

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134223.D
 Acq On : 11 Jul 2023 20:48
 Operator : CG\JU
 Sample : 03410-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 01:56:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

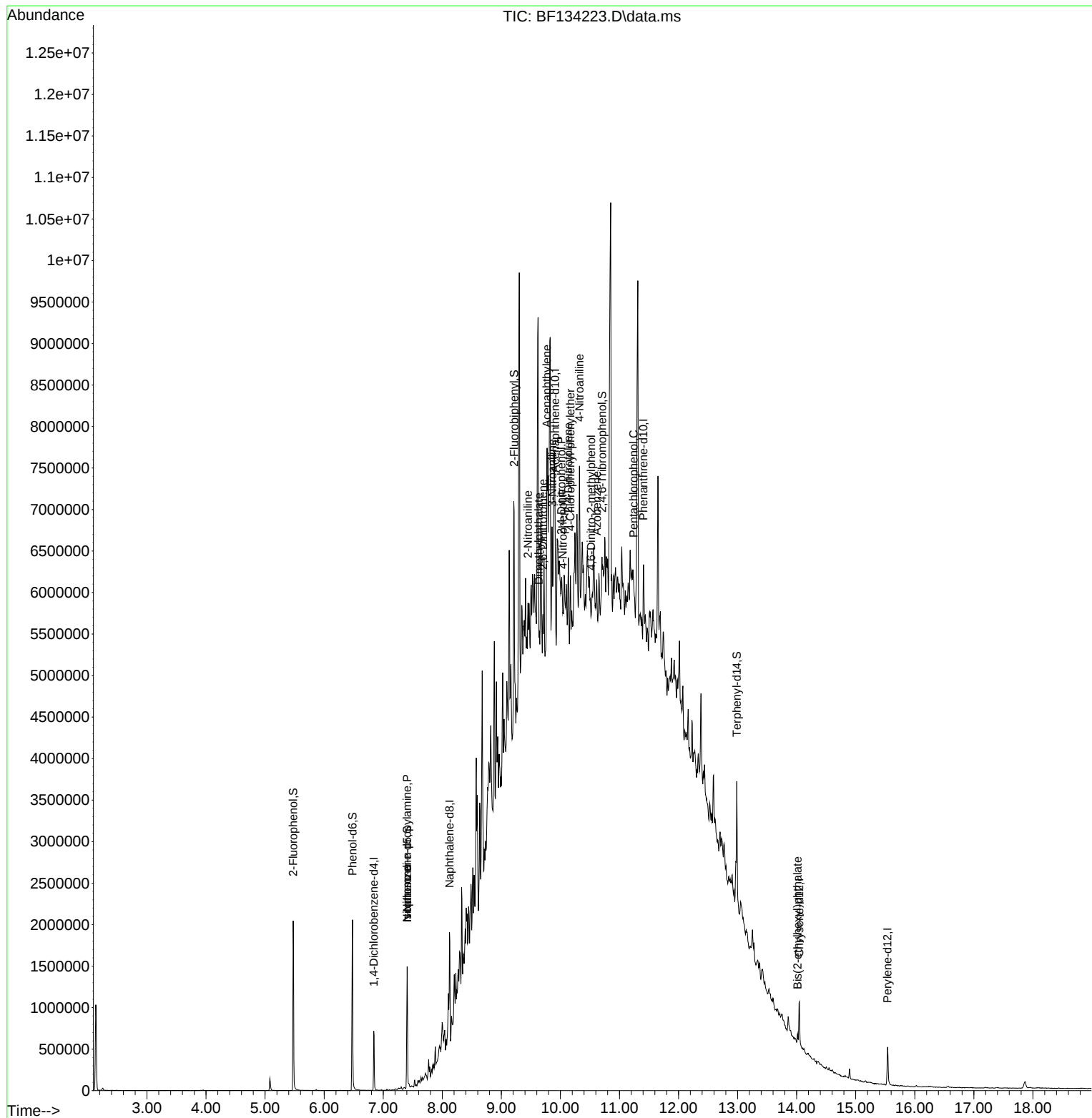
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	109216	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	371668	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	131241	20.000	ng	0.02
64) Phenanthrene-d10	11.404	188	200192	20.000	ng	# 0.02
76) Chrysene-d12	14.045	240	187792	20.000	ng	0.00
86) Perylene-d12	15.539	264	217097	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	539125	82.573	ng	0.00
7) Phenol-d6	6.481	99	662361	82.491	ng	0.00
23) Nitrobenzene-d5	7.404	82	435341	63.140	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	151969	92.354	ng	0.02
45) 2-Fluorobiphenyl	9.216	172	533476	59.099	ng	0.01
79) Terphenyl-d14	12.986	244	513708	44.026	ng	0.01
Target Compounds						
9) Benzaldehyde	6.481	77	1093	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propyla...	7.404	70	62252	12.225	ng	# 78
25) Isophorone	7.404	82	434392	34.666	ng	# 64
48) 2-Nitroaniline	9.451	65	8097	2.884	ng	# 78
49) Acenaphthylene	9.769	152	29884	2.271	ng	# 1
50) Dimethylphthalate	9.634	163	26961	2.830	ng	# 36
51) 2,6-Dinitrotoluene	9.704	165	36349	17.715	ng	# 27
53) 3-Nitroaniline	9.863	138	39060	15.868	ng	# 18
54) 2,4-Dinitrophenol	10.016	184	312	4.114	ng	# 1
56) 4-Nitrophenol	10.039	139	6521	3.787	ng	# 1
57) 2,4-Dinitrotoluene	10.134	165	24726	9.125	ng	# 40
61) 4-Chlorophenyl-phenyle...	10.169	204	26624	5.951	ng	88
62) 4-Nitroaniline	10.322	138	22574	9.099	ng	94
63) Azobenzene	10.616	77	25840	2.752	ng	# 42
65) 4,6-Dinitro-2-methylph...	10.522	198	2724	2.496	ng	# 1
70) Pentachlorophenol	11.239	266	5202	3.851	ng	# 30
84) Bis(2-ethylhexyl)phtha...	14.016	149	33933	4.505	ng	93

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

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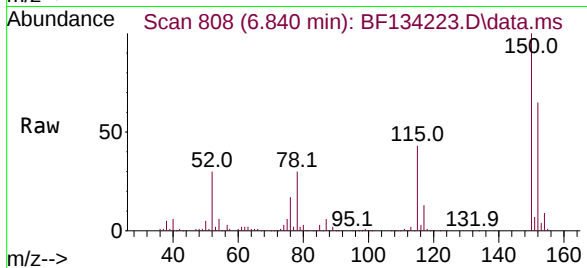
Quant Time: Jul 12 01:56:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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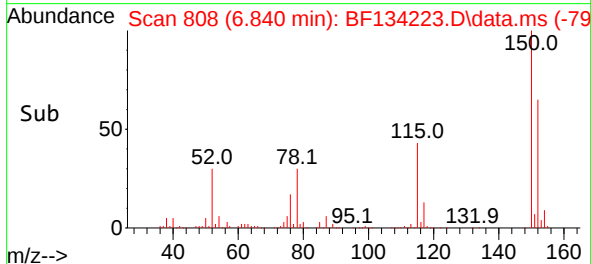
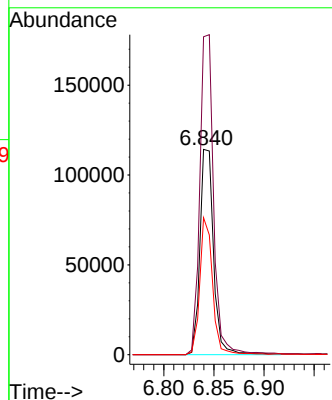


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

Instrument :
BNA_F
ClientSampleId :

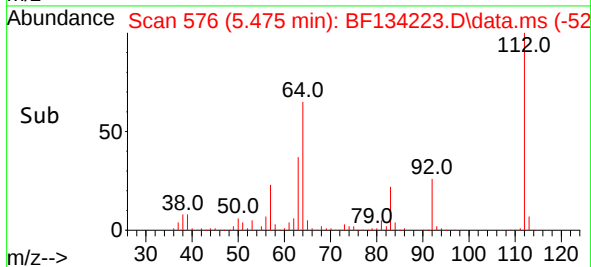
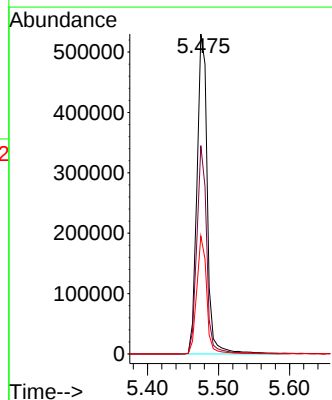
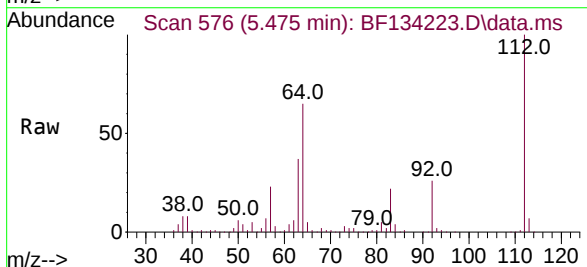


