

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071923\
 Data File : BF134370.D
 Acq On : 19 Jul 2023 21:24
 Operator : CG\JU
 Sample : 03687-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 00:46:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

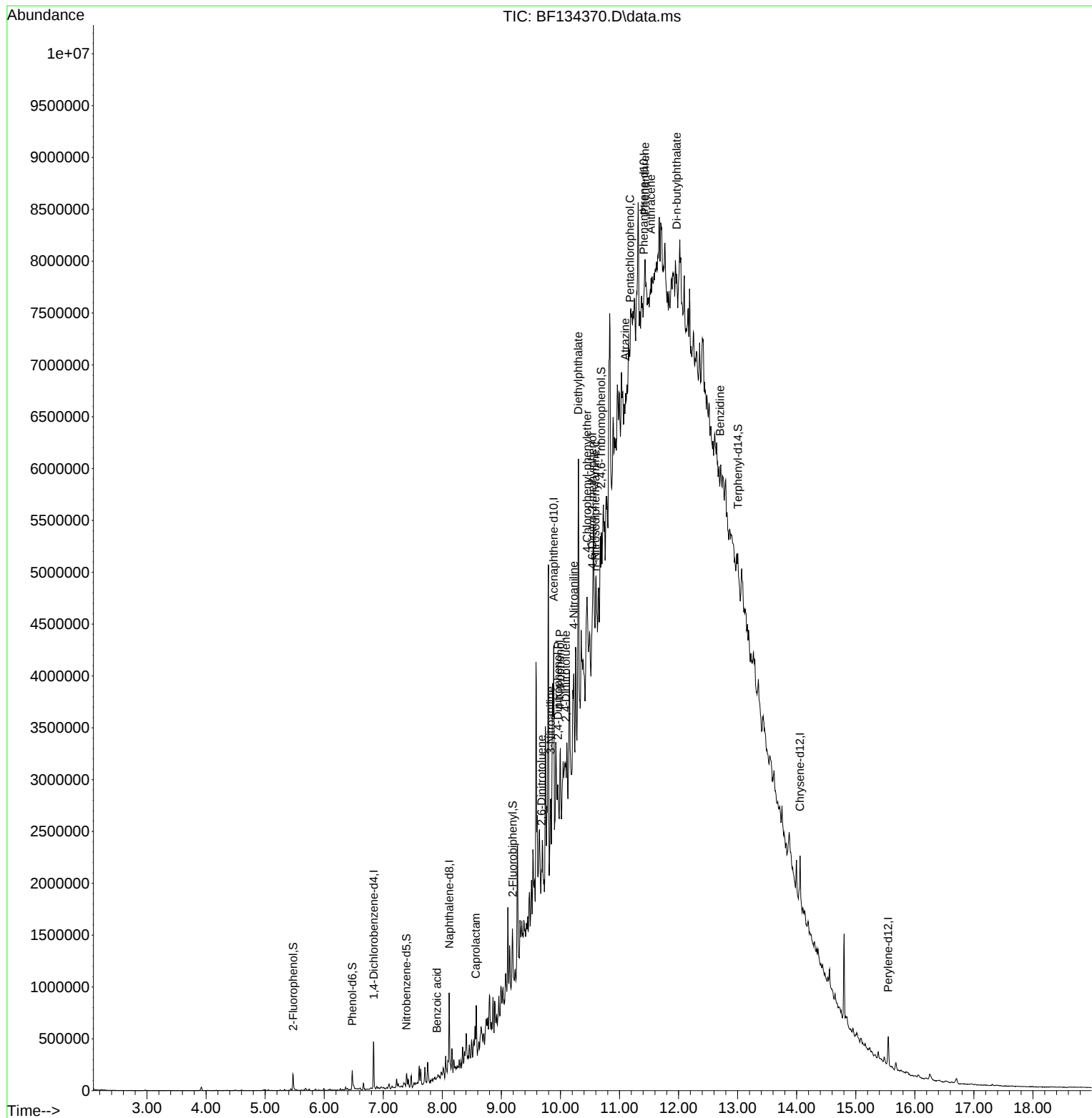
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	69718	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	241717	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	102216	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	135750	20.000	ng	# 0.04
76) Chrysene-d12	14.057	240	138580	20.000	ng	# 0.02
86) Perylene-d12	15.551	264	123814	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	49193	11.803	ng	0.00
7) Phenol-d6	6.475	99	59291	11.568	ng	-0.01
23) Nitrobenzene-d5	7.392	82	36683	8.181	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	13958	10.891	ng	0.01
45) 2-Fluorobiphenyl	9.192	172	69482	9.883	ng	-0.01
79) Terphenyl-d14	13.004	244	63695	7.397	ng	0.03
Target Compounds						
9) Benzaldehyde	6.392	77	2683	Below Cal		Qvalue # 42
32) Benzoic acid	7.910	122	5167	2.004	ng	# 43
35) Caprolactam	8.569	113	2679	2.385	ng	# 1
51) 2,6-Dinitrotoluene	9.680	165	14204	8.888	ng	# 32
53) 3-Nitroaniline	9.833	138	21331	11.126	ng	# 20
54) 2,4-Dinitrophenol	9.957	184	456	4.334	ng	# 1
56) 4-Nitrophenol	9.992	139	8906	6.641	ng	# 1
57) 2,4-Dinitrotoluene	10.092	165	9462	4.483	ng	# 51
60) Diethylphthalate	10.304	149	25747	3.331	ng	# 31
61) 4-Chlorophenyl-phenyle...	10.451	204	13413	3.849	ng	# 3
62) 4-Nitroaniline	10.227	138	15946	8.253	ng	90
65) 4,6-Dinitro-2-methylph...	10.539	198	2532	3.421	ng	# 1
66) n-Nitrosodiphenylamine	10.592	169	18213	4.199	ng	# 45
69) Atrazine	11.098	200	3656	3.047	ng	# 1
70) Pentachlorophenol	11.180	266	1904	2.079	ng	# 1
71) Phenanthrene	11.433	178	78685	11.514	ng	# 47
72) Anthracene	11.533	178	17608	2.477	ng	# 1
74) Di-n-butylphthalate	11.968	149	57304	7.407	ng	# 38
77) Benzidine	12.704	184	7706	2.337	ng	# 1

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

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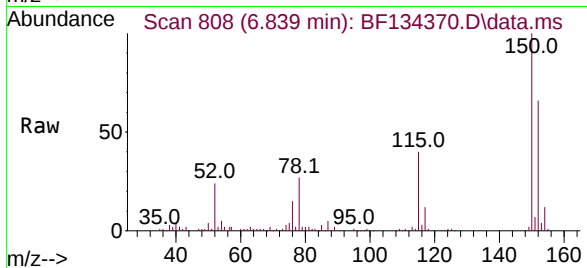
Quant Time: Jul 20 00:46:01 2023
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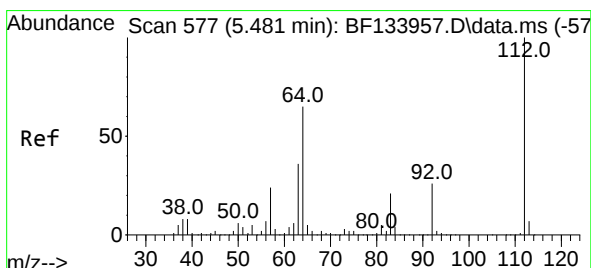
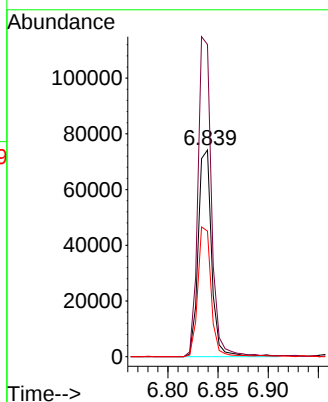
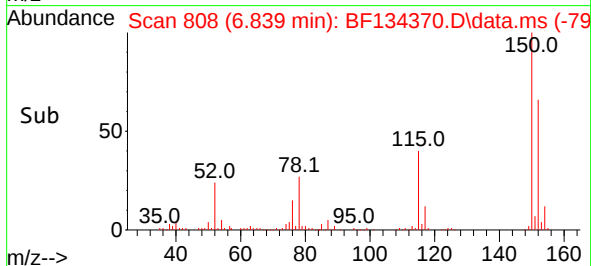


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

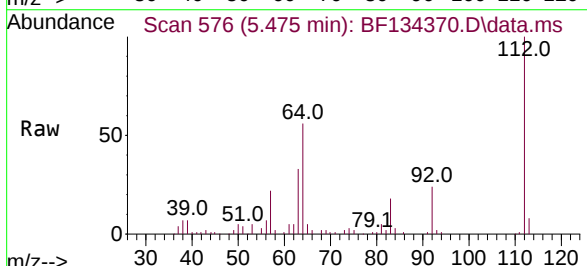
Instrument :
BNA_F
ClientSampleId :



