

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071023\
 Data File : BF134202.D
 Acq On : 10 Jul 2023 23:48
 Operator : CG\JU
 Sample : 03401-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 11 02:02:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 10 18:49:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	94283	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	313825	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	98345	20.000	ng	0.02
64) Phenanthrene-d10	11.398	188	165177	20.000	ng	# 0.02
76) Chrysene-d12	14.045	240	187717	20.000	ng	0.00
86) Perylene-d12	15.545	264	136713	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	497721	88.306	ng	0.00
7) Phenol-d6	6.481	99	575205	82.983	ng	0.00
23) Nitrobenzene-d5	7.404	82	380405	65.342	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	97621	79.170	ng	0.01
45) 2-Fluorobiphenyl	9.210	172	426681	63.079	ng	0.00
79) Terphenyl-d14	12.986	244	494694	42.413	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	996	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	54788	12.464	ng	# 73
25) Isophorone	7.404	82	378692	35.791	ng	# 64
35) Caprolactam	8.575	113	4514	3.095	ng	# 1
36) 4-Chloro-3-methylphenol	8.680	107	12534	2.519	ng	# 21
43) 2,4,6-Trichlorophenol	9.122	196	4023	2.028	ng	# 13
48) 2-Nitroaniline	9.427	65	13876	6.596	ng	# 74
49) Acenaphthylene	9.763	152	25428	2.579	ng	# 1
51) 2,6-Dinitrotoluene	9.698	165	33620	21.865	ng	# 29
53) 3-Nitroaniline	9.851	138	29327	15.899	ng	# 19
54) 2,4-Dinitrophenol	9.945	184	1441	5.408	ng	# 1
56) 4-Nitrophenol	10.027	139	8375	6.491	ng	# 1
61) 4-Chlorophenyl-phenyle...	10.163	204	19504	5.818	ng	85
62) 4-Nitroaniline	10.363	138	36921	19.861	ng	79
63) Azobenzene	10.610	77	21045	2.991	ng	# 40
65) 4,6-Dinitro-2-methylph...	10.516	198	2001	2.222	ng	# 1
69) Atrazine	11.074	200	6769	4.637	ng	# 1
70) Pentachlorophenol	11.186	266	2755	2.472	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.015	149	33421	4.439	ng	# 90

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

Instrument :

BNA_F

ClientSampleId :

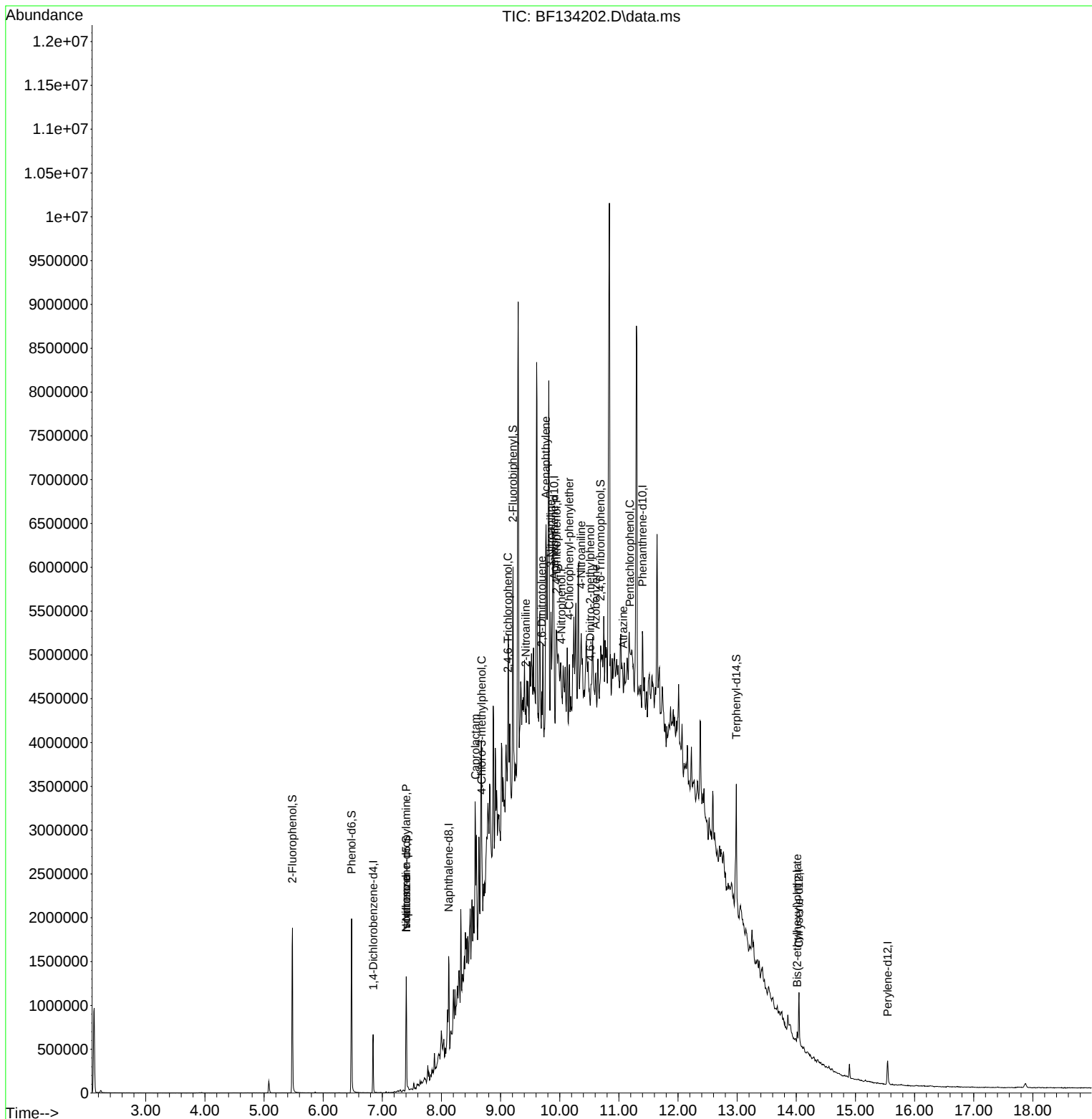
Quant Time: Jul 11 02:02:15 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jul 10 18:49:59 2023

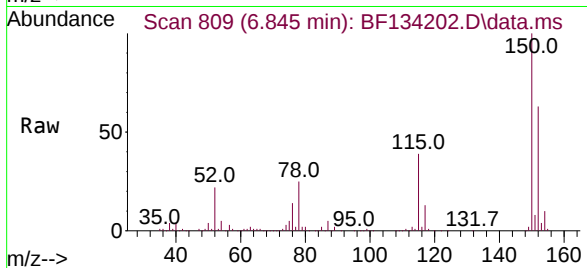
Response via : Initial Calibration



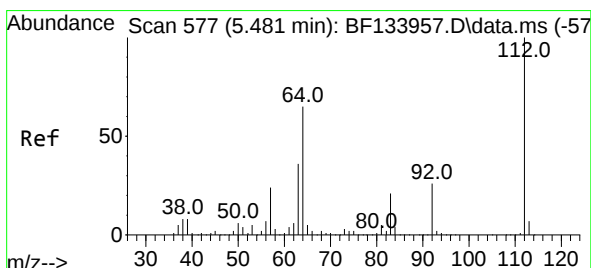
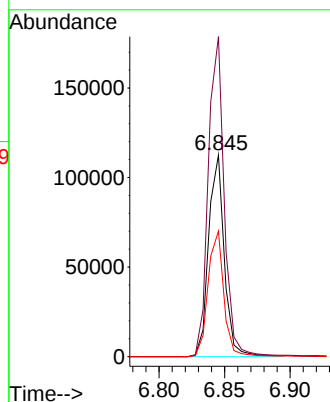
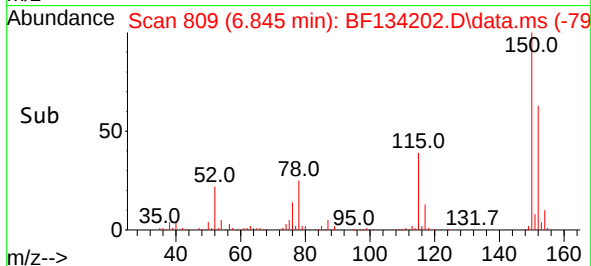


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

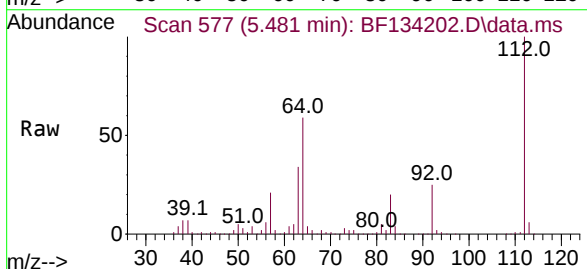
Instrument :
BNA_F
ClientSampleId :



