

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140401.D
 Acq On : 15 Nov 2024 14:10
 Operator : RC/JU
 Sample : P4799-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-TA1-03-C

Quant Time: Nov 15 14:38:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

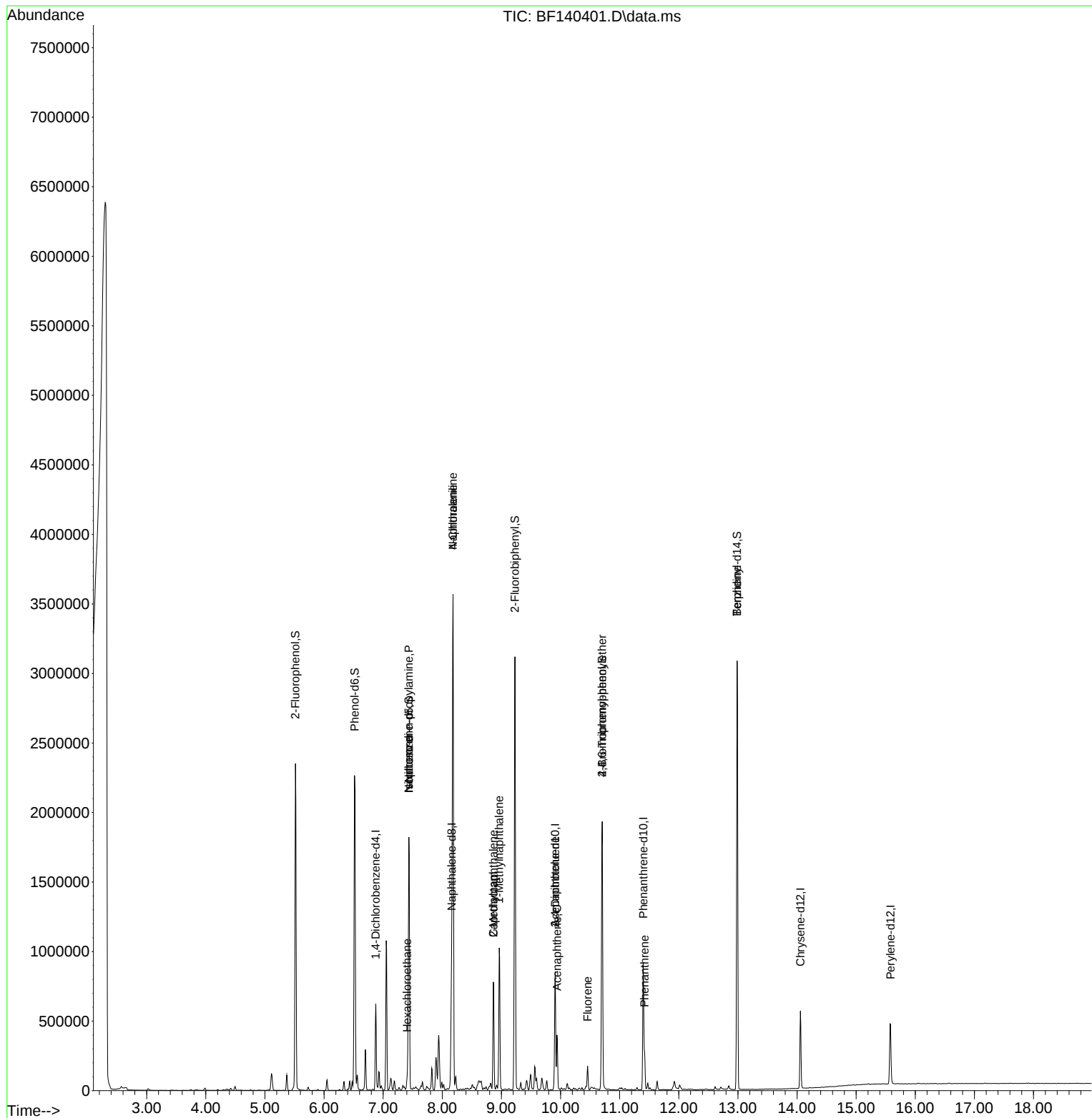
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	128785	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	471629	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	256063	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	474276	20.000	ng	0.00
76) Chrysene-d12	14.057	240	262792	20.000	ng	0.00
86) Perylene-d12	15.580	264	270502	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	873133	115.757	ng	0.02
7) Phenol-d6	6.516	99	1127337	110.314	ng	0.01
23) Nitrobenzene-d5	7.434	82	804150	88.838	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	337548	132.562	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1412762	88.692	ng	0.00
79) Terphenyl-d14	12.986	244	1518518	100.301	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.404	117	9924	2.961	ng	# 1
19) n-Nitroso-di-n-propyla...	7.434	70	108312	17.549	ng	# 77
25) Isophorone	7.434	82	791279	49.323	ng	# 67
31) Naphthalene	8.181	128	2350382	98.240	ng	# 99
33) 4-Chloroaniline	8.181	127	320230	38.487	ng	# 33
35) Caprolactam	8.863	113	7427	3.377	ng	# 1
37) 2-Methylnaphthalene	8.863	142	303169	19.762	ng	# 99
38) 1-Methylnaphthalene	8.963	142	385705	25.675	ng	# 100
52) Acenaphthene	9.939	154	121416	8.373	ng	# 99
57) 2,4-Dinitrotoluene	9.910	165	35603	7.110	ng	# 20
58) Fluorene	10.457	166	73822	4.552	ng	# 100
67) 4-Bromophenyl-phenylether	10.704	248	20974	4.424	ng	# 1
71) Phenanthrene	11.422	178	132157	5.932	ng	# 99
77) Benzidine	12.986	184	21347	2.116	ng	# 92

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

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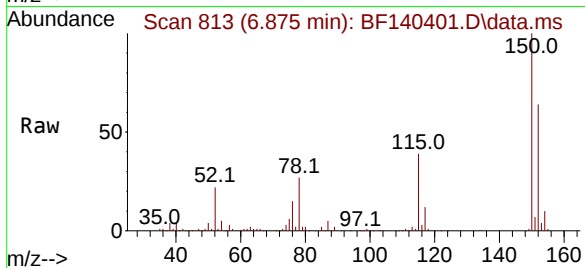
Quant Time: Nov 15 14:38:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
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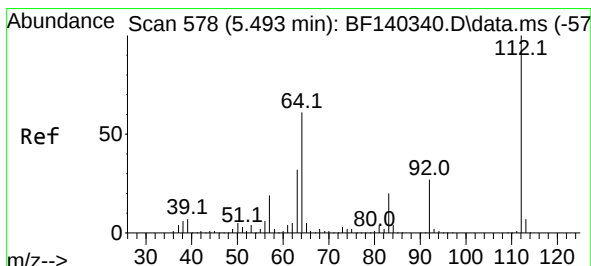
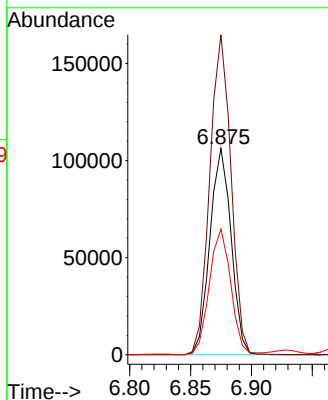
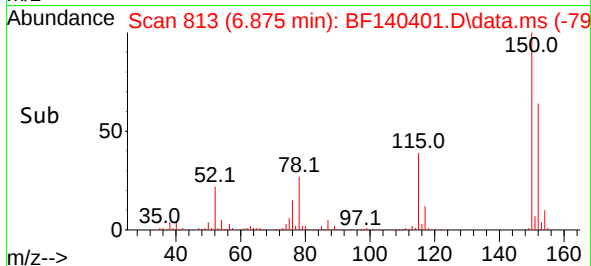


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

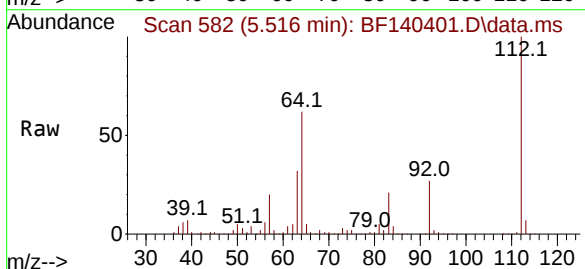
Instrument :
BNA_F
ClientSampleId :
WC-TA1-03-C