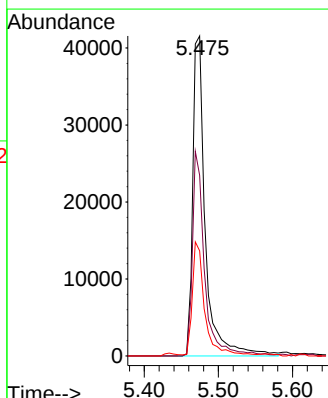
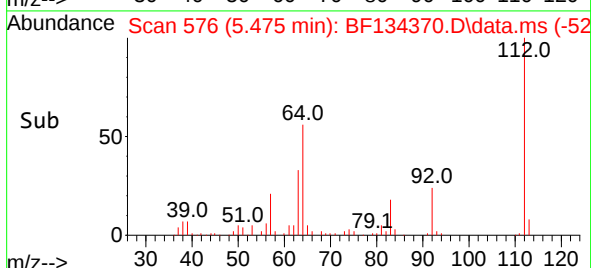
Tgt Ion:152 Resp: 69718
Ion Ratio Lower Upper
152 100
150 151.0 124.5 186.7
115 60.8 50.2 75.2

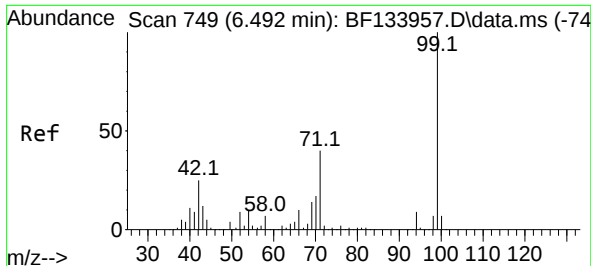


#5
2-Fluorophenol
Concen: 11.803 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24



Tgt Ion:112 Resp: 49193
Ion Ratio Lower Upper
112 100
64 56.4 52.1 78.1
63 32.9 28.6 42.8

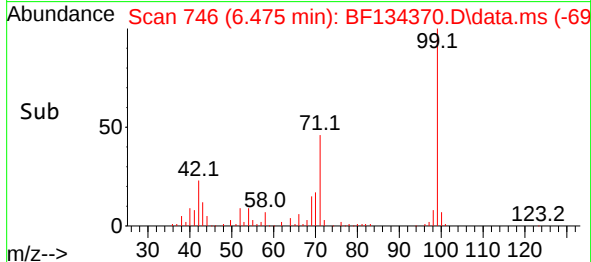
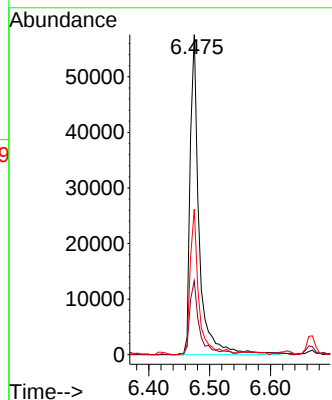
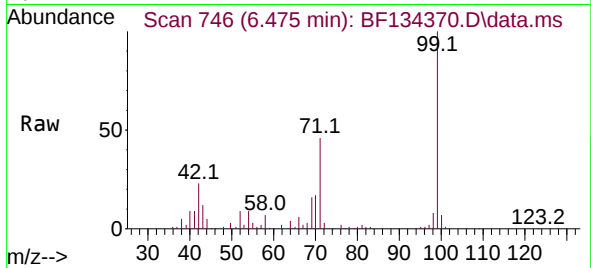




#7
Phenol-d6
Concen: 11.568 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

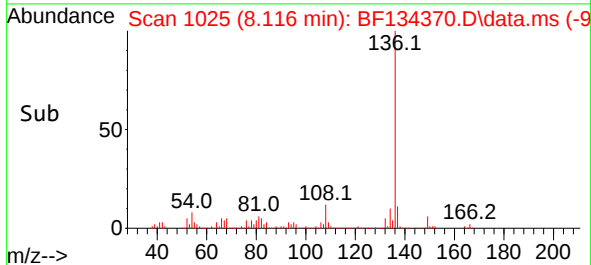
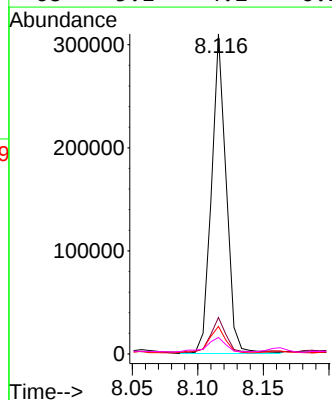
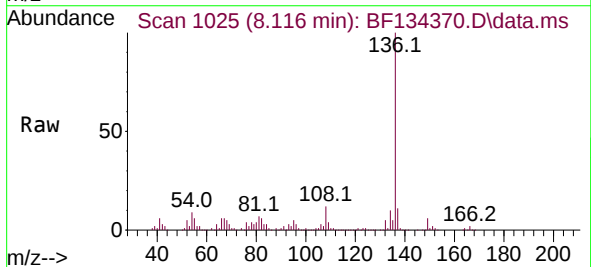
Instrument :
BNA_F
ClientSampleId :

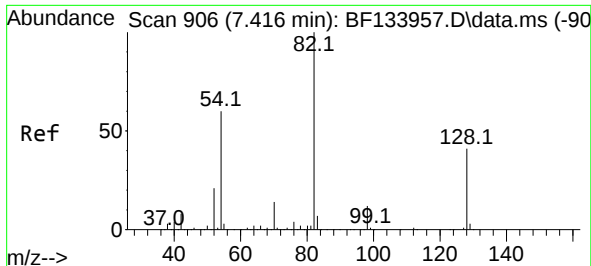
Tgt Ion: 99 Resp: 59291
Ion Ratio Lower Upper
99 100
42 23.1 19.8 29.6
71 45.5 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

Tgt Ion: 136 Resp: 241717
Ion Ratio Lower Upper
136 100
137 11.4 8.6 12.8
54 8.6 6.5 9.7
68 5.1 4.2 6.2





#23

Nitrobenzene-d5

Concen: 8.181 ng

RT: 7.392 min Scan# 90

Delta R.T. -0.018 min

Lab File: BF134370.D

Acq: 19 Jul 2023 21:24

Instrument :

BNA_F

ClientSampleId :

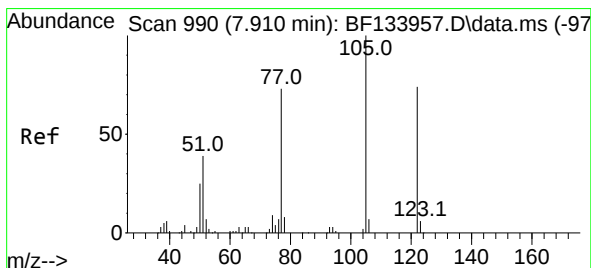
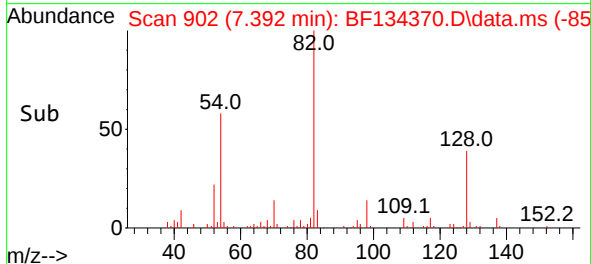
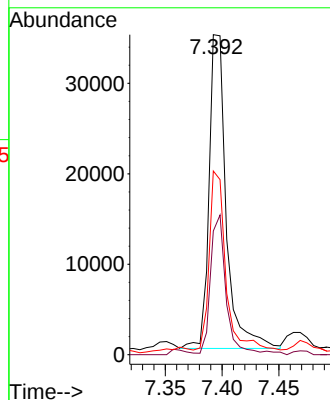
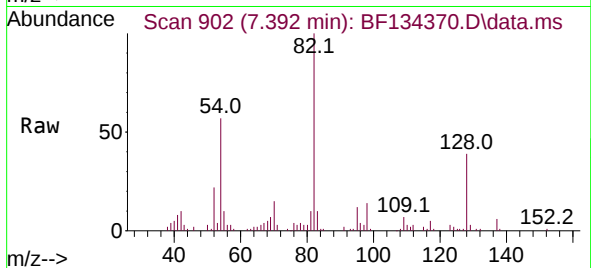
Tgt Ion: 82 Resp: 36683

Ion Ratio Lower Upper

82 100

128 38.7 32.5 48.7

54 57.4 48.2 72.2



#32

Benzoic acid

Concen: 2.004 ng

RT: 7.910 min Scan# 990

Delta R.T. 0.006 min

Lab File: BF134370.D

Acq: 19 Jul 2023 21:24

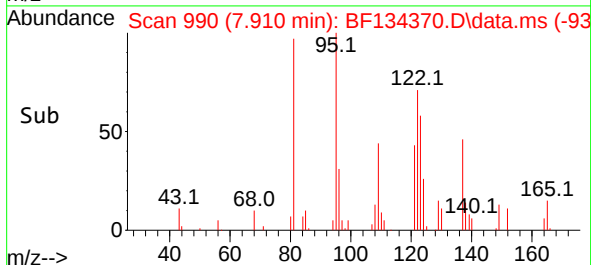
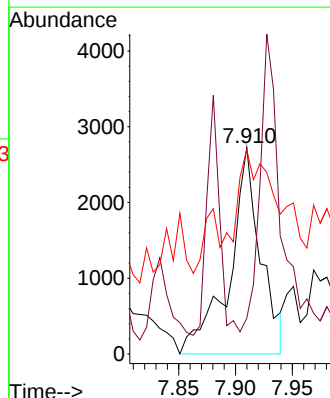
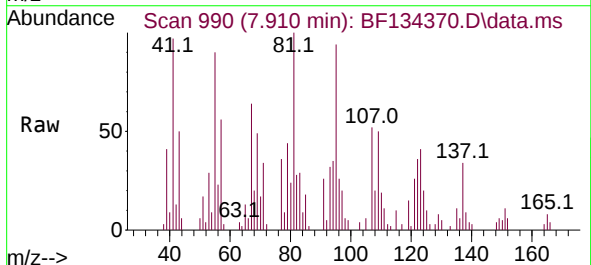
Tgt Ion:122 Resp: 5167

