

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140302.D
 Acq On : 08 Nov 2024 16:43
 Operator : RC/JU
 Sample : P4738-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12018

Quant Time: Nov 08 17:25:17 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)

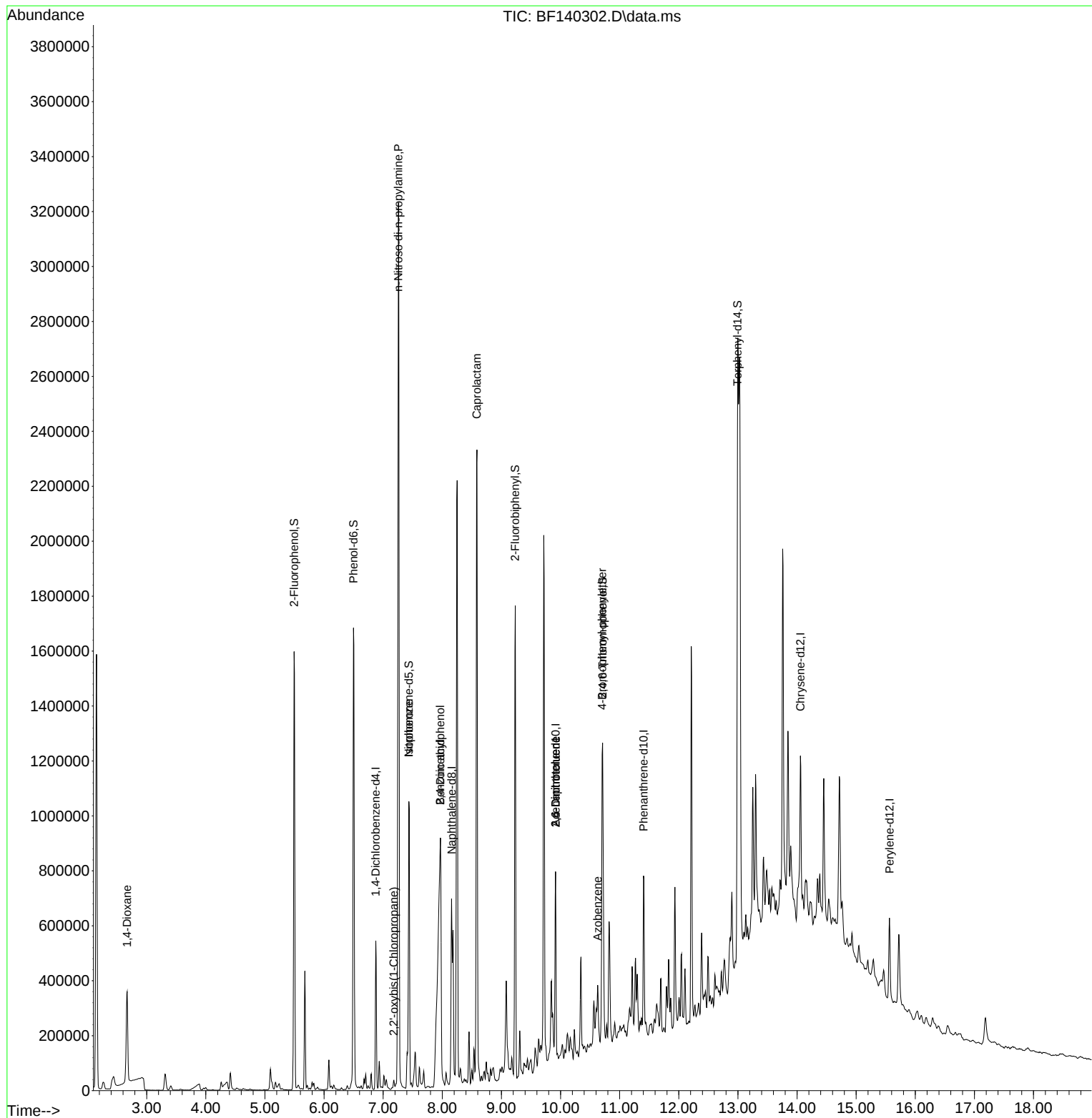
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	106168	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	429844	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	207340	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	303824	20.000	ng	0.00
76) Chrysene-d12	14.057	240	233652	20.000	ng	0.00
86) Perylene-d12	15.563	264	185310	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	593740	92.679	ng	0.00
7) Phenol-d6	6.498	99	754041	91.507	ng	0.00
23) Nitrobenzene-d5	7.434	82	465874	53.886	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	178607	87.149	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	735281	56.627	ng	0.00
79) Terphenyl-d14	12.992	244	689251	48.323	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	24829	8.430	ng	# 1
16) 2,2'-oxybis(1-Chloropr...	7.181	45	27213	2.529	ng	70
19) n-Nitroso-di-n-propyla...	7.257	70	355634	67.651	ng	# 71
25) Isophorone	7.434	82	461512	31.002	ng	# 67
27) 2,4-Dimethylphenol	7.963	122	17017	3.466	ng	# 3
32) Benzoic acid	7.963	122	17017	4.224	ng	94
35) Caprolactam	8.581	113	5728	3.100	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	27012	8.999	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	27424	7.041	ng	# 22
63) Azobenzene	10.628	77	54053	4.109	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	12274	3.752	ng	# 1