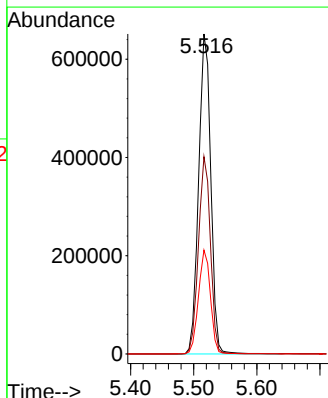
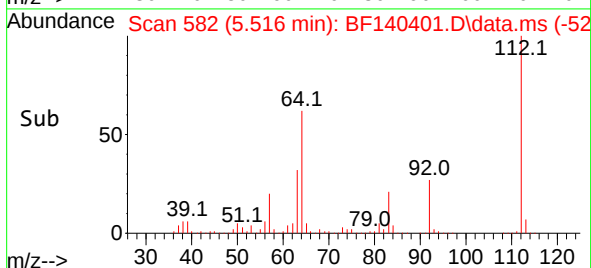
Tgt Ion:152 Resp: 128785
Ion Ratio Lower Upper
152 100
150 155.2 127.4 191.0
115 60.9 47.4 71.2



#5
2-Fluorophenol
Concen: 115.757 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.024 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10



Tgt Ion:112 Resp: 873133
Ion Ratio Lower Upper
112 100
64 61.6 49.2 73.8
63 32.5 25.6 38.4





#7

Phenol-d6

Concen: 110.314 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.012 min

Lab File: BF140401.D

Acq: 15 Nov 2024 14:10

Instrument :

BNA_F

ClientSampleId :

WC-TA1-03-C

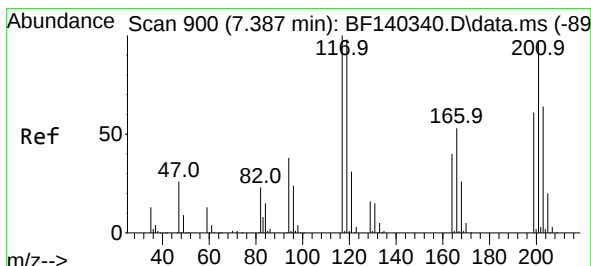
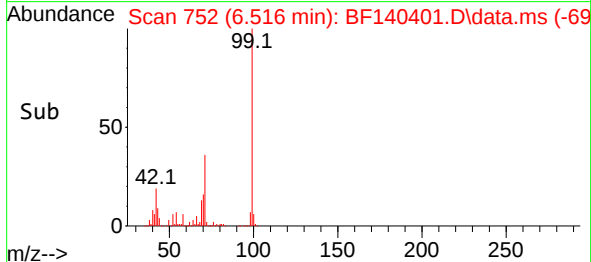
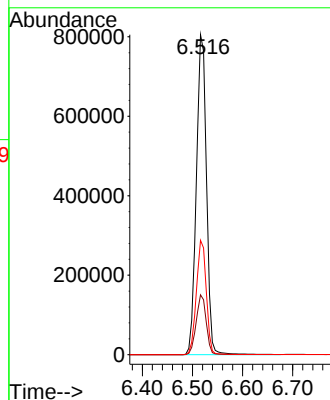
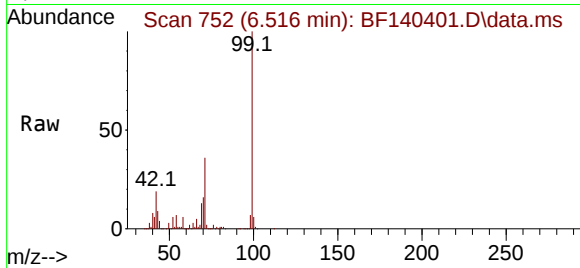
Tgt Ion: 99 Resp: 1127337

Ion Ratio Lower Upper

99 100

42 18.7 15.1 22.7

71 35.8 27.9 41.9



#18

Hexachloroethane

Concen: 2.961 ng

RT: 7.404 min Scan# 903

Delta R.T. 0.012 min

Lab File: BF140401.D

Acq: 15 Nov 2024 14:10

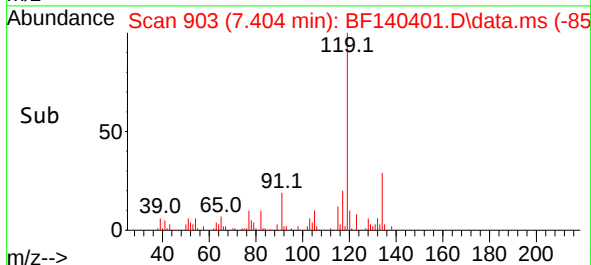
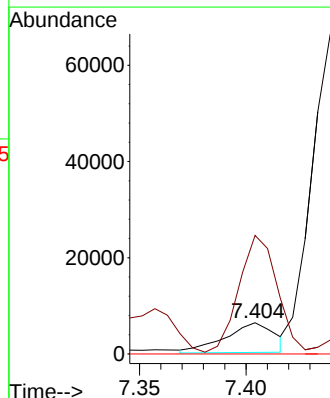
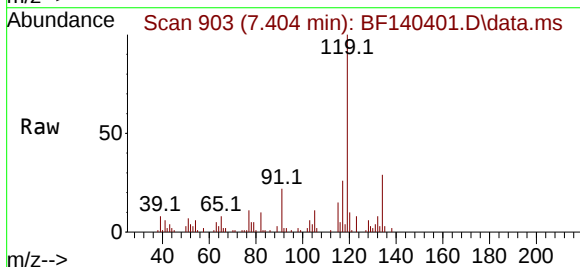
Tgt Ion: 117 Resp: 9924

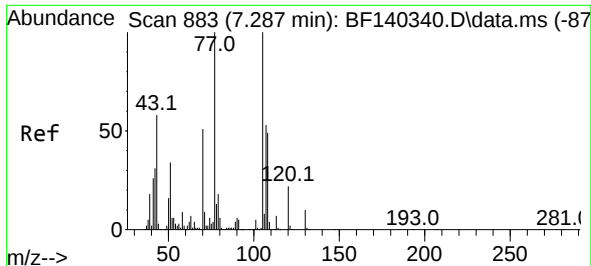
Ion Ratio Lower Upper

117 100

119 379.9 76.9 115.3#

201 0.0 80.2 120.4#

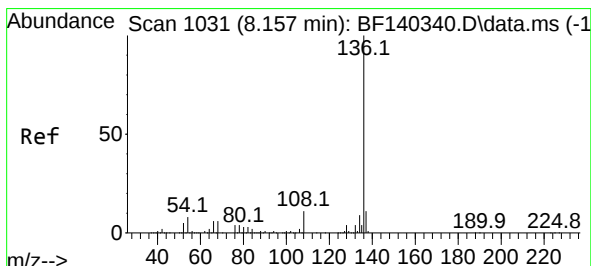
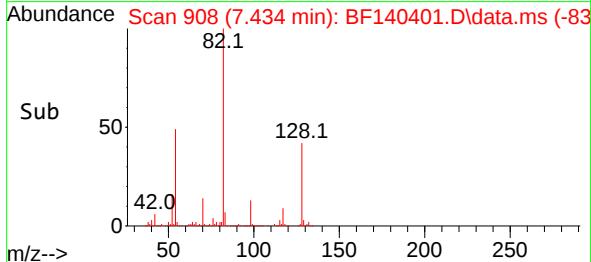
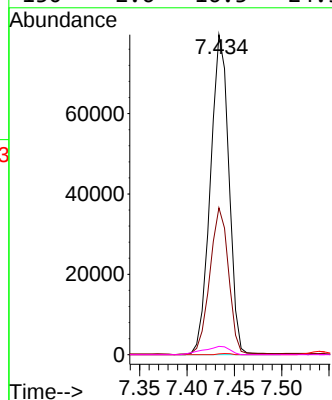
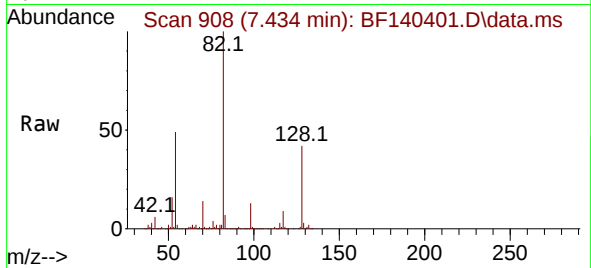




