

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140295.D
 Acq On : 08 Nov 2024 13:40
 Operator : RC/JU
 Sample : P4739-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-14

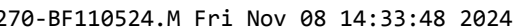
Quant Time: Nov 08 14:31:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

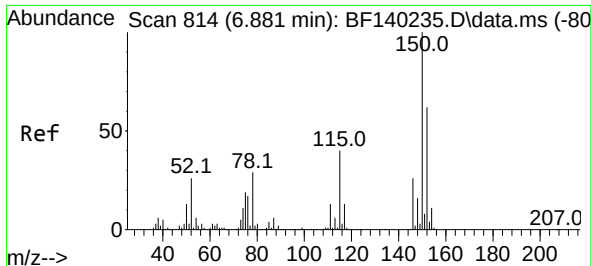
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	114424	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	407029	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	211584	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	303754	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	255769	20.000	ng	# 0.00
86) Perylene-d12	15.568	264	293272	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	603950	87.470	ng	0.00
7) Phenol-d6	6.498	99	774419	87.199	ng	0.00
23) Nitrobenzene-d5	7.434	82	523470	63.942	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	165282	79.029	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	845702	63.824	ng	0.00
79) Terphenyl-d14	13.004	244	702388	44.986	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.410	117	29879	9.394	ng	# 1
19) n-Nitroso-di-n-propyla...	7.304	70	17343	3.061	ng	# 67
25) Isophorone	7.687	82	47183	3.347	ng	# 1
26) 2-Nitrophenol	7.775	139	6988	2.045	ng	# 1
27) 2,4-Dimethylphenol	7.816	122	10600	2.280	ng	# 1
32) Benzoic acid	7.951	122	8152	2.137	ng	# 13
35) Caprolactam	8.581	113	118513	67.742	ng	# 31
36) 4-Chloro-3-methylphenol	8.710	107	17078	2.667	ng	# 31
37) 2-Methylnaphthalene	8.975	142	97938	7.140	ng	92
38) 1-Methylnaphthalene	8.975	142	97938	7.284	ng	95
53) 3-Nitroaniline	9.875	138	7752	2.688	ng	# 28
54) 2,4-Dinitrophenol	9.851	184	1304	6.932	ng	# 1
56) 4-Nitrophenol	10.028	139	17639	8.698	ng	# 1
57) 2,4-Dinitrotoluene	10.128	165	11007	2.769	ng	# 63
58) Fluorene	10.475	166	51212	3.980	ng	# 66
62) 4-Nitroaniline	10.386	138	8565	2.988	ng	90
63) Azobenzene	10.633	77	57802	4.306	ng	# 1
66) n-Nitrosodiphenylamine	10.586	169	147086	16.836	ng	# 48
71) Phenanthrene	11.439	178	189723	13.088	ng	# 88
75) Fluoranthene	12.633	202	42604	2.811	ng	66
78) Pyrene	12.863	202	75349	3.568	ng	# 80
81) Benzo(a)anthracene	14.057	228	41395	2.522	ng	# 56
83) Chrysene	14.092	228	50411	3.280	ng	# 64
88) Benzo(b)fluoranthene	15.133	252	35569	2.005	ng	# 20
89) Benzo(k)fluoranthene	15.133	252	35569	2.185	ng	# 20

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

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QLast Update : Tue Nov 05 16:47:56 2024
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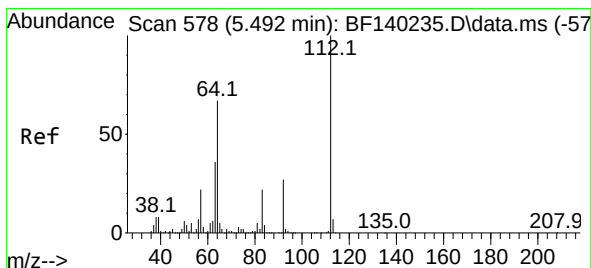
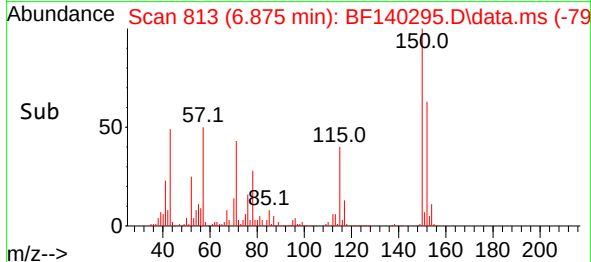
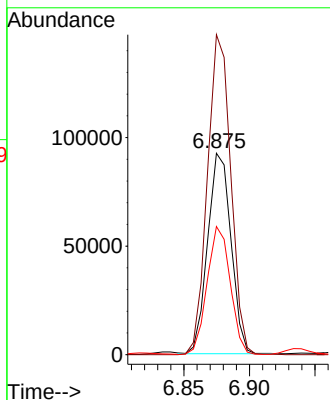
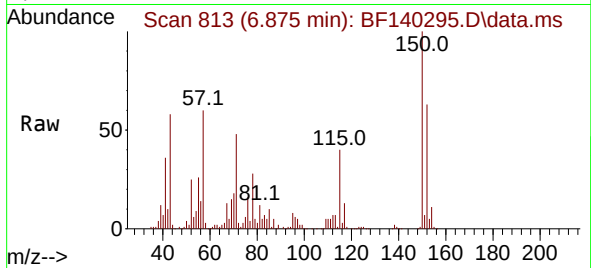




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF140295.D
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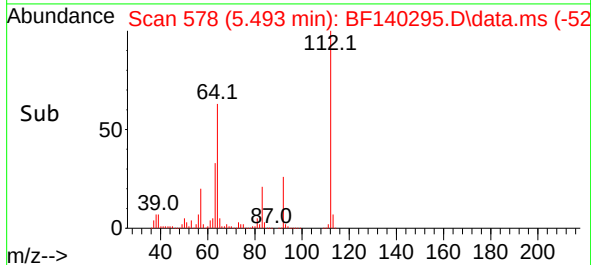
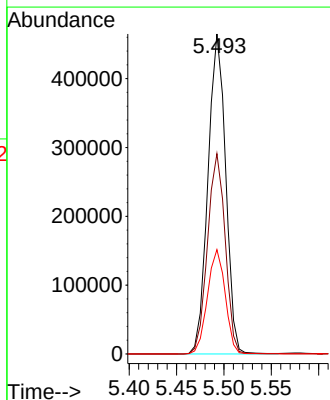
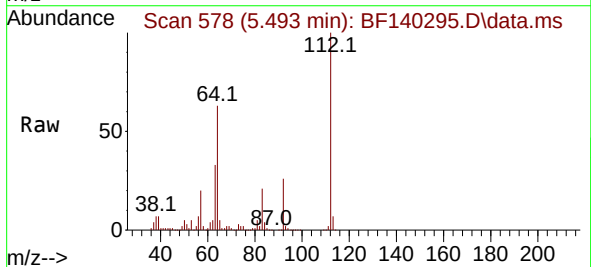
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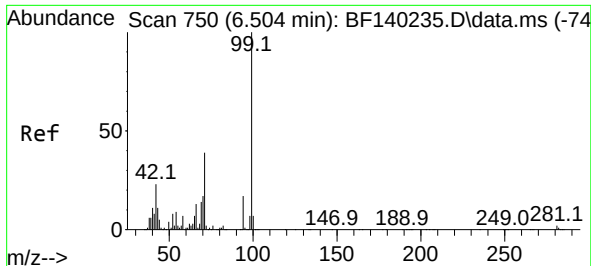
Tgt Ion:152 Resp: 114424
 Ion Ratio Lower Upper
 152 100
 150 158.8 129.4 194.2
 115 63.7 51.5 77.3



#5
 2-Fluorophenol
 Concen: 87.470 ng
 RT: 5.493 min Scan# 578
 Delta R.T. 0.000 min
 Lab File: BF140295.D
 Acq: 08 Nov 2024 13:40

Tgt Ion:112 Resp: 603950
 Ion Ratio Lower Upper
 112 100
 64 62.6 53.4 80.2
 63 32.6 28.9 43.3

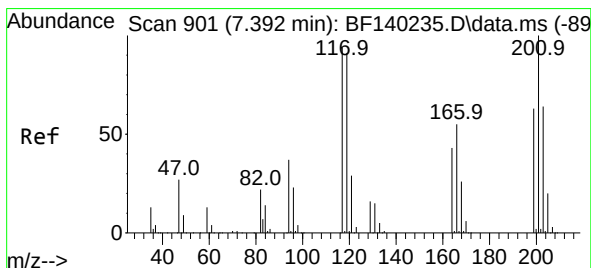
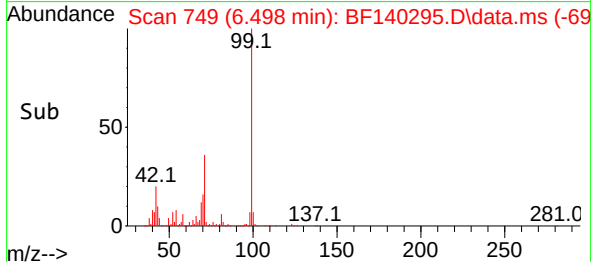
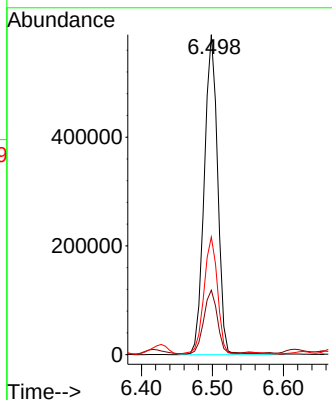
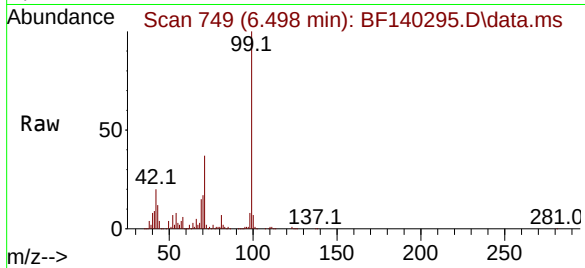




#7
Phenol-d6
Concen: 87.199 ng
RT: 6.498 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