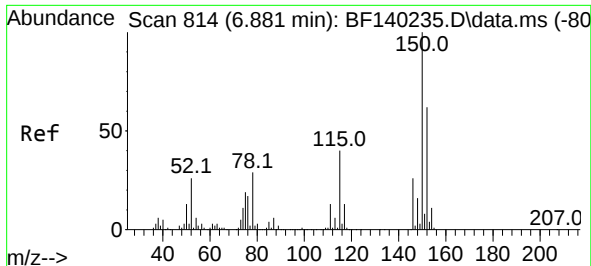
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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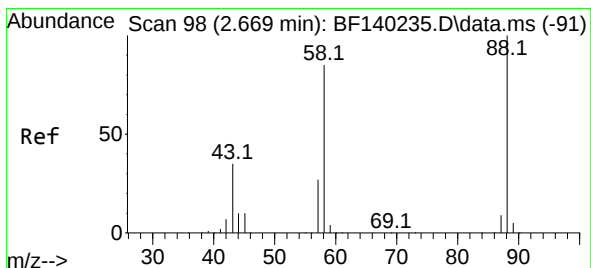
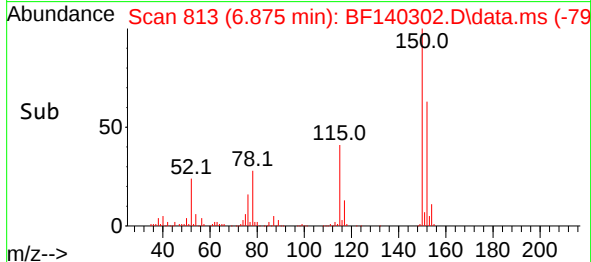
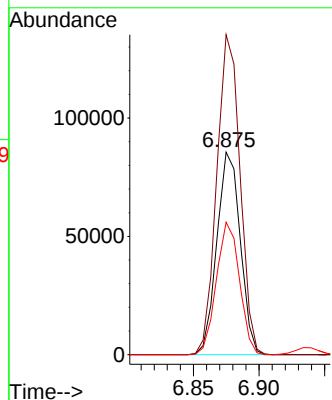
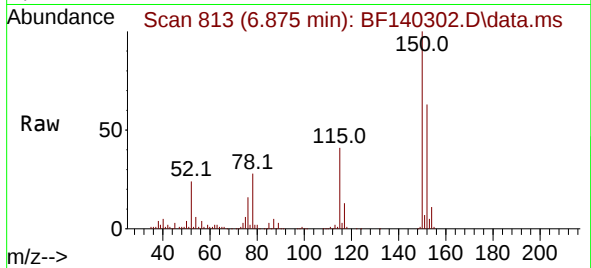