#19
n-Nitroso-di-n-propylamine
Concen: 17.549 ng
RT: 7.434 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

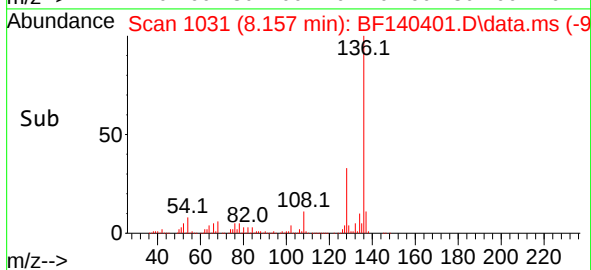
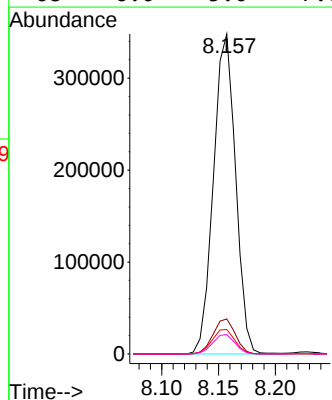
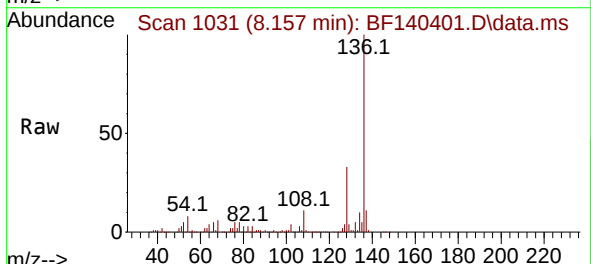
Instrument :
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ClientSampleId :
WC-TA1-03-C

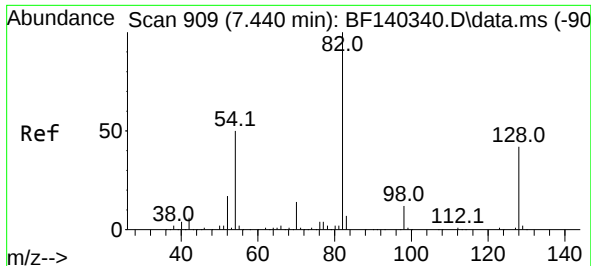
Tgt Ion: 70 Resp: 108312
Ion Ratio Lower Upper
70 100
42 45.9 46.8 70.2#
101 0.3 7.5 11.3#
130 2.6 16.3 24.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

Tgt Ion:136 Resp: 471629
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.6 6.5 9.7
68 6.0 5.0 7.6

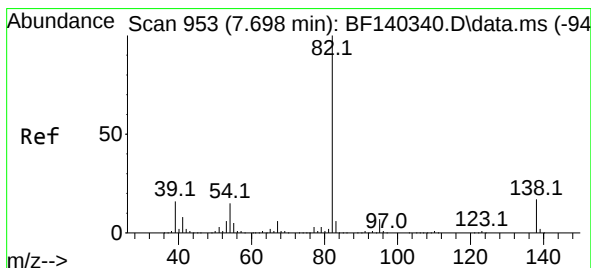
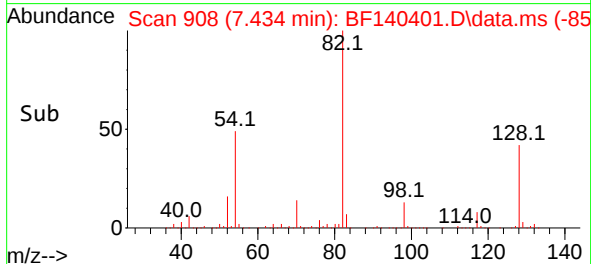
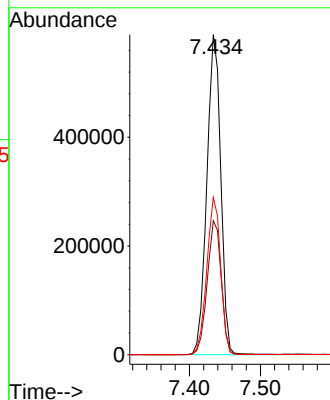
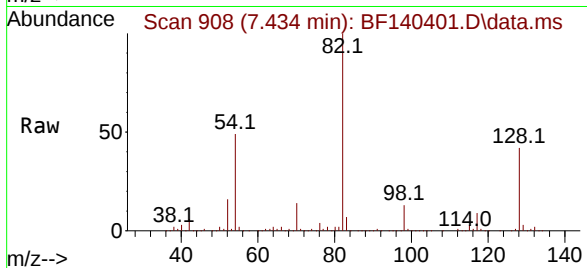




#23
Nitrobenzene-d5
Concen: 88.838 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

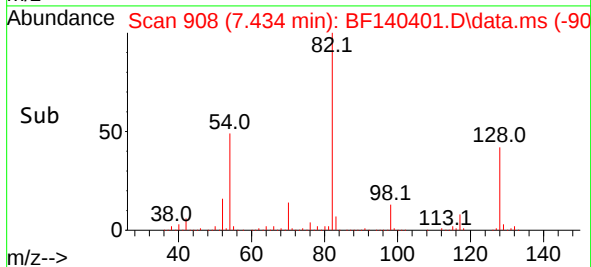
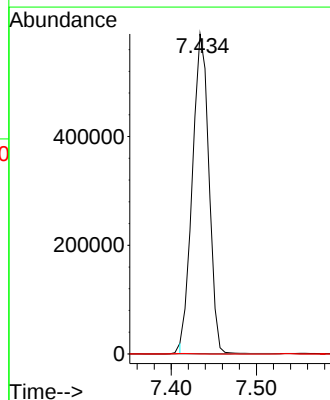
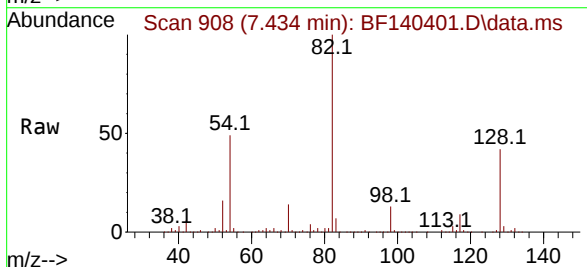
Instrument :
BNA_F
ClientSampleId :
WC-TA1-03-C

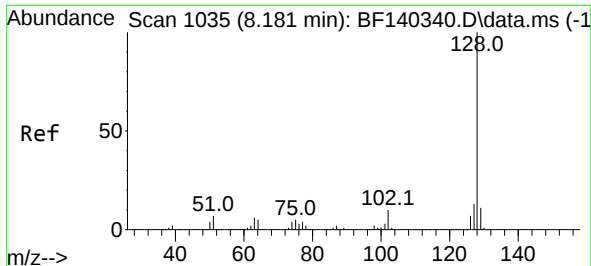
Tgt Ion: 82 Resp: 804150
Ion Ratio Lower Upper
82 100
128 41.8 33.3 49.9
54 49.2 39.8 59.8



#25
Isophorone
Concen: 49.323 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

Tgt Ion: 82 Resp: 791279
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.4 20.2#

