

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
 Data File : BF134852.D
 Acq On : 18 Aug 2023 21:24
 Operator : CG\JU
 Sample : 04069-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-WC-1

Quant Time: Aug 19 01:47:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

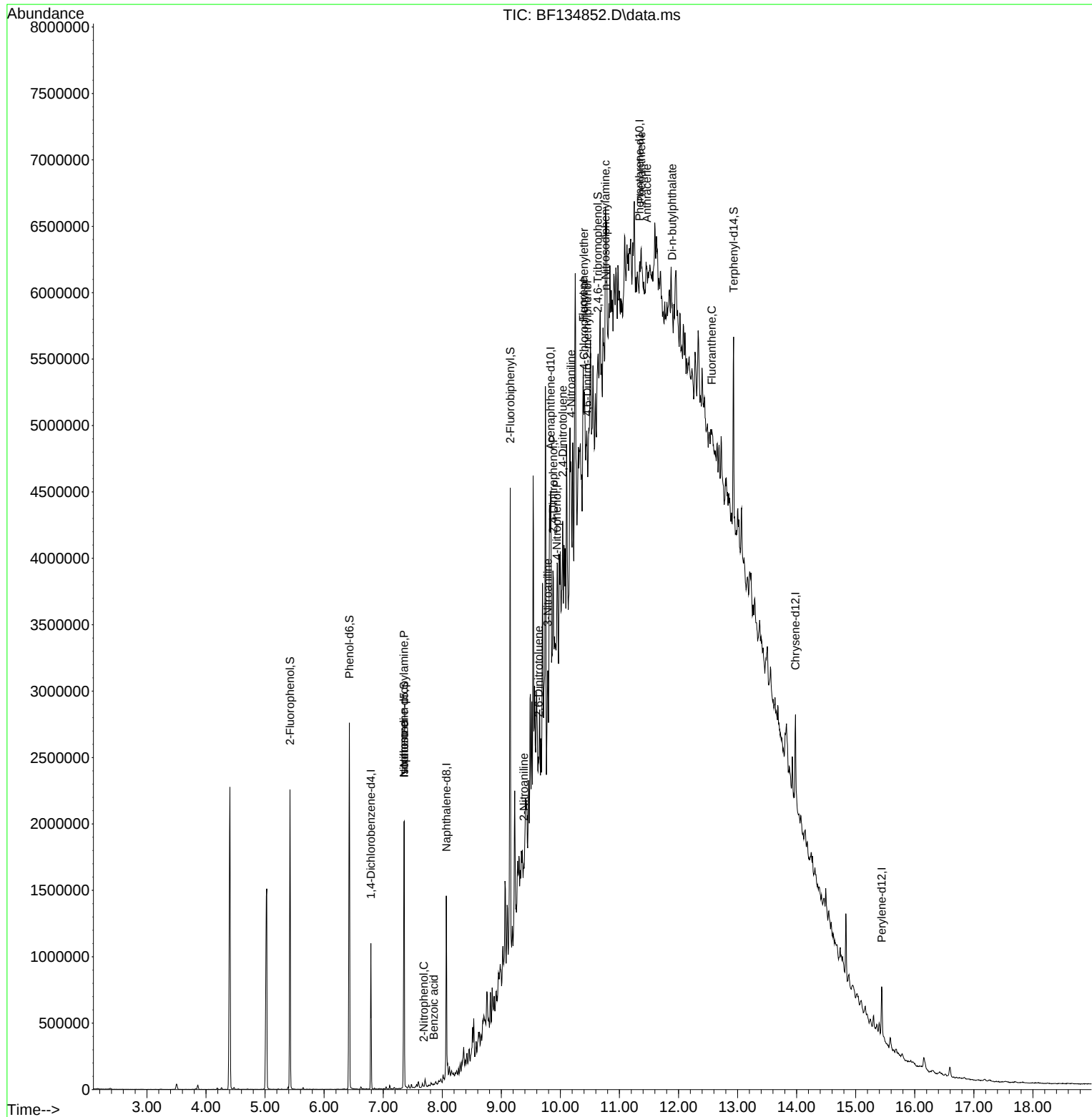
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	140399	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	542939	20.000	ng	#-0.01
39) Acenaphthene-d10	9.833	164	167769	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	171235	20.000	ng	# 0.02
76) Chrysene-d12	13.980	240	245213	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	186108	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	575079	62.264	ng	0.00
7) Phenol-d6	6.428	99	981123	83.099	ng	-0.01
23) Nitrobenzene-d5	7.351	82	696067	80.118	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	57500	33.621	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1077039	106.741	ng	-0.01
79) Terphenyl-d14	12.933	244	718809	51.676	ng	0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.345	77	723	Below Cal	#	16
19) n-Nitroso-di-n-propyla...	7.351	70	92931	13.146	ng	# 73
25) Isophorone	7.351	82	690035	36.414	ng	# 65
26) 2-Nitrophenol	7.686	139	133	4.822	ng	# 1
32) Benzoic acid	7.857	122	88	7.880	ng	# 10
48) 2-Nitroaniline	9.380	65	1789	3.714	ng	# 12
51) 2,6-Dinitrotoluene	9.633	165	13553	7.980	ng	# 27
53) 3-Nitroaniline	9.786	138	23017	9.031	ng	# 25
54) 2,4-Dinitrophenol	9.880	184	802	7.928	ng	# 1
56) 4-Nitrophenol	9.939	139	14530	6.971	ng	# 1
57) 2,4-Dinitrotoluene	10.039	165	16853	8.453	ng	# 65
58) Fluorene	10.386	166	29733	2.880	ng	# 12
61) 4-Chlorophenyl-phenyle...	10.398	204	10679	2.104	ng	# 1
62) 4-Nitroaniline	10.180	138	12684	5.077	ng	# 95
65) 4,6-Dinitro-2-methylph...	10.457	198	4762	14.333	ng	# 1
66) n-Nitrosodiphenylamine	10.763	169	222076	40.746	ng	# 98
71) Phenanthrene	11.368	178	120123	13.207	ng	# 60
72) Anthracene	11.463	178	45620	4.910	ng	# 1
74) Di-n-butylphthalate	11.892	149	22310	2.532	ng	# 31
75) Fluoranthene	12.563	202	21363	2.224	ng	# 12

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

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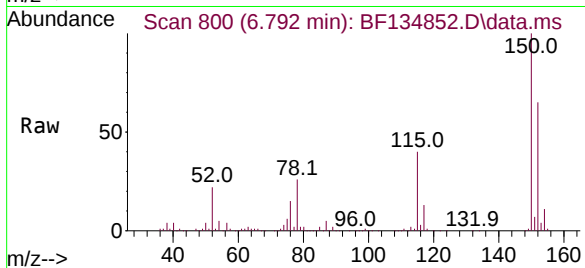
Quant Time: Aug 19 01:47:35 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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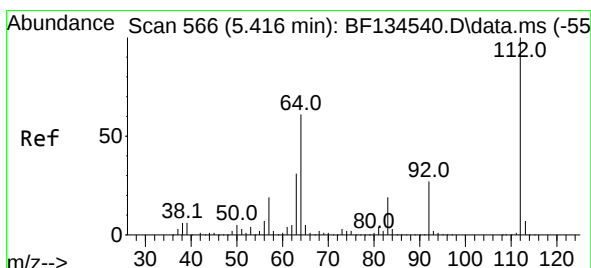
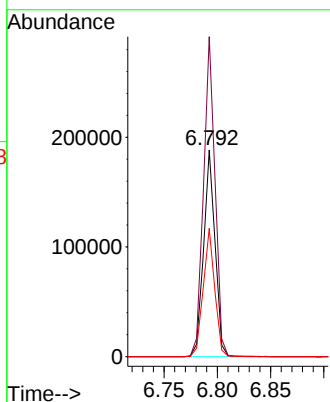
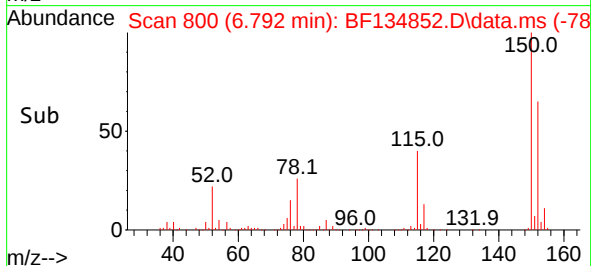


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

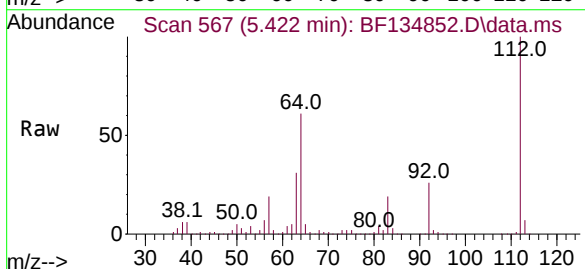
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1



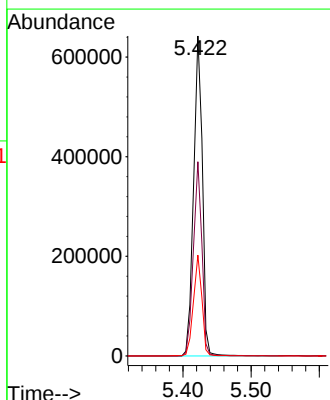
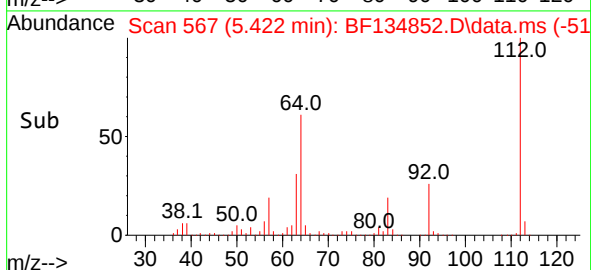
Tgt Ion:152 Resp: 140399
Ion Ratio Lower Upper
152 100
150 154.8 128.3 192.5
115 62.0 52.4 78.6