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF140302.D
 Acq: 08 Nov 2024 16:43

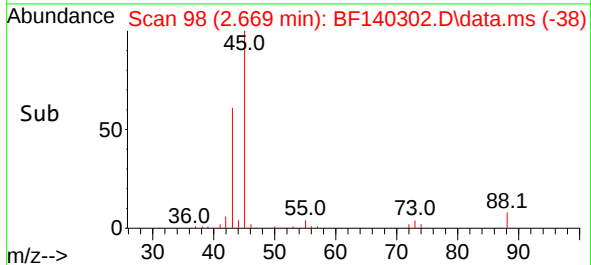
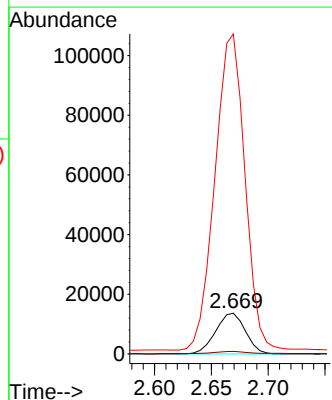
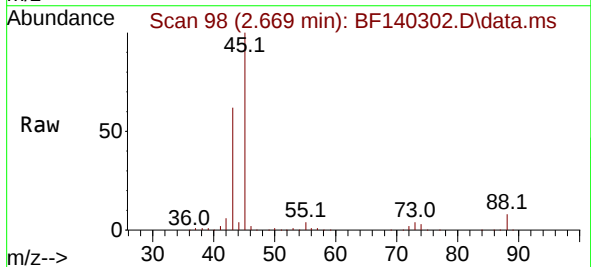
Instrument :
 BNA_F
 ClientSampleId :
 72-12018

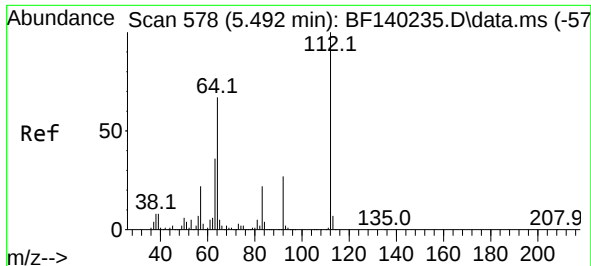
Tgt Ion:152 Resp: 106168
 Ion Ratio Lower Upper
 152 100
 150 158.0 129.4 194.2
 115 65.4 51.5 77.3



#2
 1,4-Dioxane
 Concen: 8.430 ng
 RT: 2.669 min Scan# 98
 Delta R.T. 0.000 min
 Lab File: BF140302.D
 Acq: 08 Nov 2024 16:43

Tgt Ion: 88 Resp: 24829
 Ion Ratio Lower Upper
 88 100
 58 5.6 66.7 100.1#
 43 783.3 27.8 41.8#