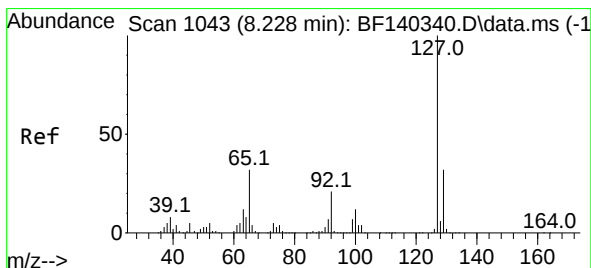
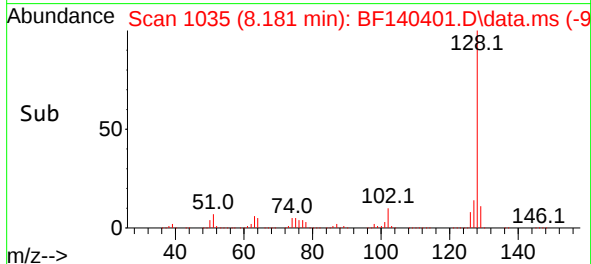
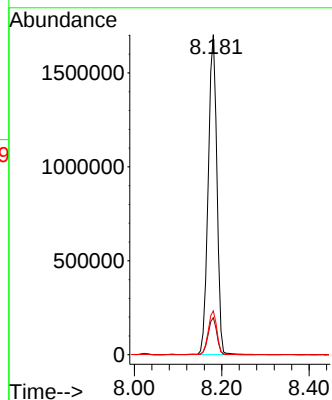
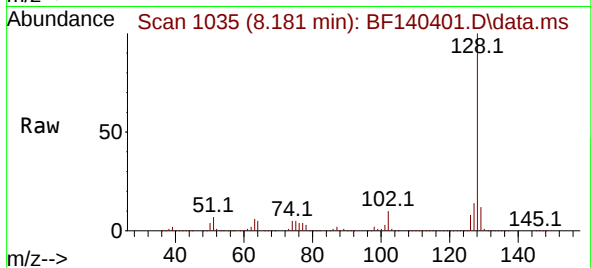




#31
Naphthalene
Concen: 98.240 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

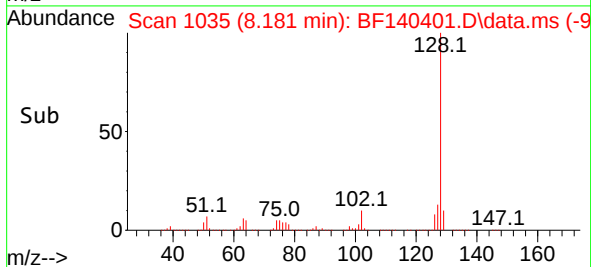
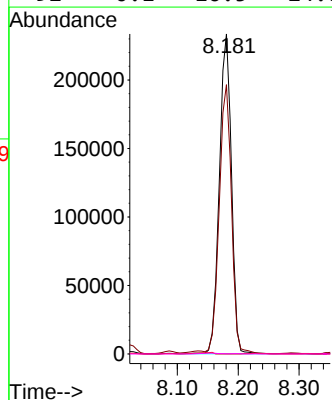
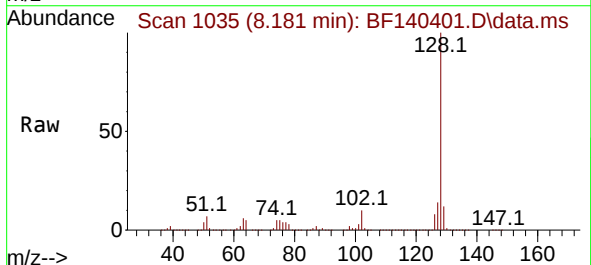
Instrument :
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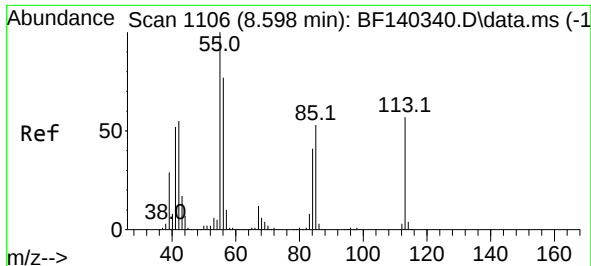
Tgt Ion:128 Resp: 2350382
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 13.7 10.6 15.8



#33
4-Chloroaniline
Concen: 38.487 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.047 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

Tgt Ion:127 Resp: 320230
Ion Ratio Lower Upper
127 100
129 84.1 26.2 39.4#
65 0.0 25.8 38.6#
92 0.1 16.5 24.7#

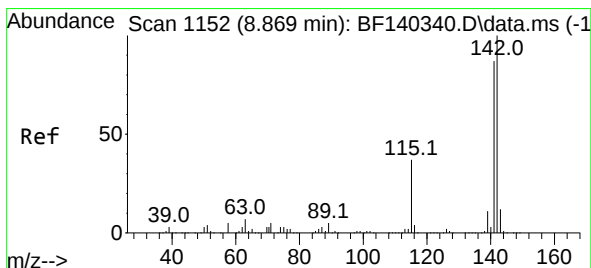
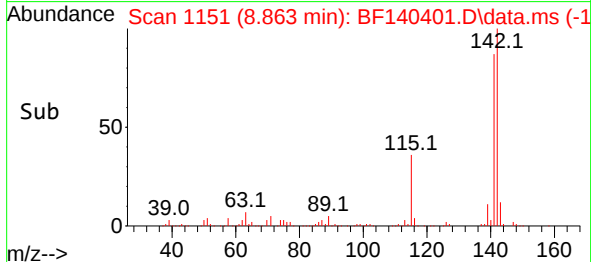
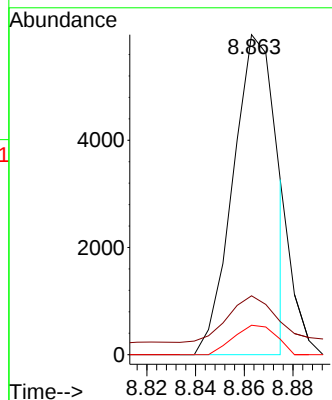
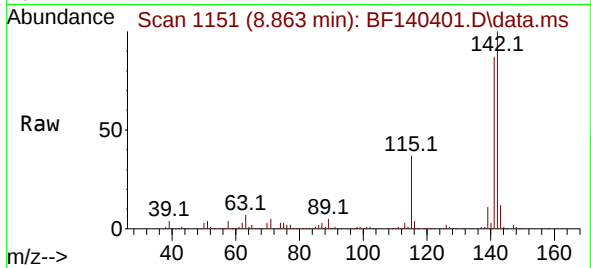




#35
 Caprolactam
 Concen: 3.377 ng
 RT: 8.863 min Scan# 1151
 Delta R.T. 0.265 min
 Lab File: BF140401.D
 Acq: 15 Nov 2024 14:10

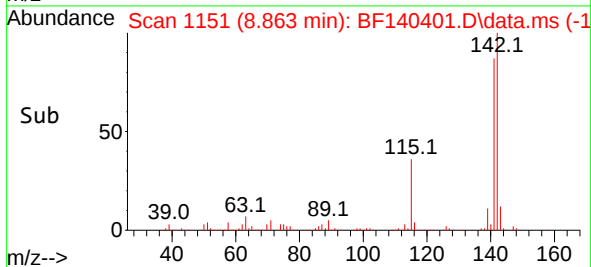
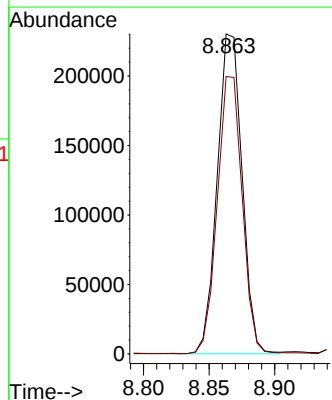
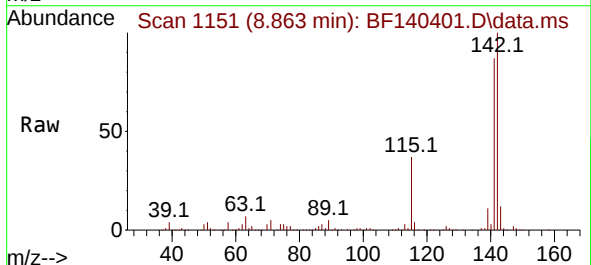
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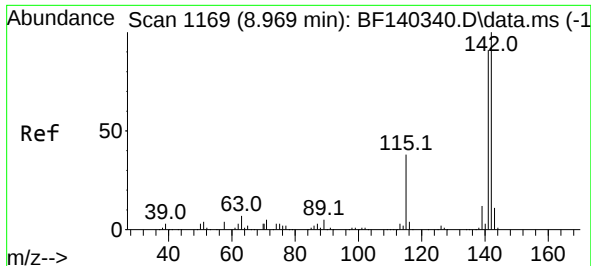
Tgt Ion:113 Resp: 7427
 Ion Ratio Lower Upper
 113 100
 55 18.4 150.0 190.0#
 56 9.2 111.1 151.1#