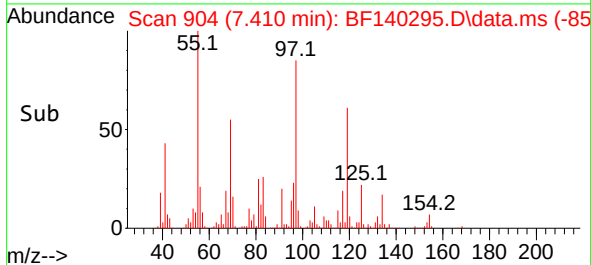
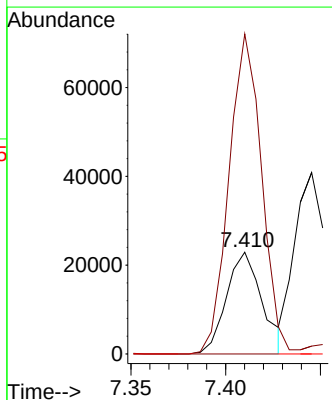
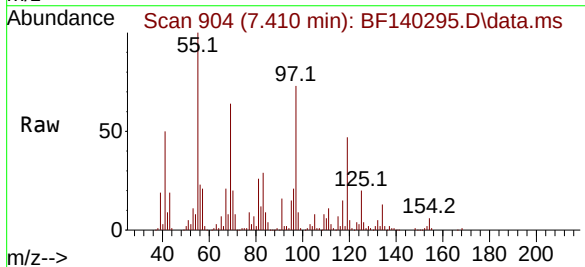
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ClientSampleId :
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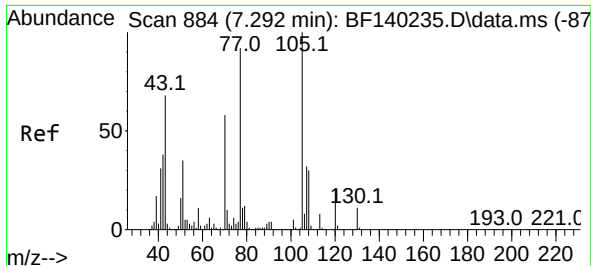
Tgt Ion: 99 Resp: 774419
Ion Ratio Lower Upper
99 100
42 20.1 18.2 27.2
71 36.8 30.9 46.3



#18
Hexachloroethane
Concen: 9.394 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.018 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

Tgt Ion: 117 Resp: 29879
Ion Ratio Lower Upper
117 100
119 314.5 77.3 115.9#
201 0.0 85.1 127.7#

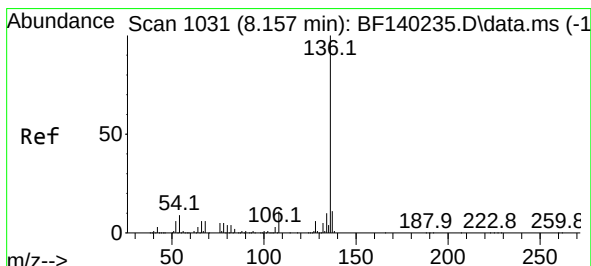
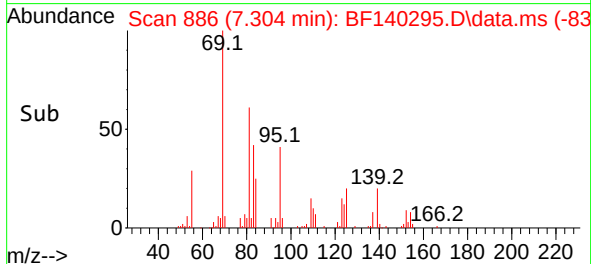
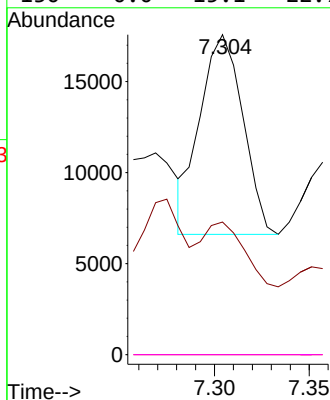
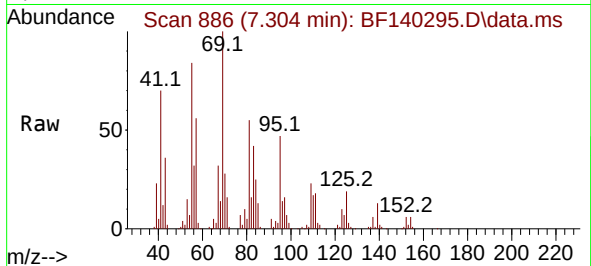




#19
n-Nitroso-di-n-propylamine
Concen: 3.061 ng
RT: 7.304 min Scan# 884
Delta R.T. 0.012 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

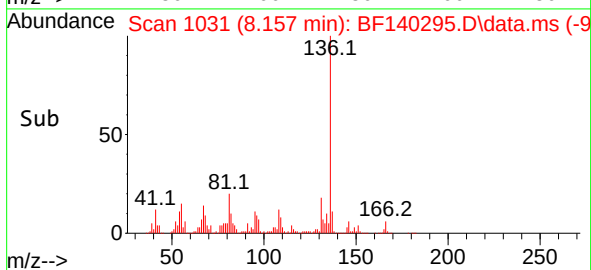
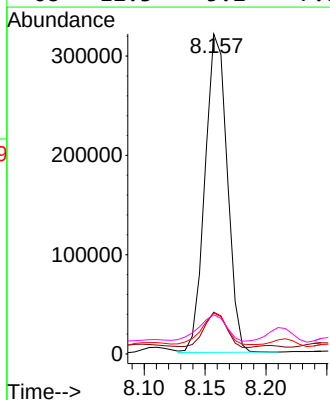
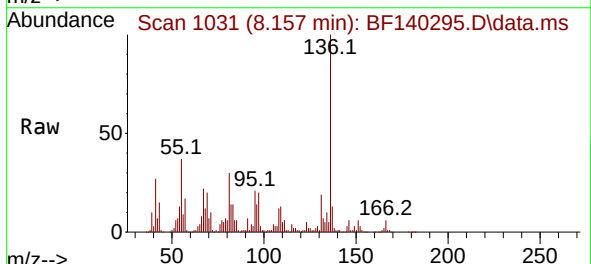
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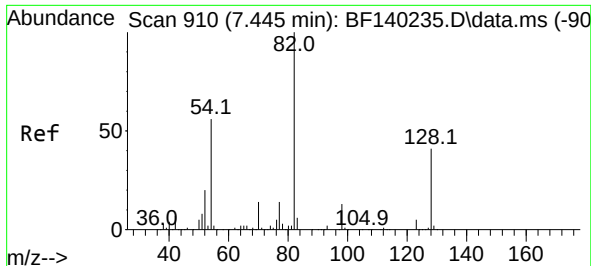
Tgt Ion: 70 Resp: 17343
Ion Ratio Lower Upper
70 100
42 41.4 52.8 79.2#
101 0.0 7.4 11.2#
130 0.0 15.1 22.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

Tgt Ion: 136 Resp: 407029
Ion Ratio Lower Upper
136 100
137 13.1 9.0 13.6
54 12.8 7.7 11.5#
68 12.3 5.2 7.8#

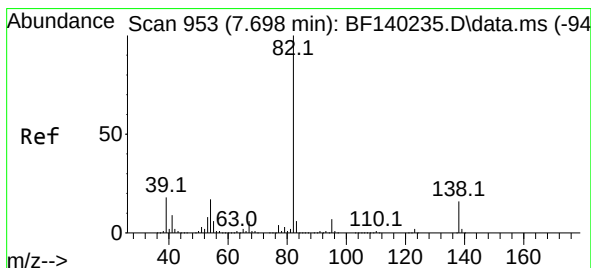
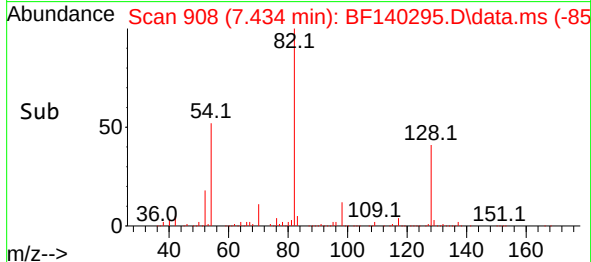
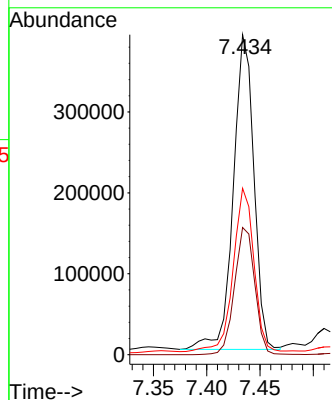
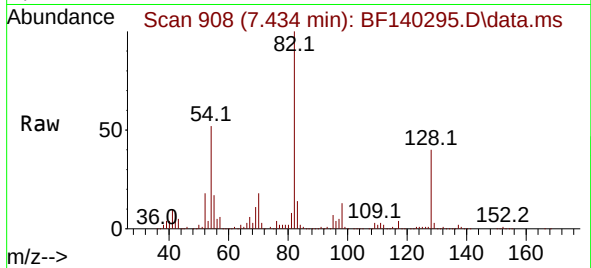




#23
Nitrobenzene-d5
Concen: 63.942 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

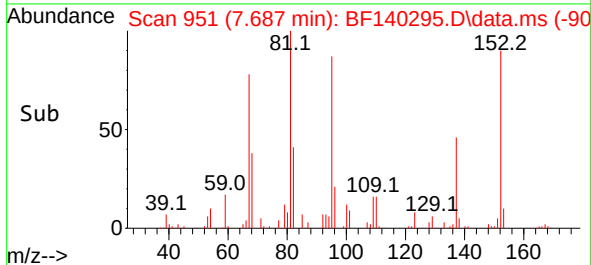
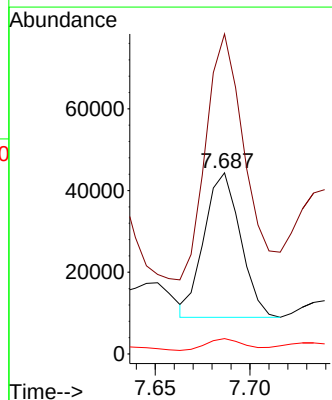
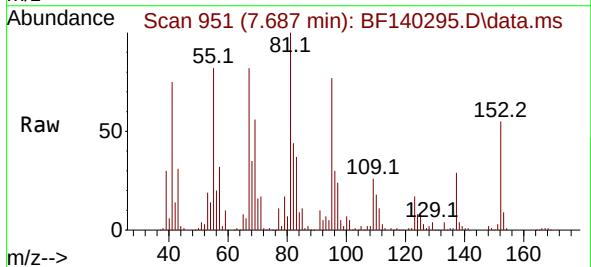
Instrument :
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ClientSampleId :
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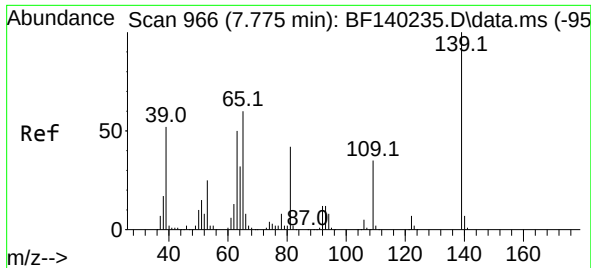
Tgt Ion: 82 Resp: 523470
Ion Ratio Lower Upper
82 100
128 39.8 32.8 49.2
54 52.0 44.3 66.5



#25
Isophorone
Concen: 3.347 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.012 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

Tgt Ion: 82 Resp: 47183
Ion Ratio Lower Upper
82 100
95 176.7 6.0 9.0#
138 8.5 12.9 19.3#