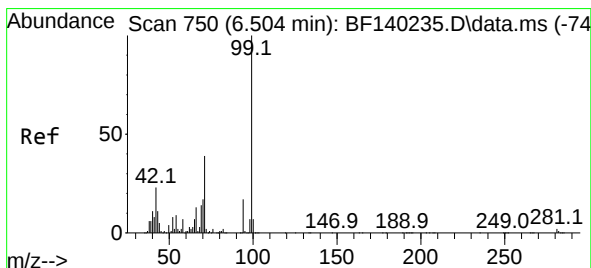
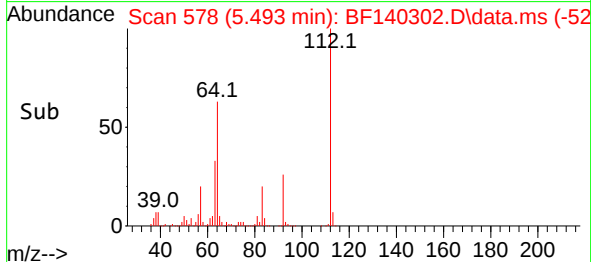
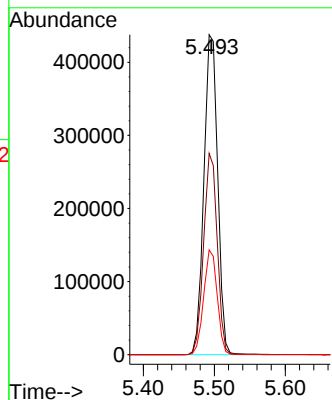
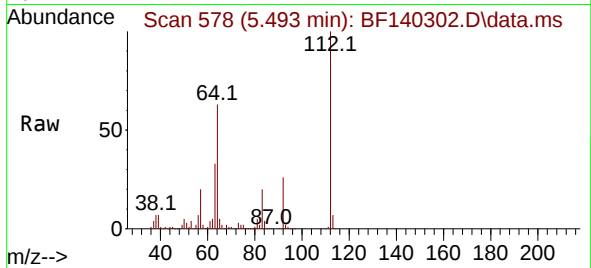




#5
2-Fluorophenol
Concen: 92.679 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

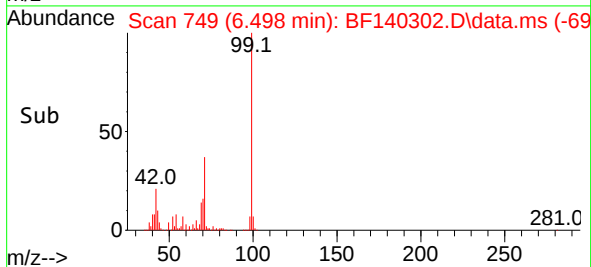
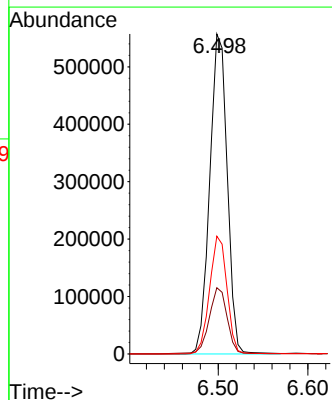
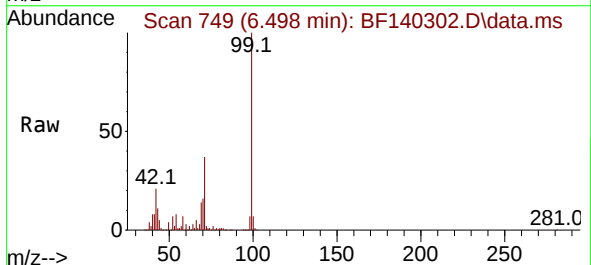
Instrument :
BNA_F
ClientSampleId :
72-12018

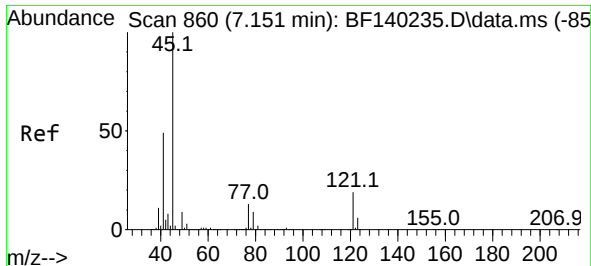
Tgt Ion:112 Resp: 593740
Ion Ratio Lower Upper
112 100
64 62.9 53.4 80.2
63 32.7 28.9 43.3



#7
Phenol-d6
Concen: 91.507 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

Tgt Ion: 99 Resp: 754041
Ion Ratio Lower Upper
99 100
42 20.7 18.2 27.2
71 36.8 30.9 46.3