#37
 2-Methylnaphthalene
 Concen: 19.762 ng
 RT: 8.863 min Scan# 1151
 Delta R.T. -0.006 min
 Lab File: BF140401.D
 Acq: 15 Nov 2024 14:10

Tgt Ion:142 Resp: 303169
 Ion Ratio Lower Upper
 142 100
 141 86.7 70.4 105.6

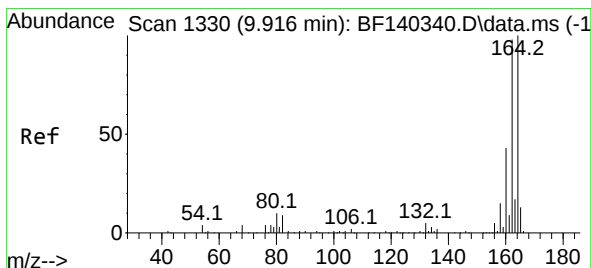
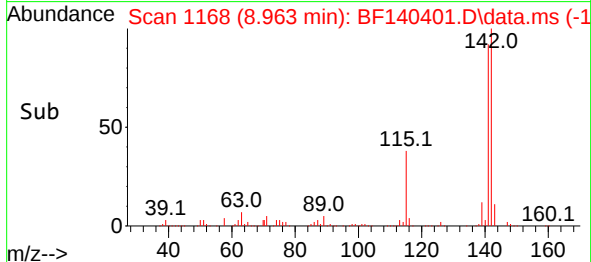
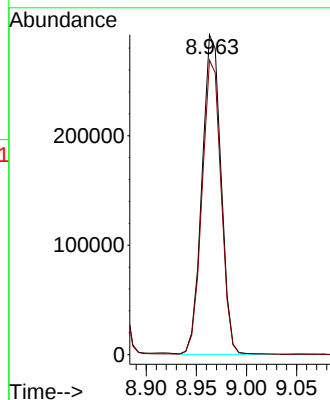
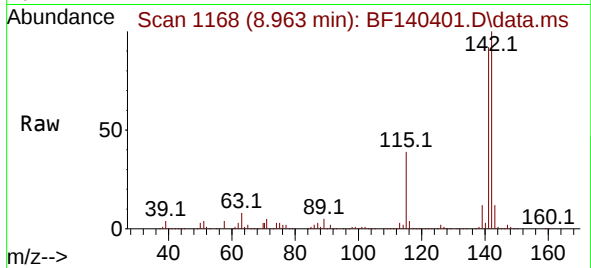




#38
1-Methylnaphthalene
Concen: 25.675 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

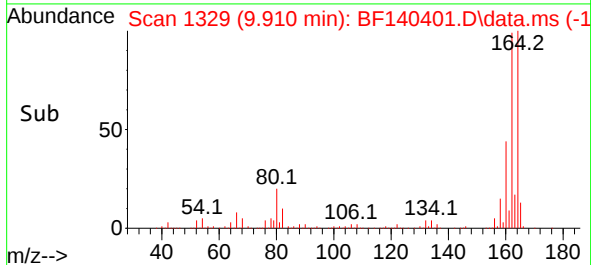
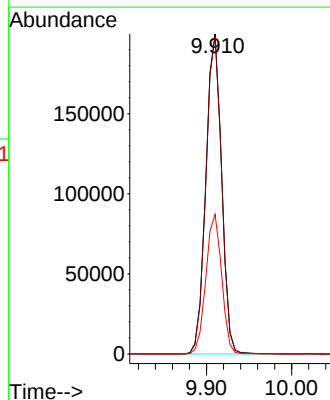
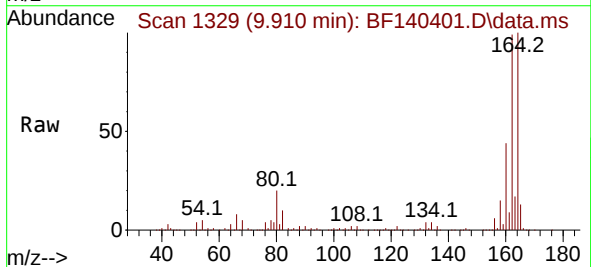
Instrument :
BNA_F
ClientSampleId :
WC-TA1-03-C

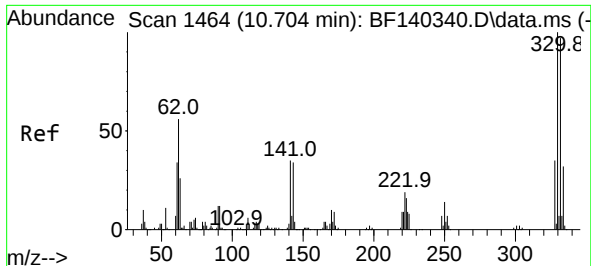
Tgt Ion:142 Resp: 385705
Ion Ratio Lower Upper
142 100
141 92.0 73.6 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

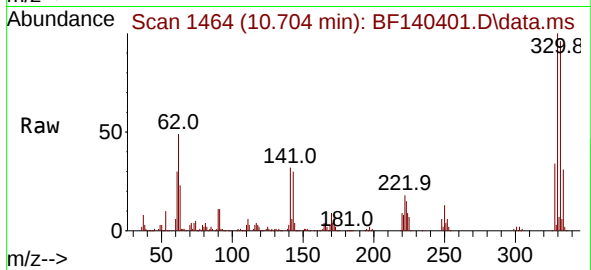
Tgt Ion:164 Resp: 256063
Ion Ratio Lower Upper
164 100
162 99.5 79.8 119.8
160 43.6 35.4 53.0



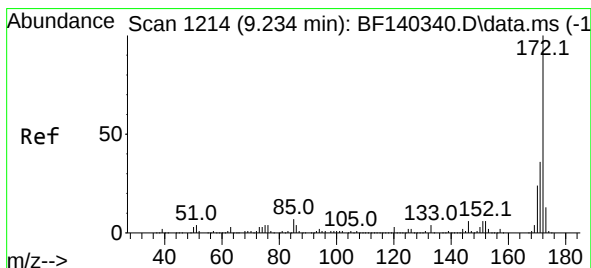
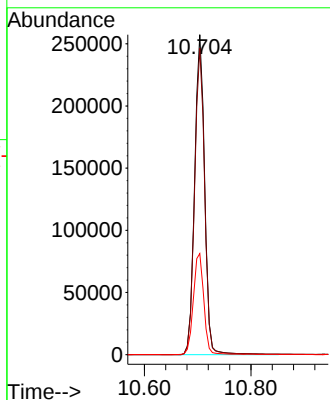
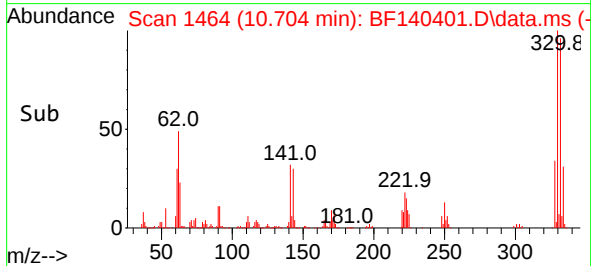


#42
2,4,6-Tribromophenol
Concen: 132.562 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