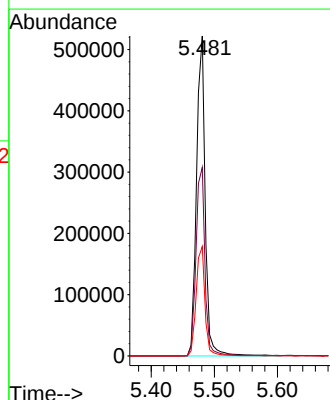
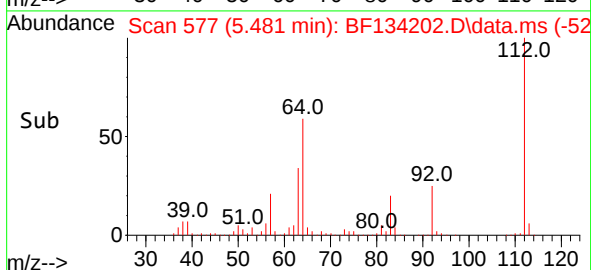
Tgt Ion:152 Resp: 94283
Ion Ratio Lower Upper
152 100
150 158.7 124.5 186.7
115 62.3 50.2 75.2



#5
2-Fluorophenol
Concen: 88.306 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48



Tgt Ion:112 Resp: 497721
Ion Ratio Lower Upper
112 100
64 58.9 52.1 78.1
63 34.2 28.6 42.8





#7

Phenol-d6

Concen: 82.983 ng

RT: 6.481 min Scan# 74

Delta R.T. -0.000 min

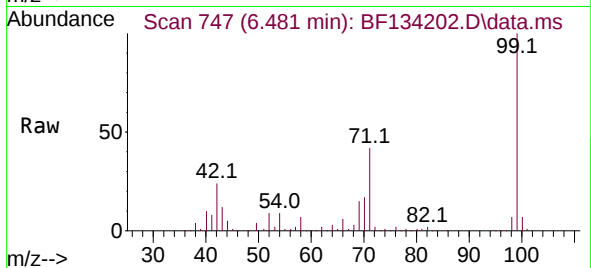
Lab File: BF134202.D

Acq: 10 Jul 2023 23:48

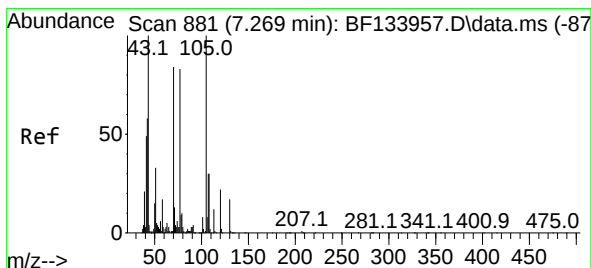
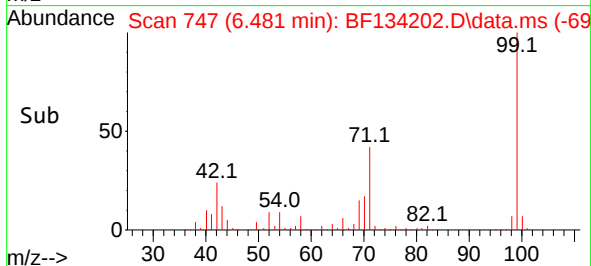
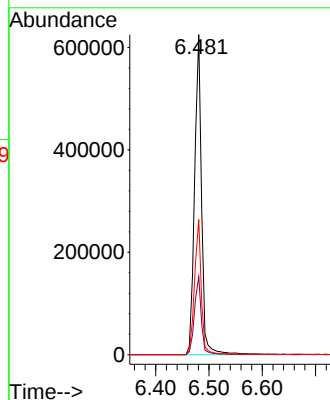
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	99	Resp:	575205
Ion	Ratio	Lower	Upper
99	100		
42	24.4	19.8	29.6
71	42.3	31.9	47.9



#19

n-Nitroso-di-n-propylamine

Concen: 12.464 ng

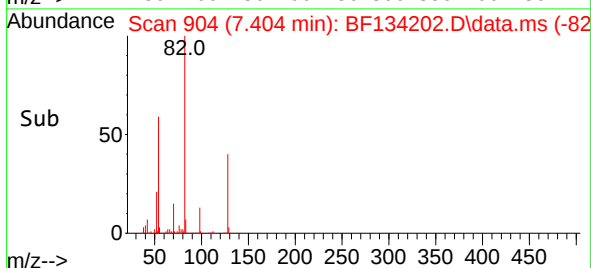
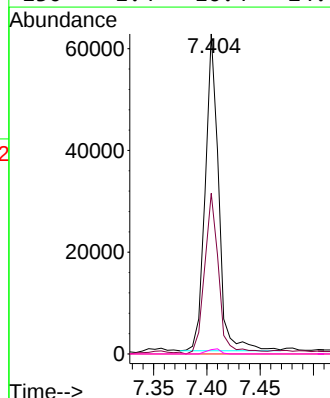
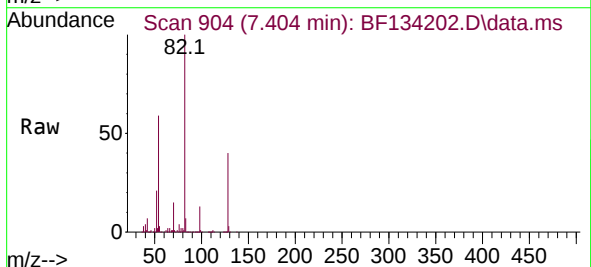
RT: 7.404 min Scan# 904

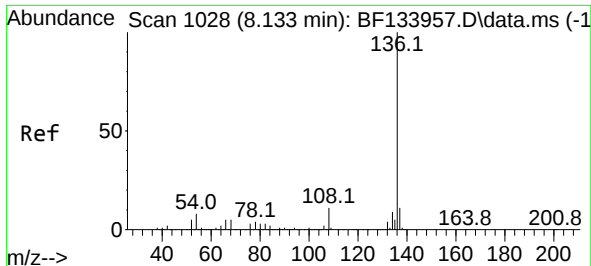
Delta R.T. 0.141 min

Lab File: BF134202.D

Acq: 10 Jul 2023 23:48

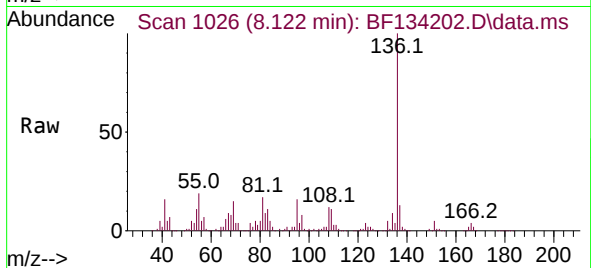
Tgt Ion:	70	Resp:	54788
Ion	Ratio	Lower	Upper
70	100		
42	50.2	54.7	82.1#
101	0.0	7.7	11.5#
130	1.4	16.4	24.6#



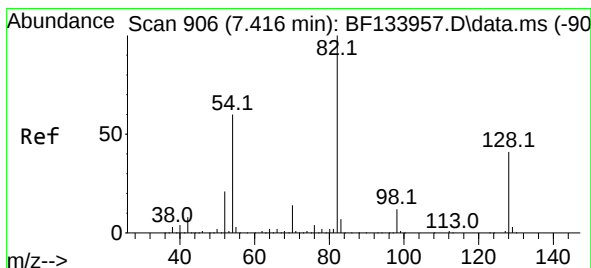
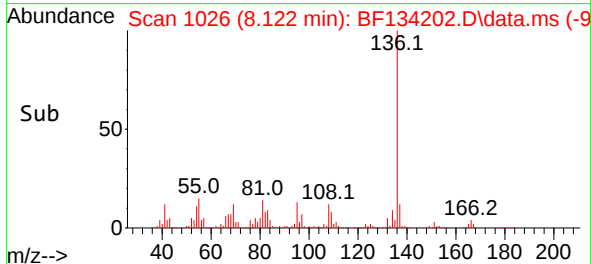
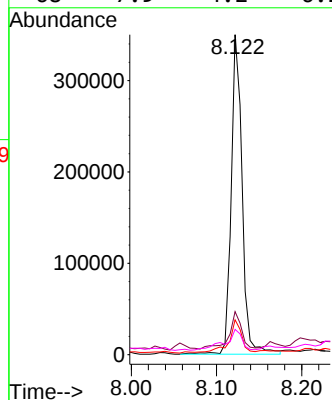


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

Instrument :
BNA_F
ClientSampleId :

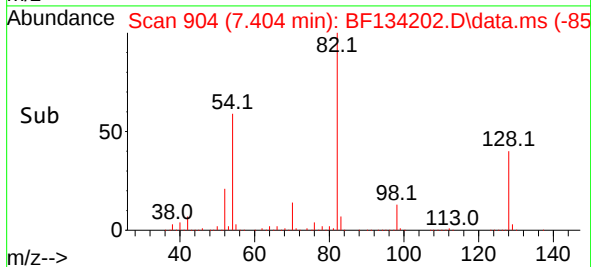
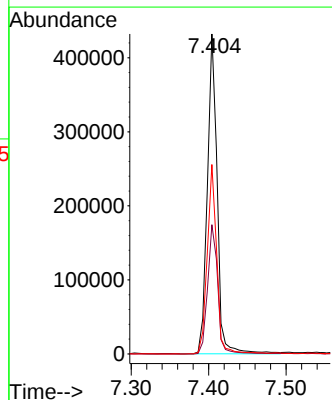
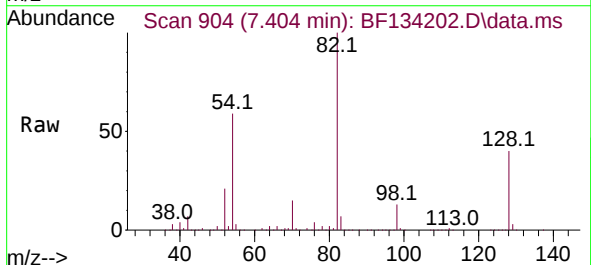