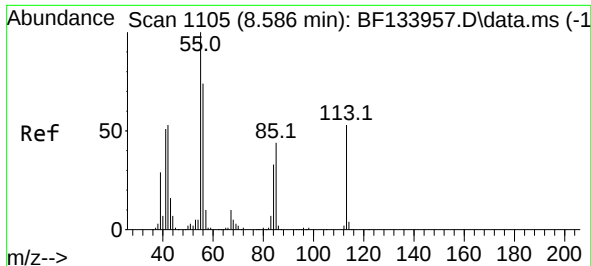
Ion Ratio Lower Upper

122 100

105 17.2 109.7 149.7#

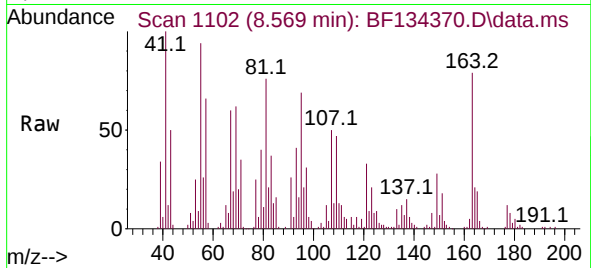
77 99.0 76.0 116.0



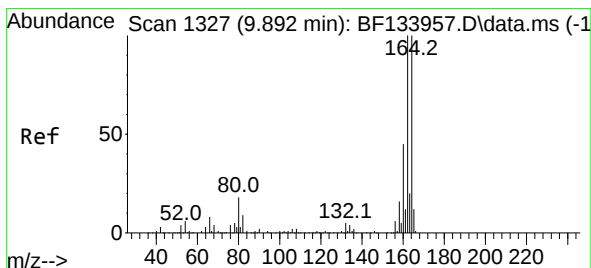
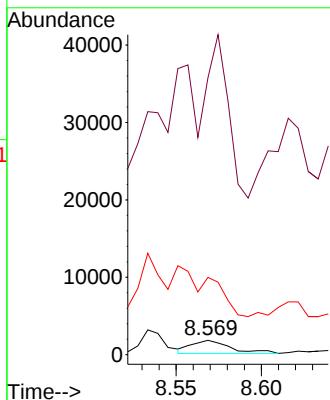
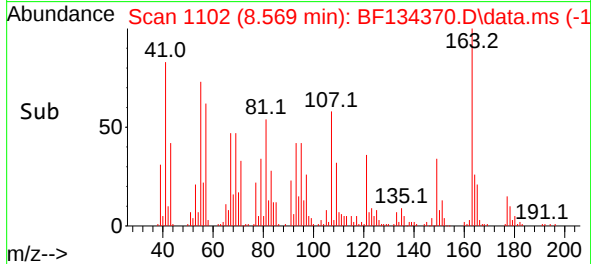


#35
Caprolactam
Concen: 2.385 ng
RT: 8.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

Instrument :
BNA_F
ClientSampleId :

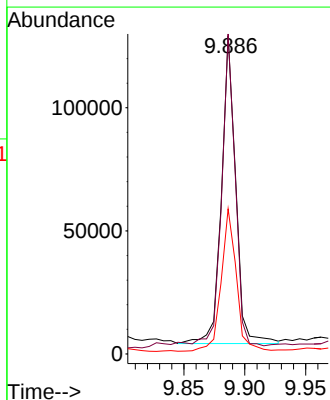
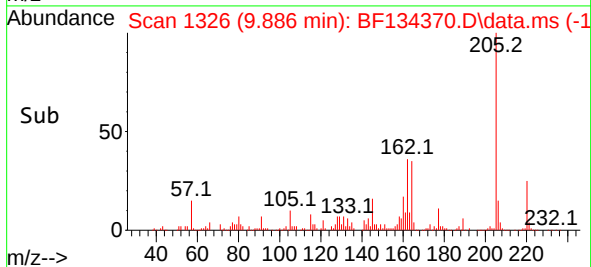
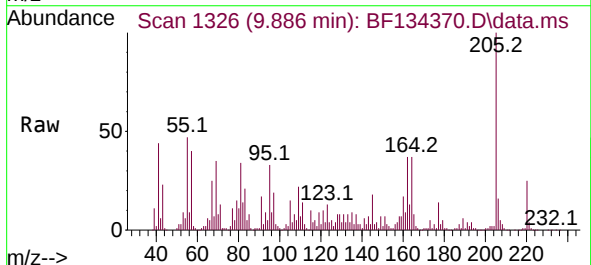


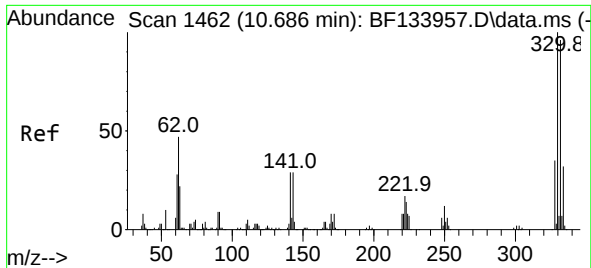
Tgt Ion:113 Resp: 2679
Ion Ratio Lower Upper
113 100
55 1922.2 170.2 210.2#
56 536.6 121.4 161.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.006 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

Tgt Ion:164 Resp: 102216
Ion Ratio Lower Upper
164 100
162 100.6 80.0 120.0
160 45.6 35.9 53.9

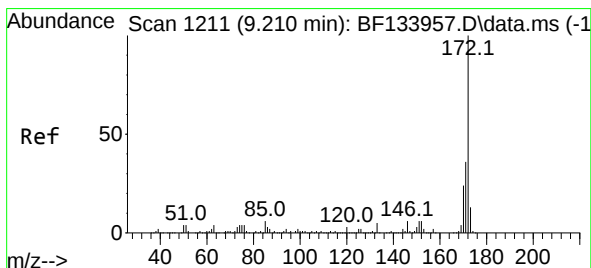
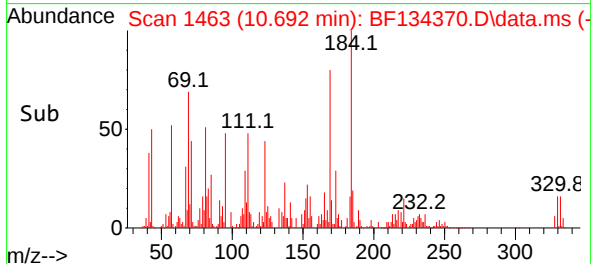
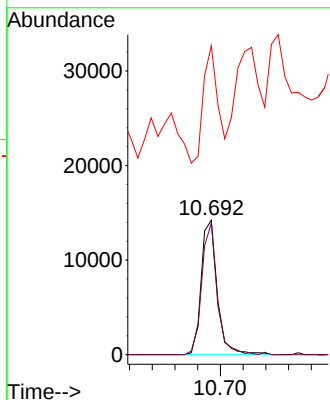
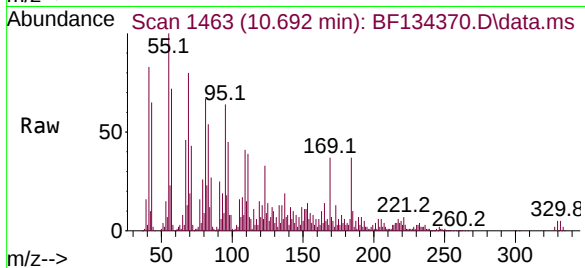




#42
2,4,6-Tribromophenol
Concen: 10.891 ng
RT: 10.692 min Scan# 1462
Delta R.T. 0.012 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

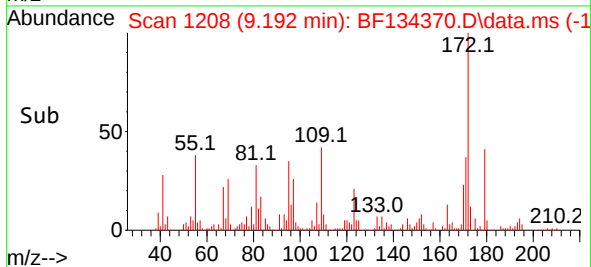
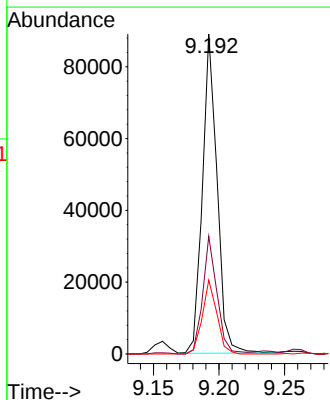
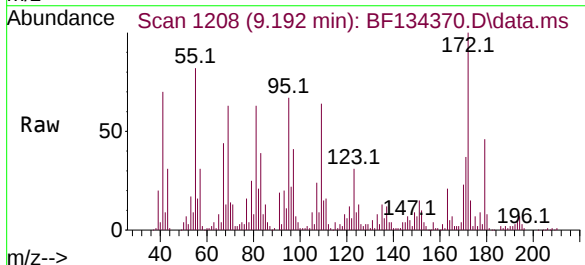
Instrument :
BNA_F
ClientSampleId :