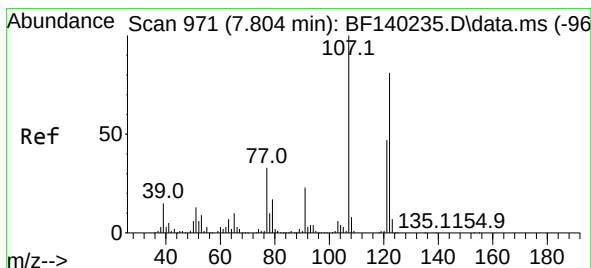
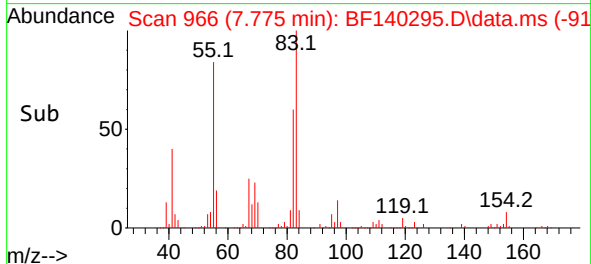
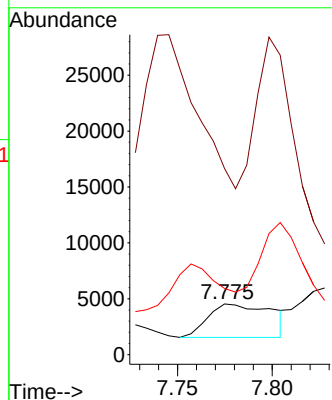
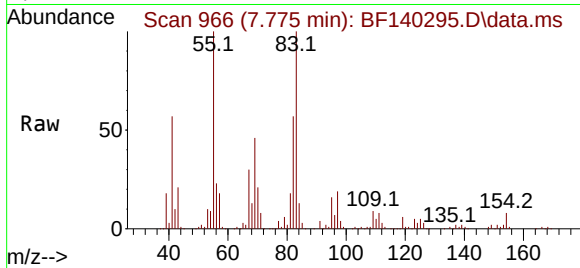




#26
2-Nitrophenol
Concen: 2.045 ng
RT: 7.775 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

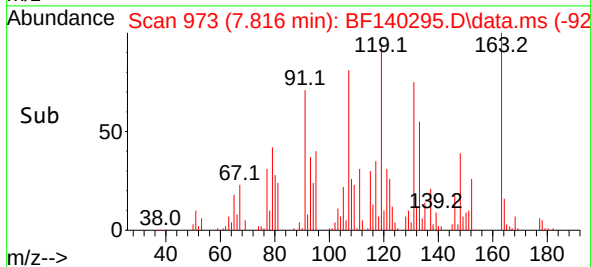
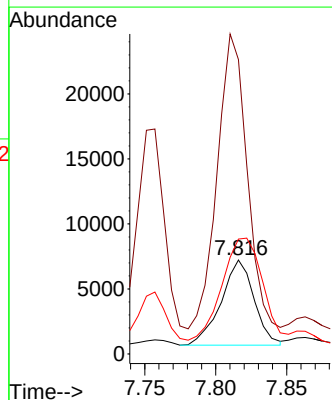
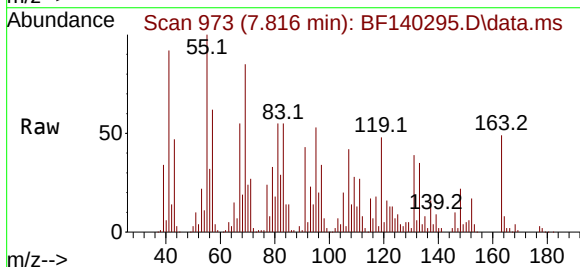
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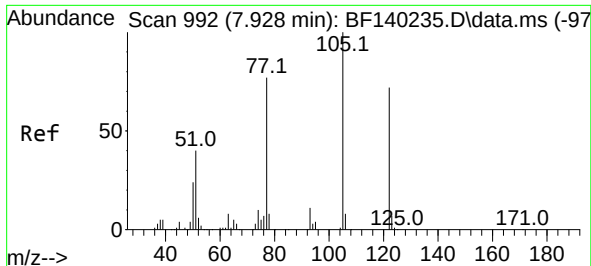
Tgt Ion:139 Resp: 6988
Ion Ratio Lower Upper
139 100
109 367.3 27.8 41.8#
65 130.8 48.2 72.2#



#27
2,4-Dimethylphenol
Concen: 2.280 ng
RT: 7.816 min Scan# 973
Delta R.T. 0.012 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

Tgt Ion:122 Resp: 10600
Ion Ratio Lower Upper
122 100
107 313.7 99.4 149.0#
121 122.5 47.1 70.7#

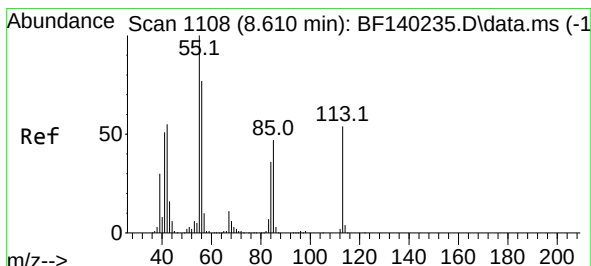
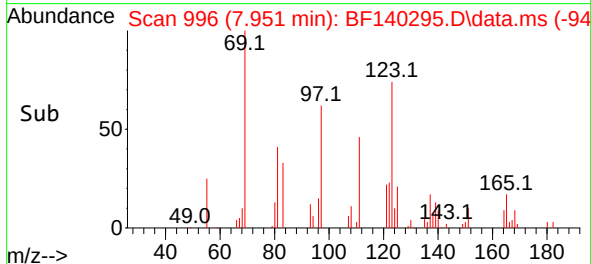
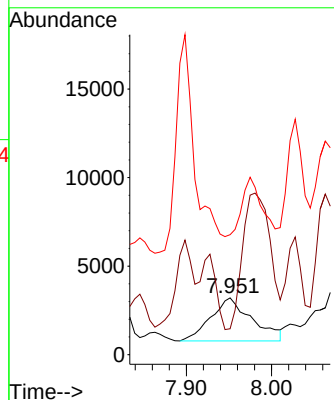
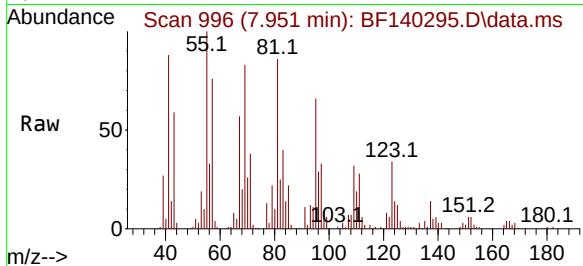




#32
Benzoic acid
Concen: 2.137 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.023 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

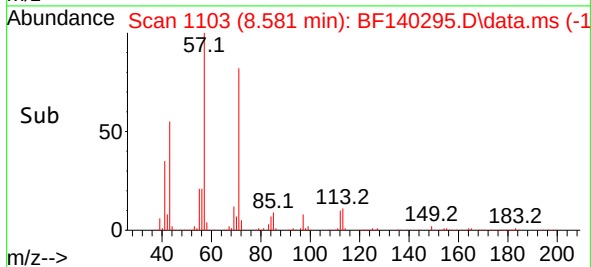
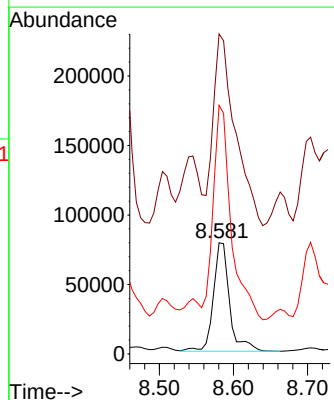
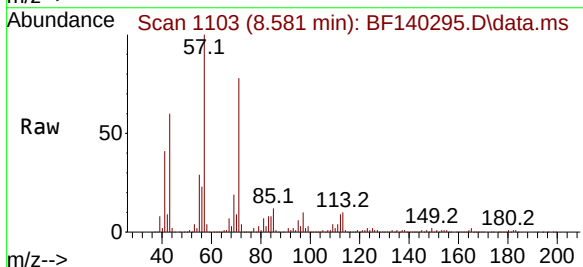
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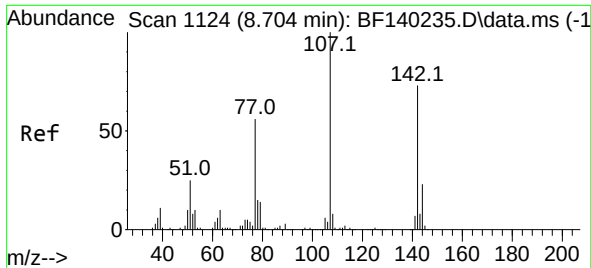
Tgt Ion:122 Resp: 8152
Ion Ratio Lower Upper
122 100
105 45.7 112.6 152.6#
77 211.5 84.3 124.3#



#35
Caprolactam
Concen: 67.742 ng
RT: 8.581 min Scan# 1103
Delta R.T. -0.029 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

Tgt Ion:113 Resp: 118513
Ion Ratio Lower Upper
113 100
55 287.7 165.2 205.2#
56 223.5 122.1 162.1#

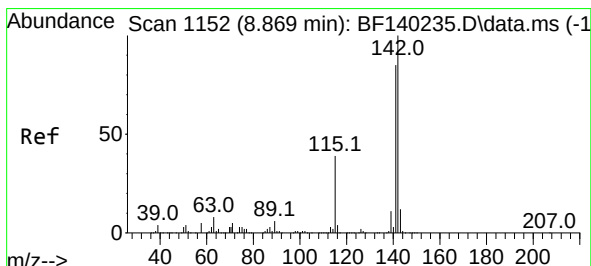
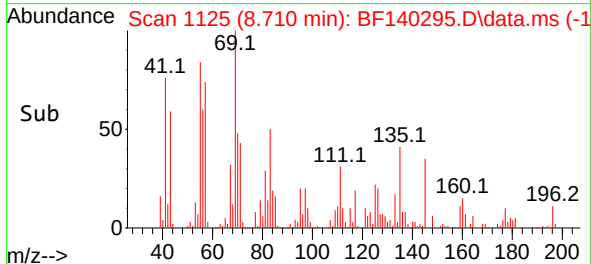
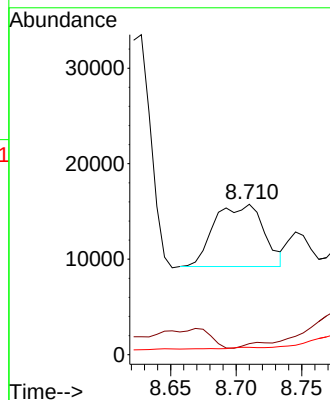
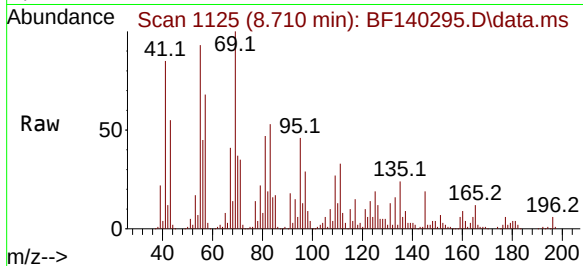