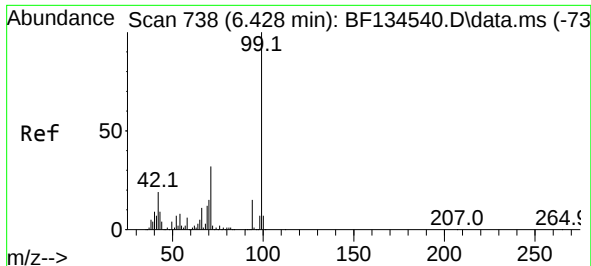


#5
2-Fluorophenol
Concen: 62.264 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24



Tgt Ion:112 Resp: 575079
Ion Ratio Lower Upper
112 100
64 60.7 44.9 67.3
63 31.5 25.4 38.0

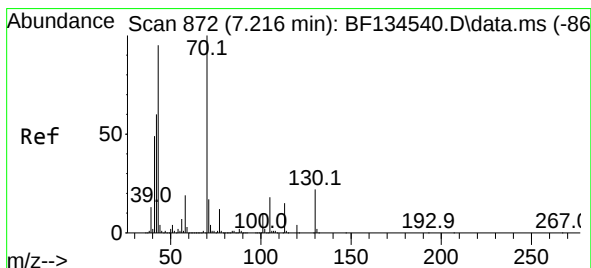
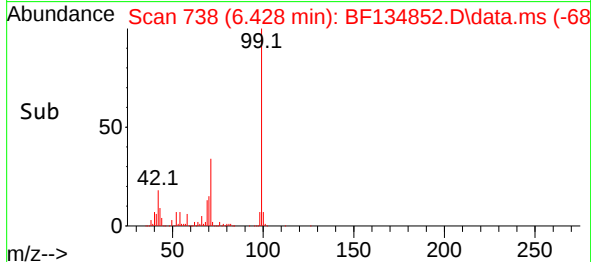
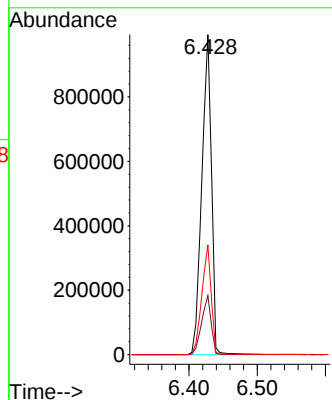
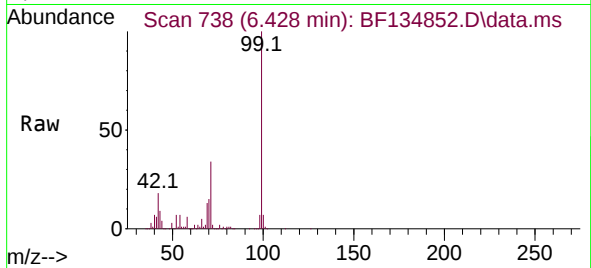




#7
Phenol-d6
Concen: 83.099 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

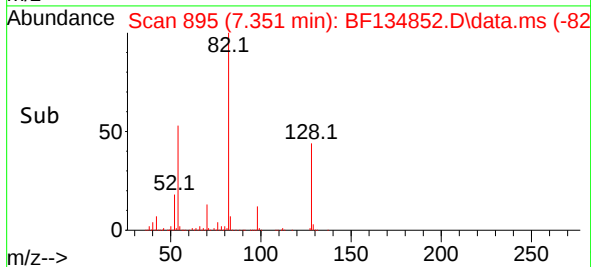
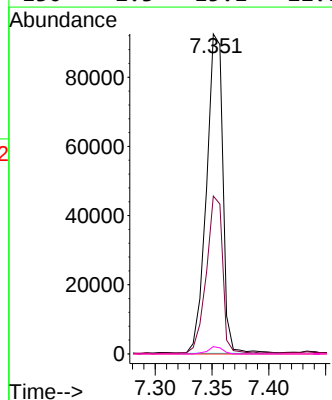
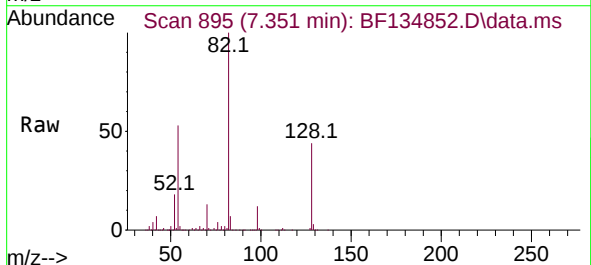
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

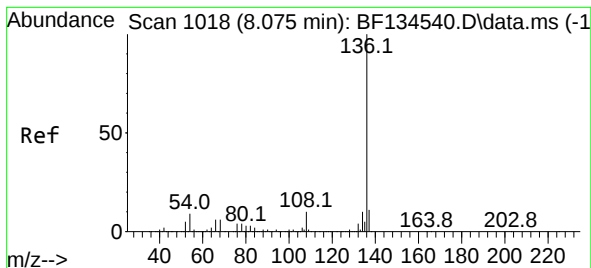
Tgt Ion: 99 Resp: 981123
Ion Ratio Lower Upper
99 100
42 18.4 18.7 28.1#
71 34.3 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 13.146 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

Tgt Ion: 70 Resp: 92931
Ion Ratio Lower Upper
70 100
42 49.3 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 10

Delta R.T. -0.012 min

Lab File: BF134852.D

Acq: 18 Aug 2023 21:24

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

Tgt Ion:136 Resp: 542939

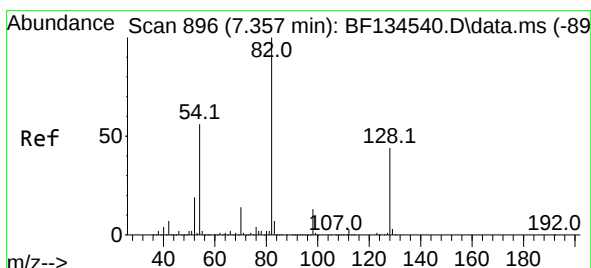
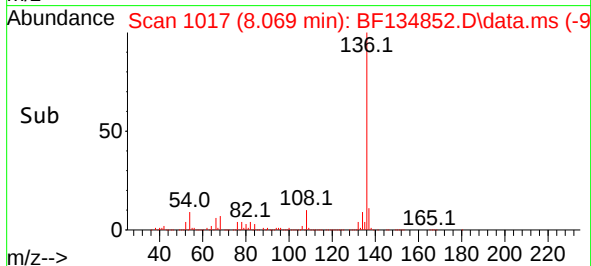
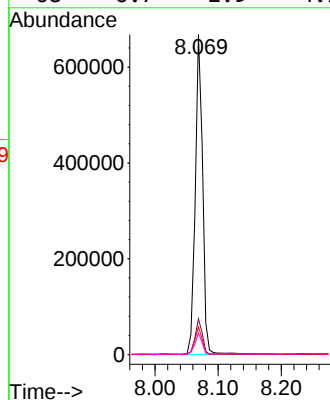
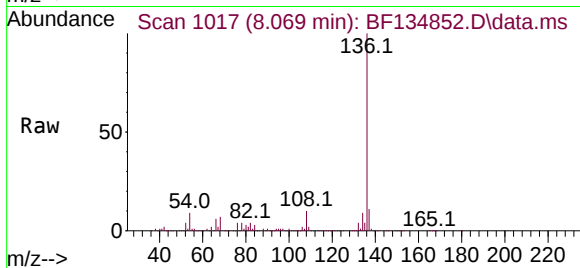
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 8.7 5.2 7.8#

68 6.7 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 80.118 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF134852.D

Acq: 18 Aug 2023 21:24

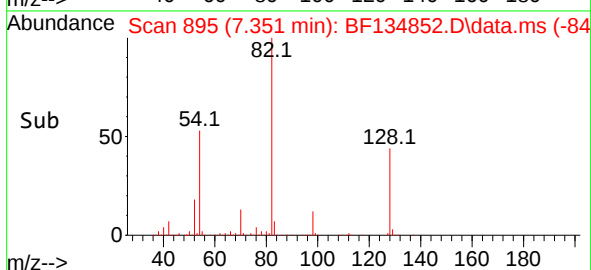
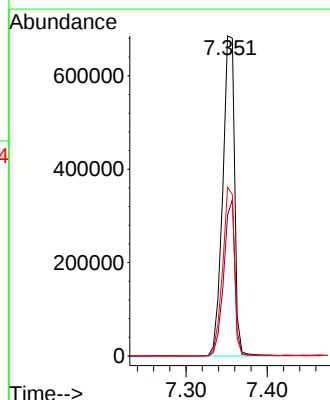
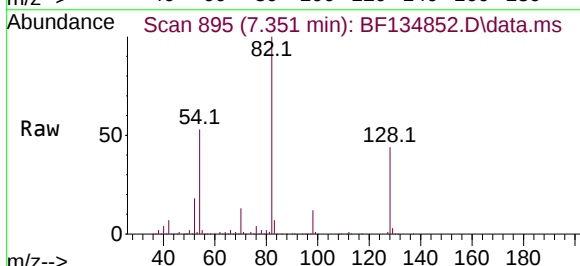
Tgt Ion: 82 Resp: 696067