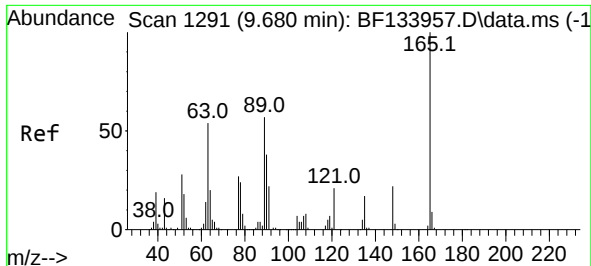
Tgt Ion:330 Resp: 13958
Ion Ratio Lower Upper
330 100
332 92.8 77.0 115.6
141 78.7 26.3 39.5#



#45
2-Fluorobiphenyl
Concen: 9.883 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

Tgt Ion:172 Resp: 69482
Ion Ratio Lower Upper
172 100
171 36.8 28.6 43.0
170 23.1 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.888 ng

RT: 9.680 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF134370.D

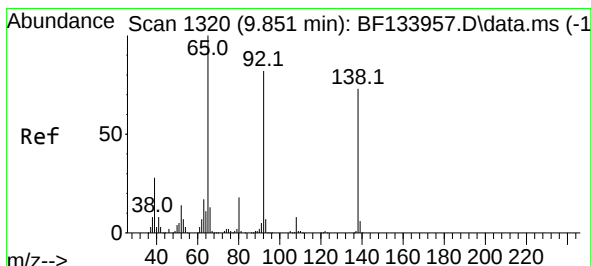
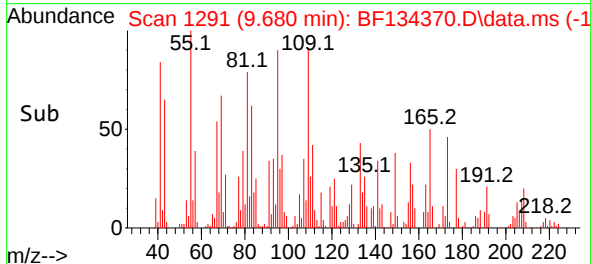
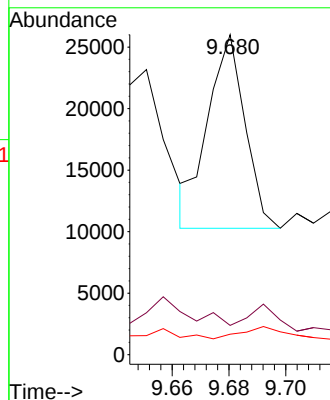
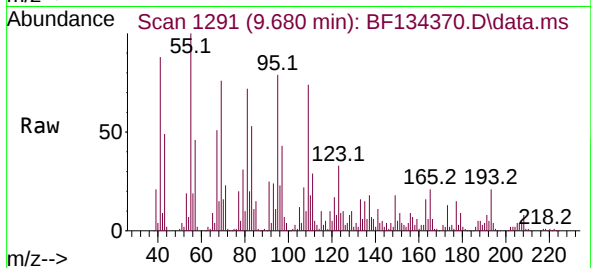
Acq: 19 Jul 2023 21:24

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:165	Resp:	14204
Ion Ratio	Lower	Upper
165	100	
63	9.1	48.5 72.7#
89	6.4	45.5 68.3#



#53

3-Nitroaniline

Concen: 11.126 ng

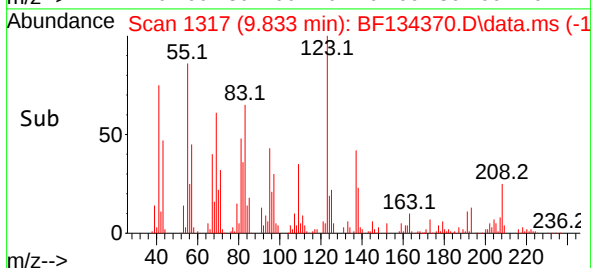
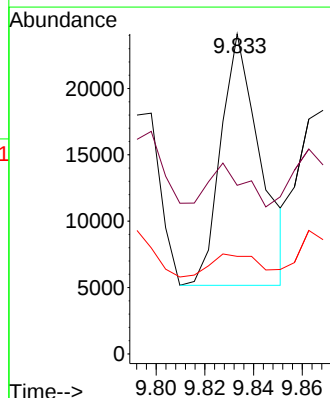
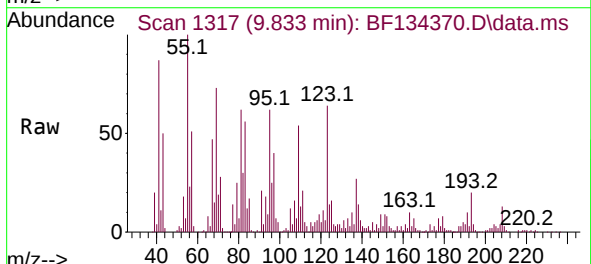
RT: 9.833 min Scan# 1317

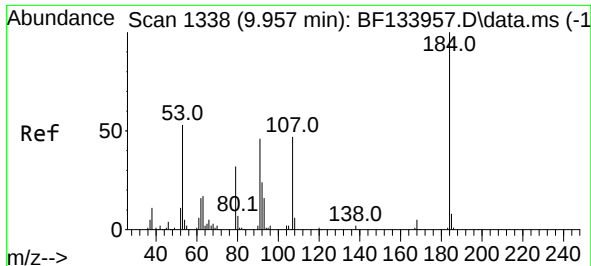
Delta R.T. -0.012 min

Lab File: BF134370.D

Acq: 19 Jul 2023 21:24

Tgt Ion:138	Resp:	21331
Ion Ratio	Lower	Upper
138	100	
108	52.7	8.4 12.6#
92	30.5	90.1 135.1#

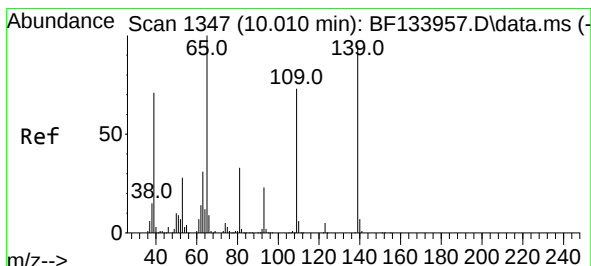
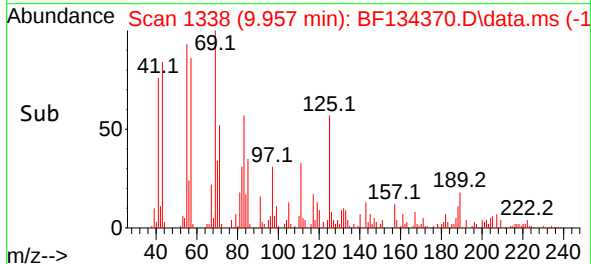
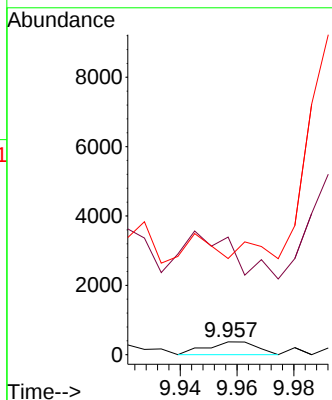
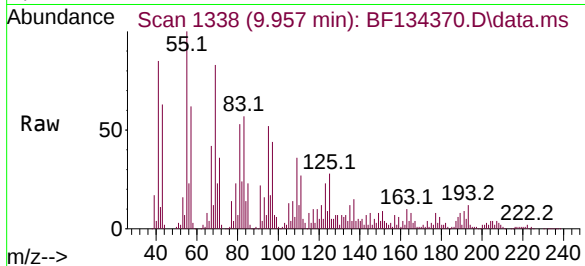




#54
2,4-Dinitrophenol
Concen: 4.334 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

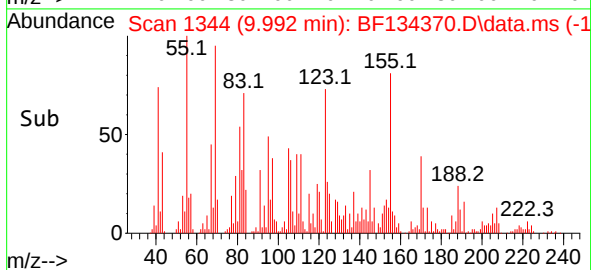
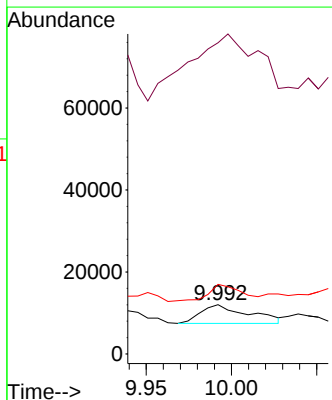
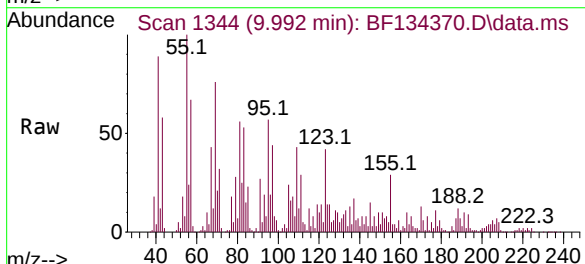
Instrument :
BNA_F
ClientSampleId :