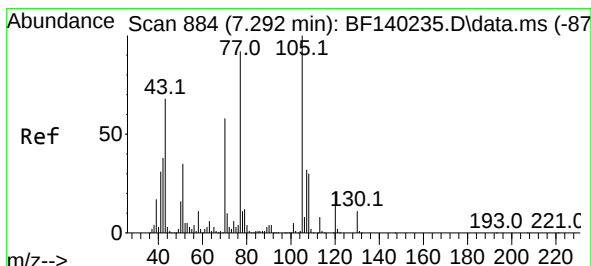
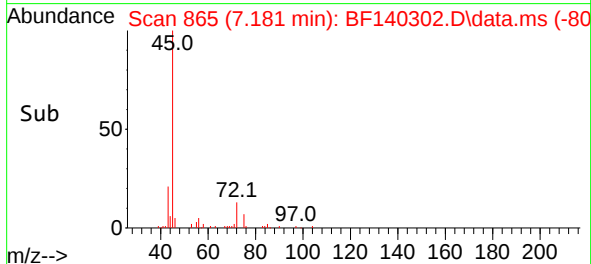
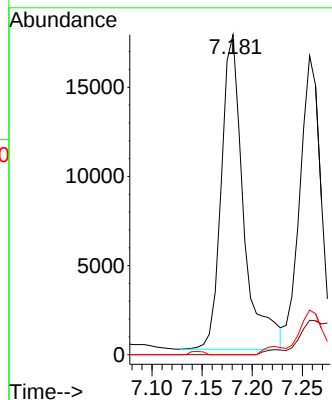
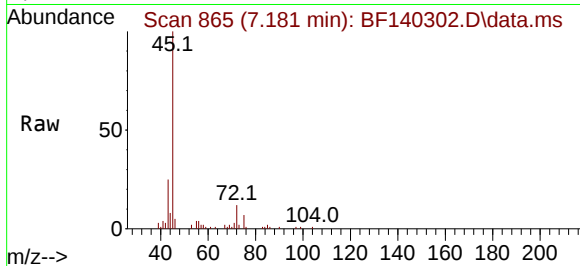




#16
2,2'-oxybis(1-Chloropropane)
Concen: 2.529 ng
RT: 7.181 min Scan# 80
Delta R.T. 0.030 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

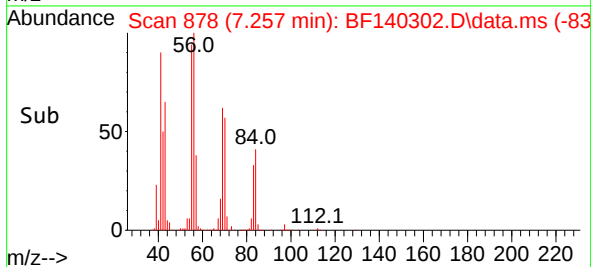
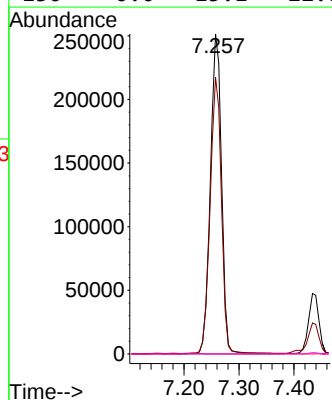
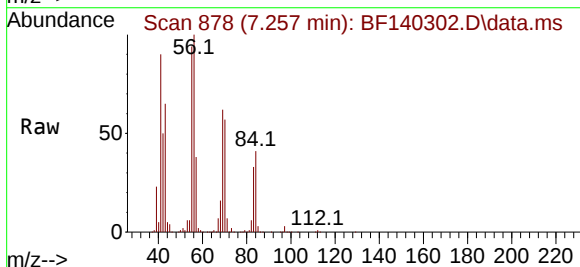
Instrument :
BNA_F
ClientSampleId :
72-12018

