

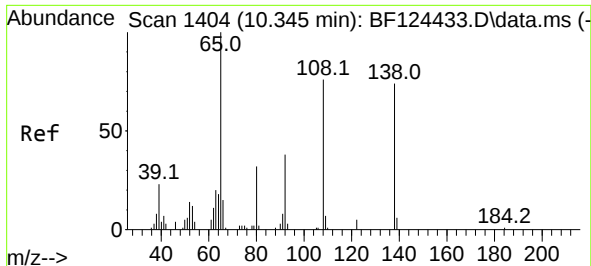
Tgt Ion:139 Resp: 7428
Ion Ratio Lower Upper
139 100
109 51.4 63.2 103.2#
65 531.3 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 2.20 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Tgt Ion:165 Resp: 4585
Ion Ratio Lower Upper
165 100
63 145.0 43.5 65.3#
89 108.7 67.7 101.5#
182 63.9 2.1 3.1#

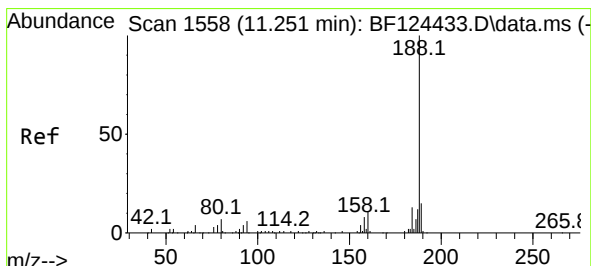
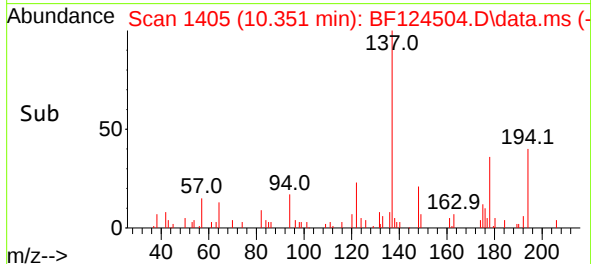
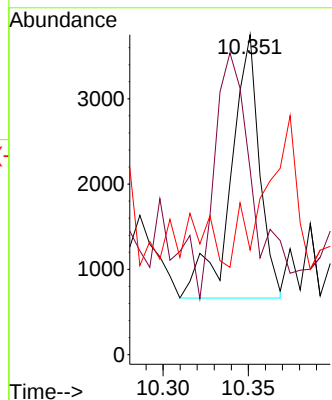
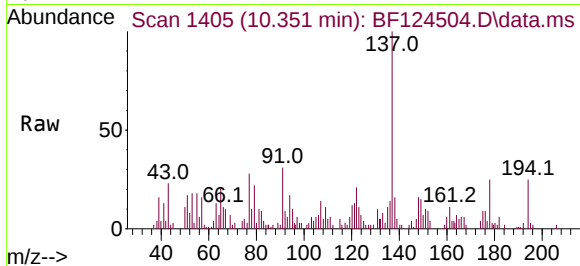




#62
4-Nitroaniline
Concen: 2.69 ng
RT: 10.351 min Scan# 1405
Delta R.T. 0.035 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

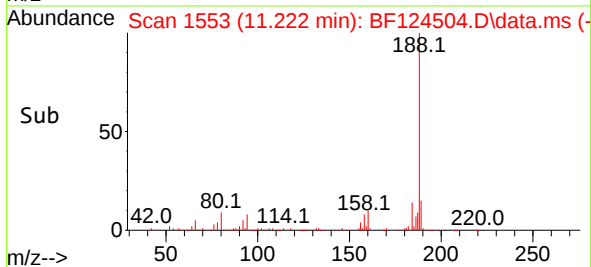
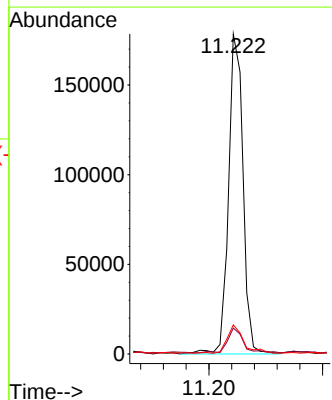
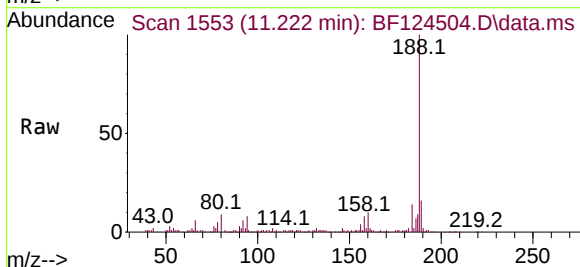
Instrument :
BNA_F
ClientSampled :
FS-02