Instrument :
BNA_F
ClientSampleId :
WC-TA1-03-C

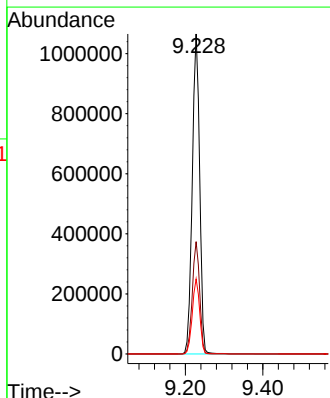
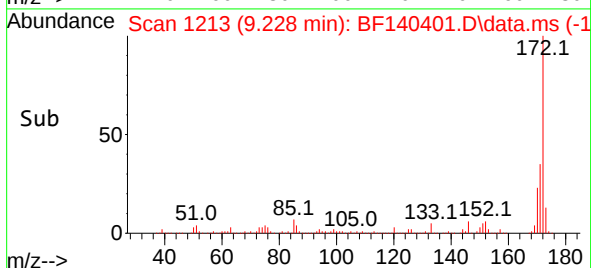
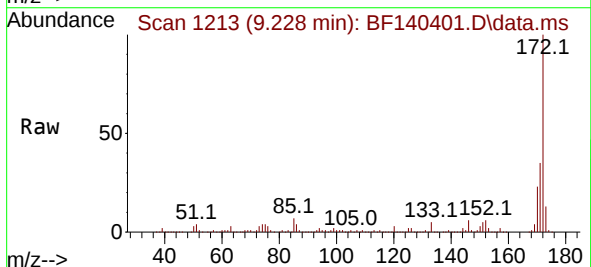


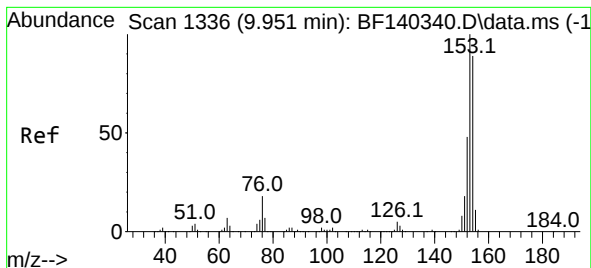
Tgt Ion: 330 Resp: 337548
Ion Ratio Lower Upper
330 100
332 96.3 75.9 113.9
141 33.0 26.9 40.3



#45
2-Fluorobiphenyl
Concen: 88.692 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

Tgt Ion: 172 Resp: 1412762
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 23.5 19.1 28.7





#52

Acenaphthene

Concen: 8.373 ng

RT: 9.939 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140401.D

Acq: 15 Nov 2024 14:10

Instrument :

BNA_F

ClientSampleId :

WC-TA1-03-C

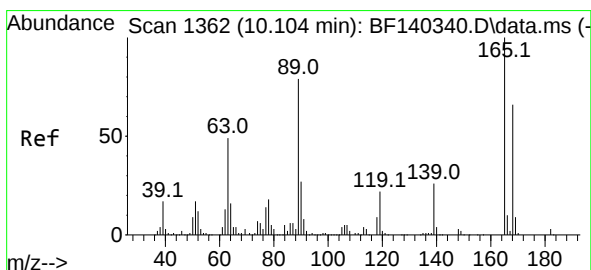
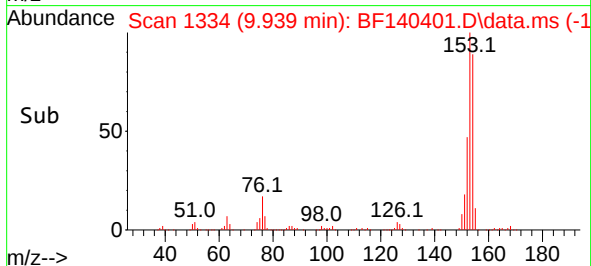
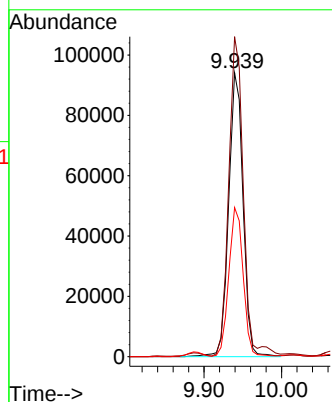
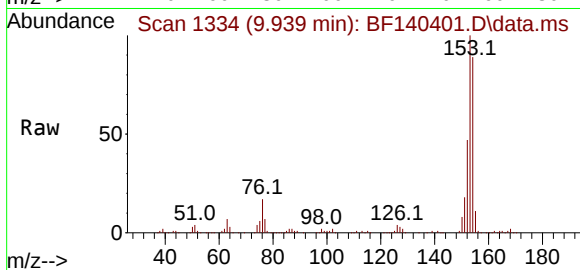
Tgt Ion:154 Resp: 121416

Ion Ratio Lower Upper

154 100

153 112.7 89.8 134.8

152 52.6 42.6 64.0



#57

2,4-Dinitrotoluene

Concen: 7.110 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF140401.D

Acq: 15 Nov 2024 14:10

Tgt Ion:165 Resp: 35603

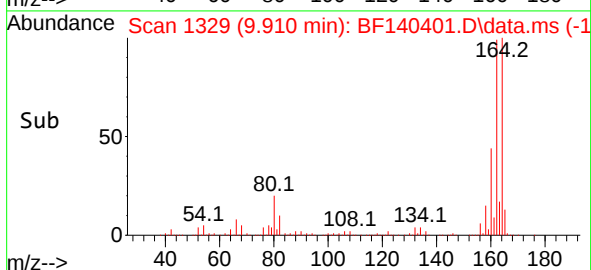
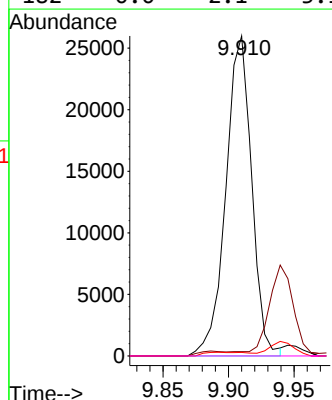
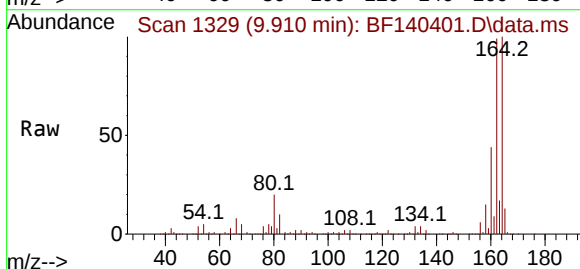
Ion Ratio Lower Upper

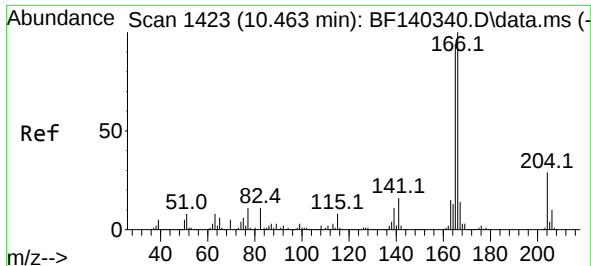
165 100

63 1.4 39.4 59.0#

89 1.1 62.4 93.6#

182 0.0 2.1 3.1#

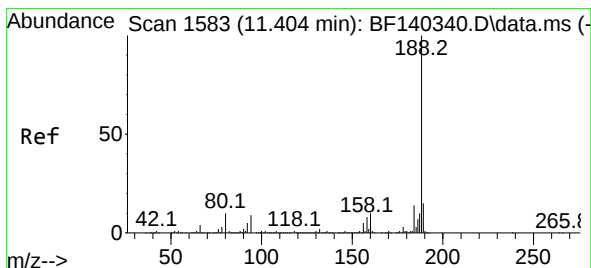
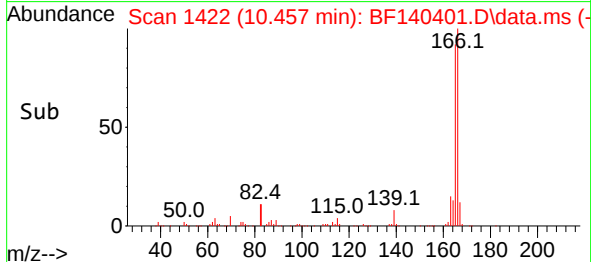
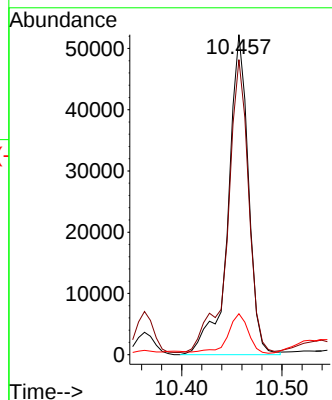
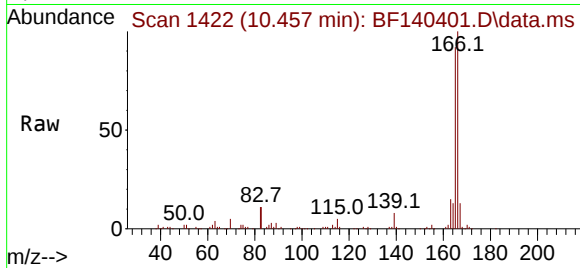