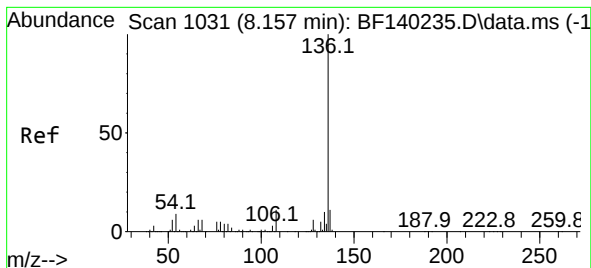
Tgt Ion:	45	Resp:	27213
Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	33.3
79	0.0	0.0	29.9



#19
n-Nitroso-di-n-propylamine
Concen: 67.651 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.035 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

Tgt Ion:	70	Resp:	355634
Ion	Ratio	Lower	Upper
70	100		
42	86.5	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: BF140302.D

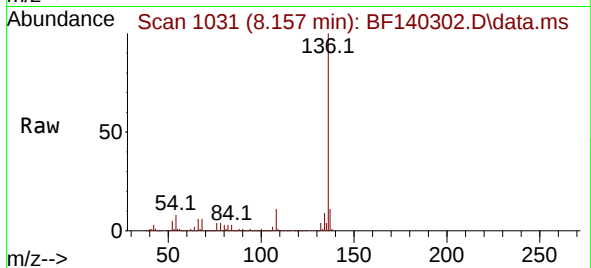
Acq: 08 Nov 2024 16:43

Instrument :

BNA_F

ClientSampleId :

72-12018



Tgt Ion:136 Resp: 429844

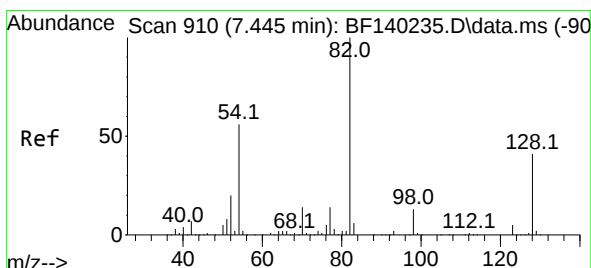
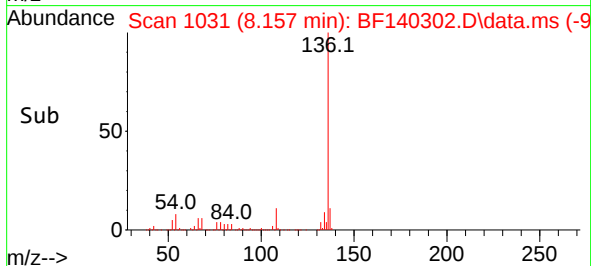
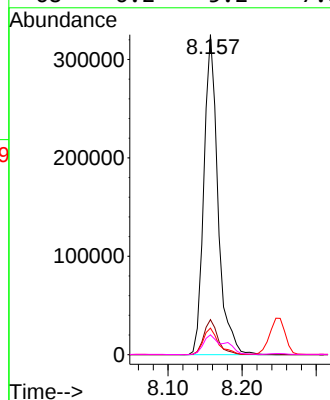
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 8.3 7.7 11.5