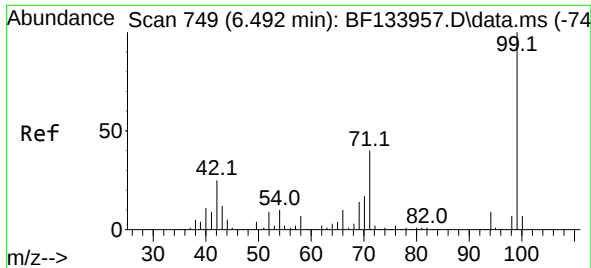
Tgt Ion:152 Resp: 109216
Ion Ratio Lower Upper
152 100
150 154.9 124.5 186.7
115 66.7 50.2 75.2



#5
2-Fluorophenol
Concen: 82.573 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

Tgt Ion:112 Resp: 539125
Ion Ratio Lower Upper
112 100
64 65.1 52.1 78.1
63 36.9 28.6 42.8





#7

Phenol-d6

Concen: 82.491 ng

RT: 6.481 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF134223.D

Acq: 11 Jul 2023 20:48

Instrument :

BNA_F

ClientSampleId :

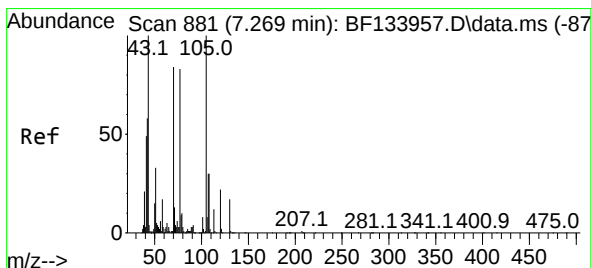
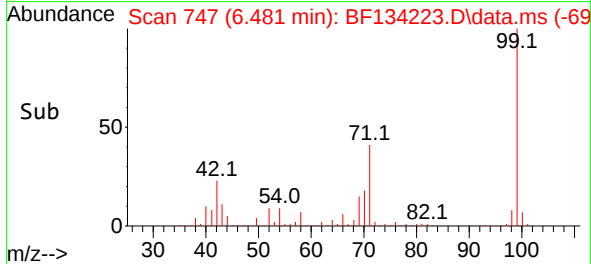
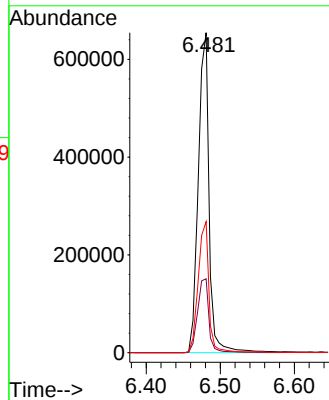
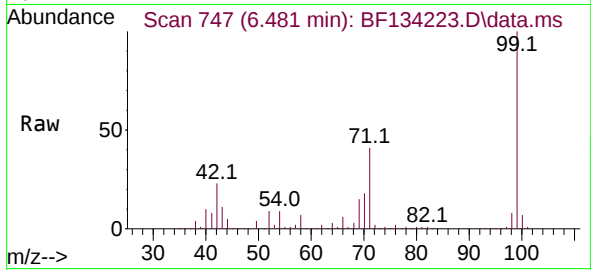
Tgt Ion: 99 Resp: 662361

Ion Ratio Lower Upper

99 100

42 23.1 19.8 29.6

71 40.9 31.9 47.9



#19

n-Nitroso-di-n-propylamine

Concen: 12.225 ng

RT: 7.404 min Scan# 904

Delta R.T. 0.147 min

Lab File: BF134223.D

Acq: 11 Jul 2023 20:48

Tgt Ion: 70 Resp: 62252

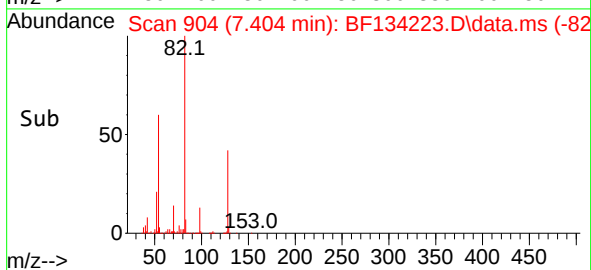
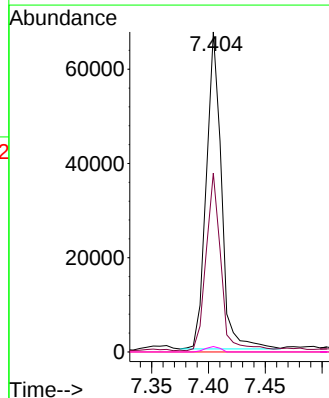
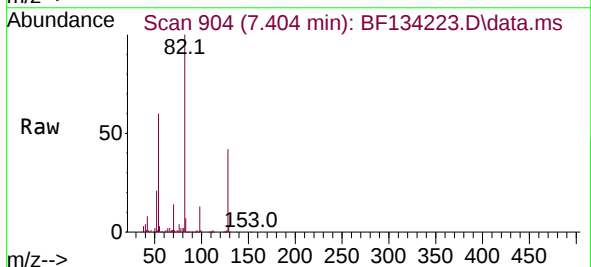
Ion Ratio Lower Upper

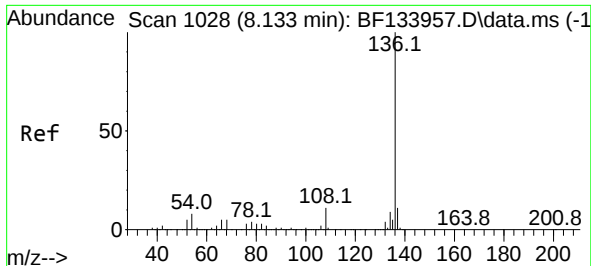
70 100

42 55.9 54.7 82.1

101 0.0 7.7 11.5#

130 1.7 16.4 24.6#

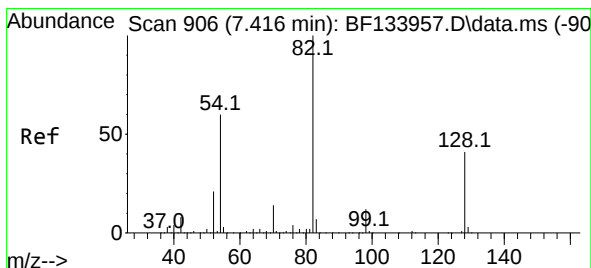
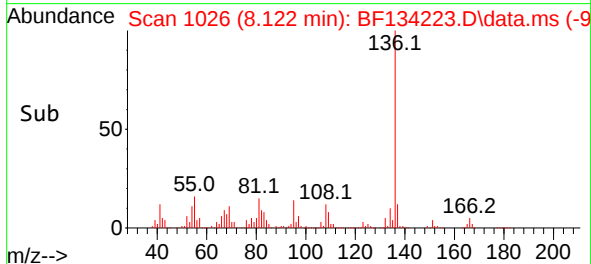
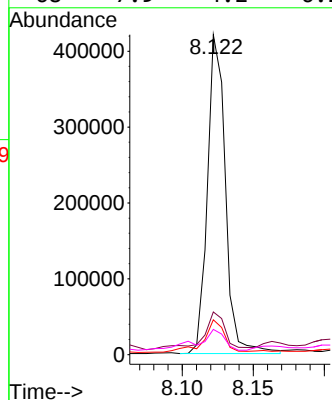
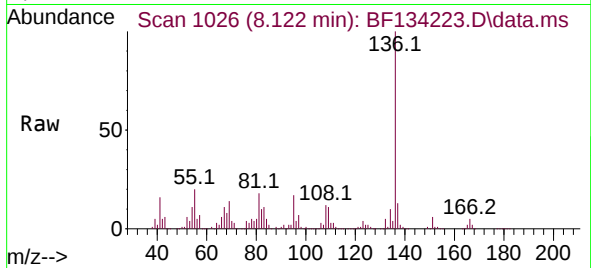