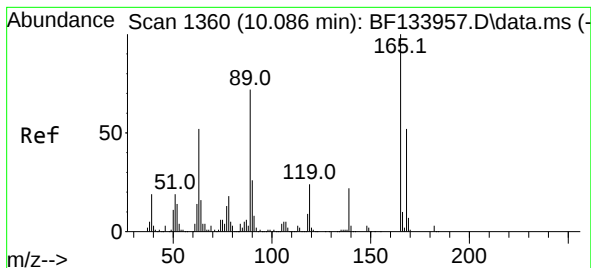
Tgt Ion:184 Resp: 456
Ion Ratio Lower Upper
184 100
63 921.2 56.9 85.3#
154 753.8 55.4 83.0#



#56
4-Nitrophenol
Concen: 6.641 ng
RT: 9.992 min Scan# 1344
Delta R.T. -0.018 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

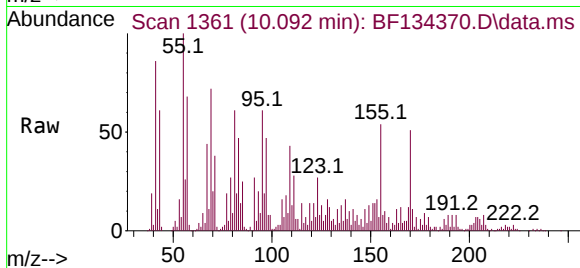
Tgt Ion:139 Resp: 8906
Ion Ratio Lower Upper
139 100
109 631.3 56.8 96.8#
65 141.0 86.1 126.1#



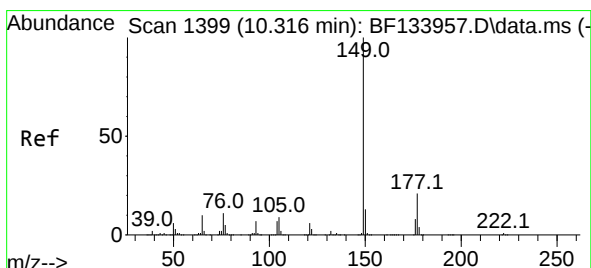
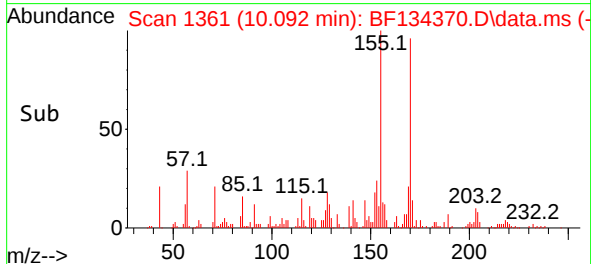
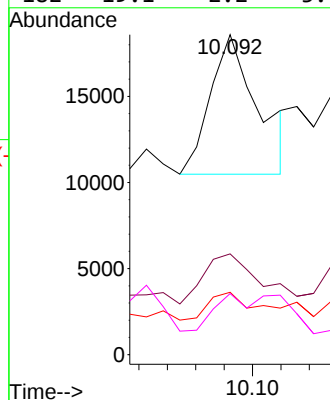


#57
2,4-Dinitrotoluene
Concen: 4.483 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.012 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

Instrument :
BNA_F
ClientSampleId :

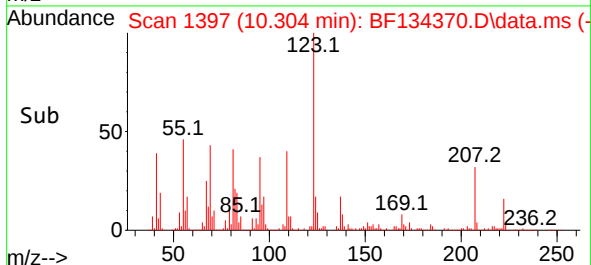
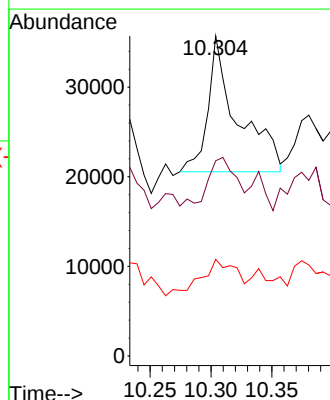
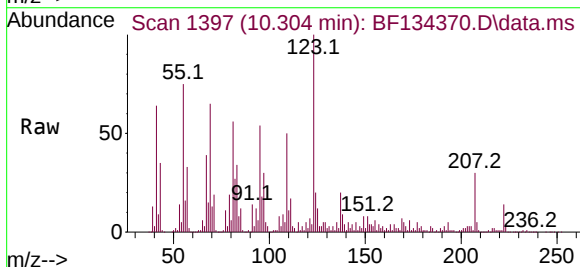


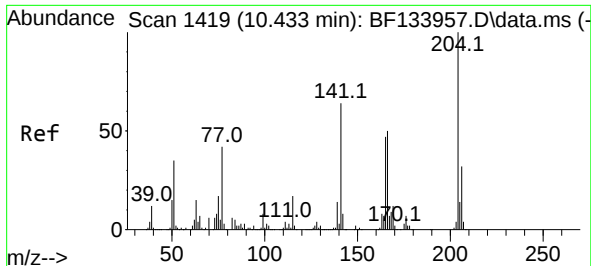
Tgt Ion:165 Resp: 9462
Ion Ratio Lower Upper
165 100
63 31.5 42.2 63.2#
89 19.5 57.4 86.2#
182 19.1 2.2 3.4#



#60
Diethylphthalate
Concen: 3.331 ng
RT: 10.304 min Scan# 1397
Delta R.T. -0.000 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

Tgt Ion:149 Resp: 25747
Ion Ratio Lower Upper
149 100
177 61.0 17.0 25.6#
150 30.2 10.2 15.2#

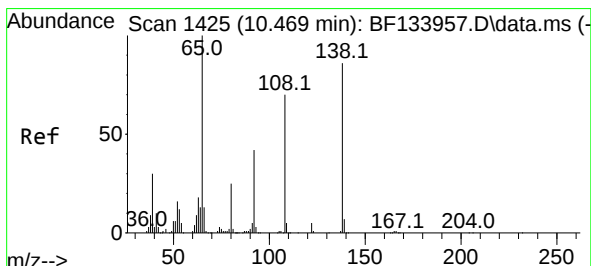
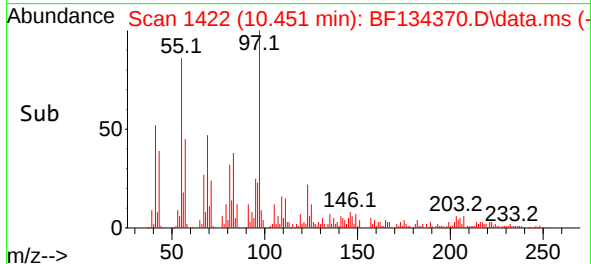
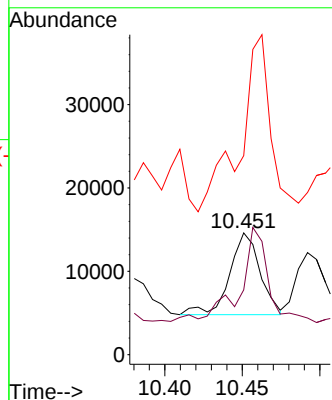
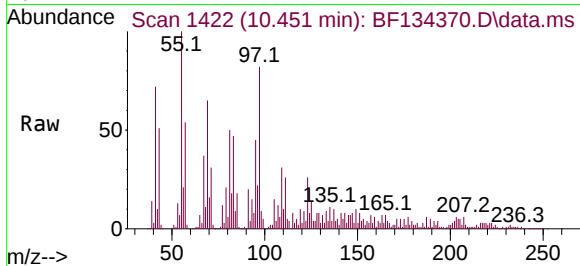




#61
4-Chlorophenyl-phenylether
Concen: 3.849 ng
RT: 10.451 min Scan# 1419
Delta R.T. 0.023 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

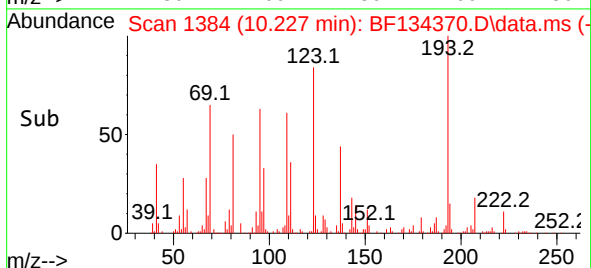
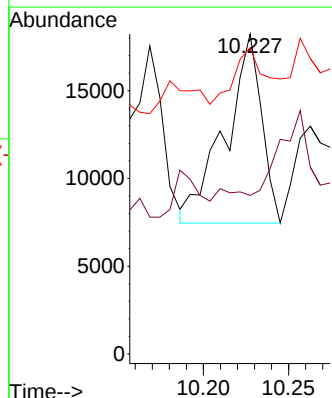
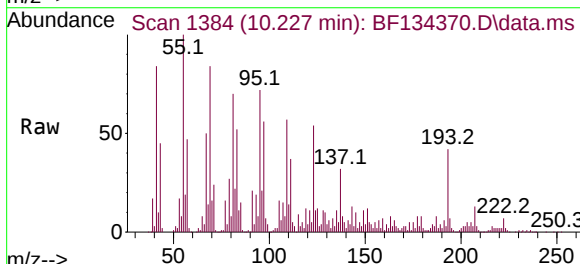
Instrument :
BNA_F
ClientSampleId :