Tgt Ion:136 Resp: 313825
Ion Ratio Lower Upper
136 100
137 13.5 8.6 12.8#
54 10.9 6.5 9.7#
68 7.9 4.2 6.2#



#23
Nitrobenzene-d5
Concen: 65.342 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

Tgt Ion: 82 Resp: 380405
Ion Ratio Lower Upper
82 100
128 40.4 32.5 48.7
54 59.2 48.2 72.2

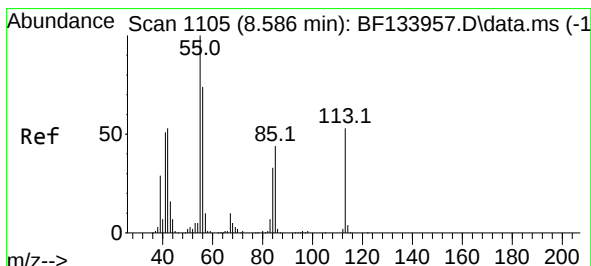
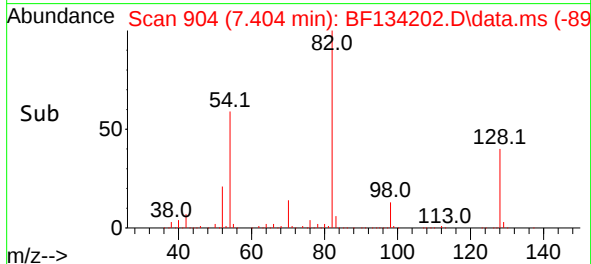
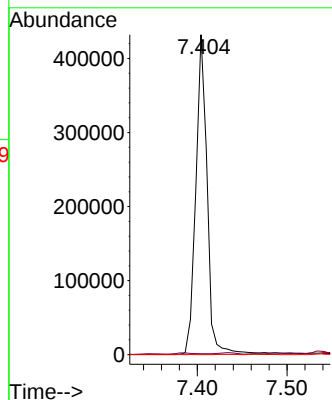
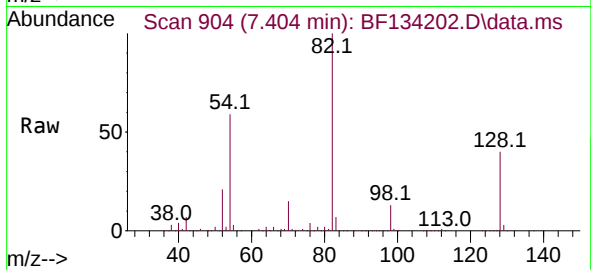




#25
Isophorone
Concen: 35.791 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

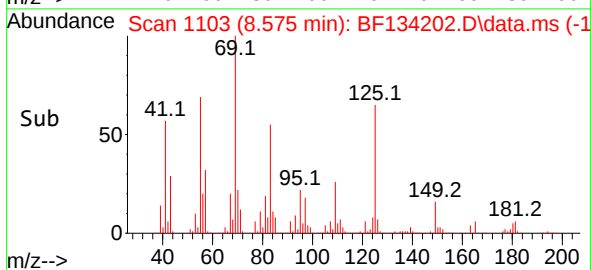
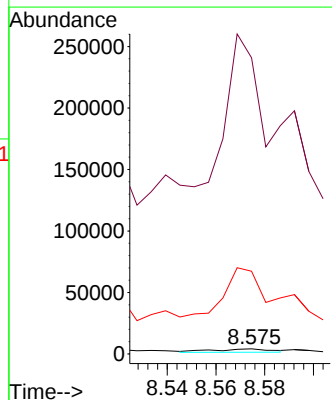
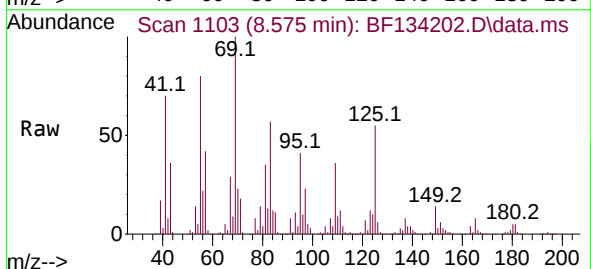
Instrument :
BNA_F
ClientSampleId :

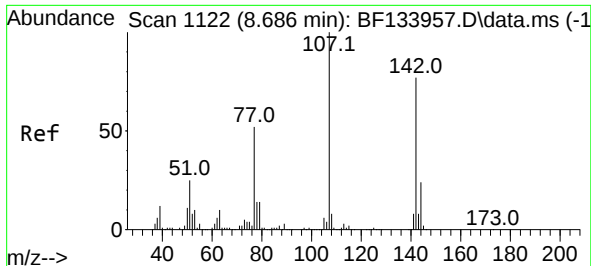
Tgt Ion: 82 Resp: 378692
Ion Ratio Lower Upper
82 100
95 0.3 6.1 9.1#
138 0.0 15.2 22.8#



#35
Caprolactam
Concen: 3.095 ng
RT: 8.575 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

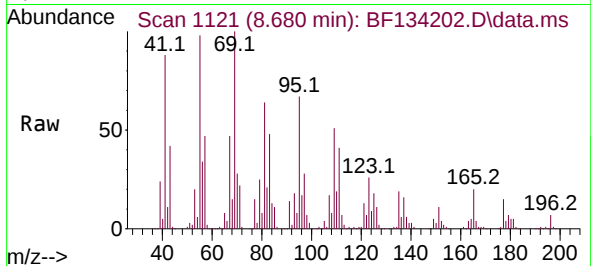
Tgt Ion: 113 Resp: 4514
Ion Ratio Lower Upper
113 100
55 5827.2 170.2 210.2#
56 1626.7 121.4 161.4#



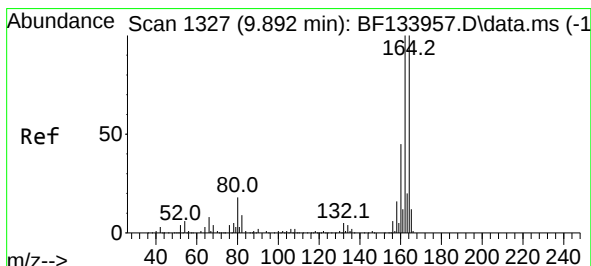
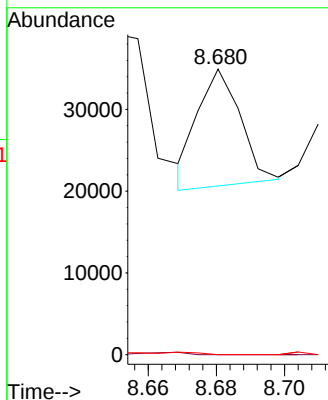
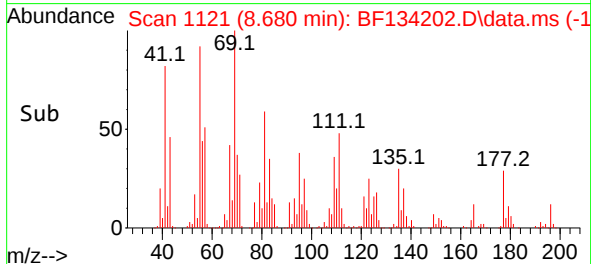


#36
4-Chloro-3-methylphenol
Concen: 2.519 ng
RT: 8.680 min Scan# 1122
Delta R.T. -0.000 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

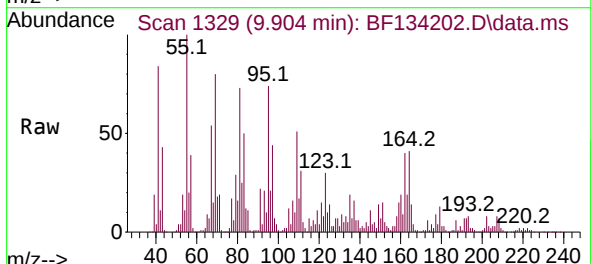
Instrument :
BNA_F
ClientSampleId :



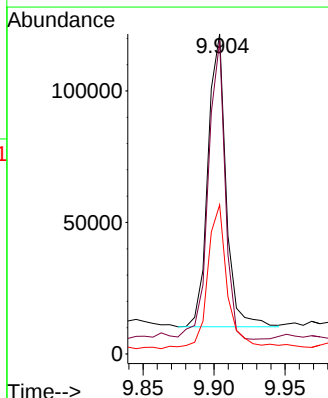
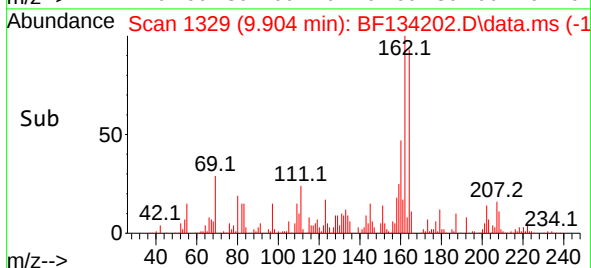
Tgt Ion:107 Resp: 12534
Ion Ratio Lower Upper
107 100
144 0.0 19.6 29.4#
142 0.0 61.4 92.2#