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

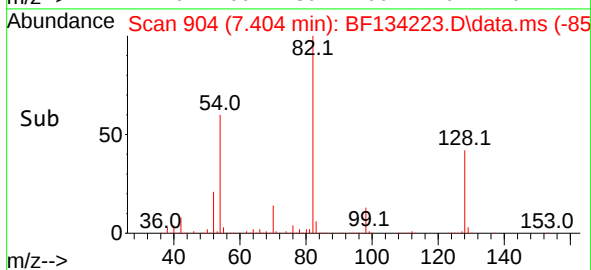
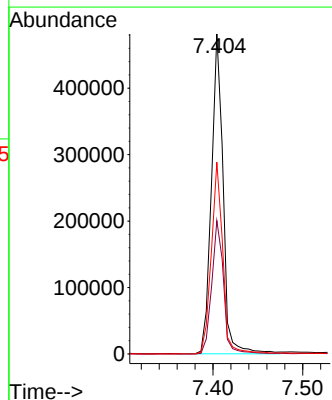
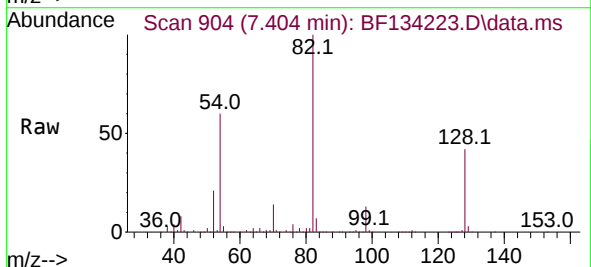
Instrument :
BNA_F
ClientSampleId :

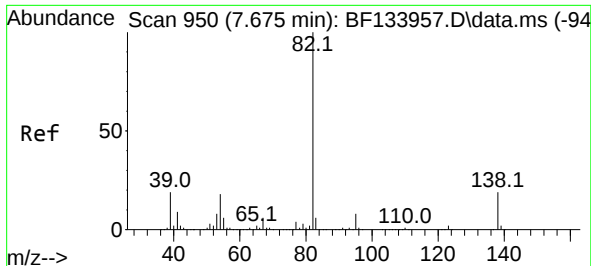
Tgt Ion:136 Resp: 371668
Ion Ratio Lower Upper
136 100
137 13.4 8.6 12.8#
54 10.9 6.5 9.7#
68 7.9 4.2 6.2#



#23
Nitrobenzene-d5
Concen: 63.140 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

Tgt Ion: 82 Resp: 435341
Ion Ratio Lower Upper
82 100
128 41.6 32.5 48.7
54 59.9 48.2 72.2

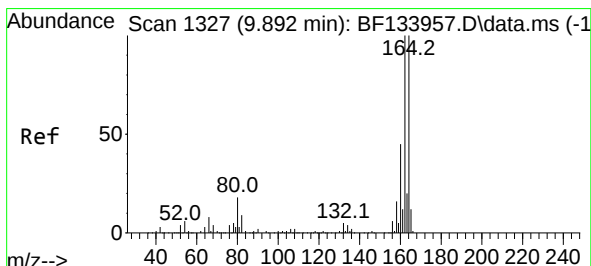
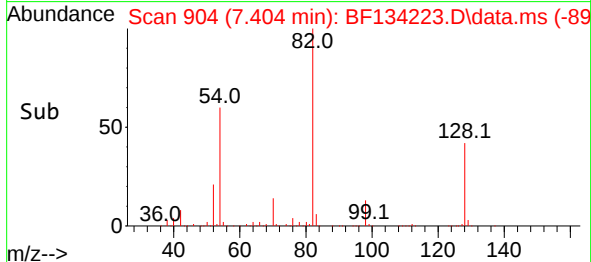
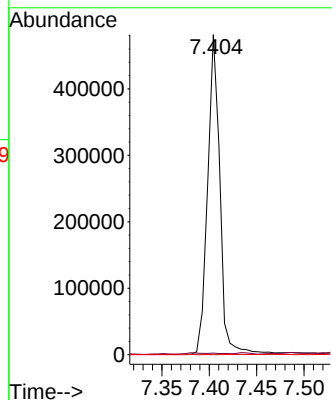
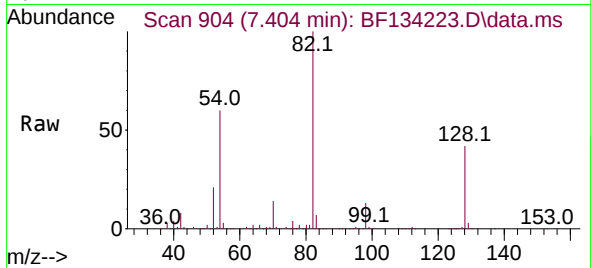




#25
Isophorone
Concen: 34.666 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

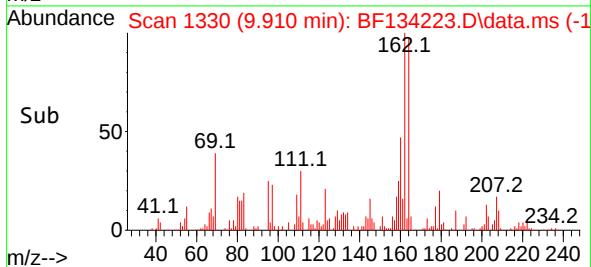
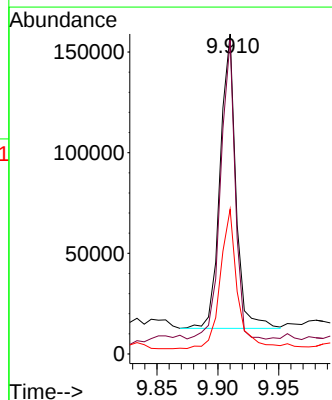
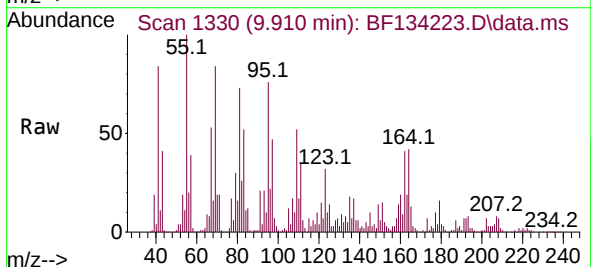
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 434392
Ion Ratio Lower Upper
82 100
95 0.5 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.024 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

Tgt Ion:164 Resp: 131241
Ion Ratio Lower Upper
164 100
162 98.1 80.0 120.0
160 45.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 92.354 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.024 min

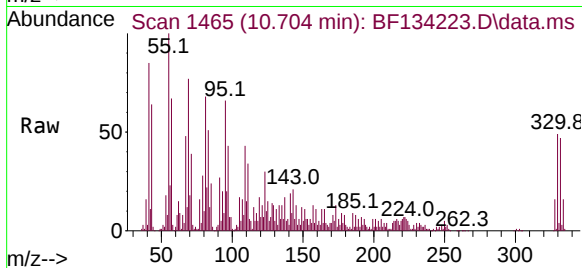
Lab File: BF134223.D

Acq: 11 Jul 2023 20:48

Instrument :

BNA_F

ClientSampleId :



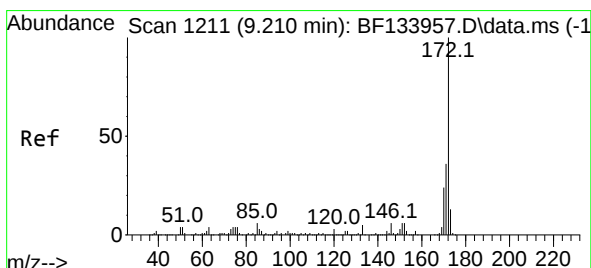
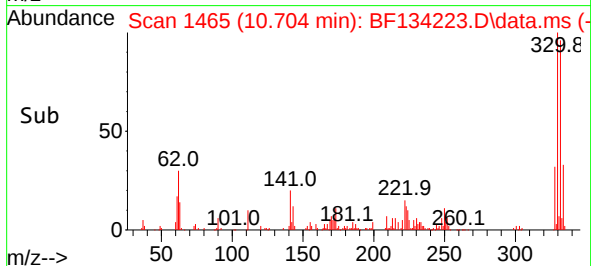
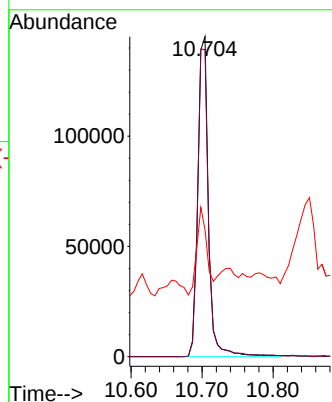
Tgt Ion:330 Resp: 151969