#36
4-Chloro-3-methylphenol
Concen: 2.667 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.006 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

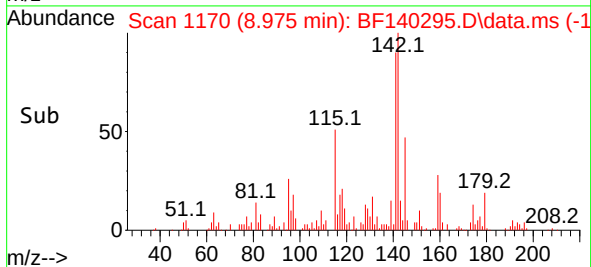
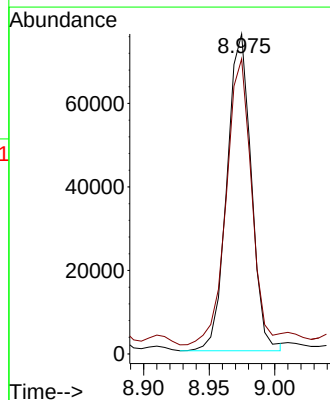
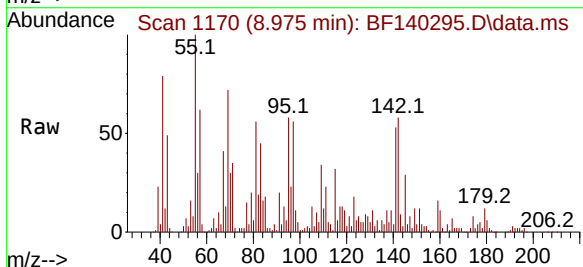
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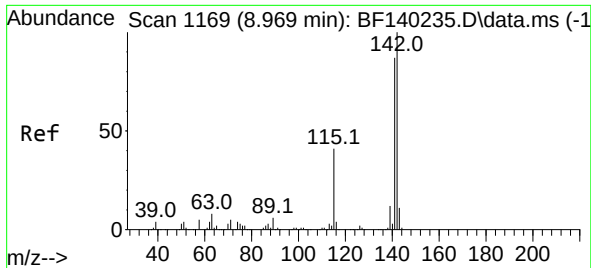
Tgt Ion:107 Resp: 17078
Ion Ratio Lower Upper
107 100
144 7.4 18.6 27.8#
142 4.9 58.1 87.1#



#37
2-Methylnaphthalene
Concen: 7.140 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.106 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

Tgt Ion:142 Resp: 97938
Ion Ratio Lower Upper
142 100
141 92.2 67.8 101.8

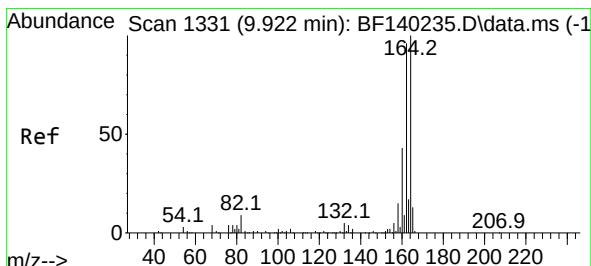
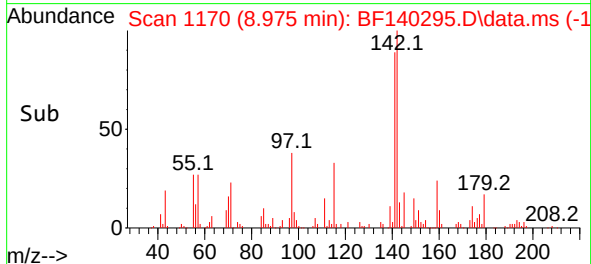
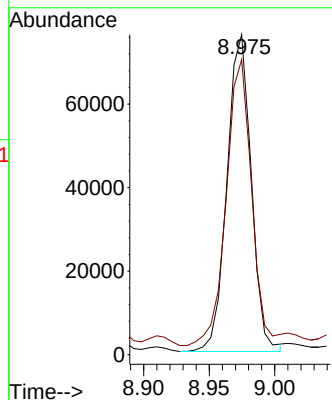
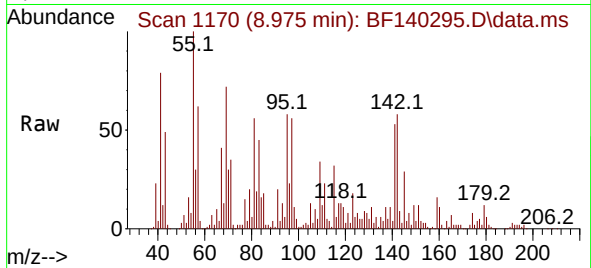




#38
1-Methylnaphthalene
Concen: 7.284 ng
RT: 8.975 min Scan# 1169
Delta R.T. 0.006 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

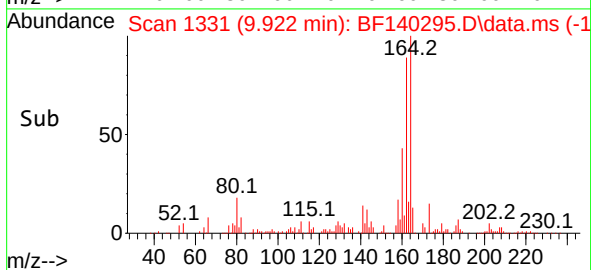
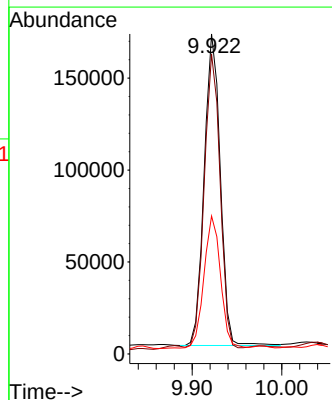
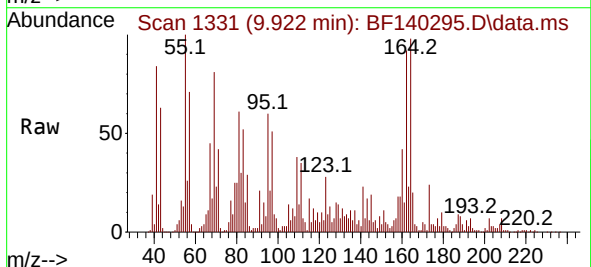
Instrument :
BNA_F
ClientSampleId :
TP-14

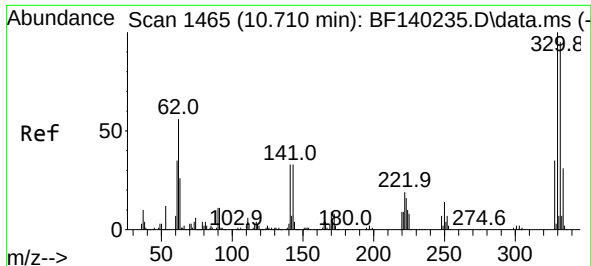
Tgt Ion:142 Resp: 97938
Ion Ratio Lower Upper
142 100
141 92.2 69.7 104.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

Tgt Ion:164 Resp: 211584
Ion Ratio Lower Upper
164 100
162 93.7 77.0 115.4
160 43.1 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 79.029 ng

RT: 10.716 min Scan# 1465

Delta R.T. 0.006 min

Lab File: BF140295.D

Acq: 08 Nov 2024 13:40

Instrument :

BNA_F

ClientSampleId :

TP-14

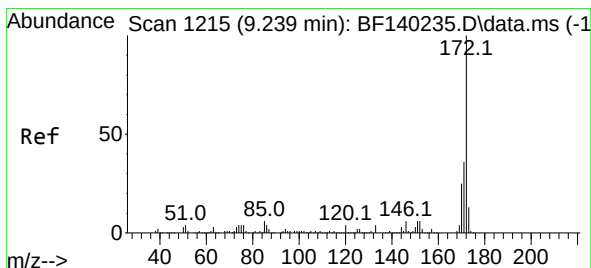
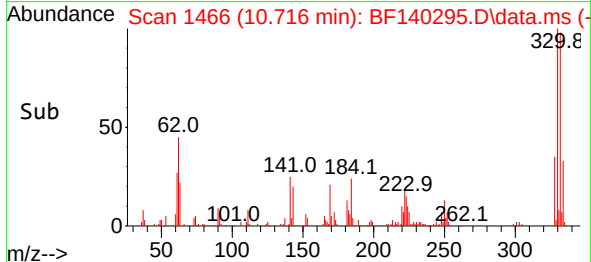
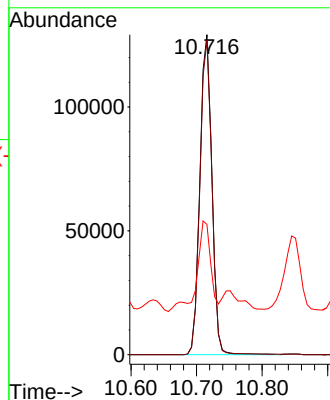
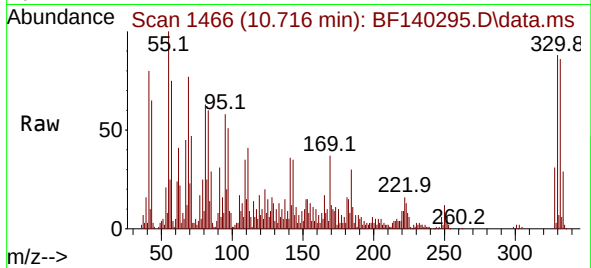
Tgt Ion:330 Resp: 165282

Ion Ratio Lower Upper

330 100

332 98.0 76.4 114.6

141 24.0 27.0 40.4#



#45

2-Fluorobiphenyl

Concen: 63.824 ng

RT: 9.239 min Scan# 1215

Delta R.T. 0.000 min

Lab File: BF140295.D

Acq: 08 Nov 2024 13:40

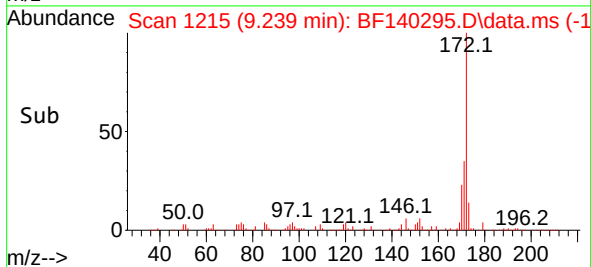
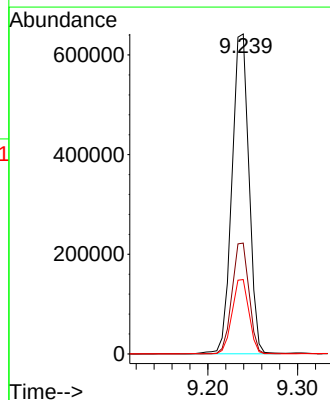
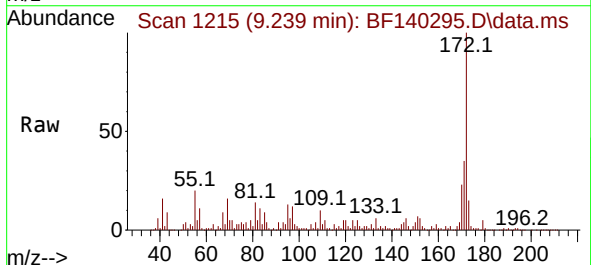
Tgt Ion:172 Resp: 845702