#58
 Fluorene
 Concen: 4.552 ng
 RT: 10.457 min Scan# 1422
 Delta R.T. -0.006 min
 Lab File: BF140401.D
 Acq: 15 Nov 2024 14:10

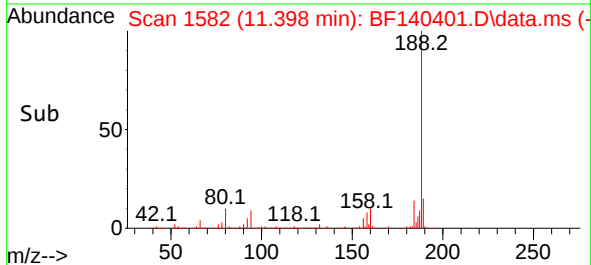
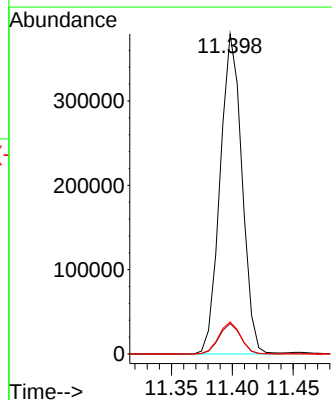
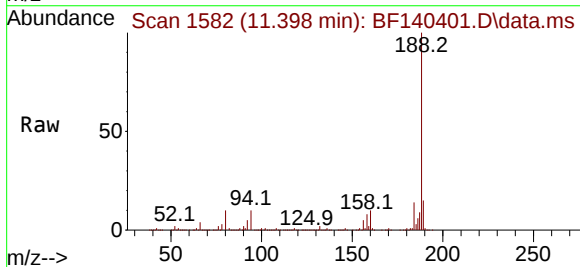
Instrument :
 BNA_F
 ClientSampleId :
 WC-TA1-03-C

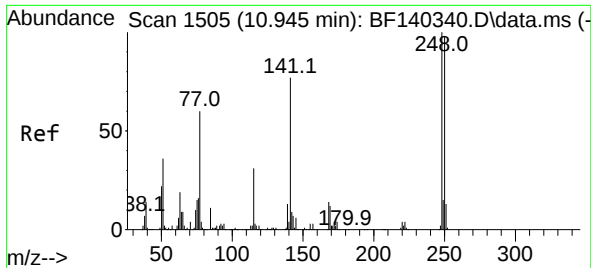
Tgt Ion:166 Resp: 73822
 Ion Ratio Lower Upper
 166 100
 165 92.2 73.9 110.9
 167 12.8 10.9 16.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF140401.D
 Acq: 15 Nov 2024 14:10

Tgt Ion:188 Resp: 474276
 Ion Ratio Lower Upper
 188 100
 94 9.5 7.6 11.4
 80 10.0 8.0 12.0

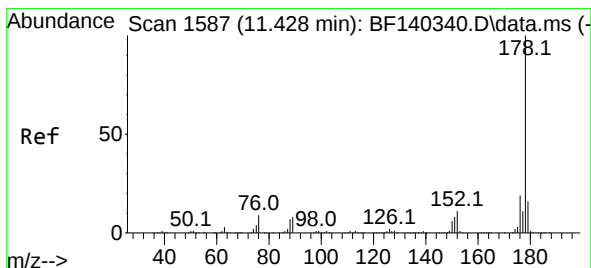
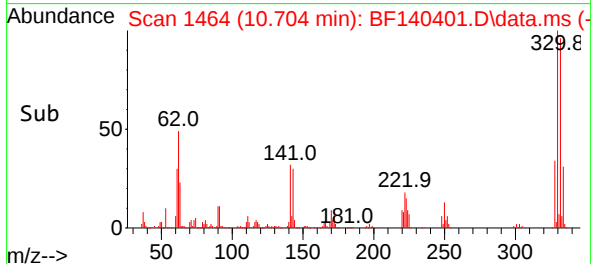
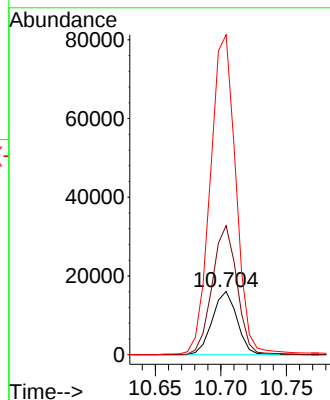
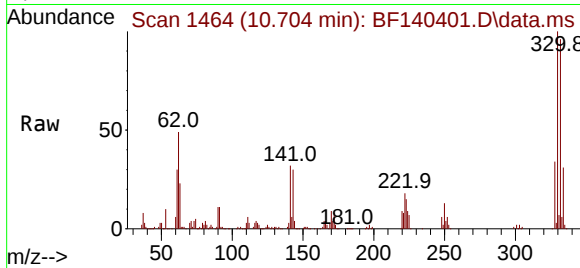




#67
4-Bromophenyl-phenylether
Concen: 4.424 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

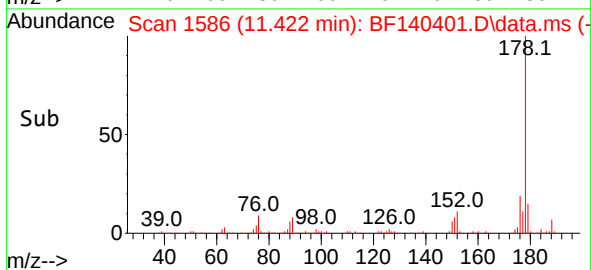
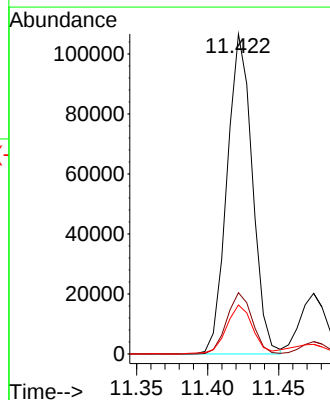
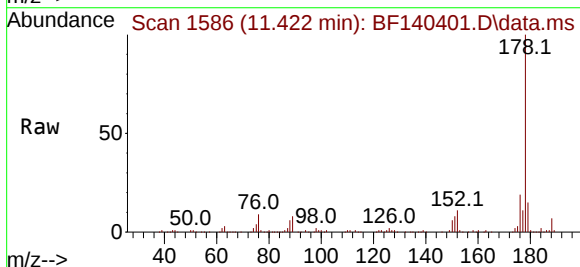
Instrument :
BNA_F
ClientSampleId :
WC-TA1-03-C

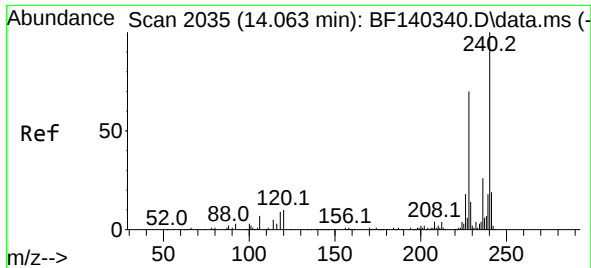
Tgt Ion:248 Resp: 20974
Ion Ratio Lower Upper
248 100
250 204.1 77.9 116.9#
141 506.2 61.8 92.6#