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

141 25.8 26.3 39.5#



#45

2-Fluorobiphenyl

Concen: 59.099 ng

RT: 9.216 min Scan# 1212

Delta R.T. 0.012 min

Lab File: BF134223.D

Acq: 11 Jul 2023 20:48

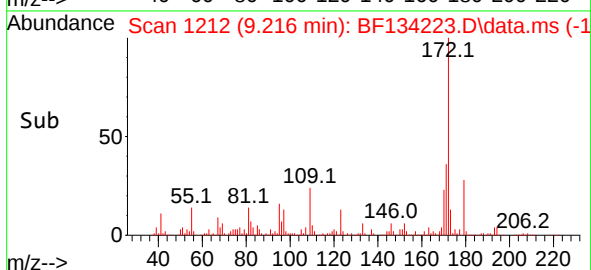
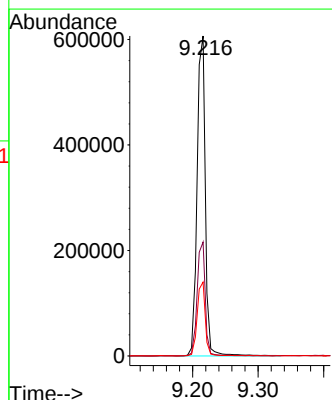
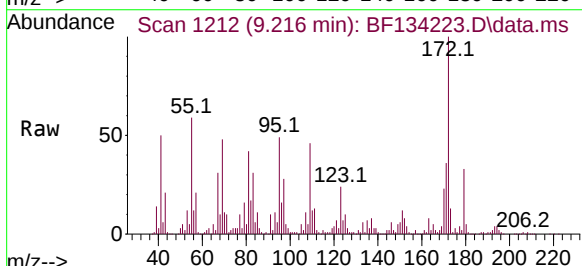
Tgt Ion:172 Resp: 533476

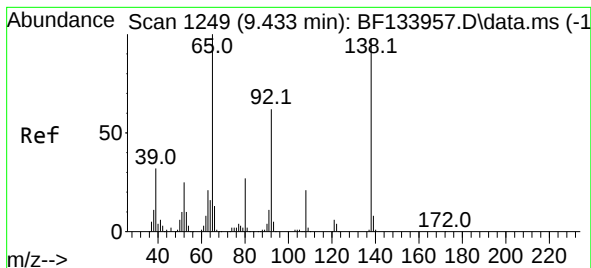
Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 23.1 19.4 29.0





#48

2-Nitroaniline

Concen: 2.884 ng

RT: 9.451 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF134223.D

Acq: 11 Jul 2023 20:48

Instrument :

BNA_F

ClientSampleId :

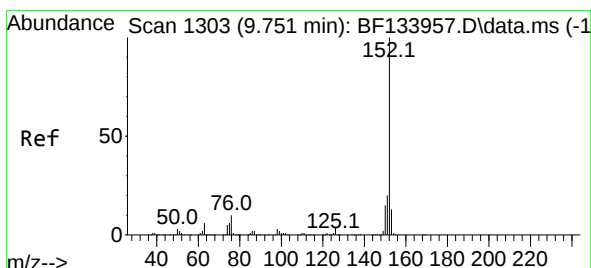
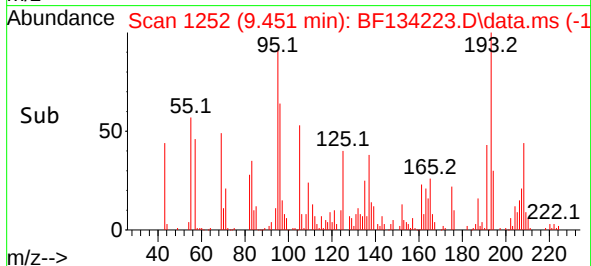
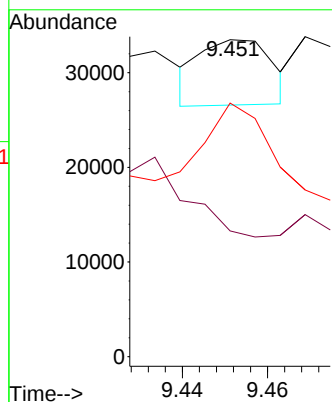
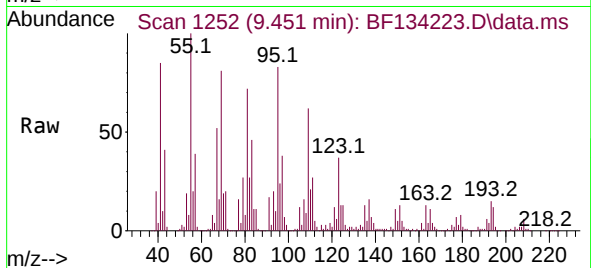
Tgt Ion: 65 Resp: 8097

Ion Ratio Lower Upper

65 100

92 39.7 49.5 74.3#

138 80.0 78.0 117.0



#49

Acenaphthylene

Concen: 2.271 ng

RT: 9.769 min Scan# 1306

Delta R.T. 0.024 min

Lab File: BF134223.D

Acq: 11 Jul 2023 20:48

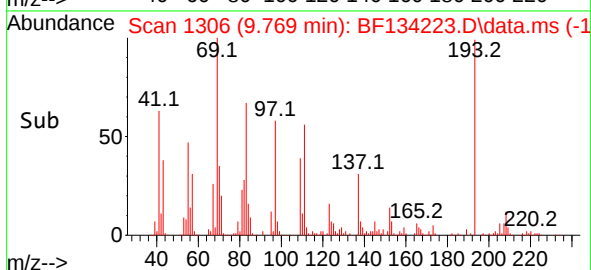
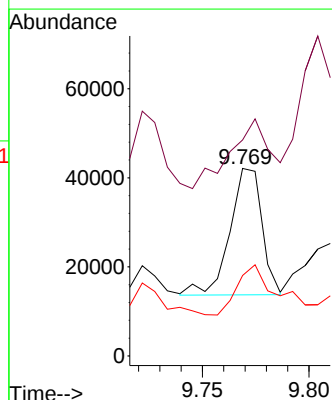
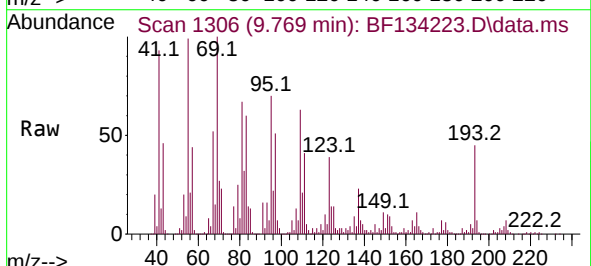
Tgt Ion:152 Resp: 29884

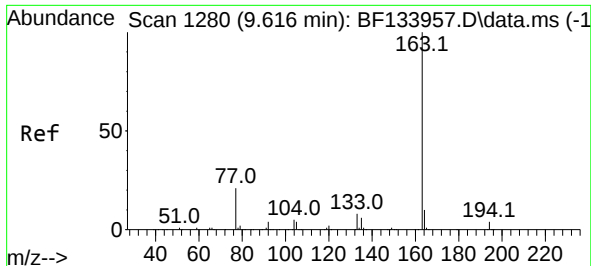
Ion Ratio Lower Upper

152 100

151 115.2 16.2 24.2#

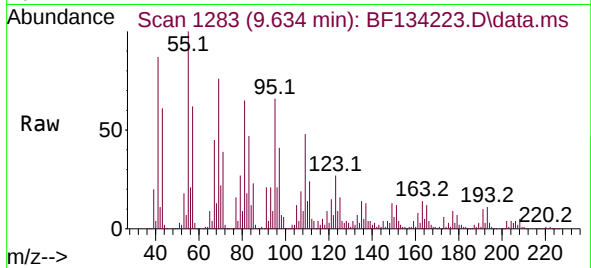
153 42.9 10.8 16.2#



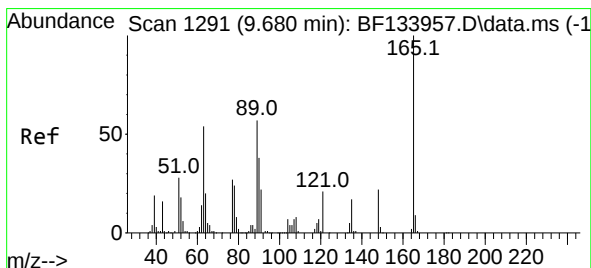
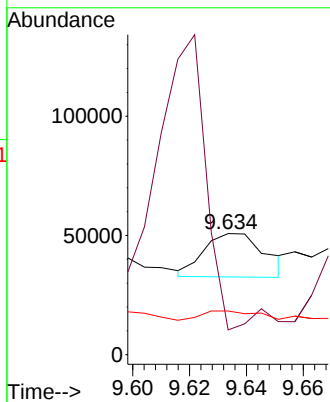
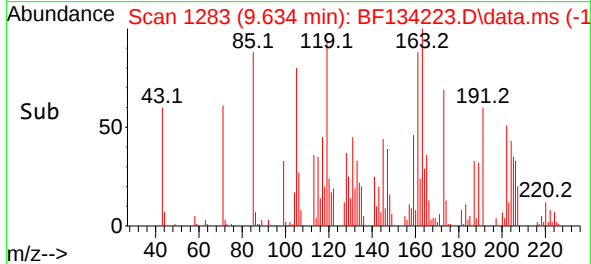