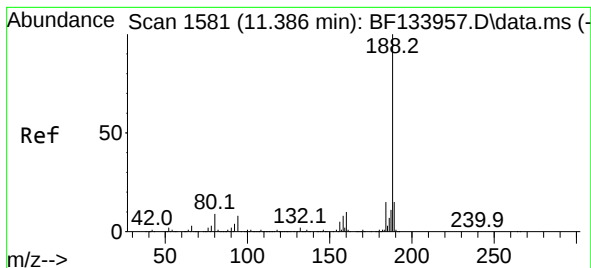
Tgt Ion:204 Resp: 13413
Ion Ratio Lower Upper
204 100
206 53.3 25.8 38.6#
141 163.6 51.5 77.3#



#62
4-Nitroaniline
Concen: 8.253 ng
RT: 10.227 min Scan# 1384
Delta R.T. -0.235 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

Tgt Ion:138 Resp: 15946
Ion Ratio Lower Upper
138 100
92 49.6 29.7 69.7
108 95.7 62.1 102.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF134370.D

Acq: 19 Jul 2023 21:24

Instrument :

BNA_F

ClientSampleId :

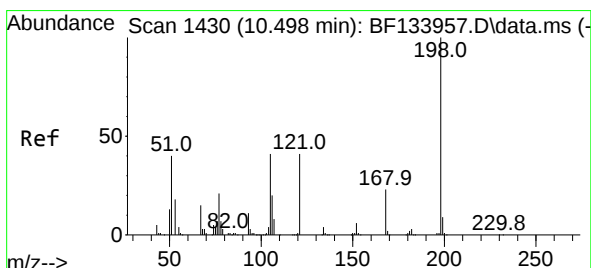
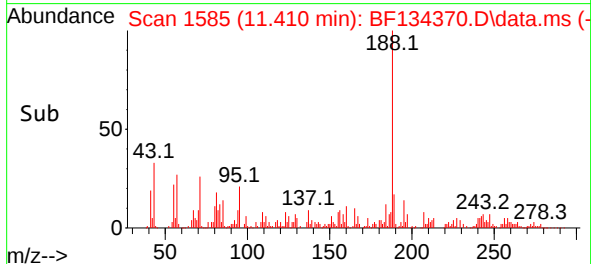
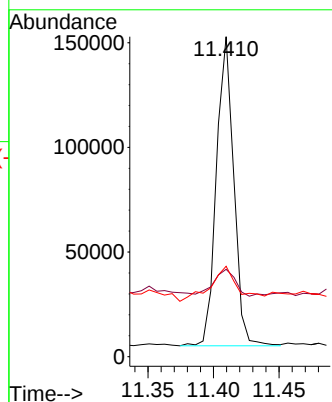
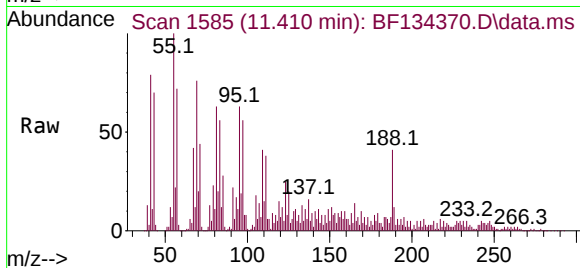
Tgt Ion:188 Resp: 135750

Ion Ratio Lower Upper

188 100

94 27.3 6.4 9.6#

80 28.2 7.3 10.9#



#65

4,6-Dinitro-2-methylphenol

Concen: 3.421 ng

RT: 10.539 min Scan# 1437

Delta R.T. 0.047 min

Lab File: BF134370.D

Acq: 19 Jul 2023 21:24

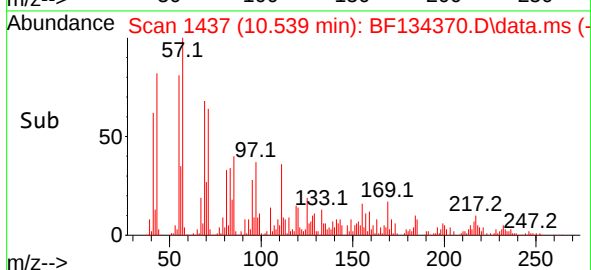
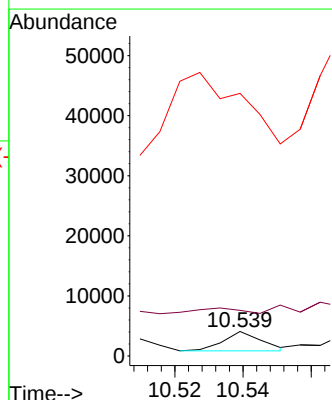
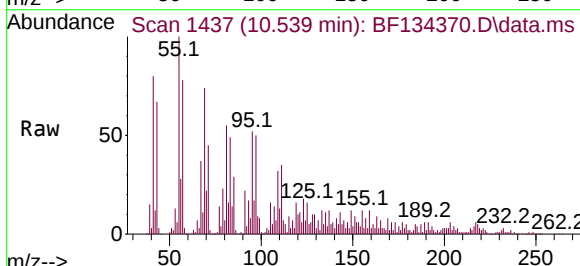
Tgt Ion:198 Resp: 2532

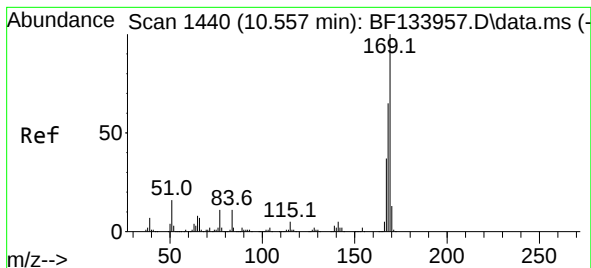
Ion Ratio Lower Upper

198 100

51 185.8 29.3 69.3#

105 1071.4 22.4 62.4#

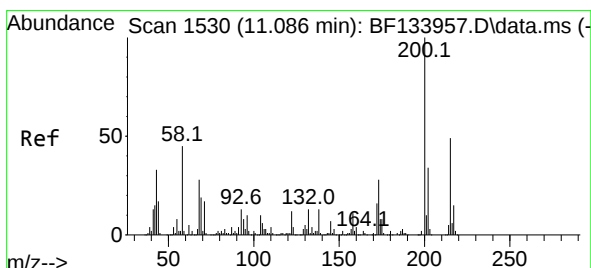
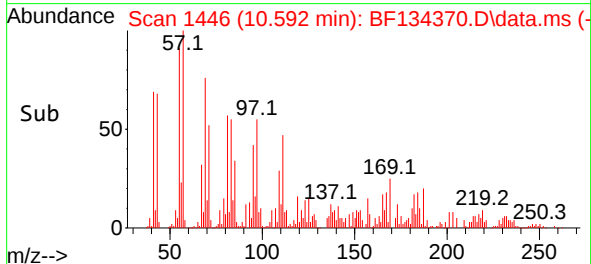
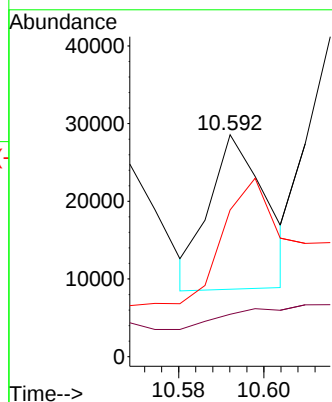
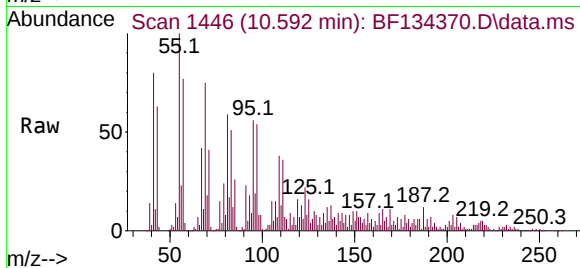




#66
n-Nitrosodiphenylamine
Concen: 4.199 ng
RT: 10.592 min Scan# 1446
Delta R.T. 0.047 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

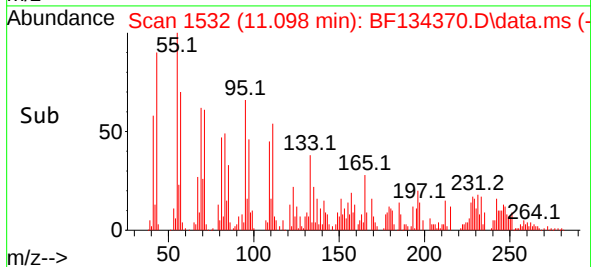
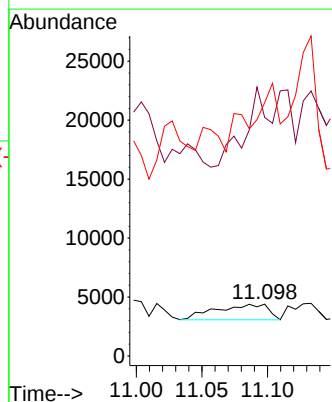
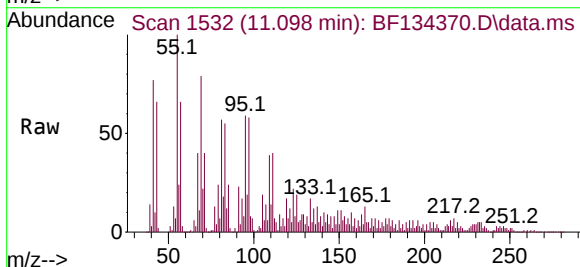
Instrument :
BNA_F
ClientSampleId :