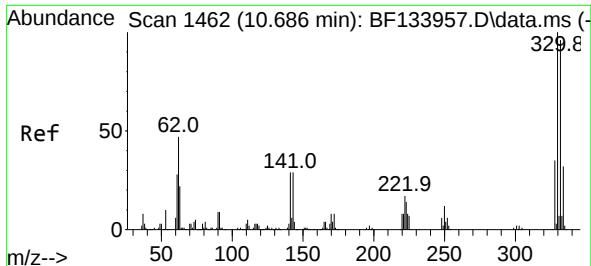


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.017 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48



Tgt Ion:164 Resp: 98345
Ion Ratio Lower Upper
164 100
162 97.9 80.0 120.0
160 46.6 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 79.170 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.012 min

Lab File: BF134202.D

Acq: 10 Jul 2023 23:48

Instrument :

BNA_F

ClientSampleId :

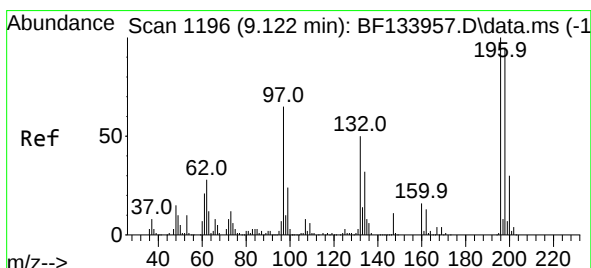
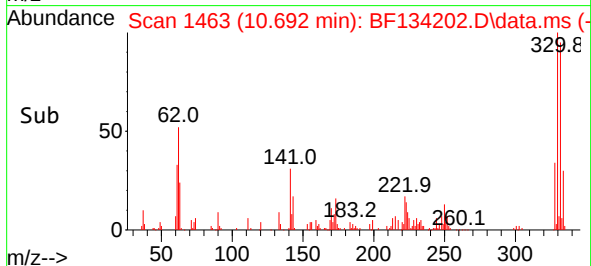
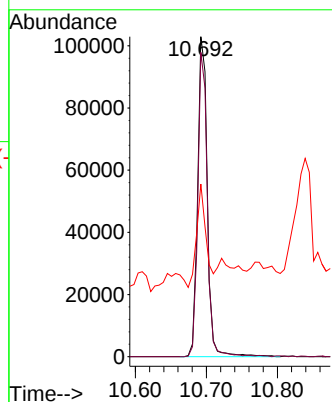
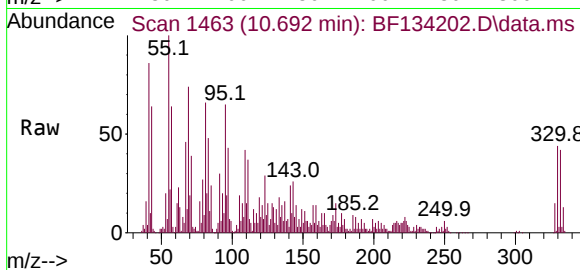
Tgt Ion:330 Resp: 97621

Ion Ratio Lower Upper

330 100

332 93.2 77.0 115.6

141 31.2 26.3 39.5



#43

2,4,6-Trichlorophenol

Concen: 2.028 ng

RT: 9.122 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF134202.D

Acq: 10 Jul 2023 23:48

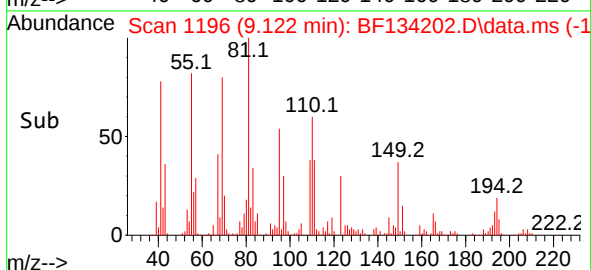
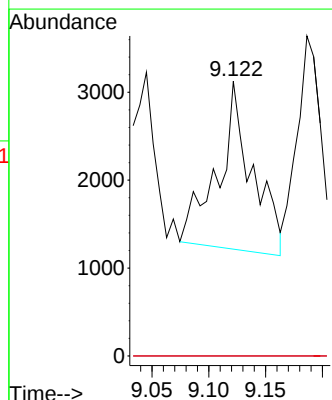
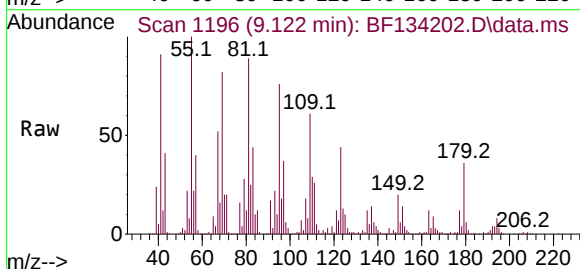
Tgt Ion:196 Resp: 4023

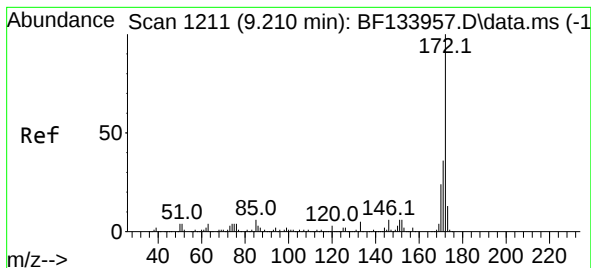
Ion Ratio Lower Upper

196 100

198 0.0 75.6 113.4#

200 0.0 24.4 36.6#





#45

2-Fluorobiphenyl

Concen: 63.079 ng

RT: 9.210 min Scan# 1211

Delta R.T. 0.006 min

Lab File: BF134202.D

Acq: 10 Jul 2023 23:48

Instrument :

BNA_F

ClientSampleId :

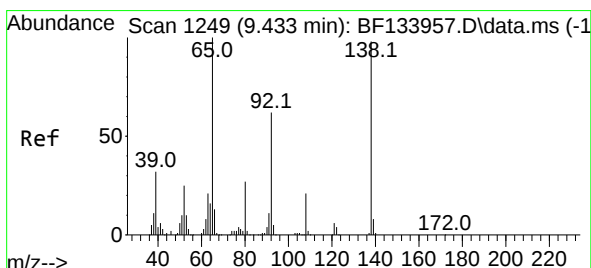
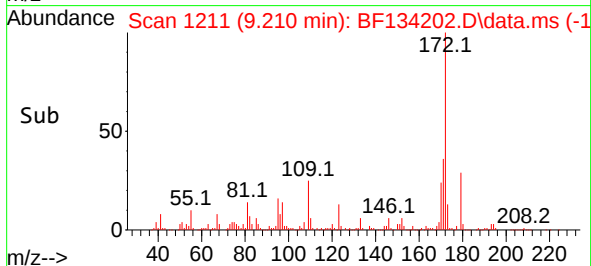
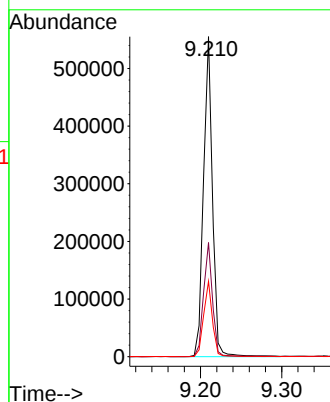
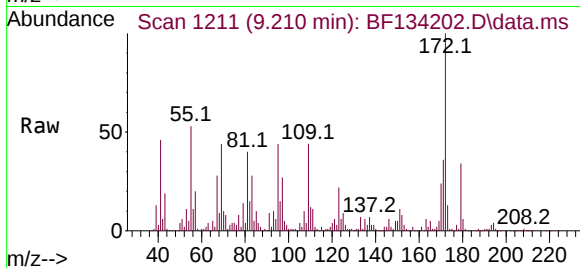
Tgt Ion:172 Resp: 426681

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 23.6 19.4 29.0



#48

2-Nitroaniline

Concen: 6.596 ng

RT: 9.427 min Scan# 1248

Delta R.T. -0.006 min

Lab File: BF134202.D

Acq: 10 Jul 2023 23:48

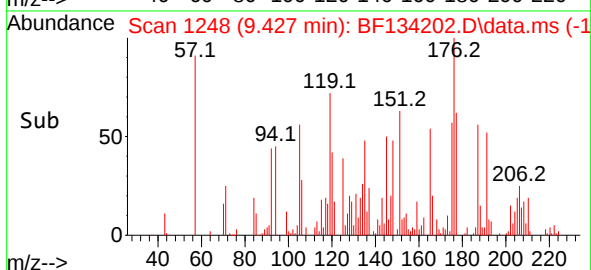
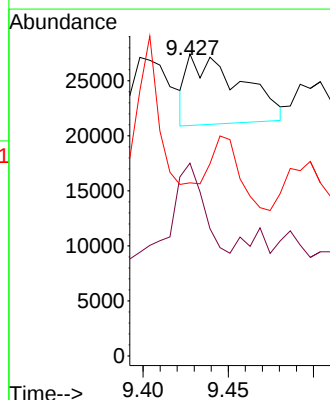
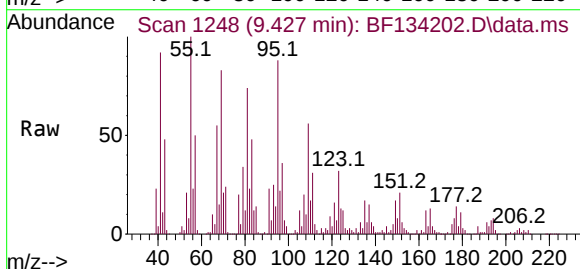
Tgt Ion: 65 Resp: 13876