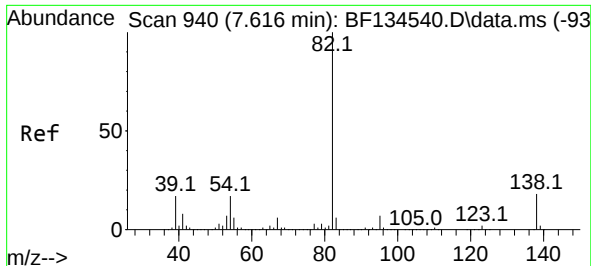
Ion Ratio Lower Upper

82 100

128 44.0 34.3 51.5

54 52.7 43.8 65.6

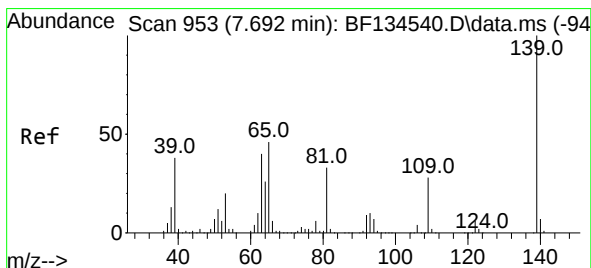
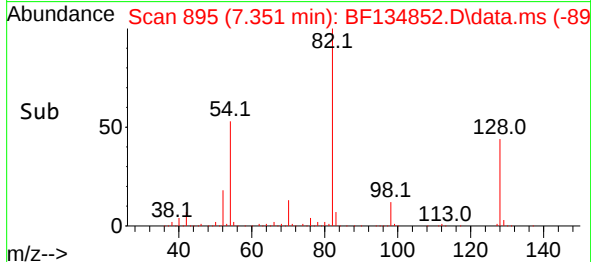
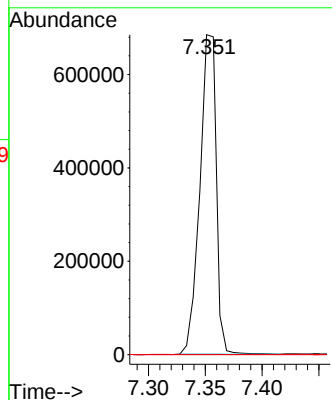
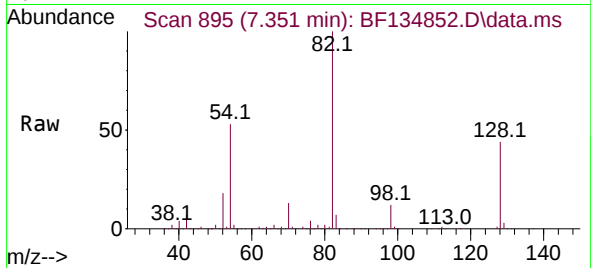




#25
Isophorone
Concen: 36.414 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

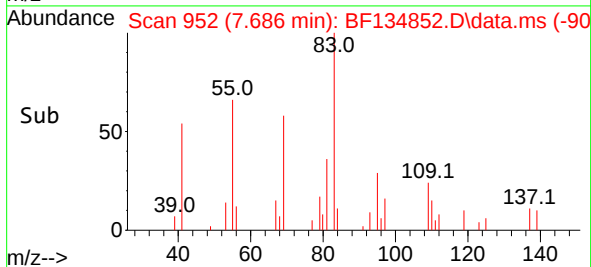
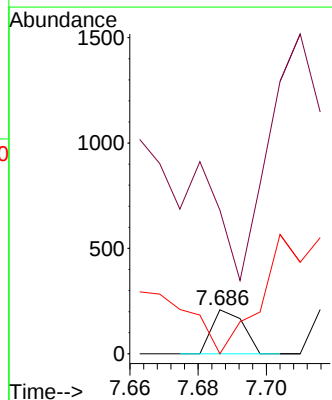
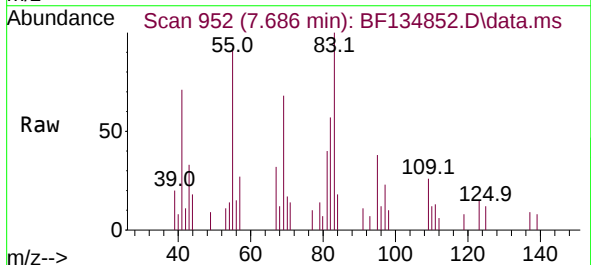
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

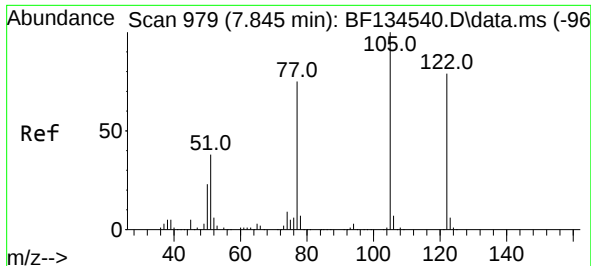
Tgt Ion: 82 Resp: 690035
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.822 ng
RT: 7.686 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

Tgt Ion:139 Resp: 133
Ion Ratio Lower Upper
139 100
109 326.3 29.8 44.6#
65 0.0 45.4 68.2#

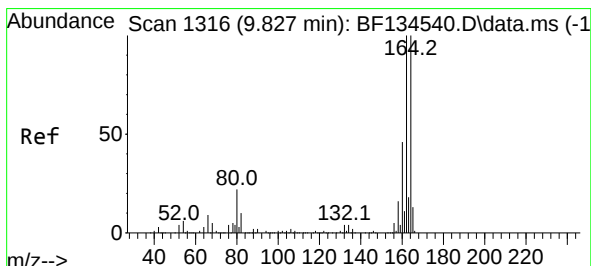
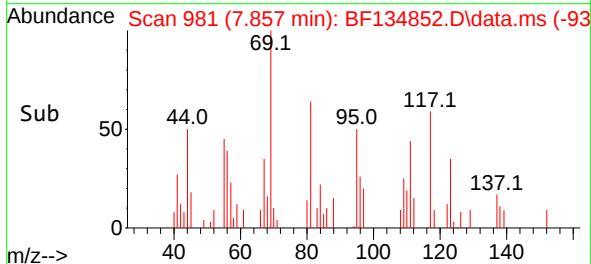
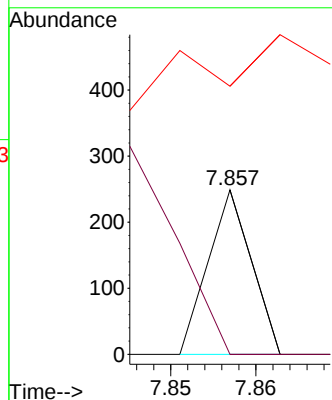
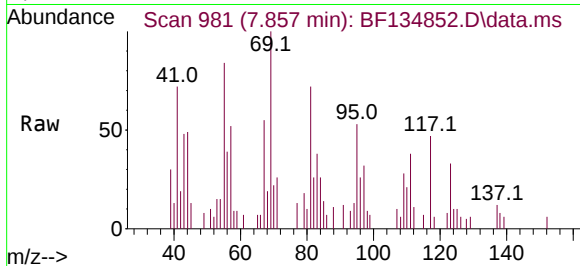




#32
Benzoic acid
Concen: 7.880 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.006 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

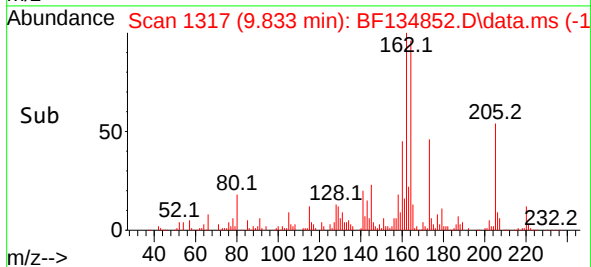
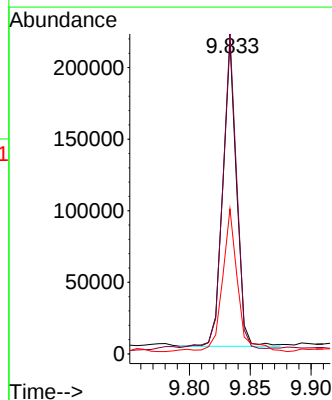
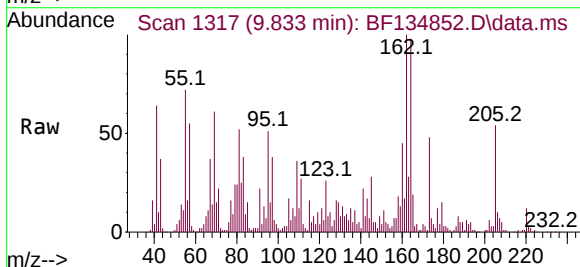
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BNA_F
ClientSampleId :
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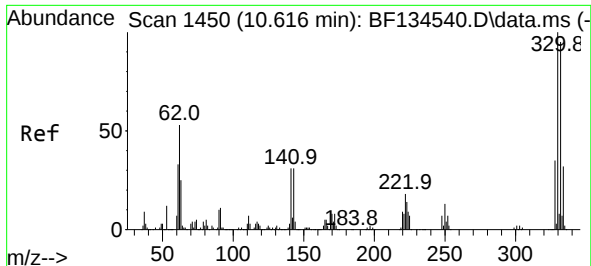
Tgt Ion:122 Resp: 88
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 163.1 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