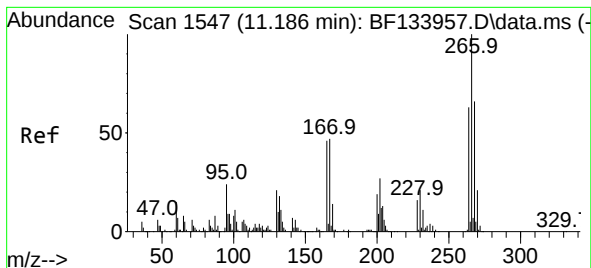
Tgt Ion:169 Resp: 18213
Ion Ratio Lower Upper
169 100
168 19.1 52.3 78.5#
167 66.1 29.4 44.0#



#69
Atrazine
Concen: 3.047 ng
RT: 11.098 min Scan# 1532
Delta R.T. 0.023 min
Lab File: BF134370.D
Acq: 19 Jul 2023 21:24

Tgt Ion:200 Resp: 3656
Ion Ratio Lower Upper
200 100
173 459.8 8.0 48.0#
215 488.4 29.3 69.3#





#70

Pentachlorophenol

Concen: 2.079 ng

RT: 11.180 min Scan# 1546

Delta R.T. -0.000 min

Lab File: BF134370.D

Acq: 19 Jul 2023 21:24

Instrument :

BNA_F

ClientSampleId :

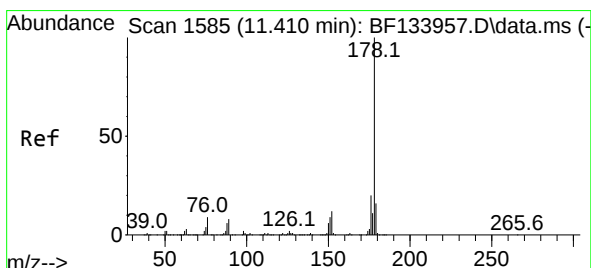
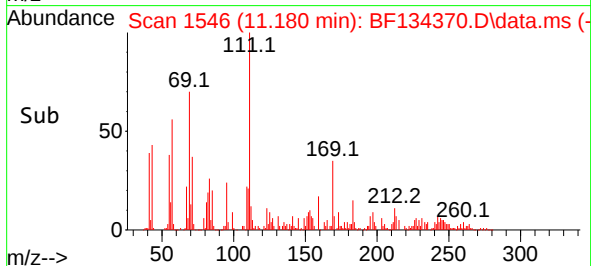
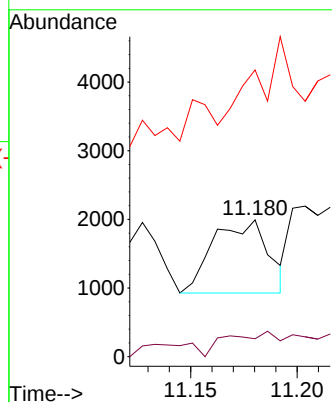
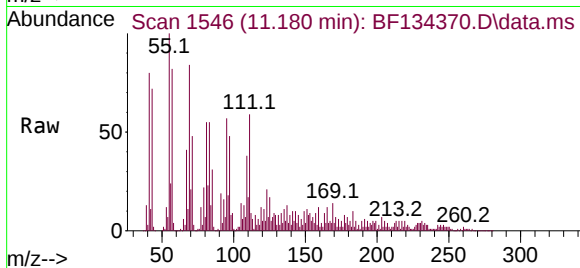
Tgt Ion:266 Resp: 1904

Ion Ratio Lower Upper

266 100

268 13.2 52.6 79.0#

264 209.6 50.6 76.0#



#71

Phenanthrene

Concen: 11.514 ng

RT: 11.433 min Scan# 1589

Delta R.T. 0.029 min

Lab File: BF134370.D

Acq: 19 Jul 2023 21:24

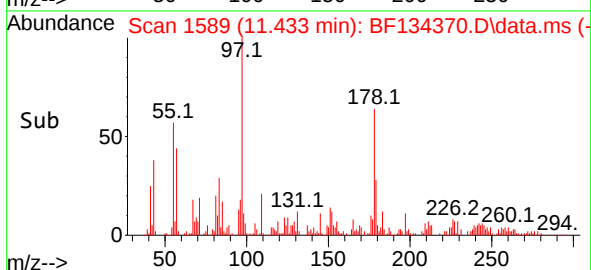
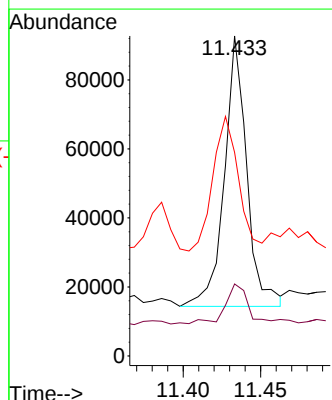
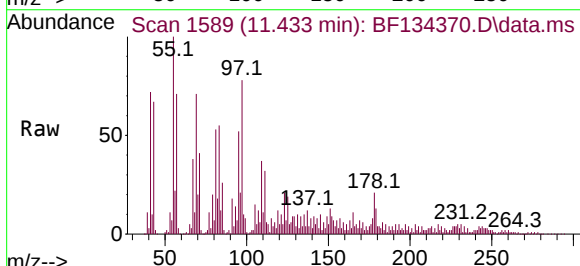
Tgt Ion:178 Resp: 78685

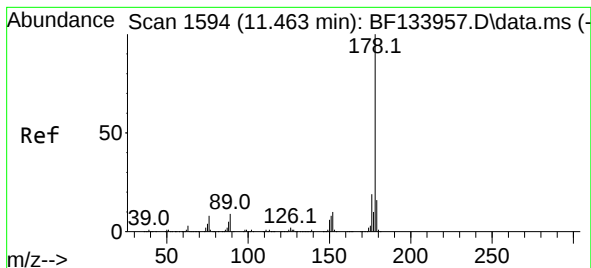
Ion Ratio Lower Upper

178 100

176 22.5 16.0 24.0

179 63.6 12.4 18.6#





#72

Anthracene

Concen: 2.477 ng

RT: 11.533 min Scan# 1

Delta R.T. 0.076 min

Lab File: BF134370.D

Acq: 19 Jul 2023 21:24

Instrument :

BNA_F

ClientSampleId :

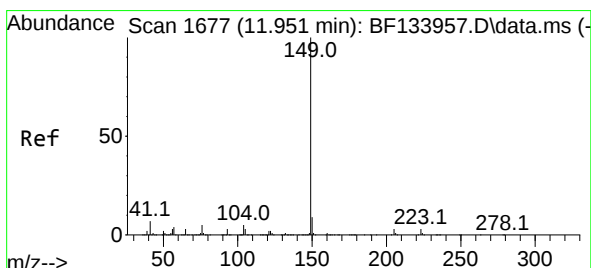
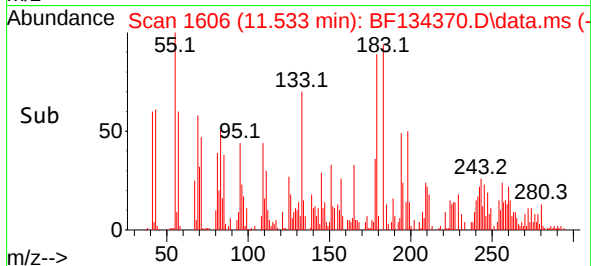
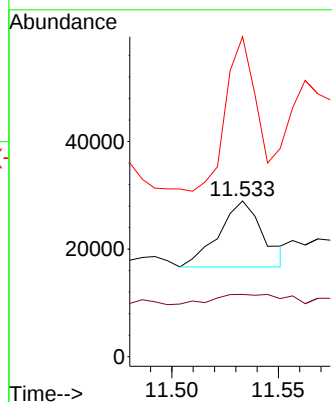
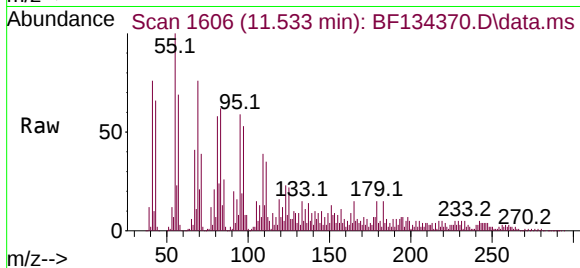
Tgt Ion:178 Resp: 17608