#50
Dimethylphthalate
Concen: 2.830 ng
RT: 9.634 min Scan# 1280
Delta R.T. 0.024 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

Instrument :
BNA_F
ClientSampleId :

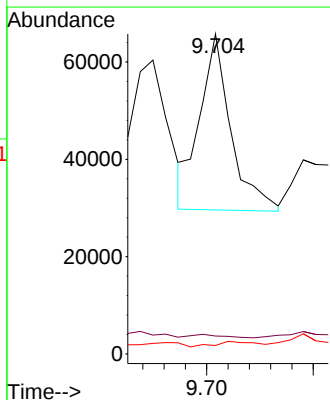
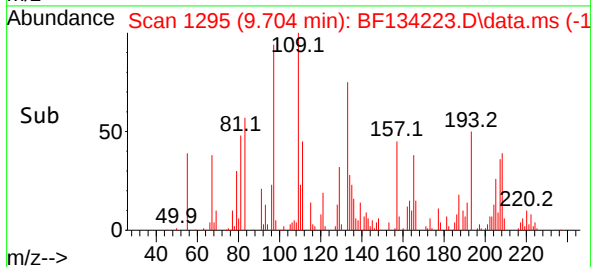
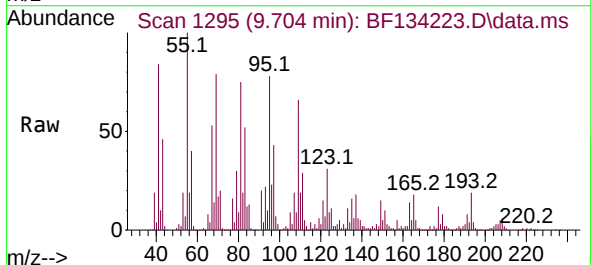


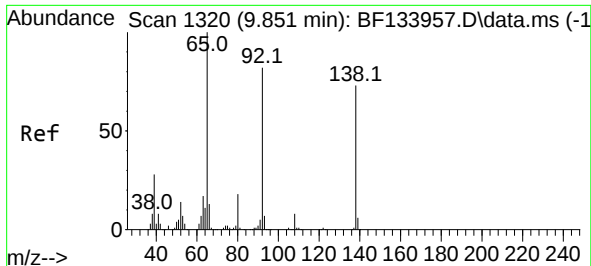
Tgt Ion:163 Resp: 26961
Ion Ratio Lower Upper
163 100
194 20.4 3.0 4.6#
164 36.1 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 17.715 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.030 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

Tgt Ion:165 Resp: 36349
Ion Ratio Lower Upper
165 100
63 5.6 48.5 72.7#
89 2.6 45.5 68.3#





#53

3-Nitroaniline

Concen: 15.868 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF134223.D

Acq: 11 Jul 2023 20:48

Instrument :

BNA_F

ClientSampleId :

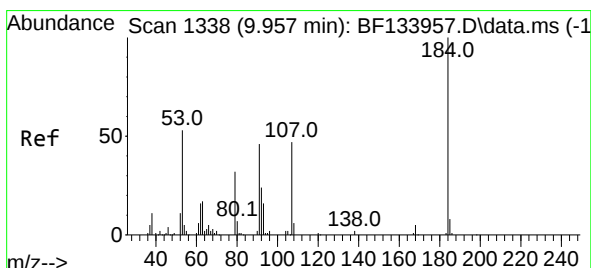
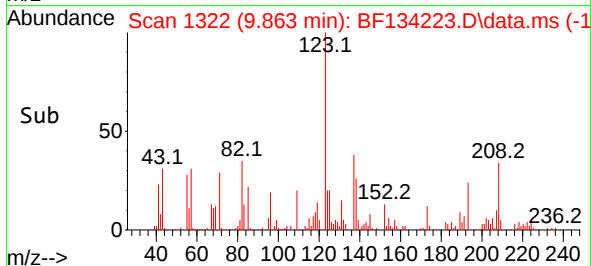
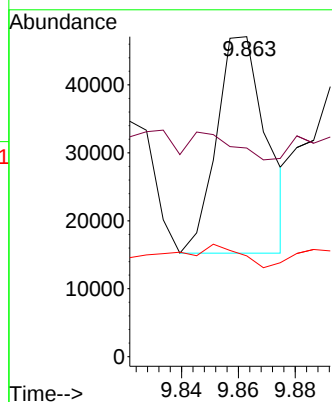
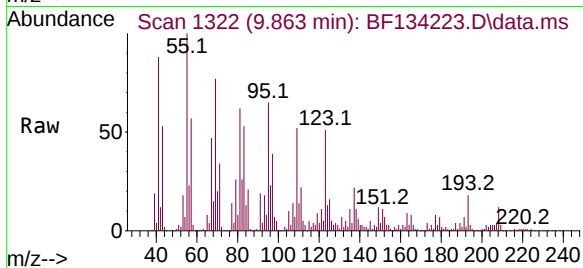
Tgt Ion:138 Resp: 39060

Ion Ratio Lower Upper

138 100

108 65.2 8.4 12.6#

92 31.5 90.1 135.1#



#54

2,4-Dinitrophenol

Concen: 4.114 ng

RT: 10.016 min Scan# 1348

Delta R.T. 0.059 min

Lab File: BF134223.D

Acq: 11 Jul 2023 20:48

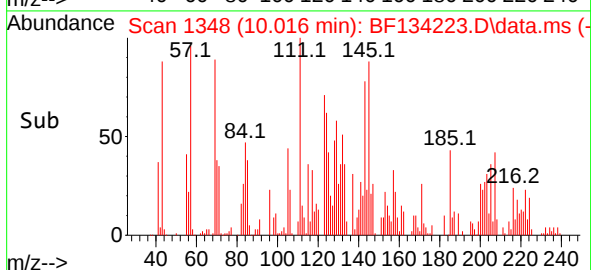
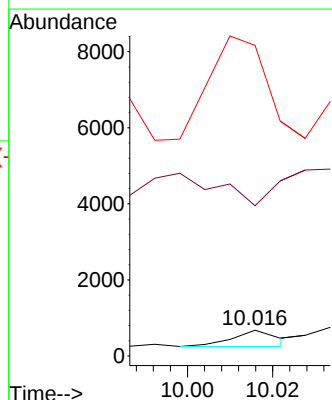
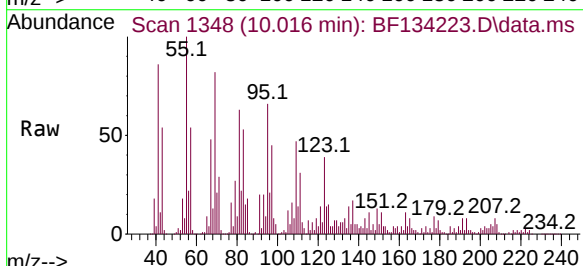
Tgt Ion:184 Resp: 312