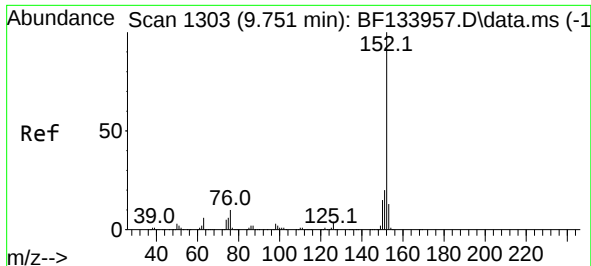
Ion Ratio Lower Upper

65 100

92 63.8 49.5 74.3

138 57.4 78.0 117.0#

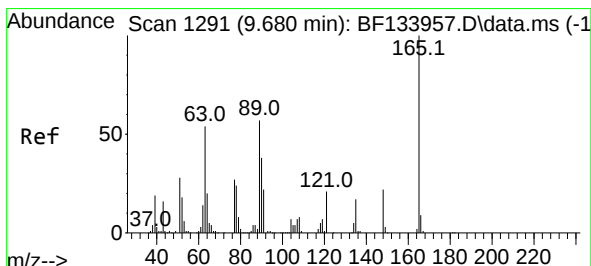
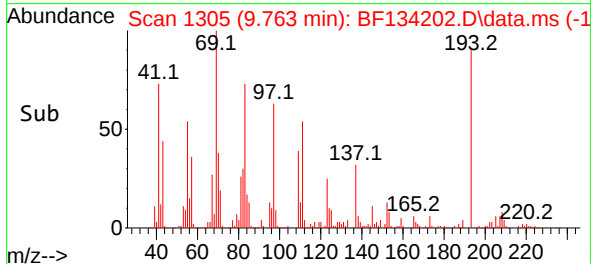
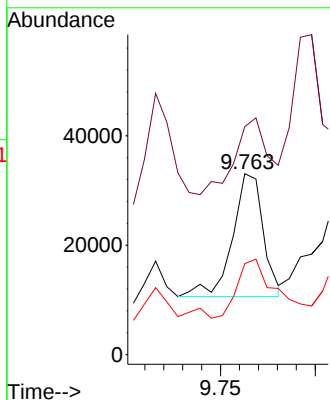
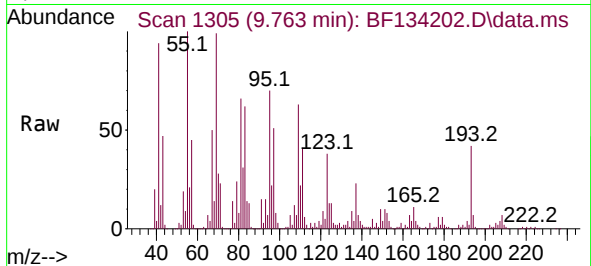




#49
Acenaphthylene
Concen: 2.579 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

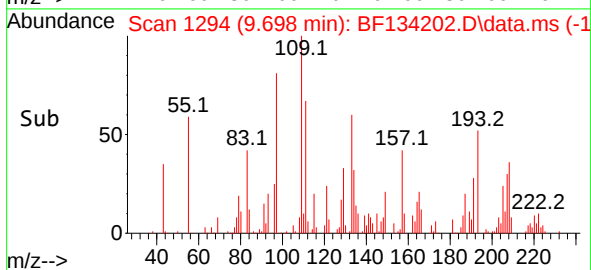
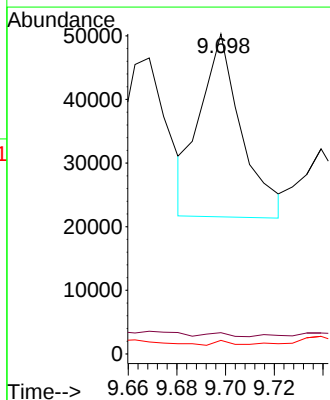
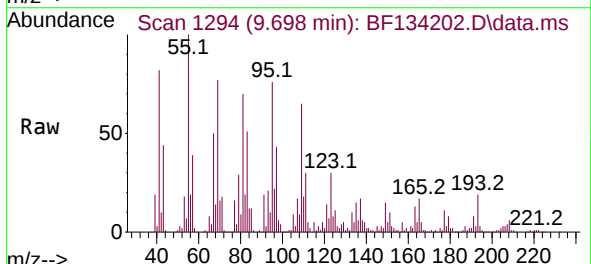
Instrument :
BNA_F
ClientSampleId :

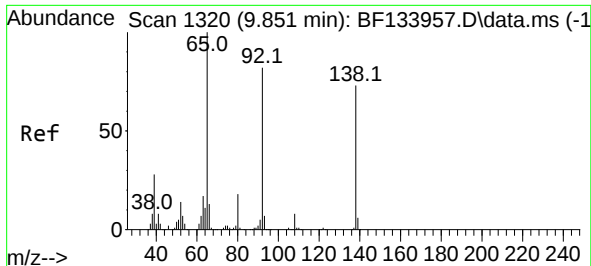
Tgt Ion:152 Resp: 25428
Ion Ratio Lower Upper
152 100
151 126.0 16.2 24.2#
153 50.3 10.8 16.2#



#51
2,6-Dinitrotoluene
Concen: 21.865 ng
RT: 9.698 min Scan# 1294
Delta R.T. 0.023 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

Tgt Ion:165 Resp: 33620
Ion Ratio Lower Upper
165 100
63 6.6 48.5 72.7#
89 4.2 45.5 68.3#

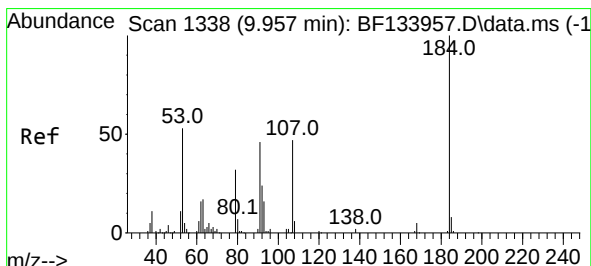
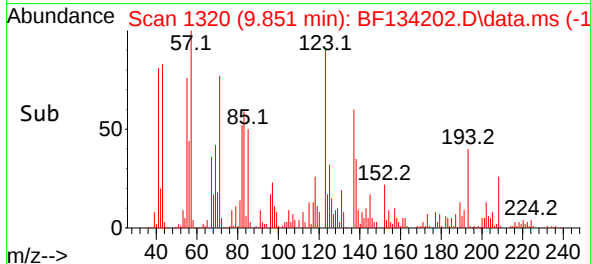
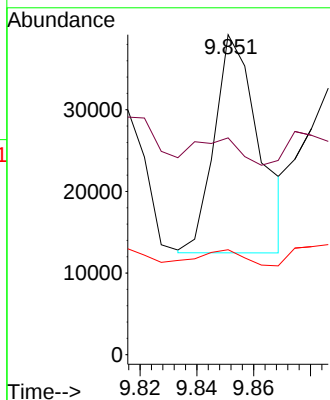
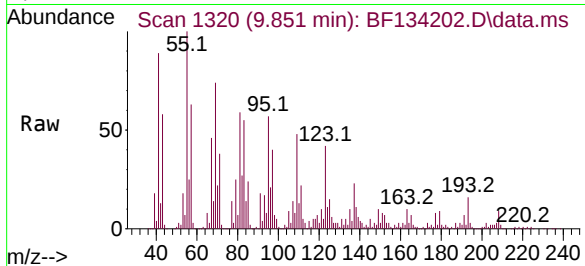




#53
3-Nitroaniline
Concen: 15.899 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

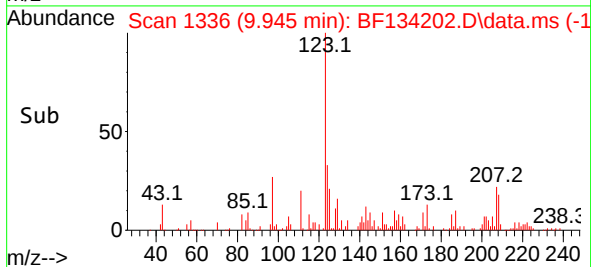
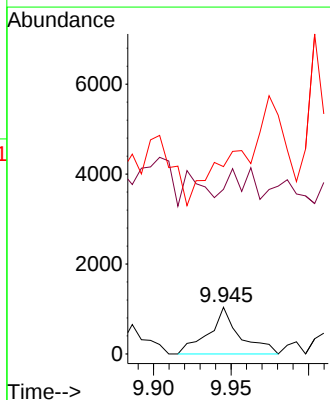
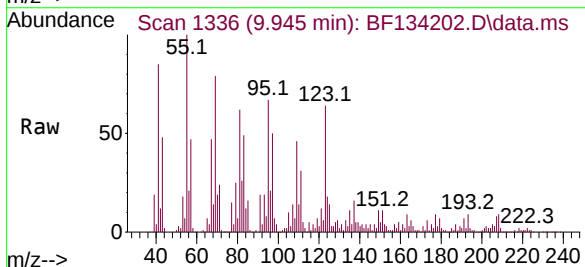
Instrument :
BNA_F
ClientSampleId :