Tgt Ion:164 Resp: 167769
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 46.4 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 33.621 ng

RT: 10.633 min Scan# 1453

Delta R.T. 0.006 min

Lab File: BF134852.D

Acq: 18 Aug 2023 21:24

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

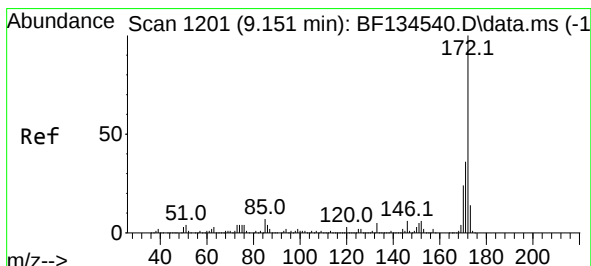
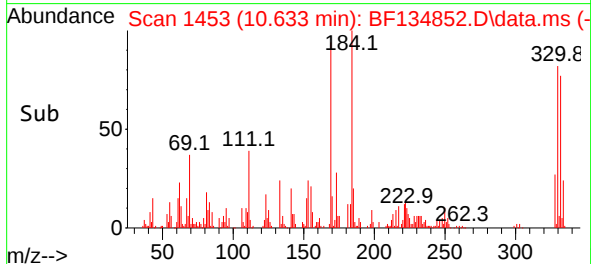
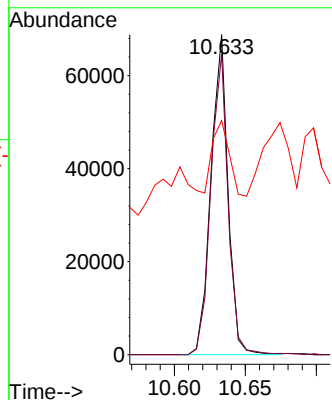
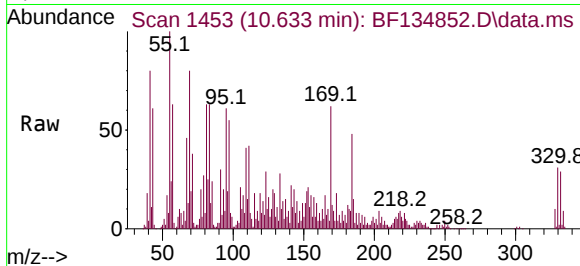
Tgt Ion:330 Resp: 57500

Ion Ratio Lower Upper

330 100

332 95.3 78.8 118.2

141 23.1 25.4 38.2#



#45

2-Fluorobiphenyl

Concen: 106.741 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134852.D

Acq: 18 Aug 2023 21:24

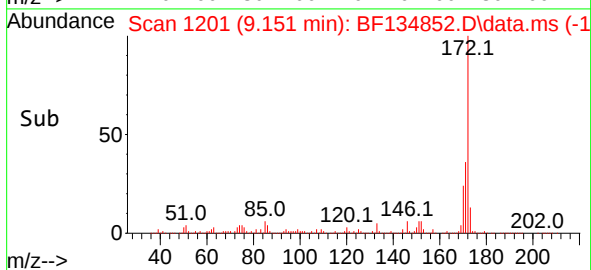
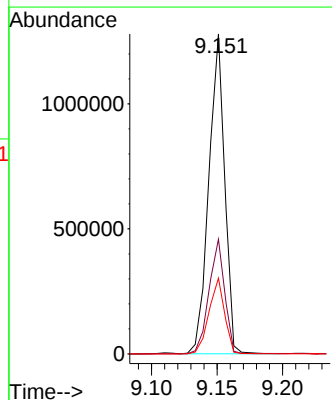
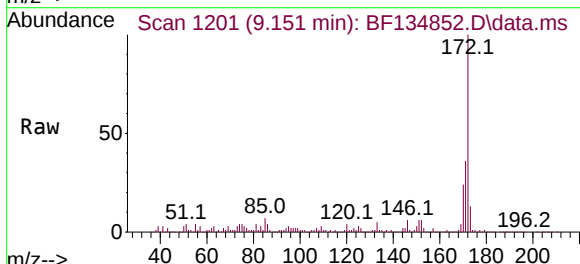
Tgt Ion:172 Resp: 1077039

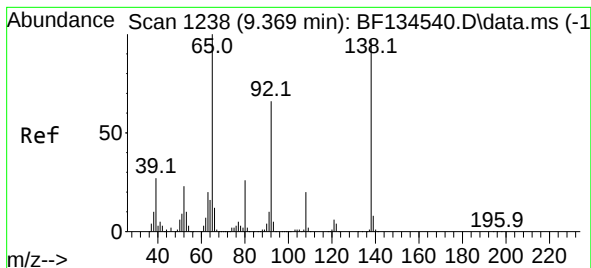
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.7 18.7 28.1





#48

2-Nitroaniline

Concen: 3.714 ng

RT: 9.380 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF134852.D

Acq: 18 Aug 2023 21:24

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

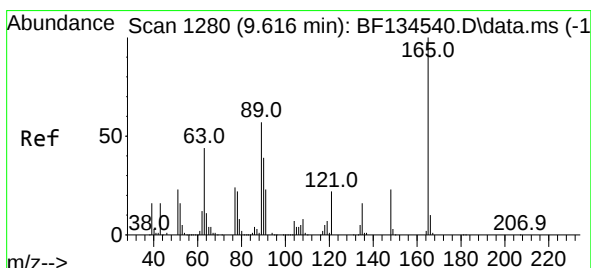
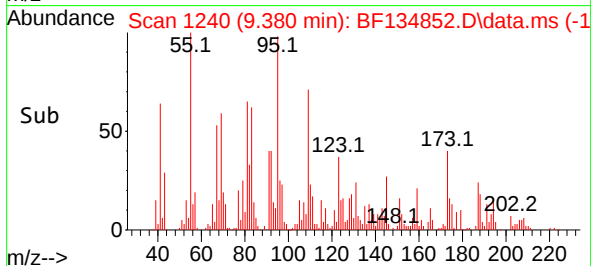
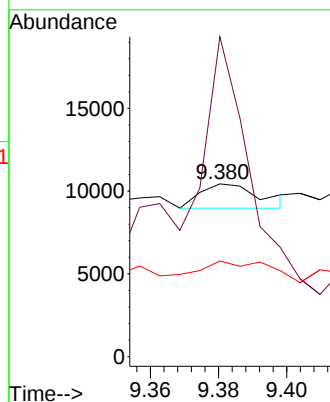
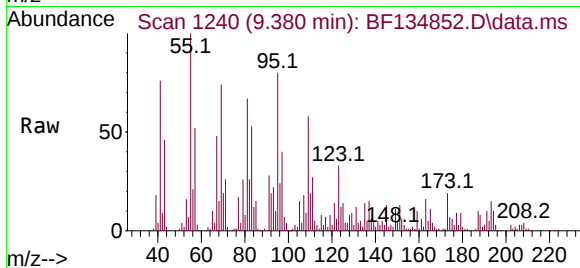
Tgt Ion: 65 Resp: 1789

Ion Ratio Lower Upper

65 100

92 185.2 50.7 76.1#

138 55.4 78.2 117.4#



#51

2,6-Dinitrotoluene

Concen: 7.980 ng

RT: 9.633 min Scan# 1283

Delta R.T. 0.006 min

Lab File: BF134852.D

Acq: 18 Aug 2023 21:24

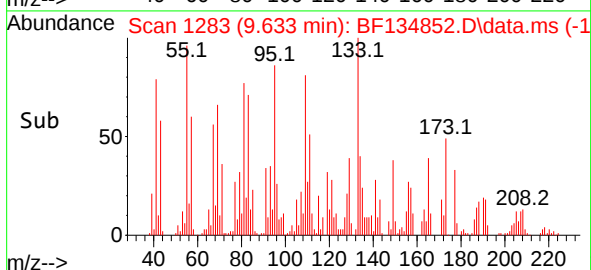
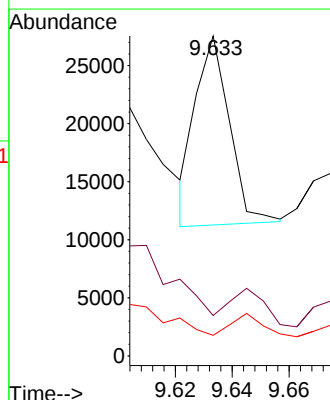
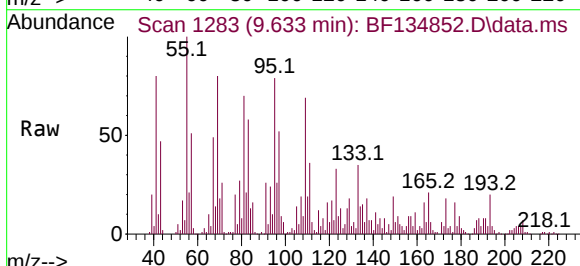
Tgt Ion:165 Resp: 13553