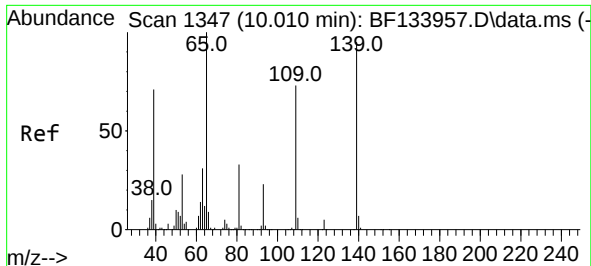
Ion Ratio Lower Upper

184 100

63 581.9 56.9 85.3#

154 1202.8 55.4 83.0#

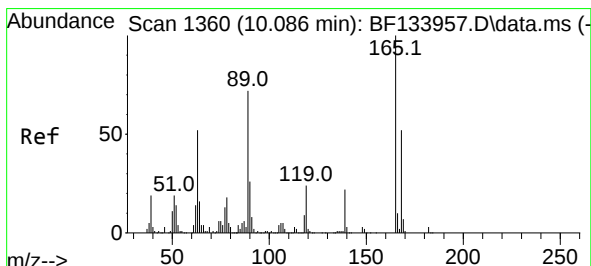
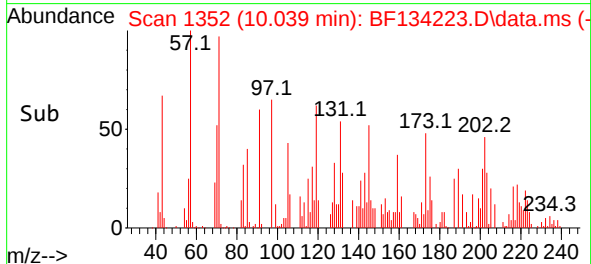
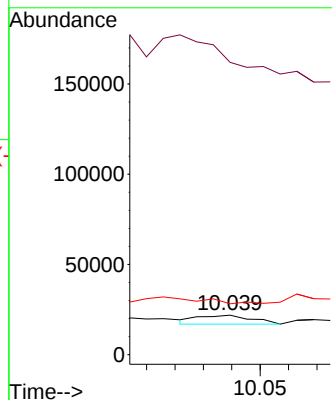
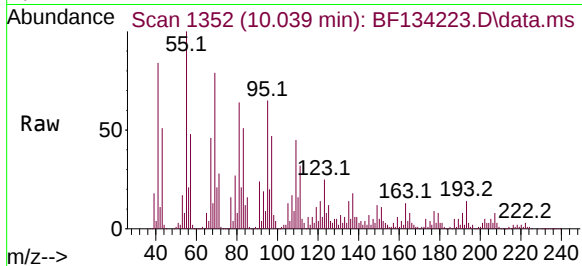




#56
4-Nitrophenol
Concen: 3.787 ng
RT: 10.039 min Scan# 1352
Delta R.T. 0.030 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

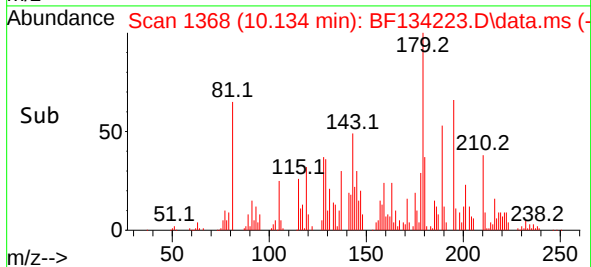
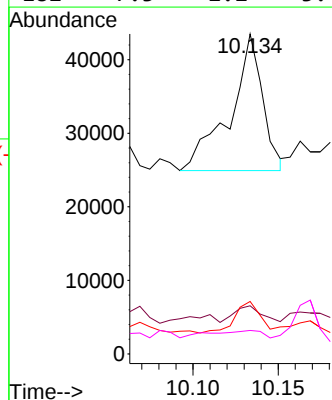
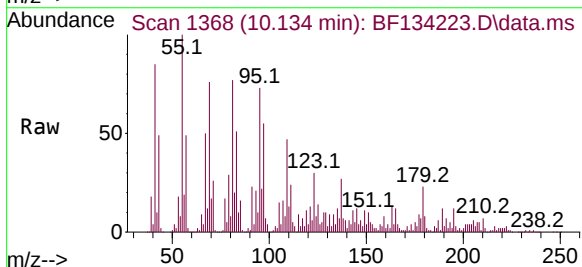
Instrument :
BNA_F
ClientSampleId :

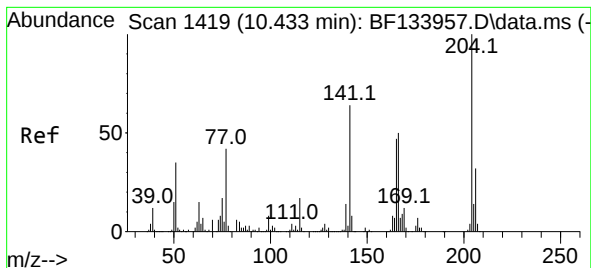
Tgt Ion:139 Resp: 6521
Ion Ratio Lower Upper
139 100
109 739.3 56.8 96.8#
65 128.5 86.1 126.1#



#57
2,4-Dinitrotoluene
Concen: 9.125 ng
RT: 10.134 min Scan# 1368
Delta R.T. 0.053 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

Tgt Ion:165 Resp: 24726
Ion Ratio Lower Upper
165 100
63 15.0 42.2 63.2#
89 16.4 57.4 86.2#
182 7.3 2.2 3.4#

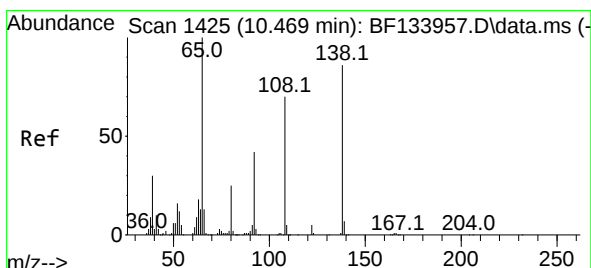
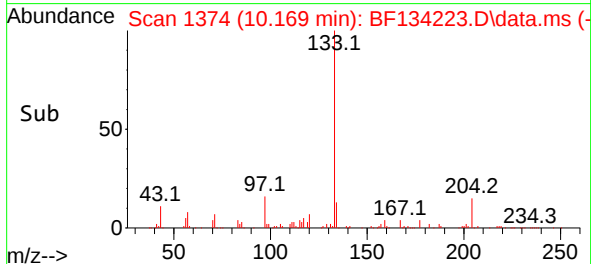
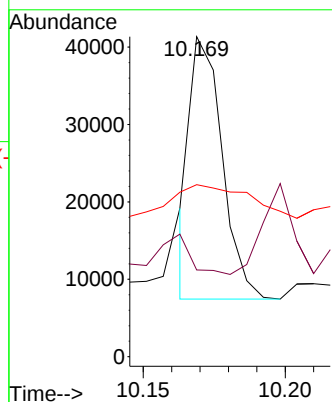
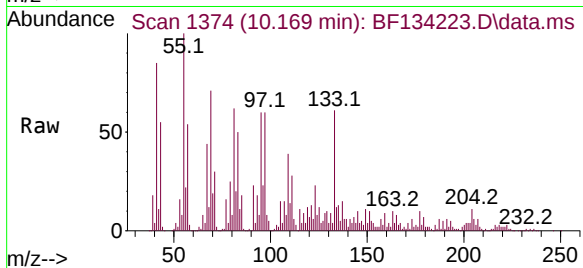




#61
4-Chlorophenyl-phenylether
Concen: 5.951 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.259 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

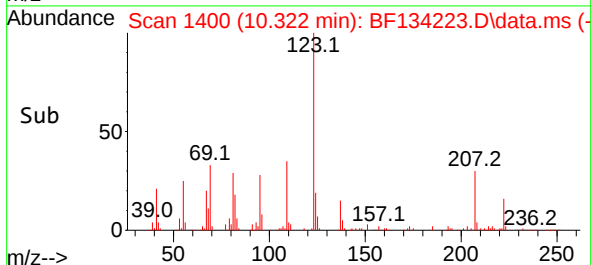
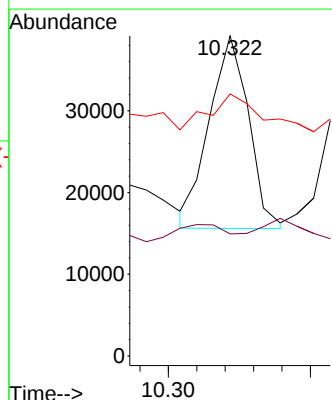
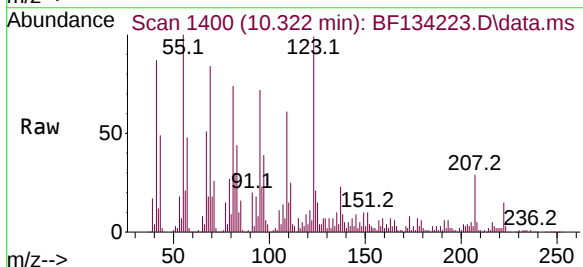
Instrument :
BNA_F
ClientSampleId :