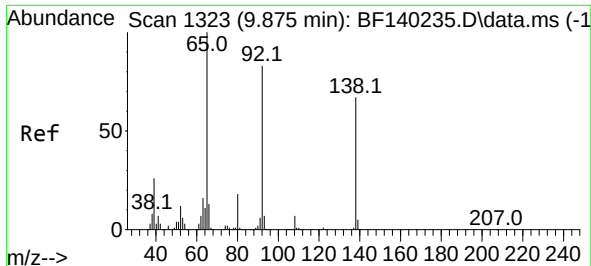
Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

170 23.2 19.6 29.4

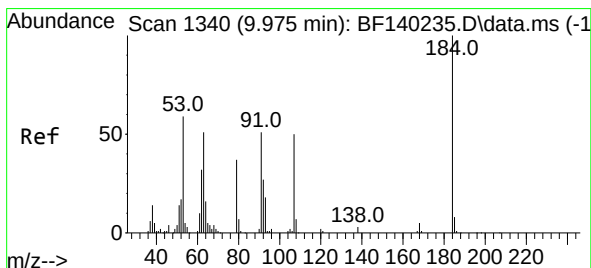
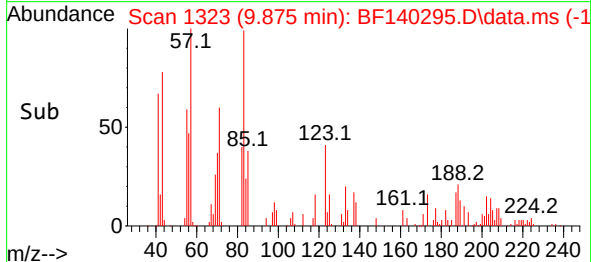
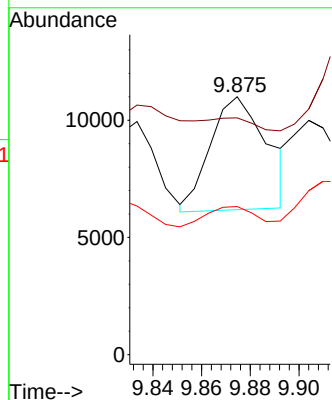
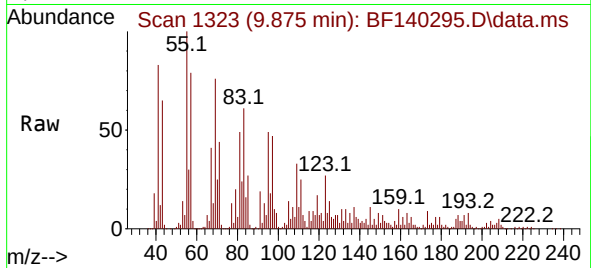




#53
3-Nitroaniline
Concen: 2.688 ng
RT: 9.875 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

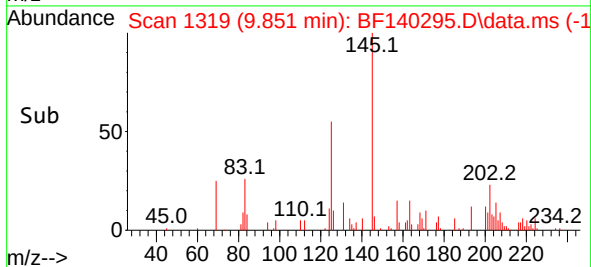
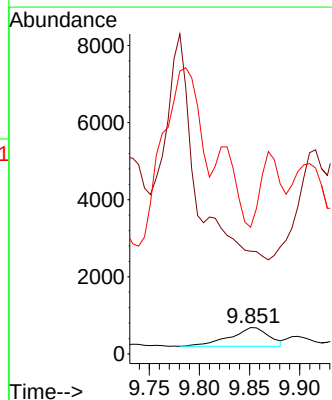
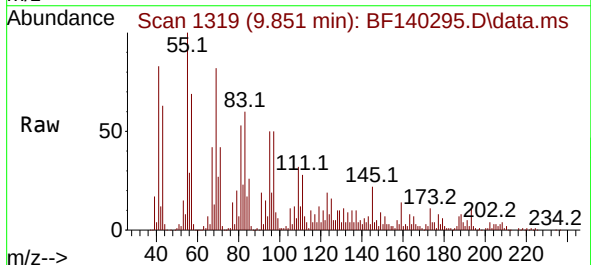
Instrument :
BNA_F
ClientSampleId :
TP-14

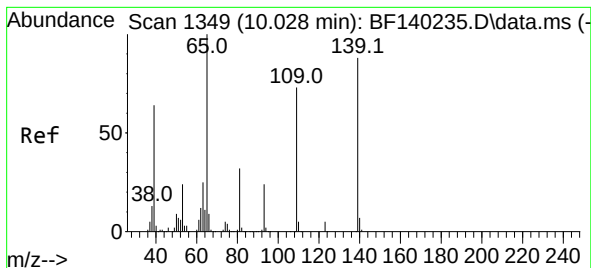
Tgt Ion:138 Resp: 7752
Ion Ratio Lower Upper
138 100
108 91.8 8.8 13.2#
92 57.4 100.0 150.0#



#54
2,4-Dinitrophenol
Concen: 6.932 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.124 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

Tgt Ion:184 Resp: 1304
Ion Ratio Lower Upper
184 100
63 389.3 60.1 90.1#
154 480.3 66.3 99.5#

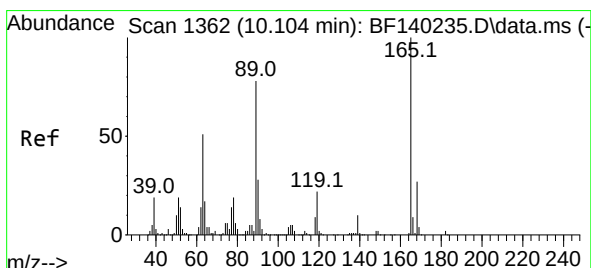
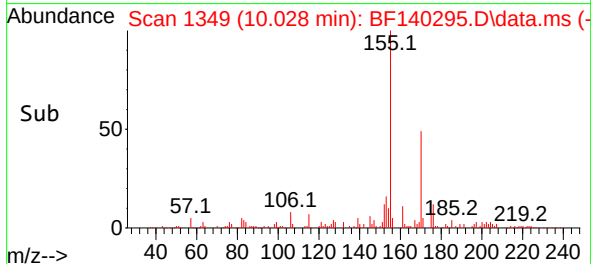
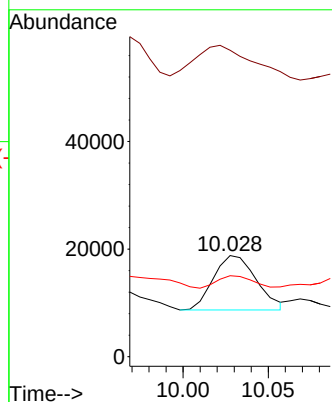
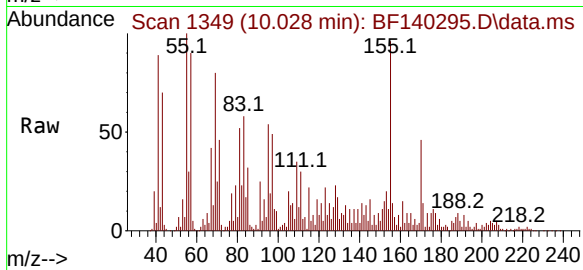




#56
4-Nitrophenol
Concen: 8.698 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

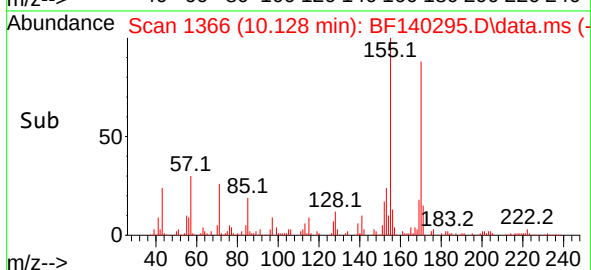
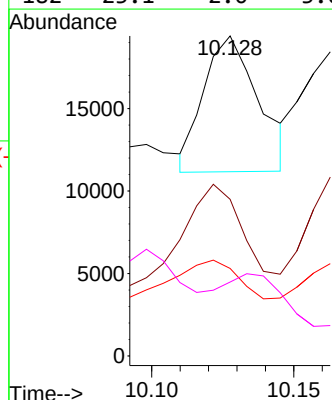
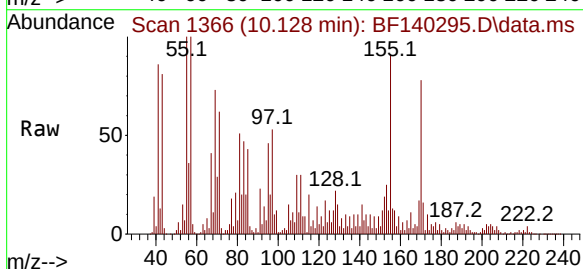
Instrument :
BNA_F
ClientSampleId :
TP-14

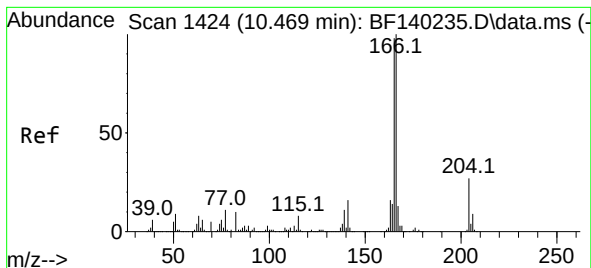
Tgt Ion:139 Resp: 17639
Ion Ratio Lower Upper
139 100
109 302.8 63.8 103.8#
65 80.0 94.7 134.7#



#57
2,4-Dinitrotoluene
Concen: 2.769 ng
RT: 10.128 min Scan# 1366
Delta R.T. 0.024 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

Tgt Ion:165 Resp: 11007
Ion Ratio Lower Upper
165 100
63 48.9 41.3 61.9
89 27.3 62.6 94.0#
182 23.1 2.0 3.0#





#58

Fluorene

Concen: 3.980 ng

RT: 10.475 min Scan# 1410

Delta R.T. 0.006 min

Lab File: BF140295.D

Acq: 08 Nov 2024 13:40

Instrument :

BNA_F

ClientSampleId :