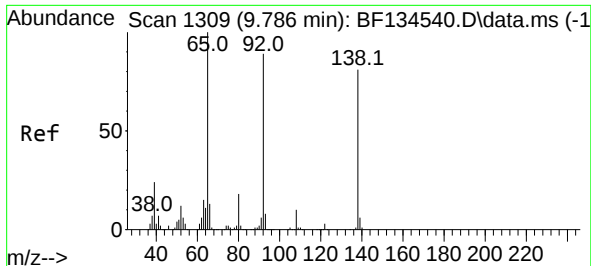
Ion Ratio Lower Upper

165 100

63 12.6 57.8 86.6#

89 6.4 51.8 77.8#

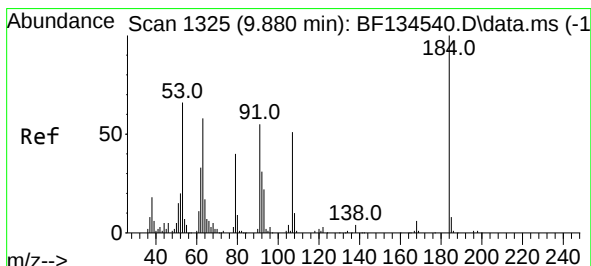
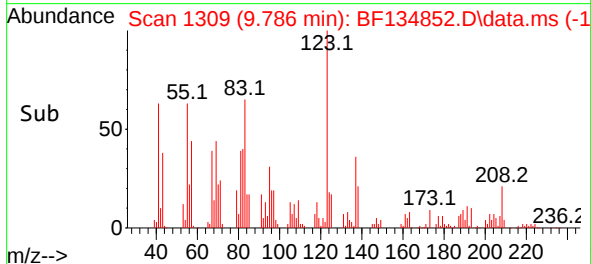
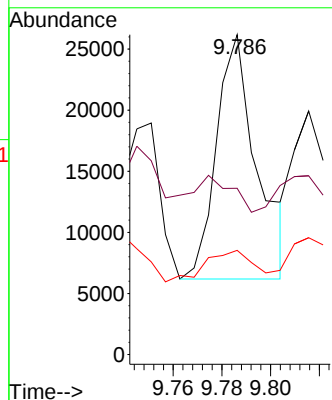
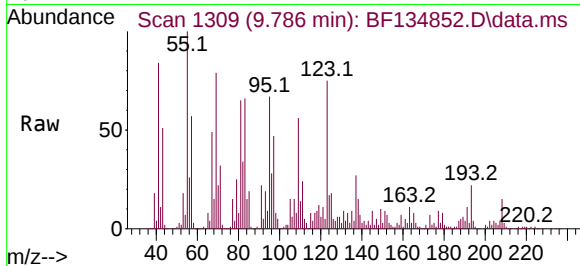




#53
3-Nitroaniline
Concen: 9.031 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

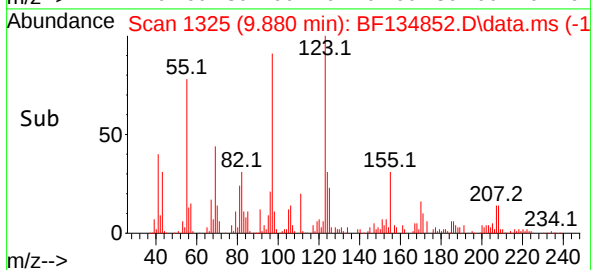
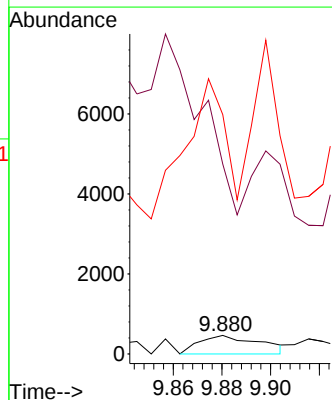
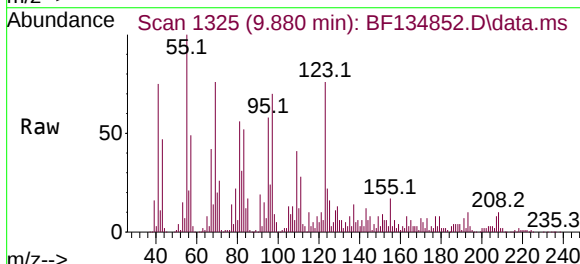
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

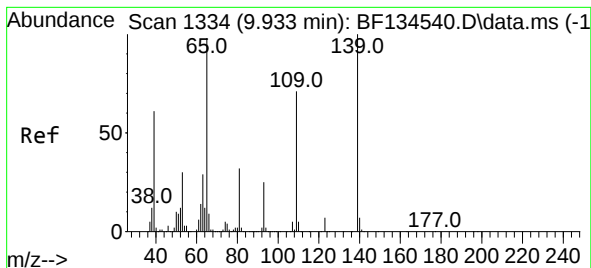
Tgt Ion:138 Resp: 23017
Ion Ratio Lower Upper
138 100
108 52.0 9.3 13.9#
92 32.6 86.6 129.8#



#54
2,4-Dinitrophenol
Concen: 7.928 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

Tgt Ion:184 Resp: 802
Ion Ratio Lower Upper
184 100
63 1024.8 57.1 85.7#
154 1292.0 59.1 88.7#

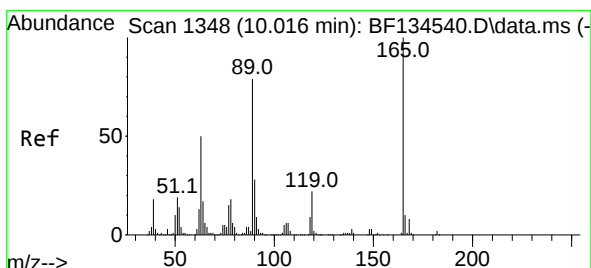
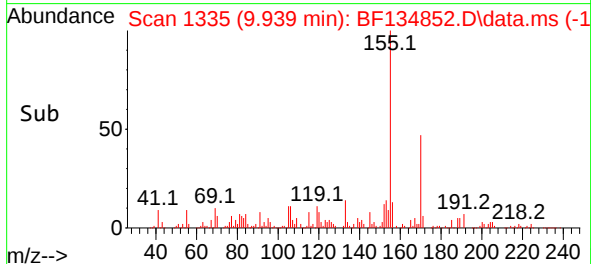
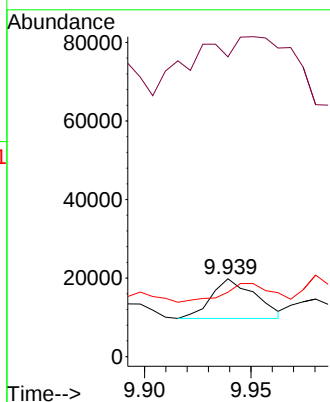
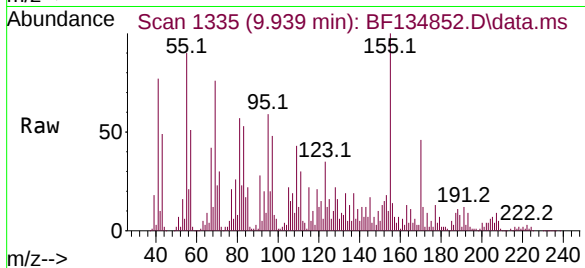




#56
4-Nitrophenol
Concen: 6.971 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

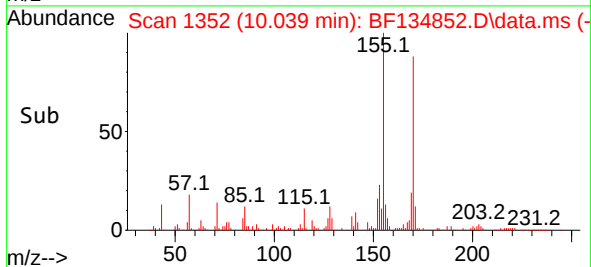
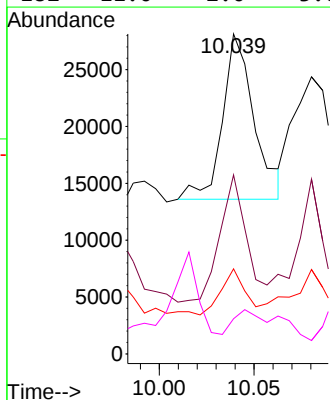
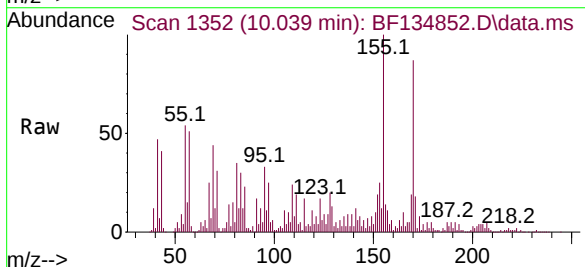
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

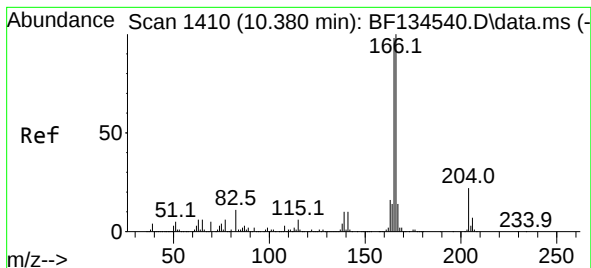
Tgt Ion:139 Resp: 14530
Ion Ratio Lower Upper
139 100
109 385.0 76.9 116.9#
65 82.7 98.5 138.5#



#57
2,4-Dinitrotoluene
Concen: 8.453 ng
RT: 10.039 min Scan# 1352
Delta R.T. 0.012 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

Tgt Ion:165 Resp: 16853
Ion Ratio Lower Upper
165 100
63 55.9 48.9 73.3
89 26.6 61.7 92.5#
182 11.0 2.0 3.0#