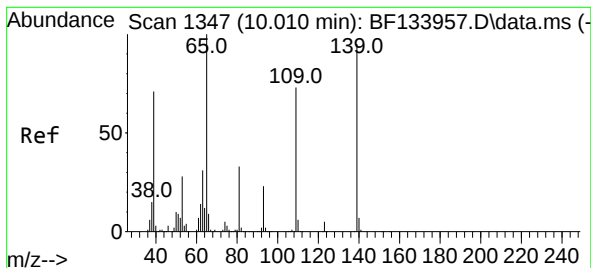
Tgt Ion:138 Resp: 29327
Ion Ratio Lower Upper
138 100
108 67.8 8.4 12.6#
92 32.8 90.1 135.1#



#54
2,4-Dinitrophenol
Concen: 5.408 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

Tgt Ion:184 Resp: 1441
Ion Ratio Lower Upper
184 100
63 352.9 56.9 85.3#
154 401.5 55.4 83.0#

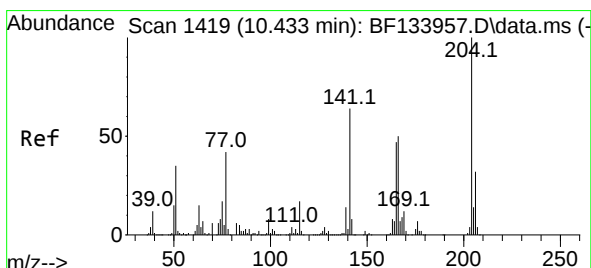
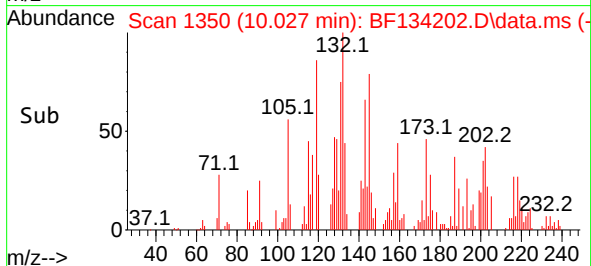
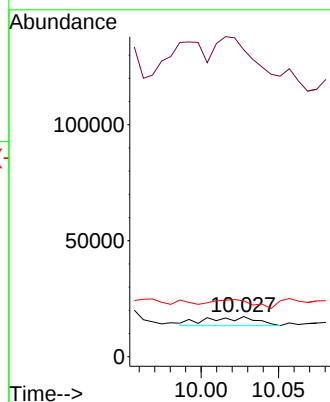
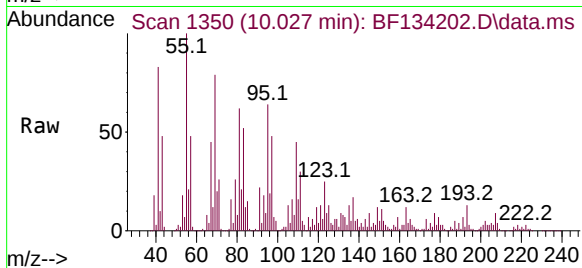




#56
4-Nitrophenol
Concen: 6.491 ng
RT: 10.027 min Scan# 1347
Delta R.T. 0.017 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

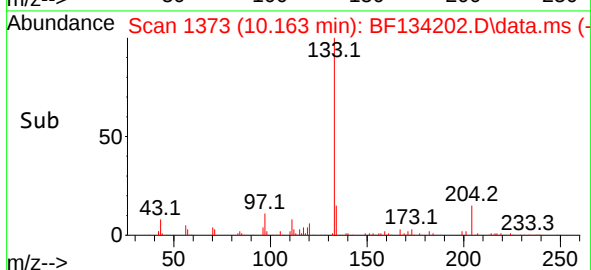
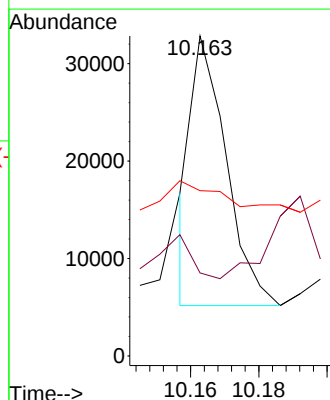
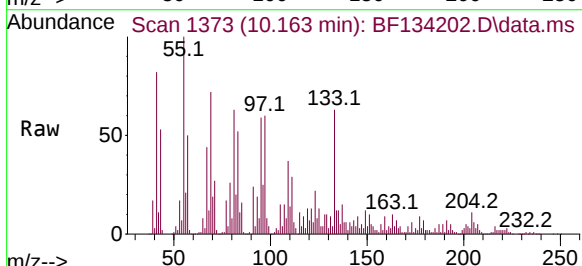
Instrument :
BNA_F
ClientSampleId :

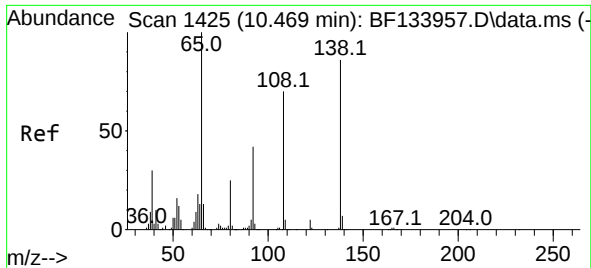
Tgt Ion:139 Resp: 8375
Ion Ratio Lower Upper
139 100
109 764.5 56.8 96.8#
65 139.0 86.1 126.1#



#61
4-Chlorophenyl-phenylether
Concen: 5.818 ng
RT: 10.163 min Scan# 1373
Delta R.T. -0.265 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

Tgt Ion:204 Resp: 19504
Ion Ratio Lower Upper
204 100
206 25.9 25.8 38.6
141 51.6 51.5 77.3

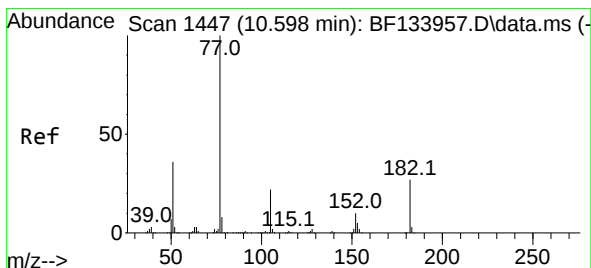
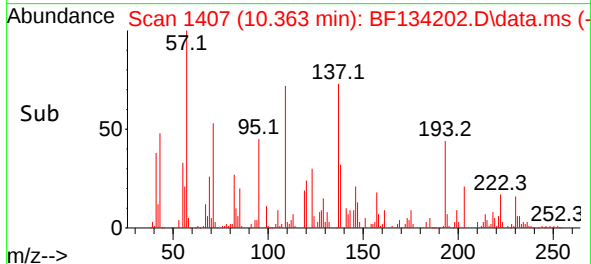
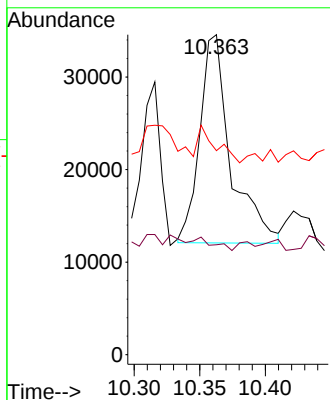
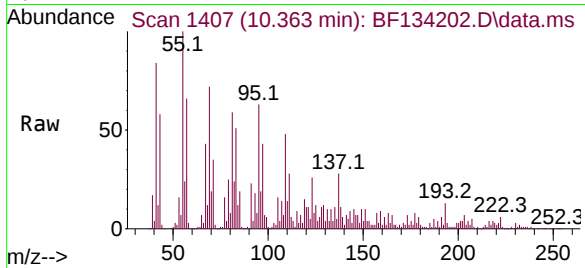




#62
4-Nitroaniline
Concen: 19.861 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.100 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