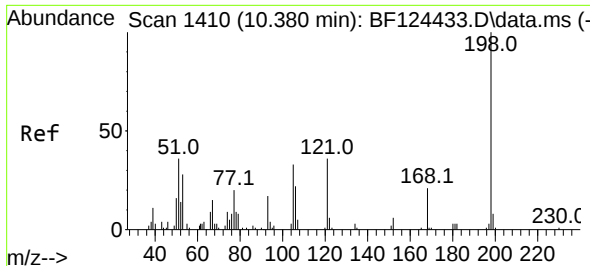
Tgt Ion:138 Resp: 3611
Ion Ratio Lower Upper
138 100
92 57.8 35.8 75.8
108 32.7 63.6 103.6#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.222 min Scan# 1553
Delta R.T. 0.006 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Tgt Ion:188 Resp: 158078
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 9.1 8.2 12.2

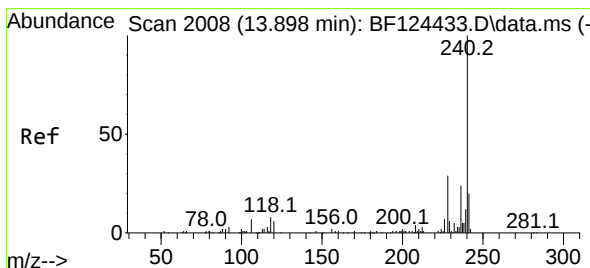
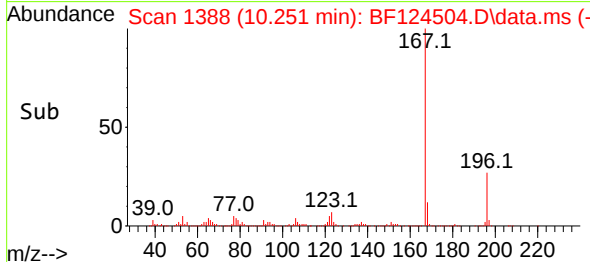
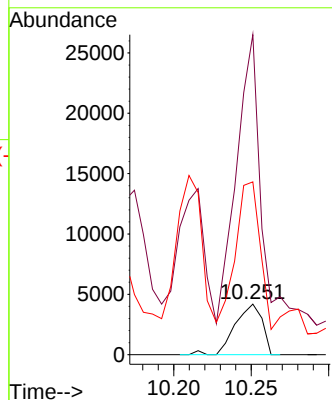
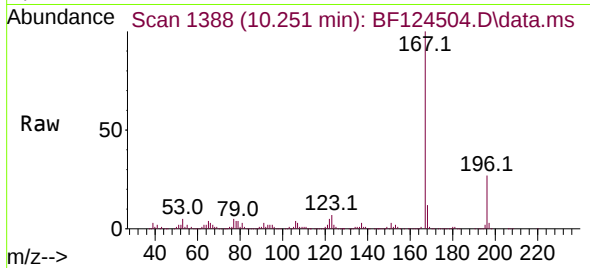




#65
4,6-Dinitro-2-methylphenol
Concen: 4.49 ng
RT: 10.251 min Scan# 1388
Delta R.T. -0.100 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

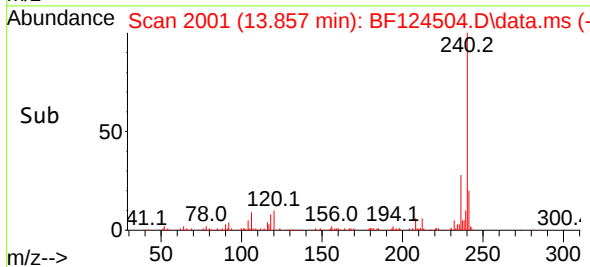
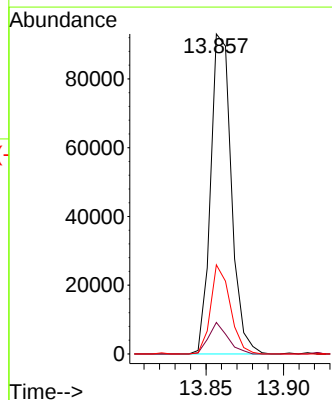
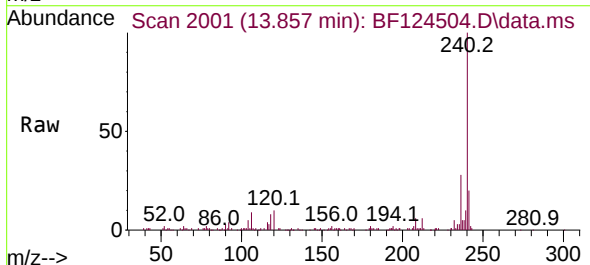
Instrument :
BNA_F
ClientSampled :
FS-02