#58

Fluorene

Concen: 2.880 ng

RT: 10.386 min Scan# 1410

Delta R.T. -0.000 min

Lab File: BF134852.D

Acq: 18 Aug 2023 21:24

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

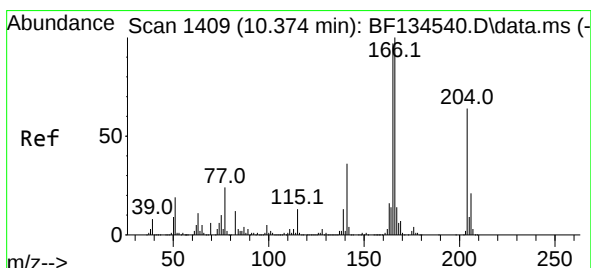
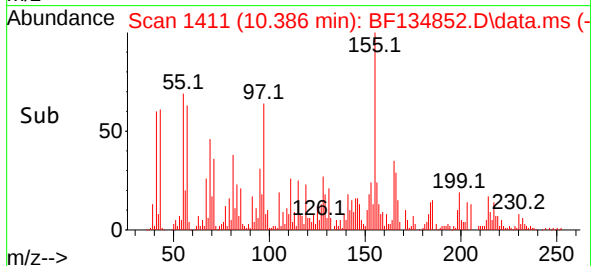
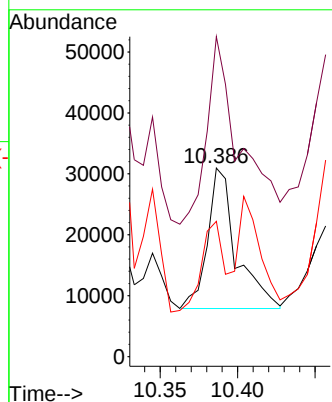
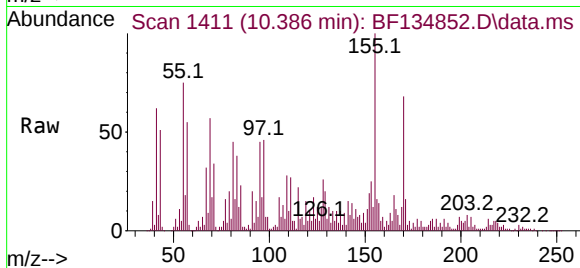
Tgt Ion:166 Resp: 29733

Ion Ratio Lower Upper

166 100

165 169.8 74.5 111.7#

167 71.8 10.6 16.0#



#61

4-Chlorophenyl-phenylether

Concen: 2.104 ng

RT: 10.398 min Scan# 1413

Delta R.T. 0.018 min

Lab File: BF134852.D

Acq: 18 Aug 2023 21:24

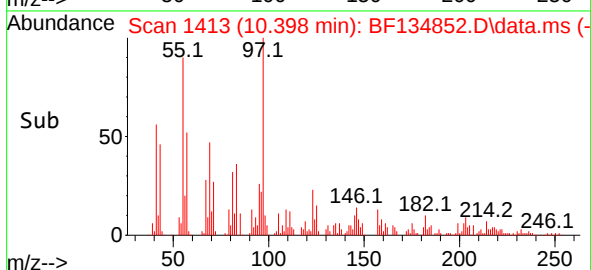
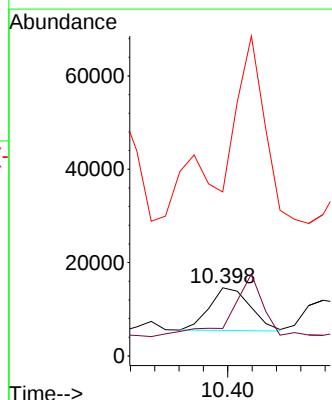
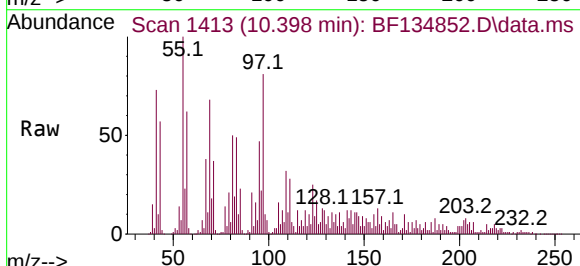
Tgt Ion:204 Resp: 10679

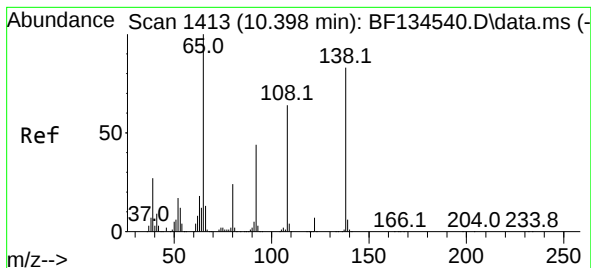
Ion Ratio Lower Upper

204 100

206 40.3 26.0 39.0#

141 240.9 52.2 78.4#

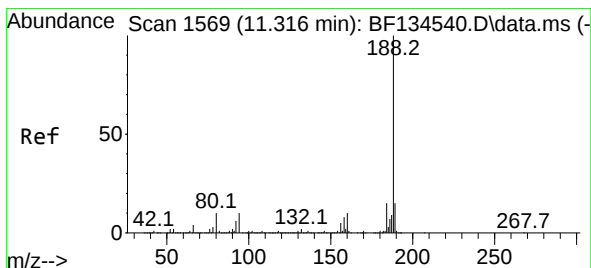
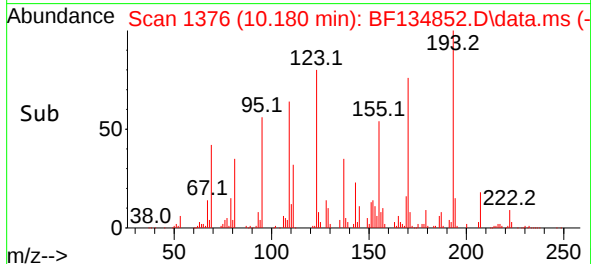
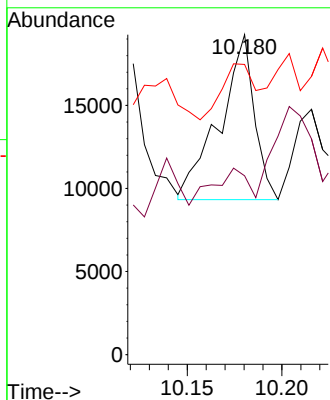
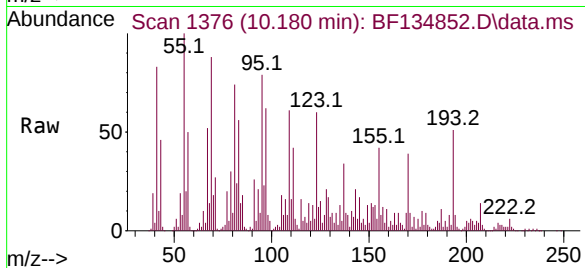




#62
4-Nitroaniline
Concen: 5.077 ng
RT: 10.180 min Scan# 1376
Delta R.T. -0.229 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

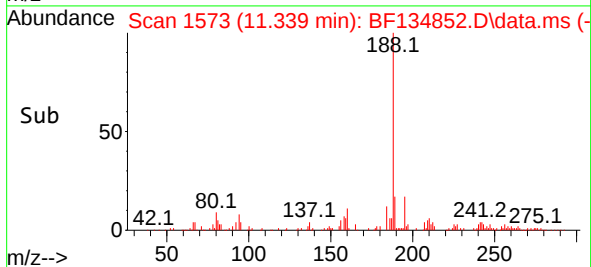
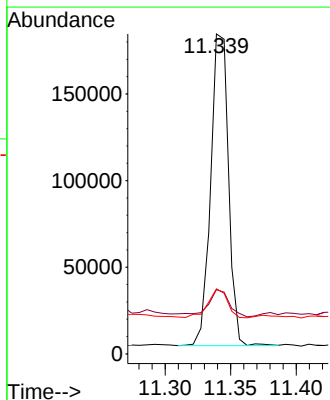
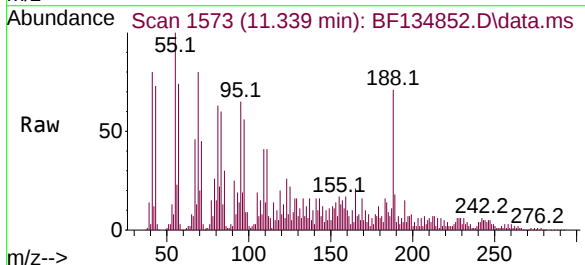
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

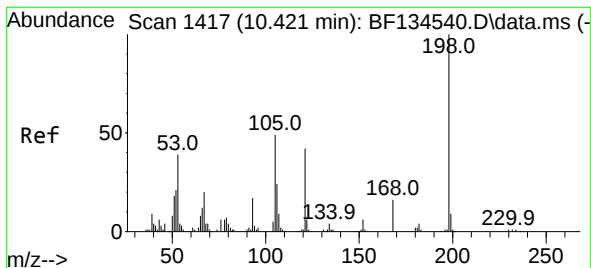
Tgt Ion:138 Resp: 12684
Ion Ratio Lower Upper
138 100
92 55.9 27.0 67.0
108 90.7 70.4 110.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.018 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

Tgt Ion:188 Resp: 171235
Ion Ratio Lower Upper
188 100
94 20.1 5.1 7.7#
80 20.4 6.6 9.8#