Ion Ratio Lower Upper

178 100

176 40.0 15.3 22.9#

179 205.5 12.4 18.6#



#74

Di-n-butylphthalate

Concen: 7.407 ng

RT: 11.968 min Scan# 1680

Delta R.T. 0.029 min

Lab File: BF134370.D

Acq: 19 Jul 2023 21:24

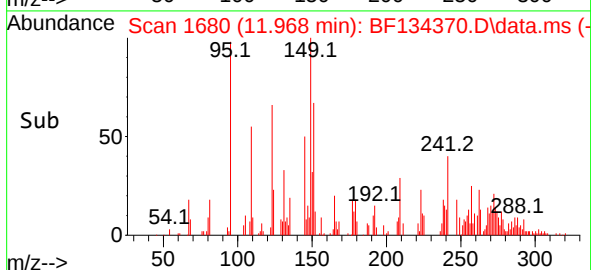
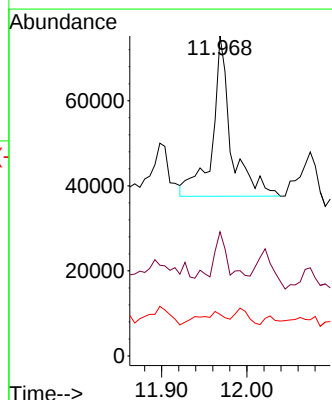
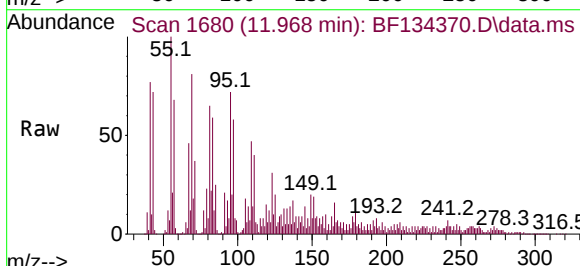
Tgt Ion:149 Resp: 57304

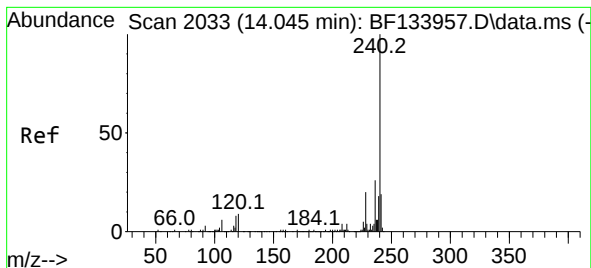
Ion Ratio Lower Upper

149 100

150 38.8 7.1 10.7#

104 13.0 4.0 6.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2033

Delta R.T. 0.018 min

Lab File: BF134370.D

Acq: 19 Jul 2023 21:24

Instrument :

BNA_F

ClientSampleId :

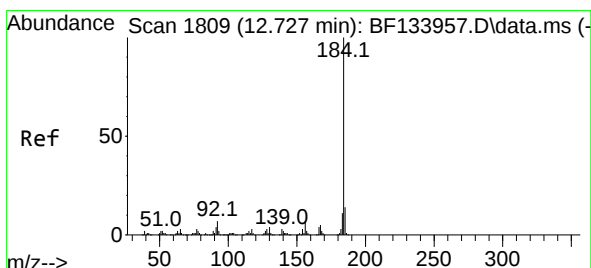
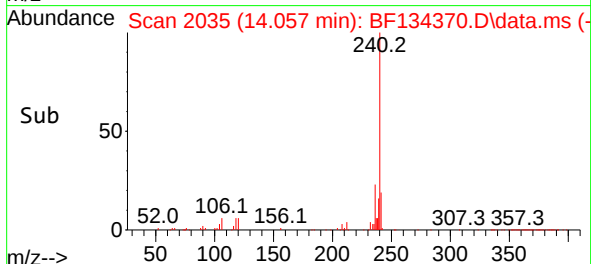
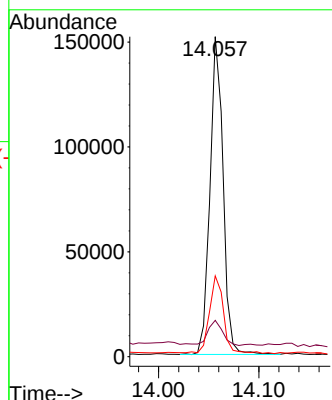
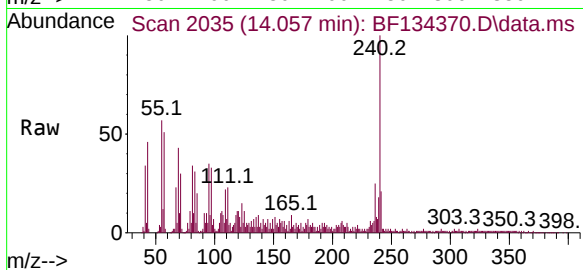
Tgt Ion:240 Resp: 138580

Ion Ratio Lower Upper

240 100

120 11.3 7.4 11.0#

236 25.2 21.0 31.6



#77

Benzidine

Concen: 2.337 ng

RT: 12.704 min Scan# 1805

Delta R.T. -0.024 min

Lab File: BF134370.D

Acq: 19 Jul 2023 21:24

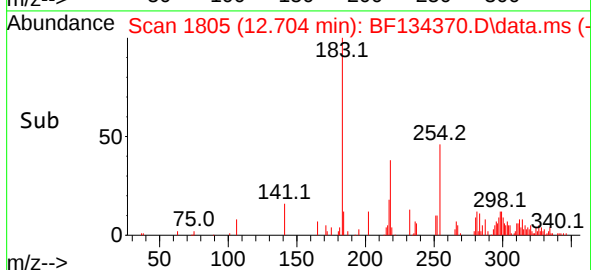
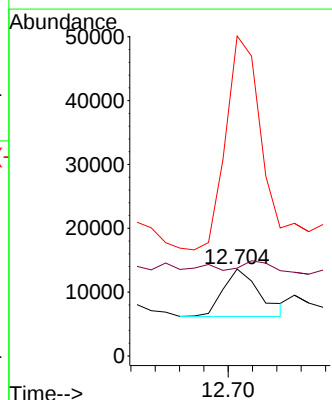
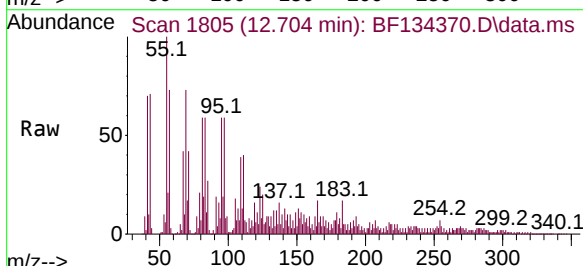
Tgt Ion:184 Resp: 7706

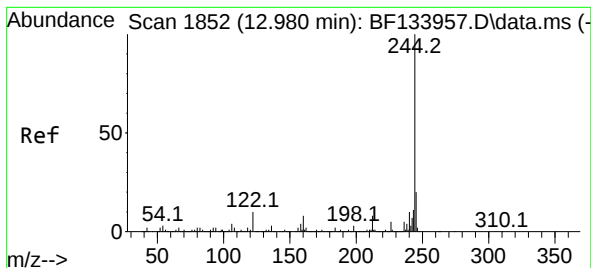
Ion Ratio Lower Upper

184 100

185 101.0 11.6 17.4#

183 368.3 8.8 13.2#





#79

Terphenyl-d14

Concen: 7.397 ng

RT: 13.004 min Scan# 11

Delta R.T. 0.029 min

Lab File: BF134370.D

Acq: 19 Jul 2023 21:24

Instrument :

BNA_F

ClientSampleId :

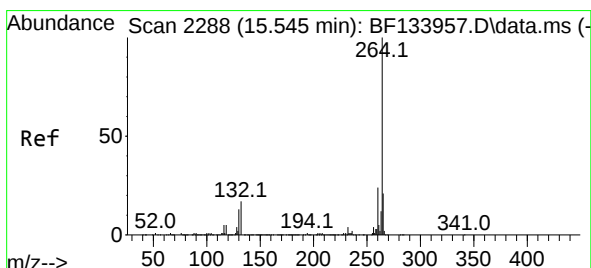
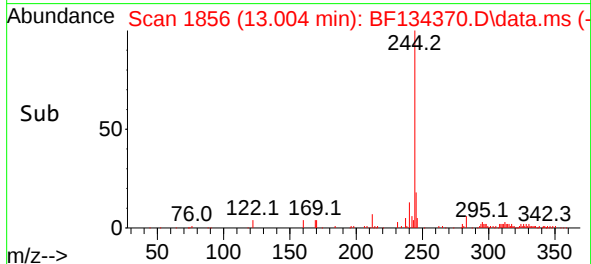
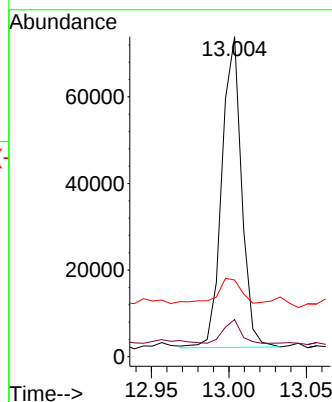
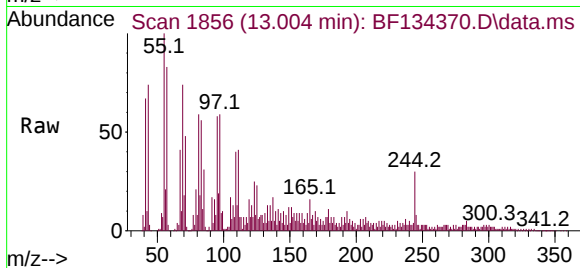
Tgt Ion:244 Resp: 63695

Ion Ratio Lower Upper

244 100

212 11.6 6.0 9.0#

122 23.9 8.3 12.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.006 min

Lab File: BF134370.D

Acq: 19 Jul 2023 21:24

Tgt Ion:264 Resp: 123814

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 21.4 16.6 25.0