TP-14

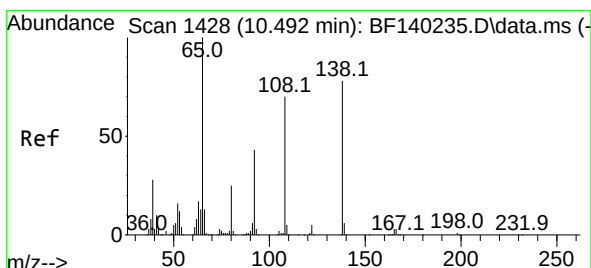
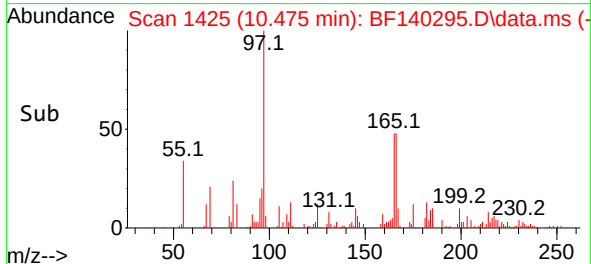
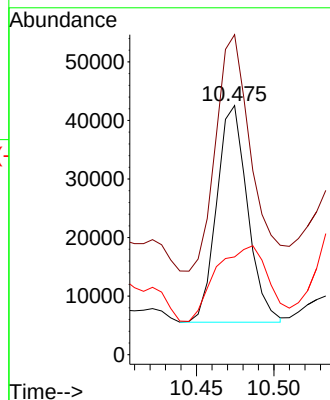
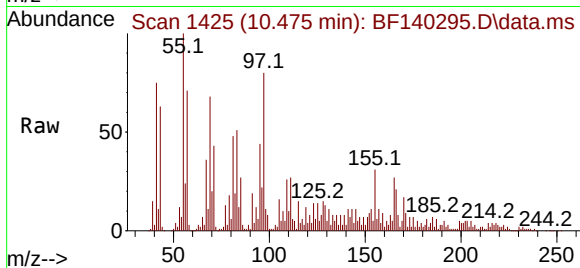
Tgt Ion:166 Resp: 51212

Ion Ratio Lower Upper

166 100

165 128.4 78.7 118.1#

167 39.2 10.8 16.2#



#62

4-Nitroaniline

Concen: 2.988 ng

RT: 10.386 min Scan# 1410

Delta R.T. -0.106 min

Lab File: BF140295.D

Acq: 08 Nov 2024 13:40

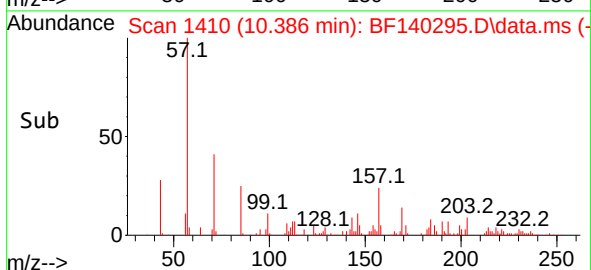
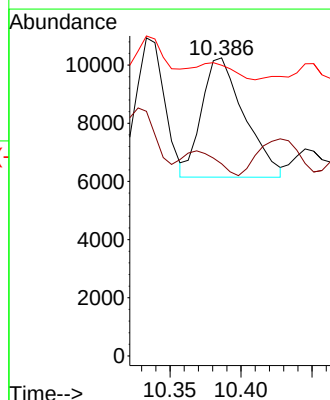
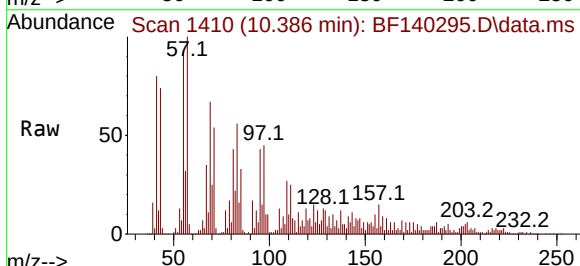
Tgt Ion:138 Resp: 8565

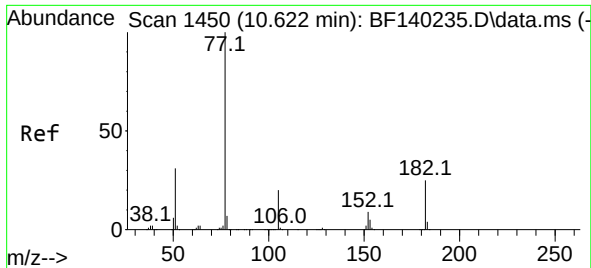
Ion Ratio Lower Upper

138 100

92 64.5 35.3 75.3

108 97.6 70.1 110.1

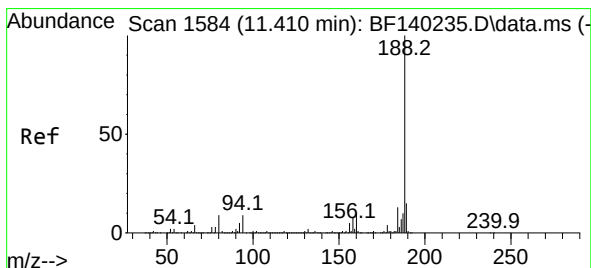
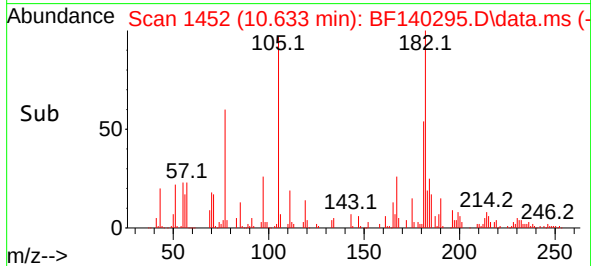
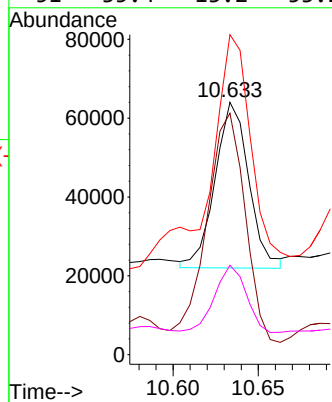
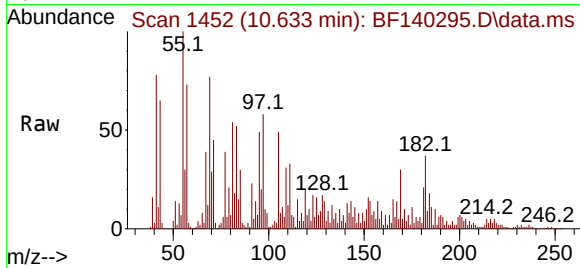




#63
Azobenzene
Concen: 4.306 ng
RT: 10.633 min Scan# 1450
Delta R.T. 0.012 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

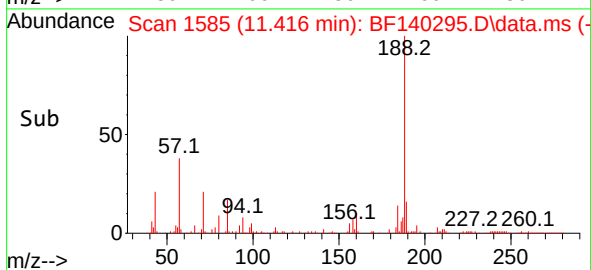
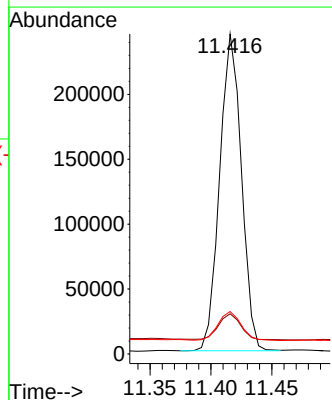
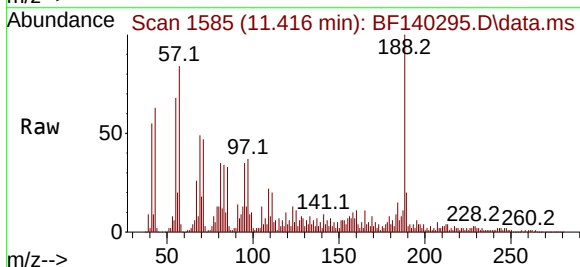
Instrument :
BNA_F
ClientSampleId :
TP-14

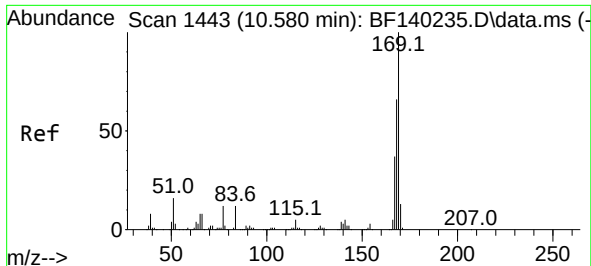
Tgt Ion: 77	Resp: 57802
Ion Ratio	Lower Upper
77	100
182	95.7 4.7 44.7#
105	126.8 0.0 40.0#
51	35.4 13.2 53.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

Tgt Ion: 188	Resp: 303754
Ion Ratio	Lower Upper
188	100
94	12.6 6.9 10.3#
80	13.3 7.5 11.3#

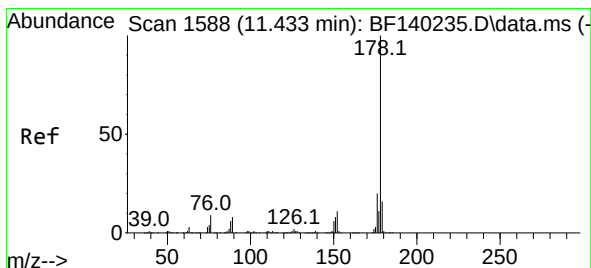
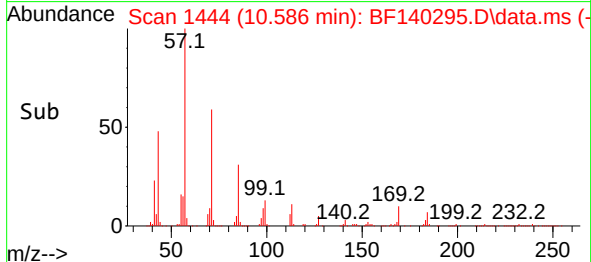
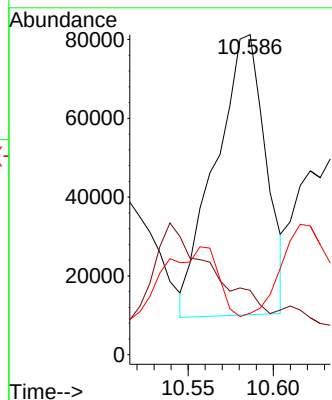
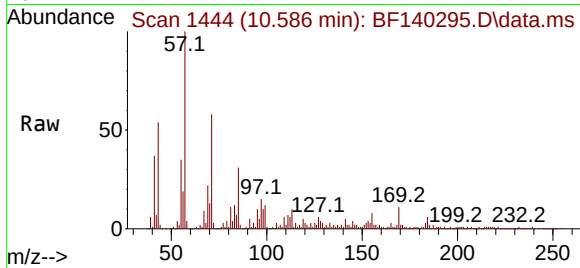




#66
n-Nitrosodiphenylamine
Concen: 16.836 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