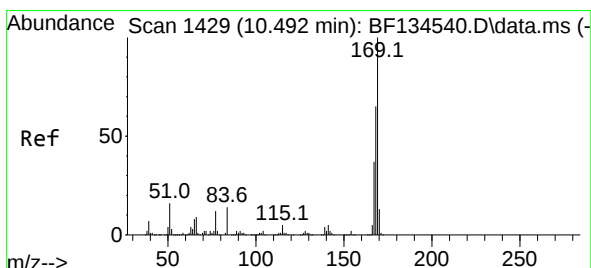
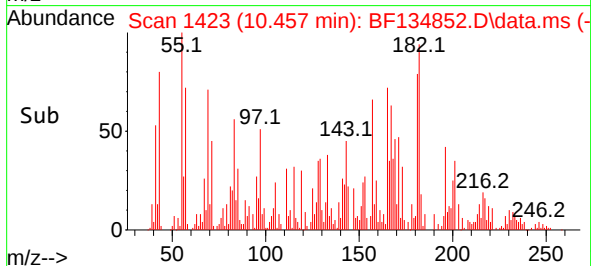
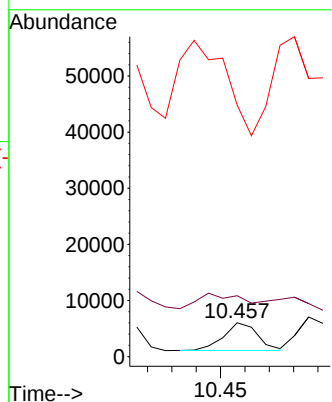
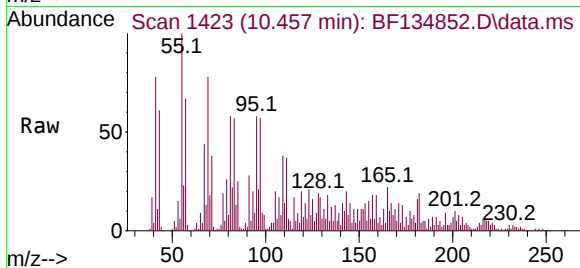




#65
4,6-Dinitro-2-methylphenol
Concen: 14.333 ng
RT: 10.457 min Scan# 1417
Delta R.T. 0.018 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

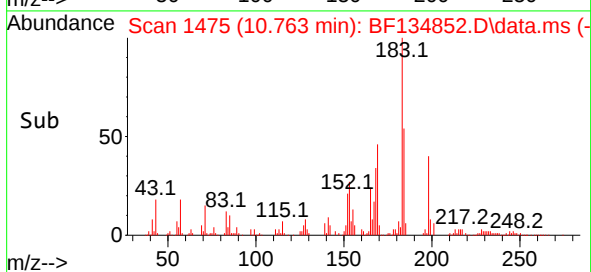
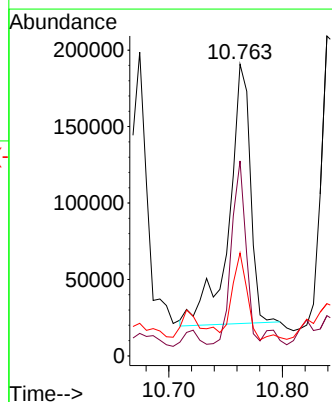
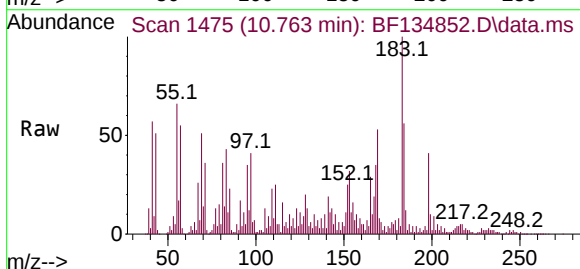
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

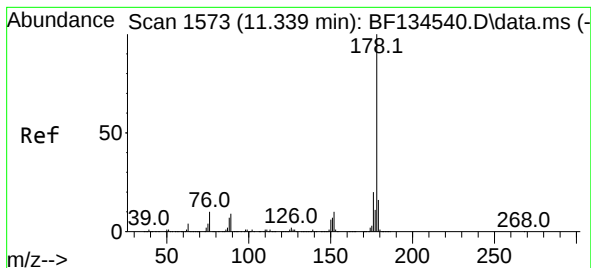
Tgt Ion:198 Resp: 4762
Ion Ratio Lower Upper
198 100
51 179.7 38.6 78.6#
105 742.9 27.9 67.9#



#66
n-Nitrosodiphenylamine
Concen: 40.746 ng
RT: 10.763 min Scan# 1475
Delta R.T. 0.259 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

Tgt Ion:169 Resp: 222076
Ion Ratio Lower Upper
169 100
168 66.9 52.6 78.8
167 35.3 29.8 44.8





#71

Phenanthrene

Concen: 13.207 ng

RT: 11.368 min Scan# 1578

Delta R.T. 0.018 min

Lab File: BF134852.D

Acq: 18 Aug 2023 21:24

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

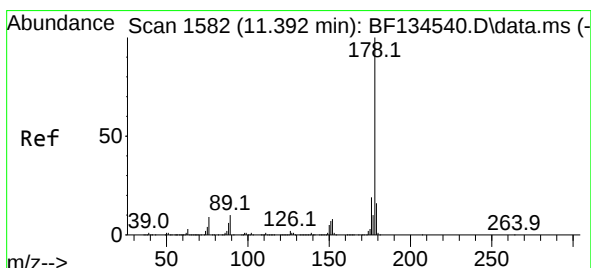
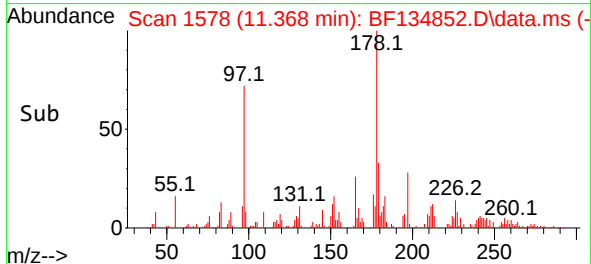
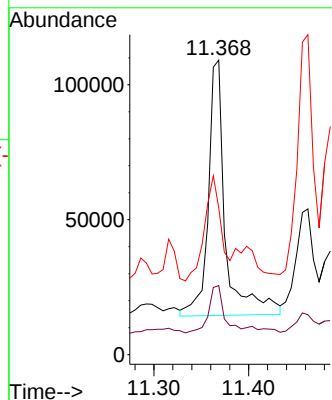
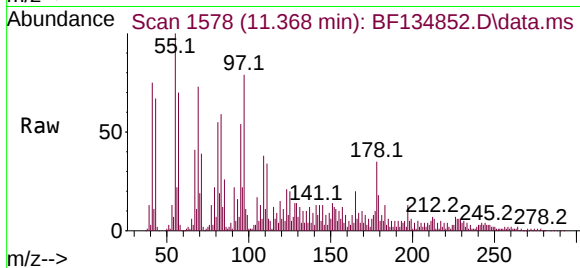
Tgt Ion:178 Resp: 120123

Ion Ratio Lower Upper

178 100

176 23.5 15.8 23.6

179 49.8 12.7 19.1#



#72

Anthracene

Concen: 4.910 ng

RT: 11.463 min Scan# 1594

Delta R.T. 0.059 min

Lab File: BF134852.D

Acq: 18 Aug 2023 21:24

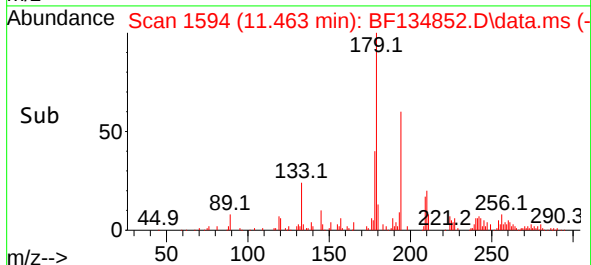
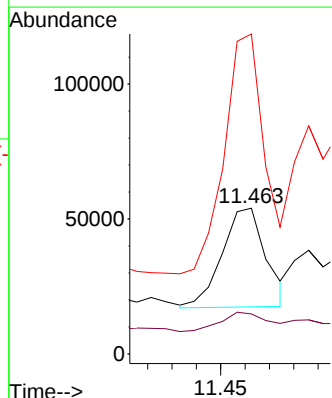
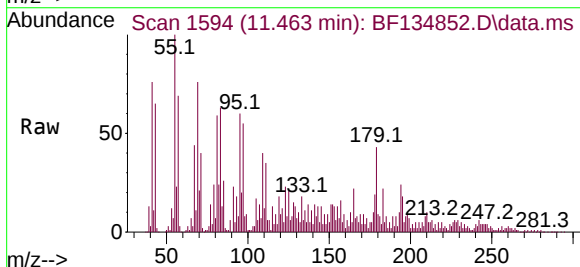
Tgt Ion:178 Resp: 45620