#71
Phenanthrene
Concen: 5.932 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

Tgt Ion:178 Resp: 132157
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.3 12.4 18.6

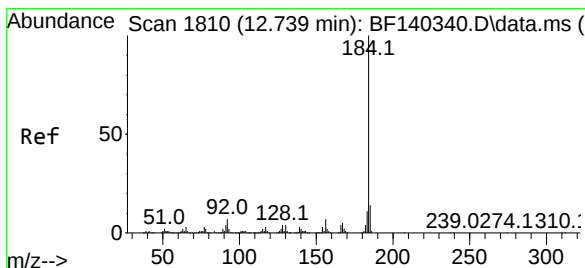
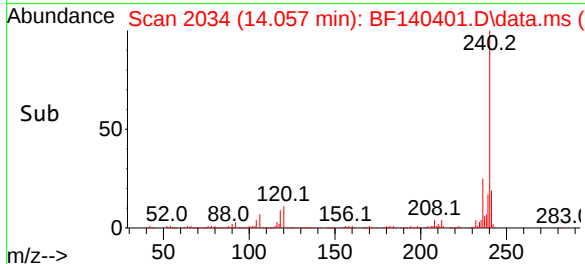
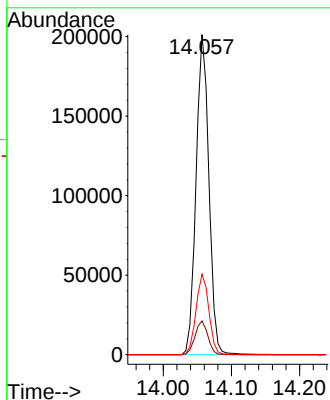
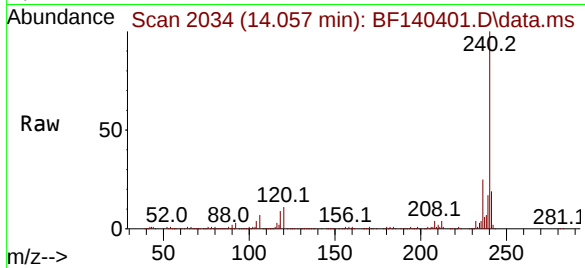




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

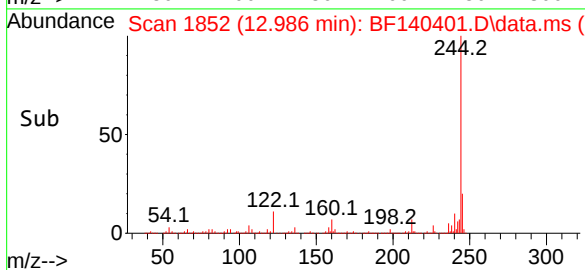
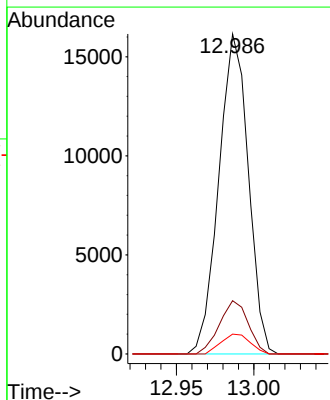
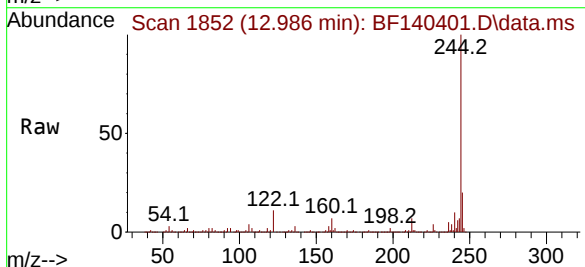
Instrument :
BNA_F
ClientSampleId :
WC-TA1-03-C

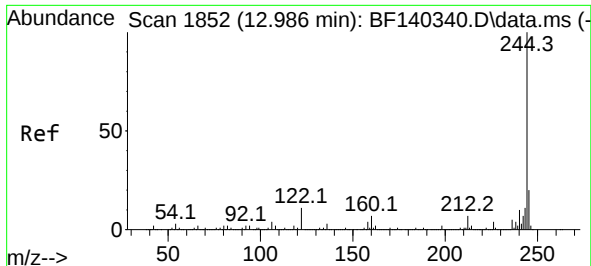
Tgt Ion:240 Resp: 262792
Ion Ratio Lower Upper
240 100
120 10.5 8.8 13.2
236 25.2 20.9 31.3



#77
Benzidine
Concen: 2.116 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.253 min
Lab File: BF140401.D
Acq: 15 Nov 2024 14:10

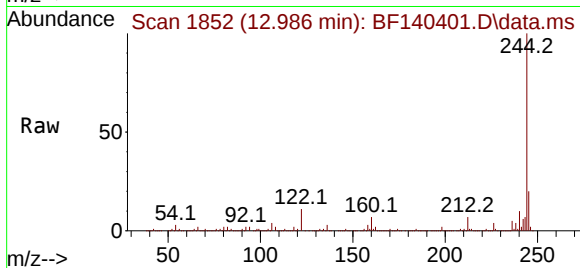
Tgt Ion:184 Resp: 21347
Ion Ratio Lower Upper
184 100
185 16.6 11.9 17.9
183 6.2 8.6 13.0#



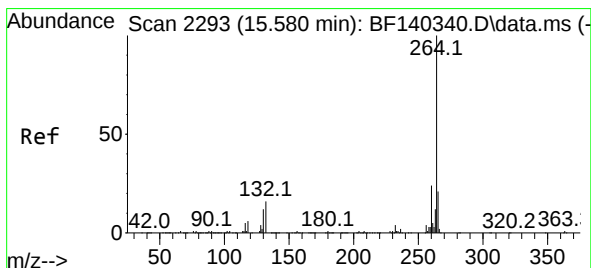
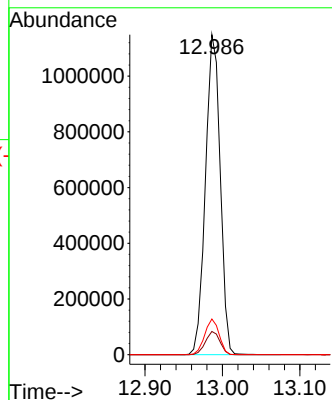
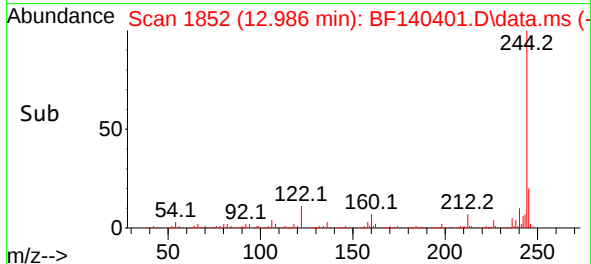


#79
 Terphenyl-d14
 Concen: 100.301 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF140401.D
 Acq: 15 Nov 2024 14:10

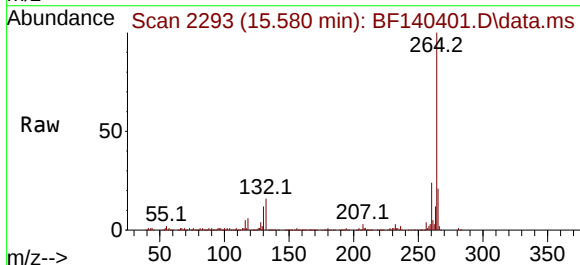
Instrument :
 BNA_F
 ClientSampleId :
 WC-TA1-03-C



Tgt Ion:244 Resp: 1518518
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.1 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.580 min Scan# 2293
 Delta R.T. 0.024 min
 Lab File: BF140401.D
 Acq: 15 Nov 2024 14:10



Tgt Ion:264 Resp: 270502
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.5 17.1 25.7