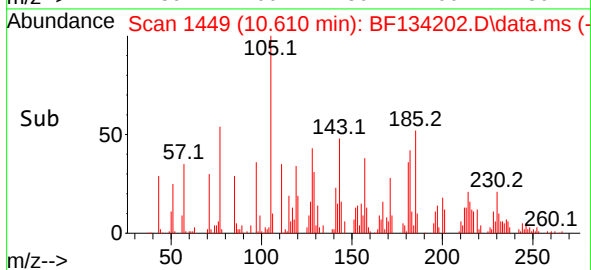
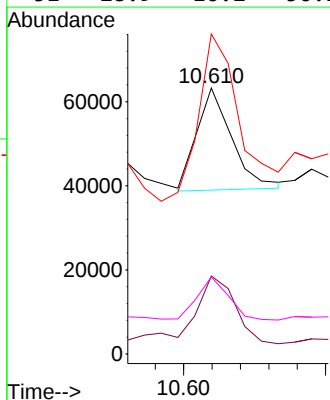
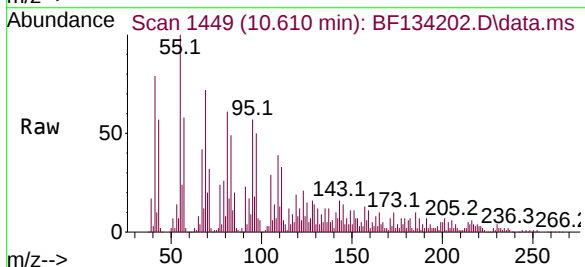
Instrument :
BNA_F
ClientSampleId :

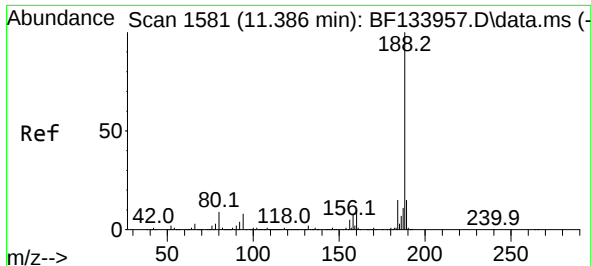
Tgt Ion:138 Resp: 36921
Ion Ratio Lower Upper
138 100
92 34.4 29.7 69.7
108 63.8 62.1 102.1



#63
Azobenzene
Concen: 2.991 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.017 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

Tgt Ion: 77 Resp: 21045
Ion Ratio Lower Upper
77 100
182 29.3 6.8 46.8
105 120.4 2.3 42.3#
51 28.9 16.2 56.2

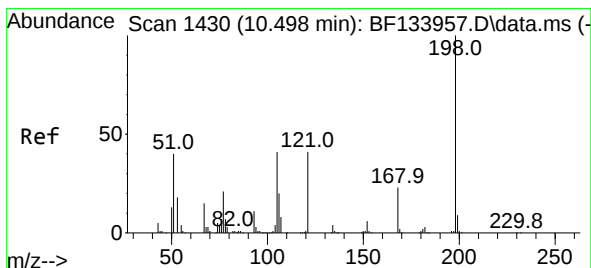
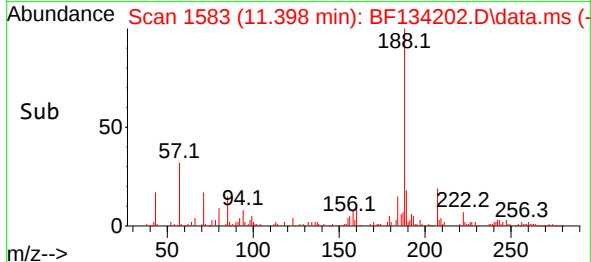
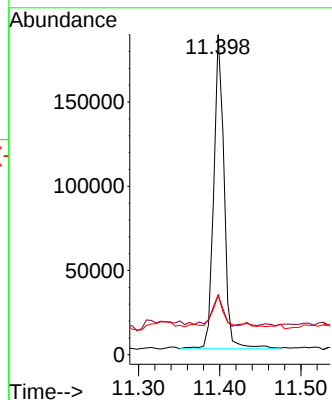
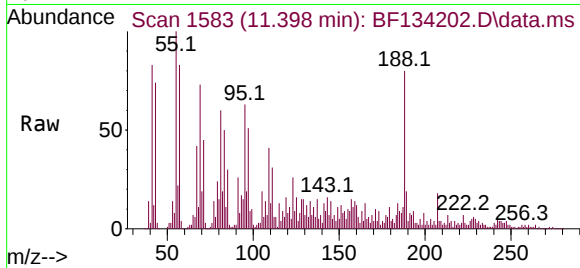




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. 0.017 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

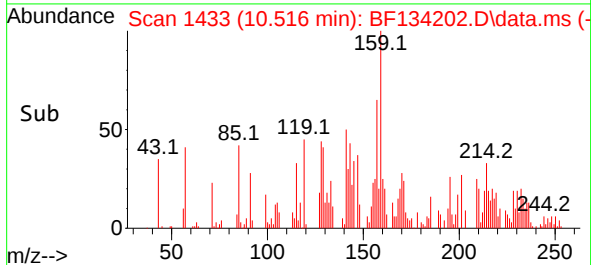
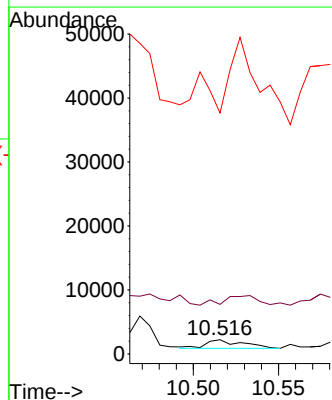
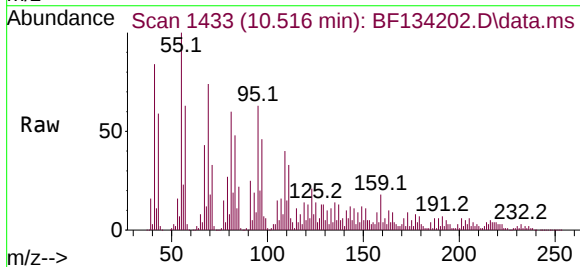
Instrument :
BNA_F
ClientSampleId :

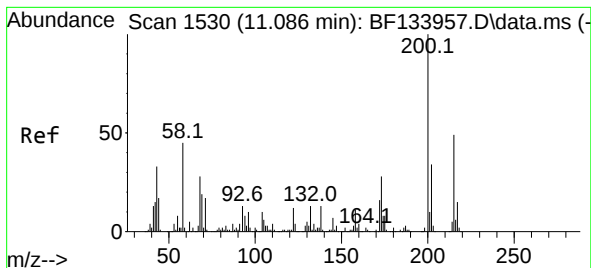
Tgt Ion:188 Resp: 165177
Ion Ratio Lower Upper
188 100
94 18.7 6.4 9.6#
80 18.6 7.3 10.9#



#65
4,6-Dinitro-2-methylphenol
Concen: 2.222 ng
RT: 10.516 min Scan# 1433
Delta R.T. 0.023 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

Tgt Ion:198 Resp: 2001
Ion Ratio Lower Upper
198 100
51 348.5 29.3 69.3#
105 1693.9 22.4 62.4#





#69

Atrazine

Concen: 4.637 ng

RT: 11.074 min Scan# 1528

Delta R.T. -0.006 min

Lab File: BF134202.D

Acq: 10 Jul 2023 23:48

Instrument :

BNA_F

ClientSampleId :

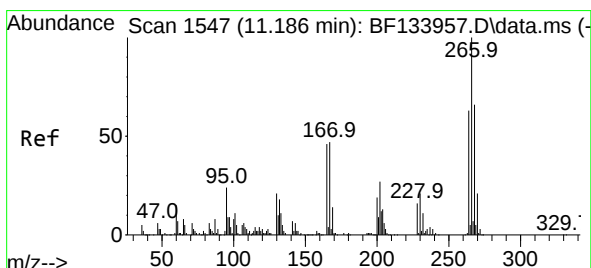
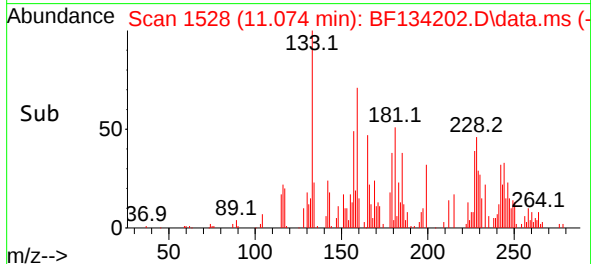
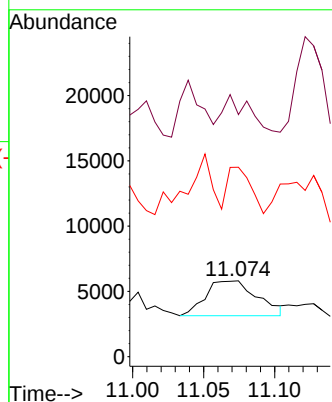
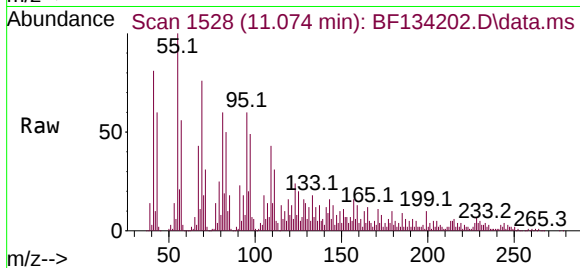
Tgt Ion:200 Resp: 6769