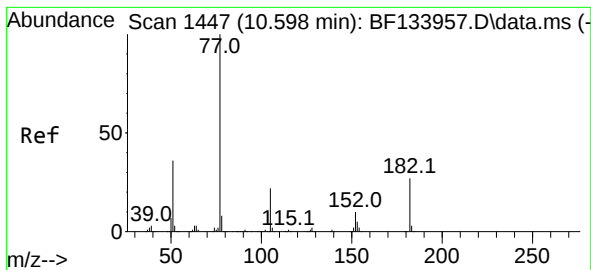
Tgt Ion:204 Resp: 26624
Ion Ratio Lower Upper
204 100
206 27.1 25.8 38.6
141 53.7 51.5 77.3



#62
4-Nitroaniline
Concen: 9.099 ng
RT: 10.322 min Scan# 1400
Delta R.T. -0.141 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

Tgt Ion:138 Resp: 22574
Ion Ratio Lower Upper
138 100
92 38.2 29.7 69.7
108 81.9 62.1 102.1





#63

Azobenzene

Concen: 2.752 ng

RT: 10.616 min Scan# 1447

Delta R.T. 0.024 min

Lab File: BF134223.D

Acq: 11 Jul 2023 20:48

Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 77 Resp: 25840

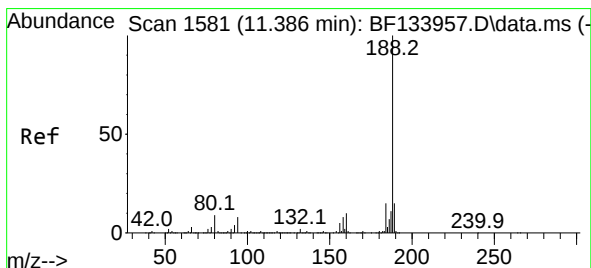
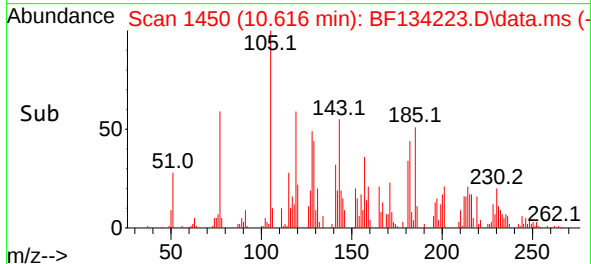
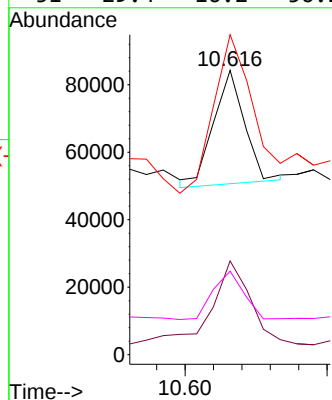
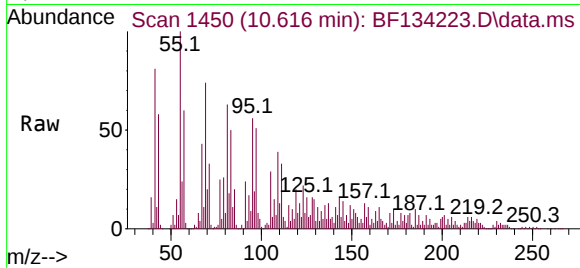
Ion Ratio Lower Upper

77 100

182 33.0 6.8 46.8

105 112.6 2.3 42.3#

51 29.4 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1584

Delta R.T. 0.024 min

Lab File: BF134223.D

Acq: 11 Jul 2023 20:48

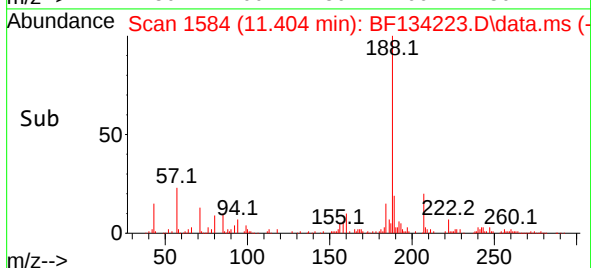
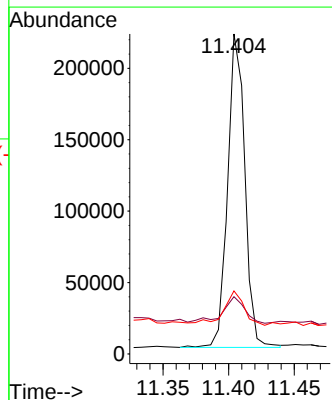
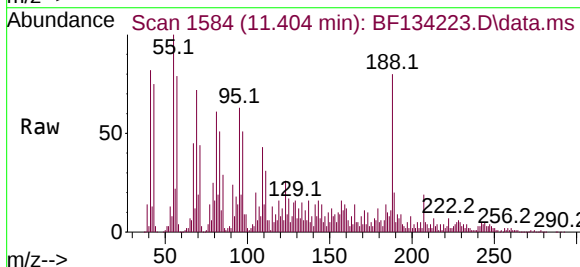
Tgt Ion: 188 Resp: 200192

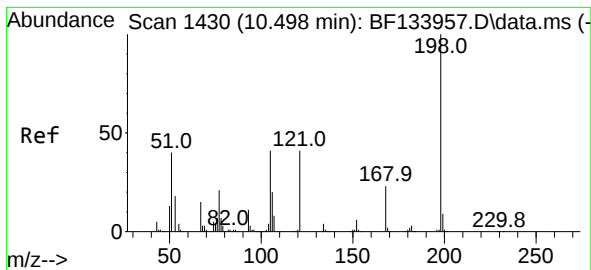
Ion Ratio Lower Upper

188 100

94 17.9 6.4 9.6#

80 19.7 7.3 10.9#

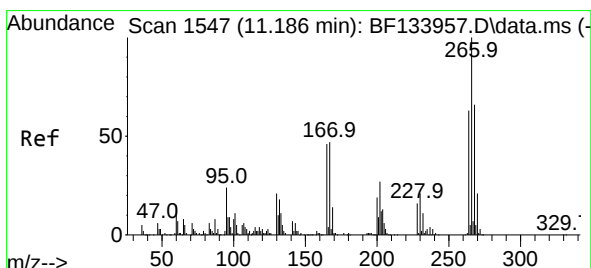
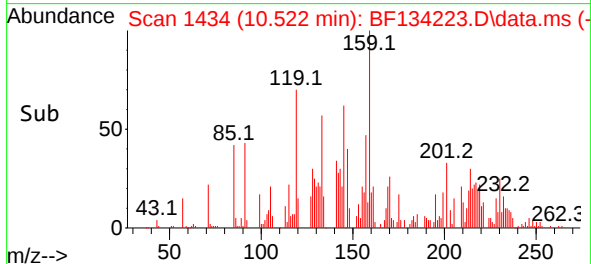
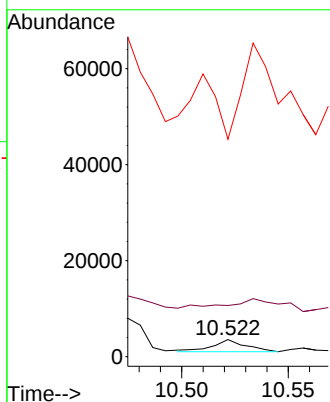
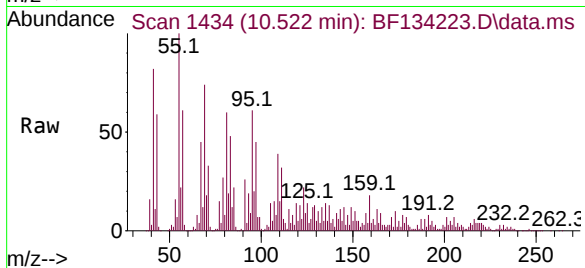




#65
4,6-Dinitro-2-methylphenol
Concen: 2.496 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.030 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

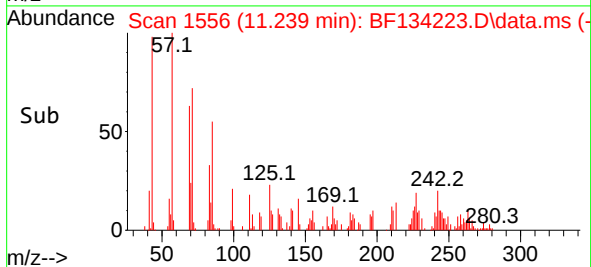
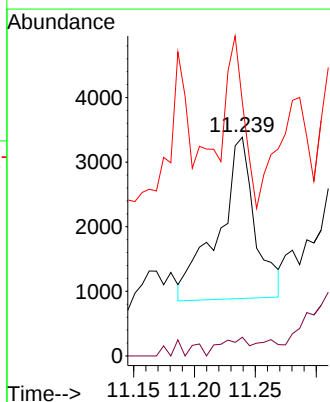
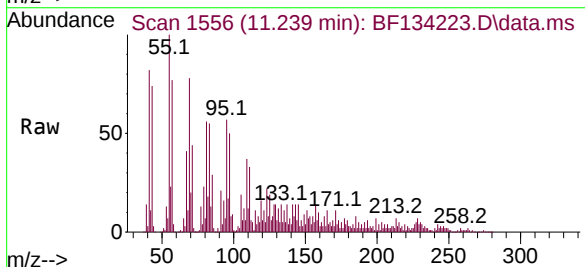
Instrument :
BNA_F
ClientSampleId :