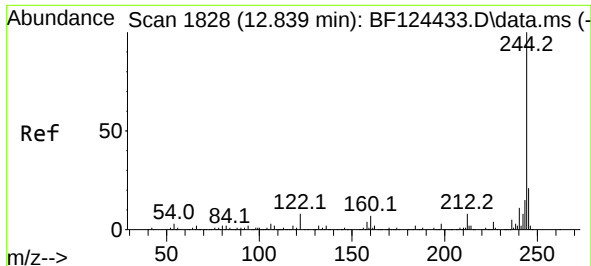
Tgt Ion:198 Resp: 5092
Ion Ratio Lower Upper
198 100
51 633.0 64.8 104.8#
105 341.9 42.6 82.6#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.857 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Tgt Ion:240 Resp: 86514
Ion Ratio Lower Upper
240 100
120 9.9 7.2 10.8
236 27.8 19.0 28.4

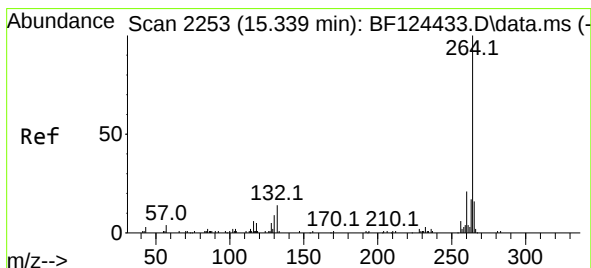
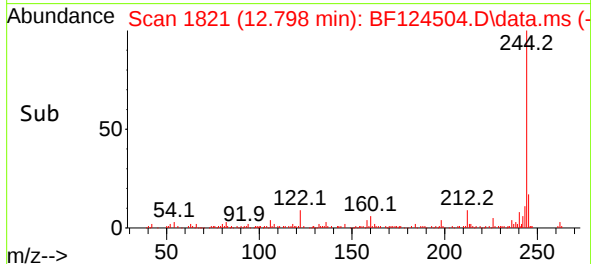
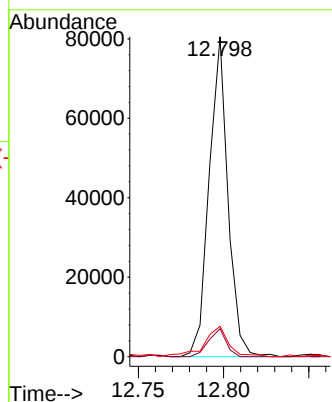
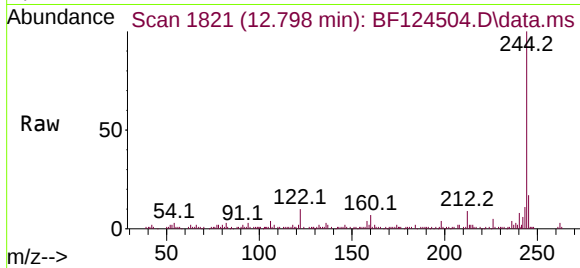




#79
Terphenyl-d14
Concen: 10.71 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Instrument :
BNA_F
ClientSampled :
FS-02

Tgt Ion:244 Resp: 61854
Ion Ratio Lower Upper
244 100
212 8.7 5.7 8.5#
122 9.5 9.7 14.5#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.286 min Scan# 2244
Delta R.T. 0.000 min
Lab File: BF124504.D
Acq: 30 Jun 2021 21:38

Tgt Ion:264 Resp: 93363
Ion Ratio Lower Upper
264 100
260 25.8 18.7 28.1
265 21.8 17.8 26.8