Ion Ratio Lower Upper

200 100

173 319.0 8.0 48.0#

215 249.6 29.3 69.3#



#70

Pentachlorophenol

Concen: 2.472 ng

RT: 11.186 min Scan# 1547

Delta R.T. -0.000 min

Lab File: BF134202.D

Acq: 10 Jul 2023 23:48

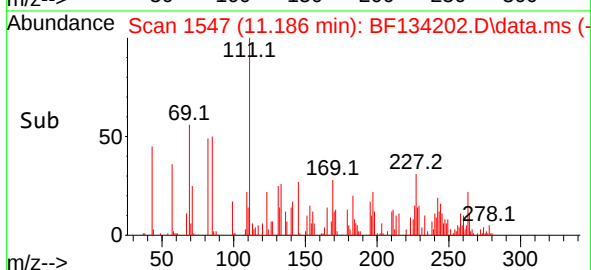
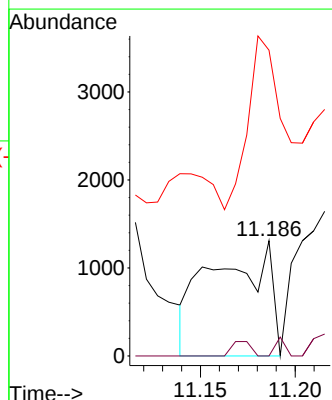
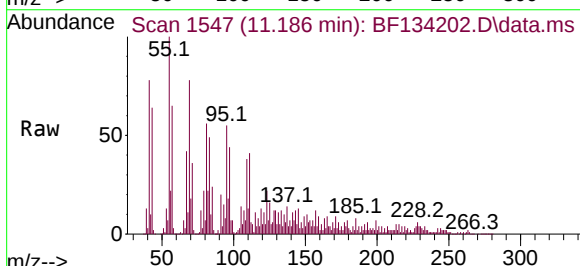
Tgt Ion:266 Resp: 2755

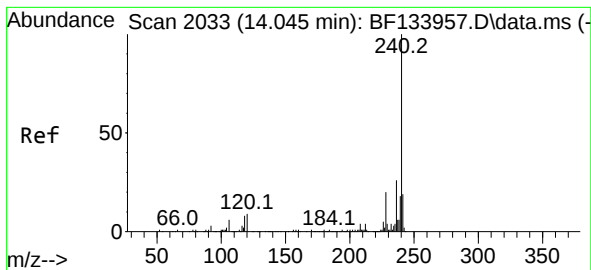
Ion Ratio Lower Upper

266 100

268 0.0 52.6 79.0#

264 265.3 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: BF134202.D

Acq: 10 Jul 2023 23:48

Instrument :

BNA_F

ClientSampleId :

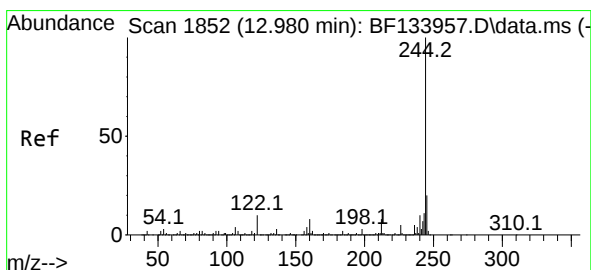
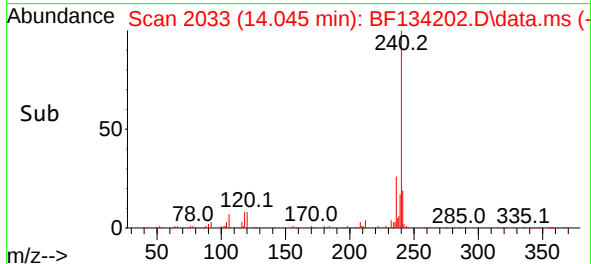
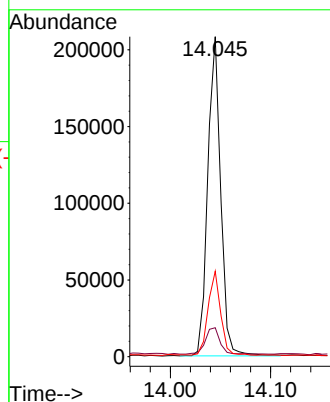
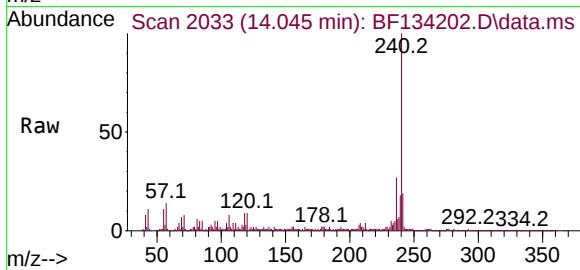
Tgt Ion:240 Resp: 187717

Ion Ratio Lower Upper

240 100

120 9.0 7.4 11.0

236 26.7 21.0 31.6



#79

Terphenyl-d14

Concen: 42.413 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.012 min

Lab File: BF134202.D

Acq: 10 Jul 2023 23:48

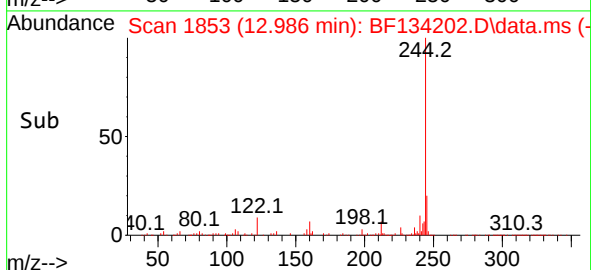
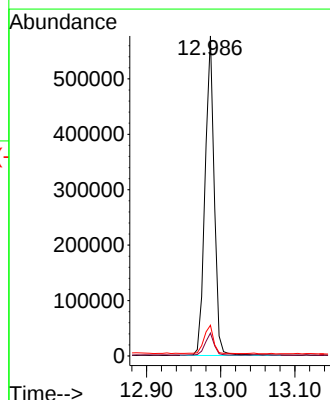
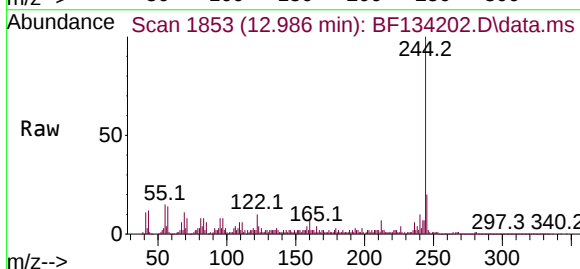
Tgt Ion:244 Resp: 494694

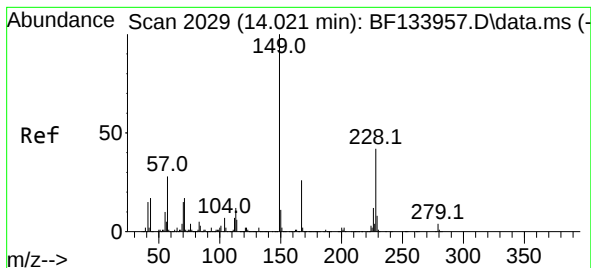
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.6 8.3 12.5

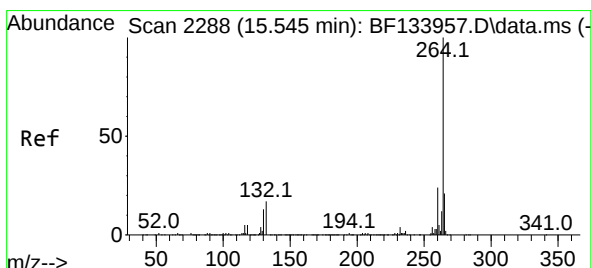
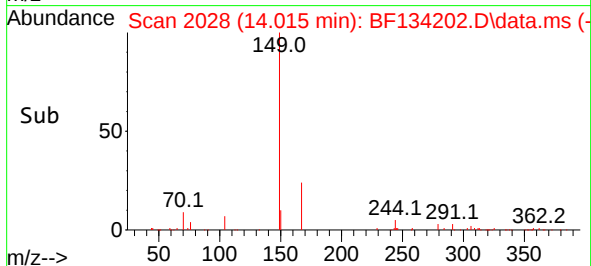
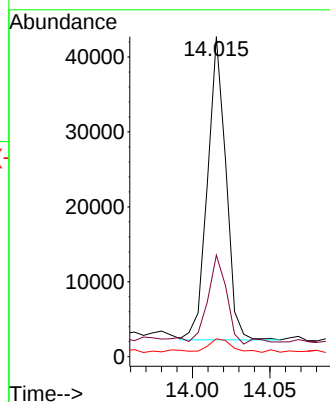
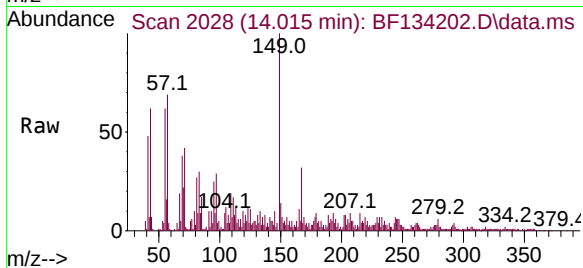




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.439 ng
RT: 14.015 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:149 Resp: 33421
Ion Ratio Lower Upper
149 100
167 31.8 21.0 31.4#
279 5.6 3.3 4.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.000 min
Lab File: BF134202.D
Acq: 10 Jul 2023 23:48

Tgt Ion:264 Resp: 136713
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 20.9 16.6 25.0