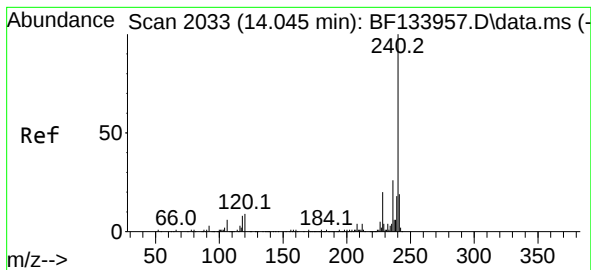
Tgt Ion:198 Resp: 2724
Ion Ratio Lower Upper
198 100
51 300.7 29.3 69.3#
105 1275.0 22.4 62.4#



#70
Pentachlorophenol
Concen: 3.851 ng
RT: 11.239 min Scan# 1556
Delta R.T. 0.053 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

Tgt Ion:266 Resp: 5202
Ion Ratio Lower Upper
266 100
268 8.5 52.6 79.0#
264 116.0 50.6 76.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF134223.D

Acq: 11 Jul 2023 20:48

Instrument :

BNA_F

ClientSampleId :

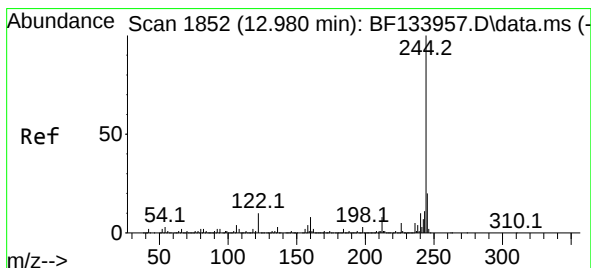
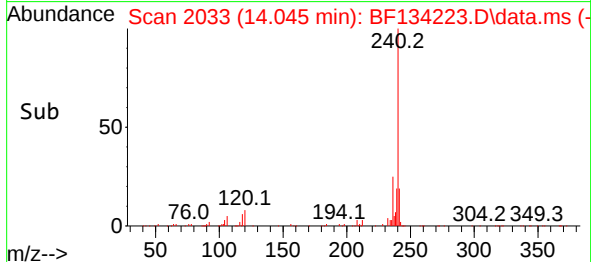
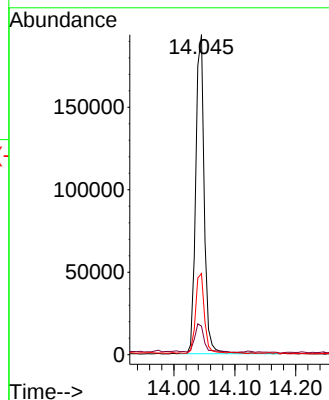
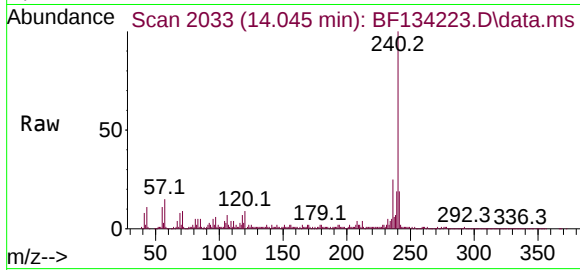
Tgt Ion:240 Resp: 187792

Ion Ratio Lower Upper

240 100

120 8.9 7.4 11.0

236 25.3 21.0 31.6



#79

Terphenyl-d14

Concen: 44.026 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.012 min

Lab File: BF134223.D

Acq: 11 Jul 2023 20:48

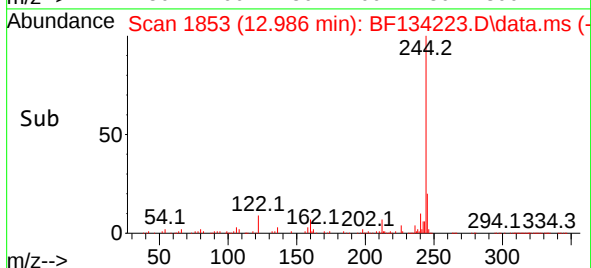
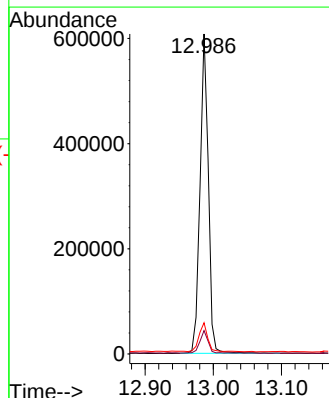
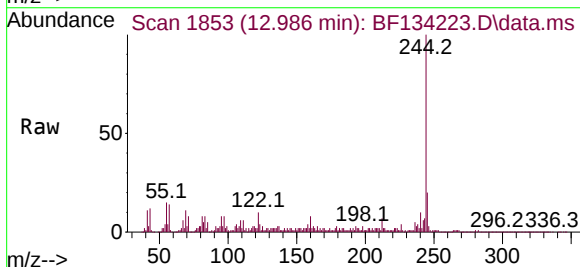
Tgt Ion:244 Resp: 513708

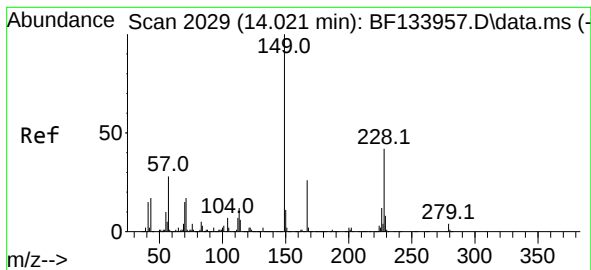
Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 9.8 8.3 12.5

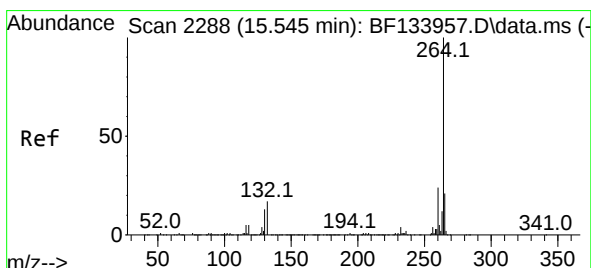
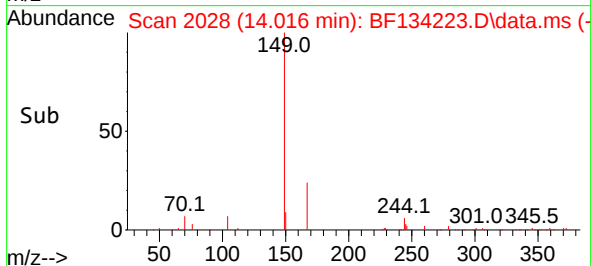
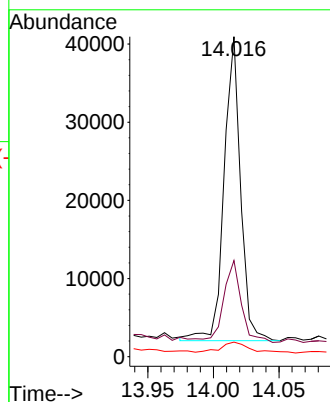
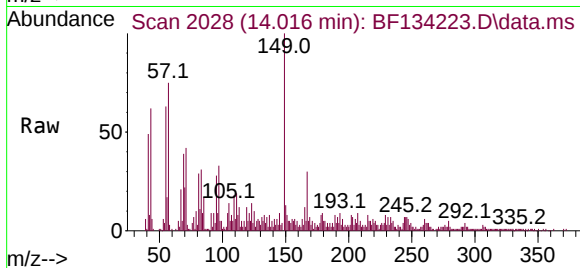




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.505 ng
RT: 14.016 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:149 Resp: 33933
Ion Ratio Lower Upper
149 100
167 30.0 21.0 31.4
279 4.5 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF134223.D
Acq: 11 Jul 2023 20:48

Tgt Ion:264 Resp: 217097
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 22.3 16.6 25.0