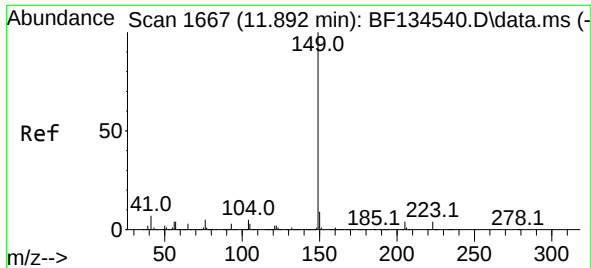
Ion Ratio Lower Upper

178 100

176 27.4 14.6 21.8#

179 219.7 12.3 18.5#

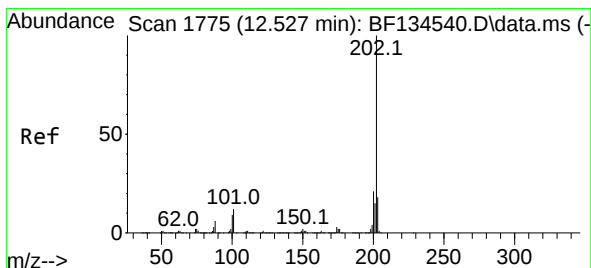
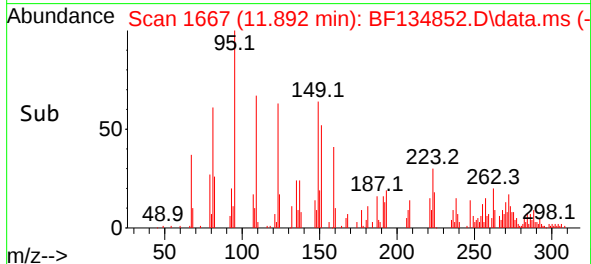
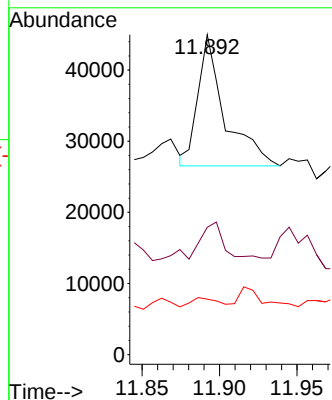
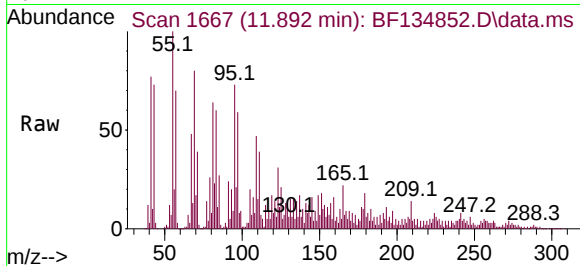




#74
Di-n-butylphthalate
Concen: 2.532 ng
RT: 11.892 min Scan# 1667
Delta R.T. -0.006 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

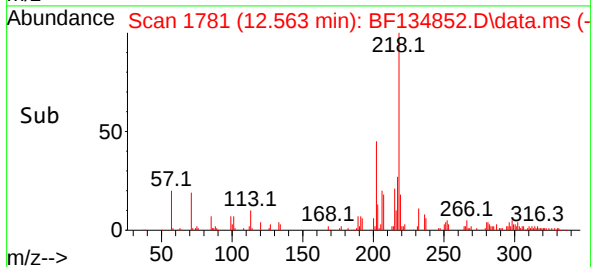
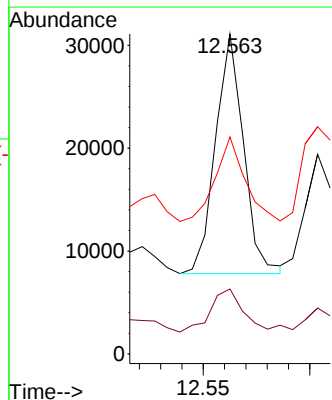
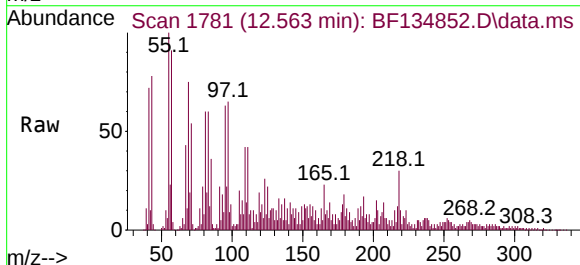
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

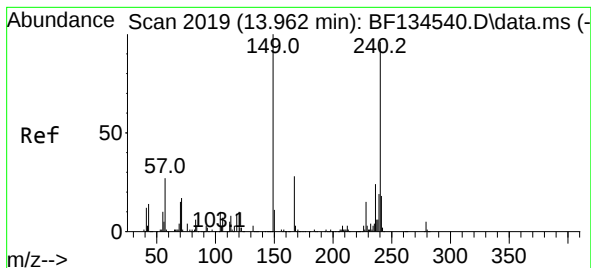
Tgt Ion:149 Resp: 22310
Ion Ratio Lower Upper
149 100
150 39.8 7.2 10.8#
104 17.3 3.8 5.8#



#75
Fluoranthene
Concen: 2.224 ng
RT: 12.563 min Scan# 1781
Delta R.T. 0.023 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

Tgt Ion:202 Resp: 21363
Ion Ratio Lower Upper
202 100
101 20.3 0.0 28.5
203 67.8 0.0 37.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2019

Delta R.T. 0.006 min

Lab File: BF134852.D

Acq: 18 Aug 2023 21:24

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

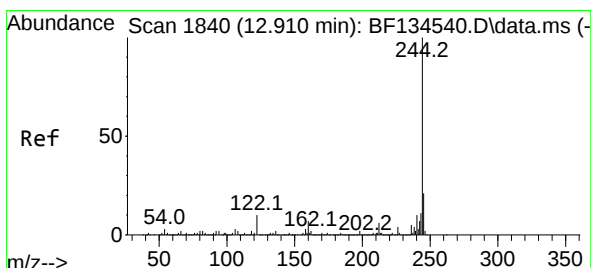
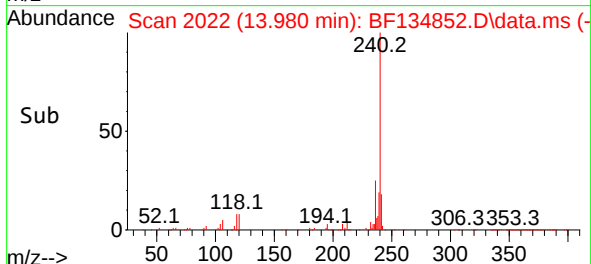
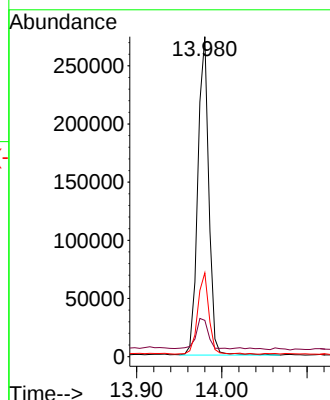
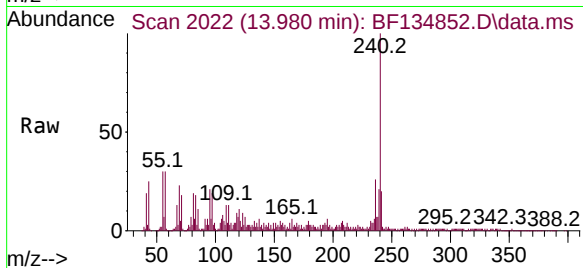
Tgt Ion:240 Resp: 245213

Ion Ratio Lower Upper

240 100

120 11.3 6.6 10.0#

236 26.2 20.2 30.2



#79

Terphenyl-d14

Concen: 51.676 ng

RT: 12.933 min Scan# 1844

Delta R.T. 0.012 min

Lab File: BF134852.D

Acq: 18 Aug 2023 21:24

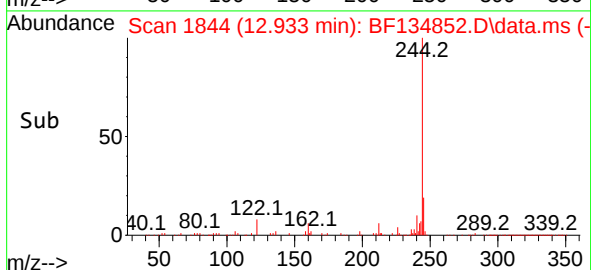
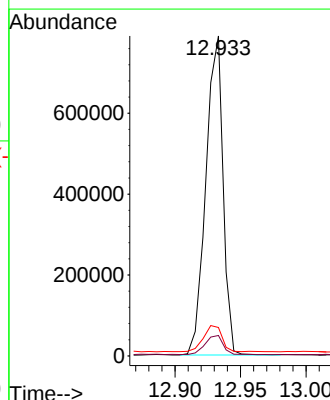
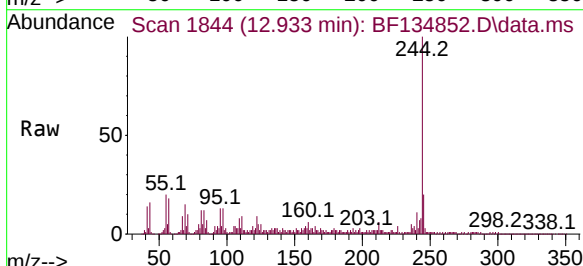
Tgt Ion:244 Resp: 718809

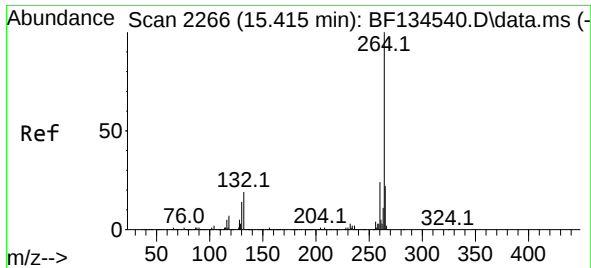
Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

122 8.9 8.0 12.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF134852.D
Acq: 18 Aug 2023 21:24

Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

Tgt Ion:264 Resp: 186108

Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.4	27.6
265	20.8	15.8	23.8