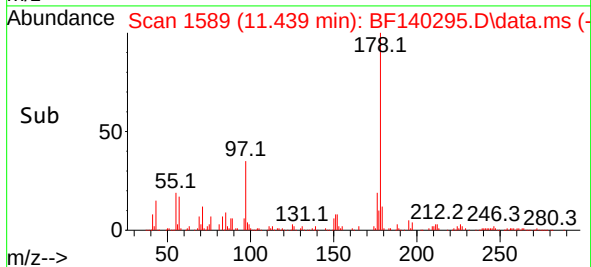
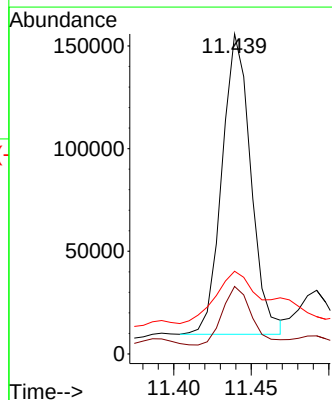
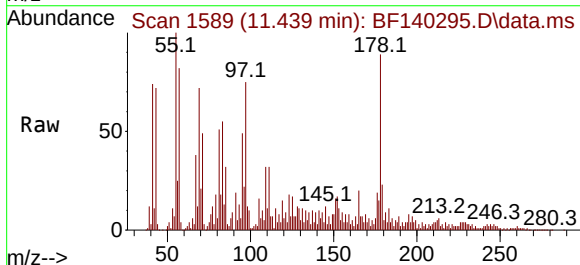
Instrument :
BNA_F
ClientSampleId :
TP-14

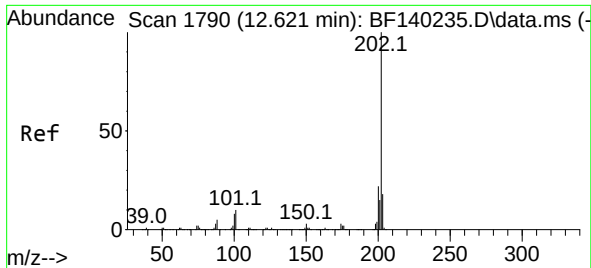
Tgt Ion:169 Resp: 147086
Ion Ratio Lower Upper
169 100
168 20.1 53.0 79.6#
167 13.0 29.4 44.2#



#71
Phenanthrene
Concen: 13.088 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

Tgt Ion:178 Resp: 189723
Ion Ratio Lower Upper
178 100
176 21.1 15.9 23.9
179 25.8 12.6 18.8#

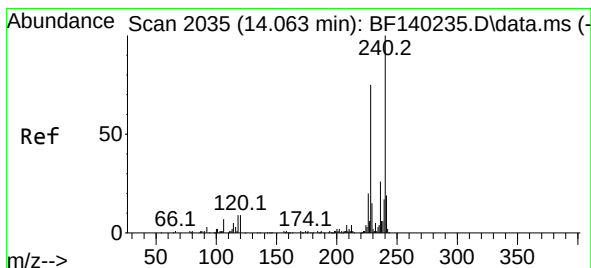
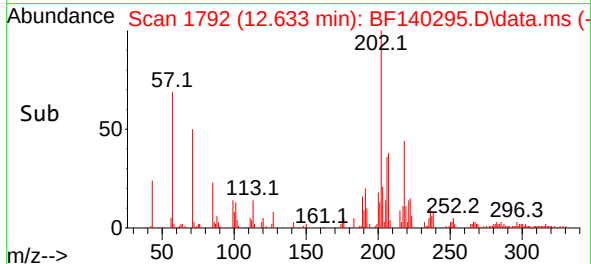
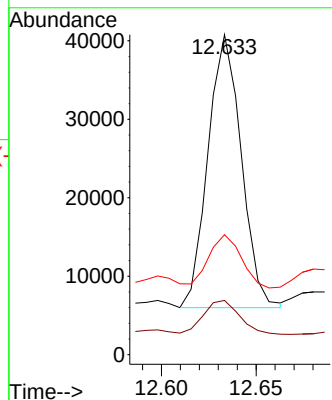
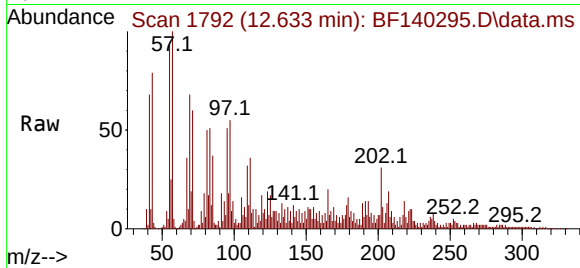




#75
Fluoranthene
Concen: 2.811 ng
RT: 12.633 min Scan# 1792
Delta R.T. 0.012 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

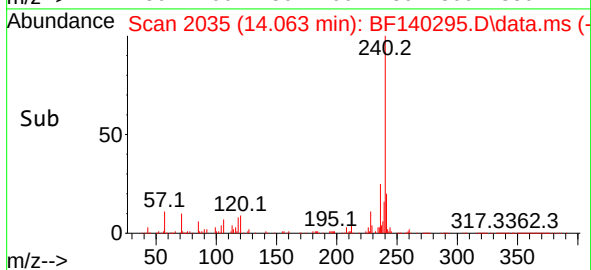
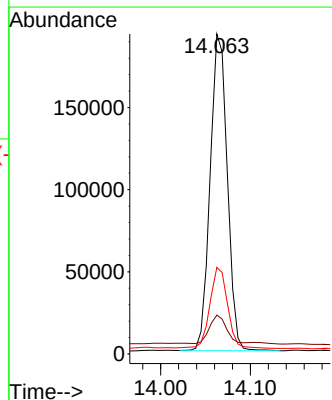
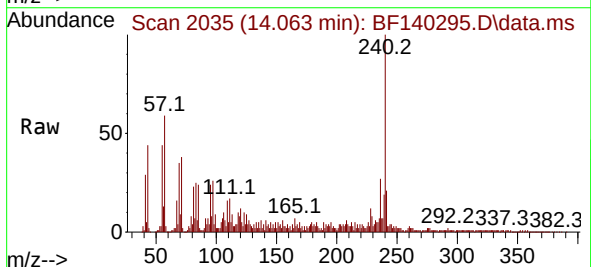
Instrument :
BNA_F
ClientSampleId :
TP-14

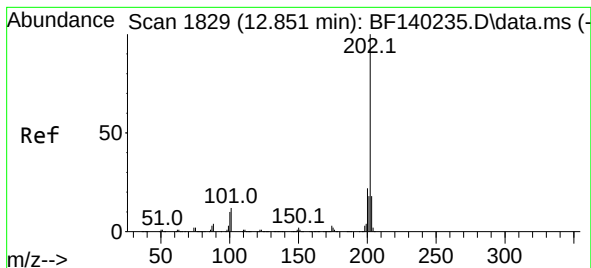
Tgt Ion:202 Resp: 42604
Ion Ratio Lower Upper
202 100
101 17.0 0.0 30.4
203 37.5 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

Tgt Ion:240 Resp: 255769
Ion Ratio Lower Upper
240 100
120 12.1 7.5 11.3#
236 27.0 20.9 31.3





#78

Pyrene

Concen: 3.568 ng

RT: 12.863 min Scan# 1831

Delta R.T. 0.012 min

Lab File: BF140295.D

Acq: 08 Nov 2024 13:40

Instrument :

BNA_F

ClientSampleId :

TP-14

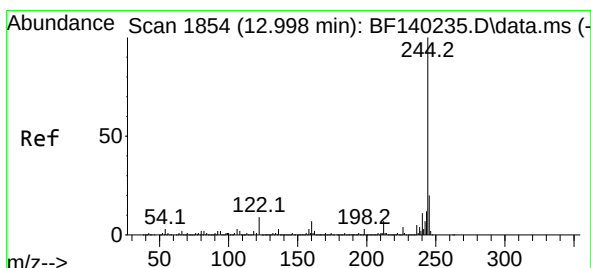
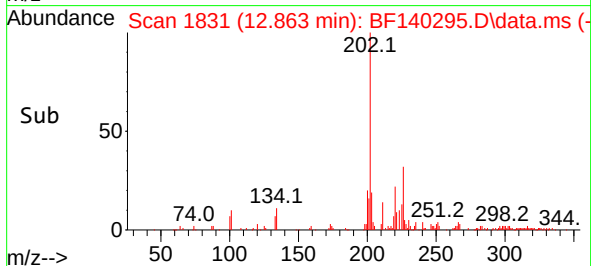
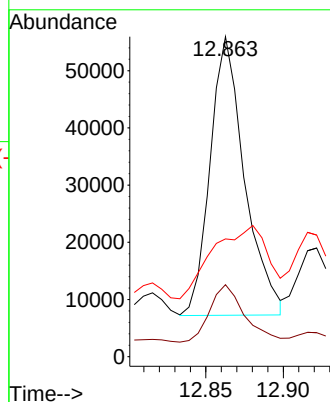
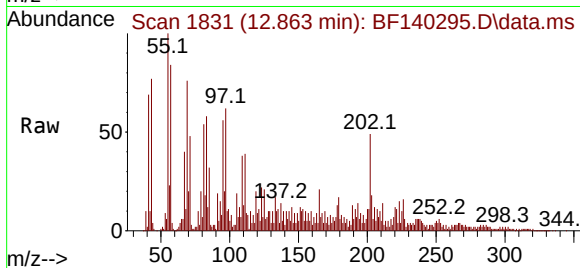
Tgt Ion:202 Resp: 75349

Ion Ratio Lower Upper

202 100

200 22.5 17.5 26.3

203 36.8 14.4 21.6#



#79

Terphenyl-d14

Concen: 44.986 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.006 min

Lab File: BF140295.D

Acq: 08 Nov 2024 13:40

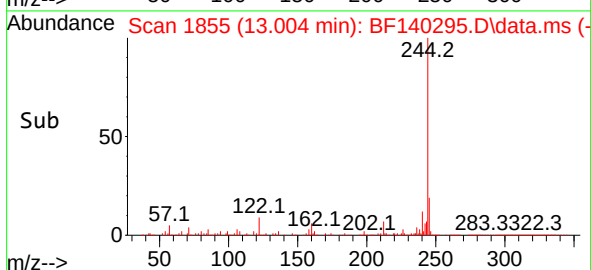
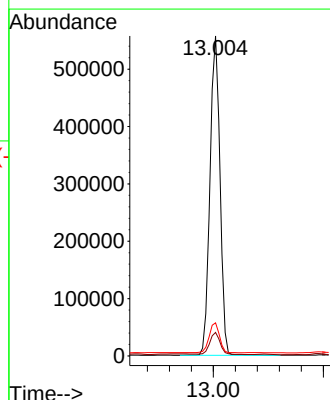
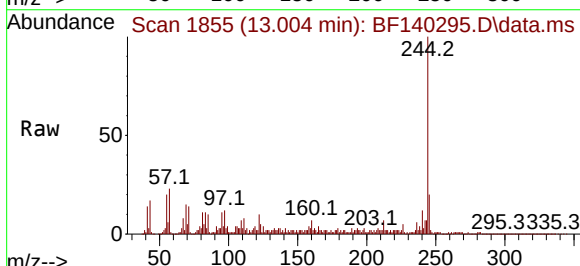
Tgt Ion:244 Resp: 702388

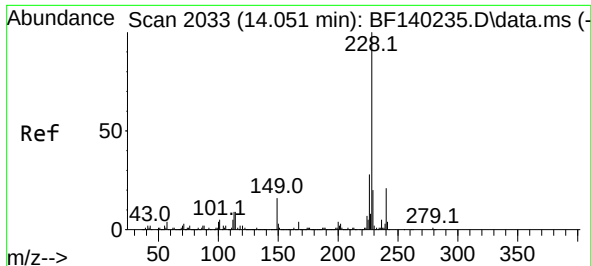
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 10.4 7.6 11.4

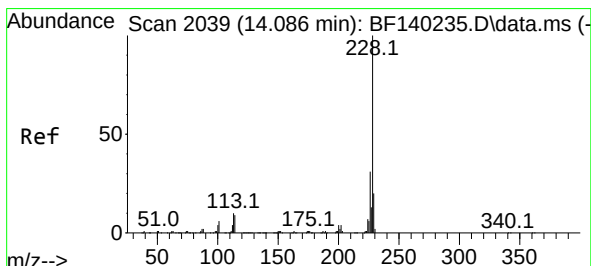
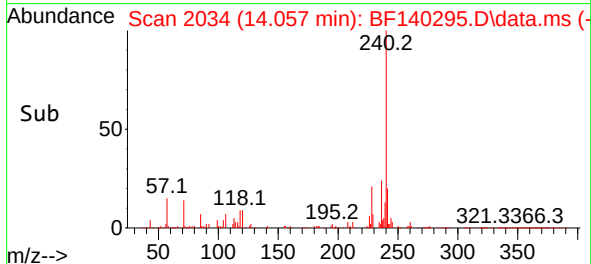
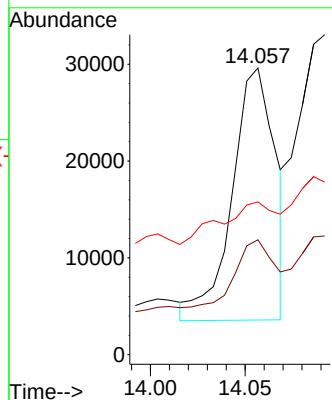
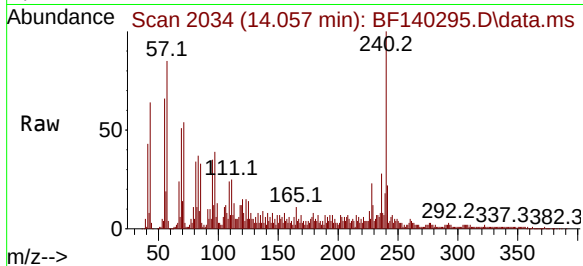




#81
Benzo(a)anthracene
Concen: 2.522 ng
RT: 14.057 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

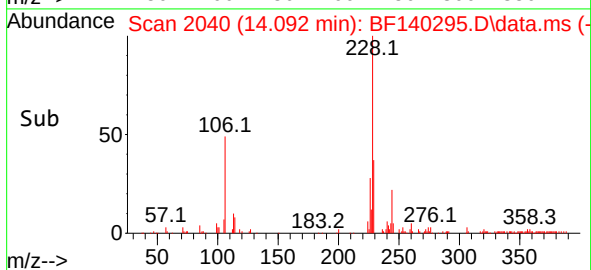
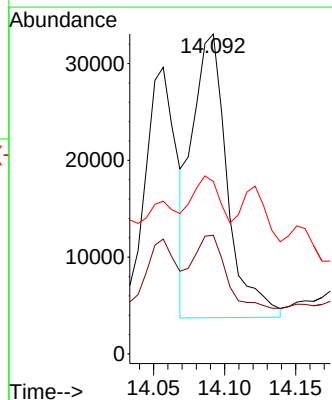
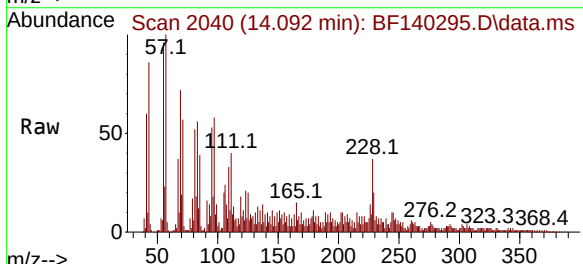
Instrument :
BNA_F
ClientSampleId :
TP-14

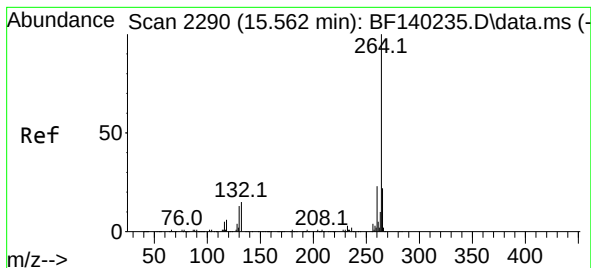
Tgt Ion:228 Resp: 41395
Ion Ratio Lower Upper
228 100
226 40.1 22.3 33.5#
229 53.3 16.1 24.1#



#83
Chrysene
Concen: 3.280 ng
RT: 14.092 min Scan# 2040
Delta R.T. 0.006 min
Lab File: BF140295.D
Acq: 08 Nov 2024 13:40

Tgt Ion:228 Resp: 50411
Ion Ratio Lower Upper
228 100
226 37.1 24.6 36.8#
229 53.9 16.1 24.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140295.D

Acq: 08 Nov 2024 13:40

Instrument :

BNA_F

ClientSampleId :

TP-14

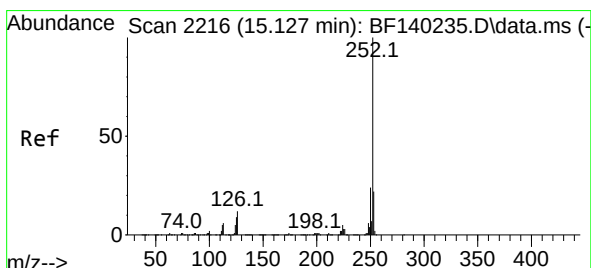
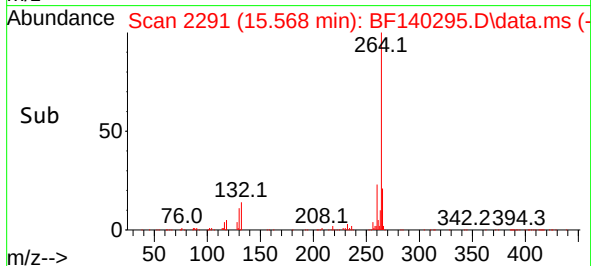
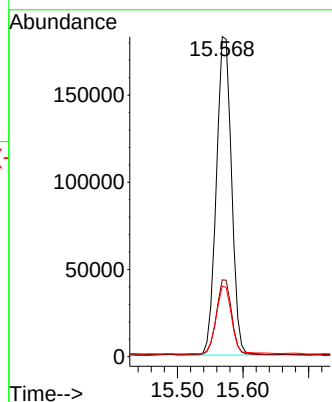
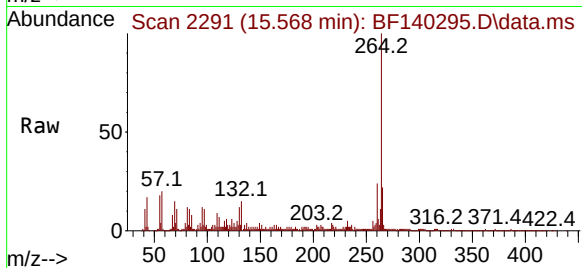
Tgt Ion:264 Resp: 293272

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 22.0 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 2.005 ng

RT: 15.133 min Scan# 2217

Delta R.T. 0.006 min

Lab File: BF140295.D

Acq: 08 Nov 2024 13:40

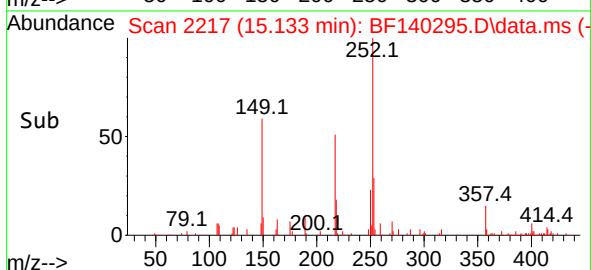
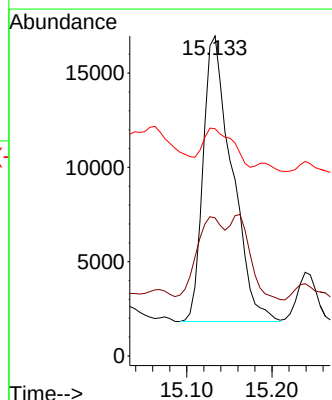
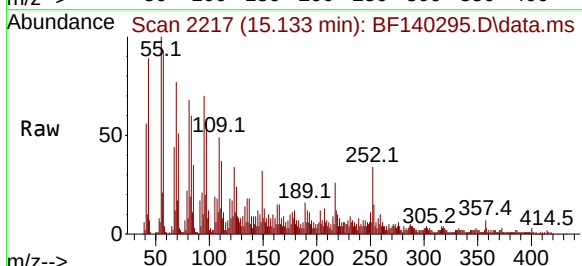
Tgt Ion:252 Resp: 35569

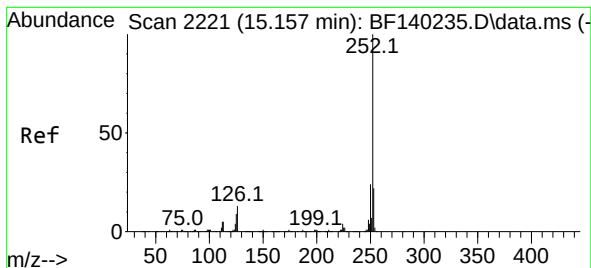
Ion Ratio Lower Upper

252 100

253 43.1 17.9 26.9#

125 71.0 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 2.185 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF140295.D

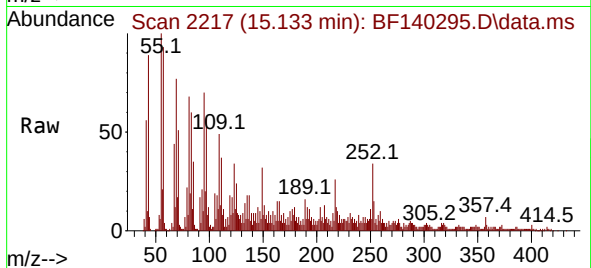
Acq: 08 Nov 2024 13:40

Instrument :

BNA_F

ClientSampleId :

TP-14



Tgt Ion:252 Resp: 35569

Ion Ratio Lower Upper

252 100

253 43.1 17.8 26.8#

125 71.0 7.2 10.8#