68 6.2 5.2 7.8



#23

Nitrobenzene-d5

Concen: 53.886 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF140302.D

Acq: 08 Nov 2024 16:43

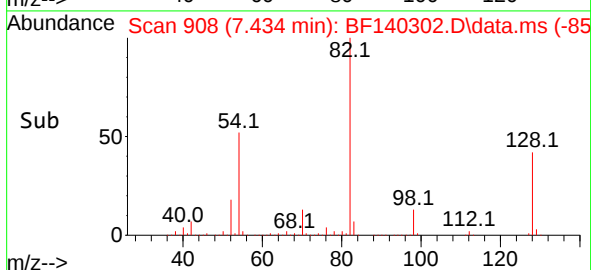
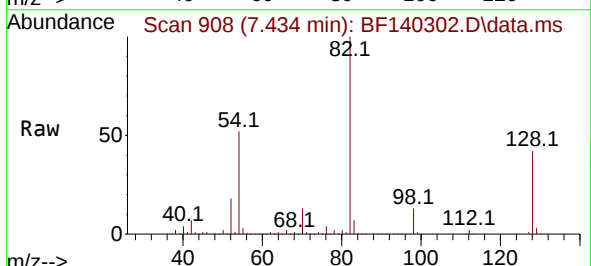
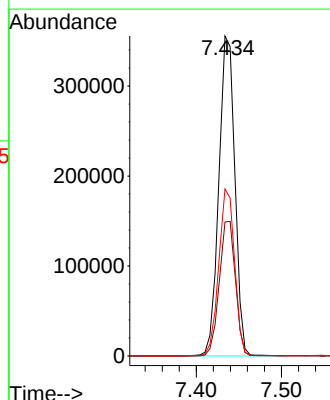
Tgt Ion: 82 Resp: 465874

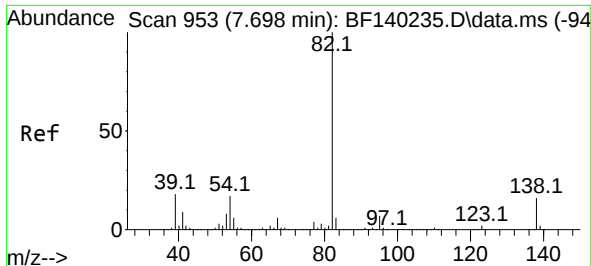
Ion Ratio Lower Upper

82 100

128 41.8 32.8 49.2

54 52.2 44.3 66.5

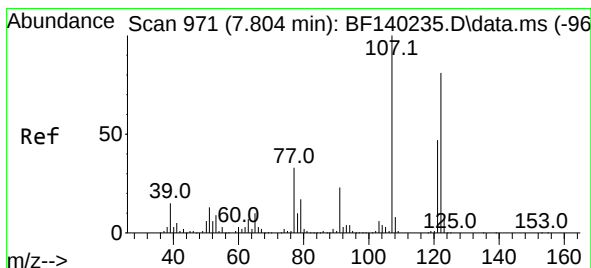
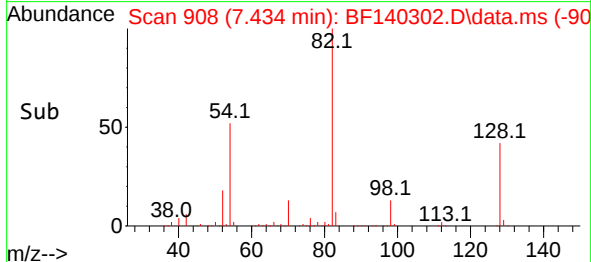
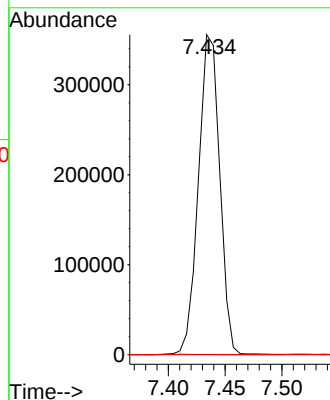
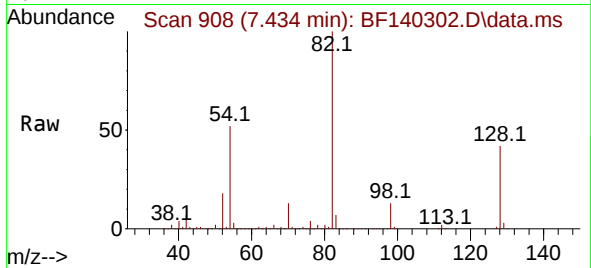




#25
Isophorone
Concen: 31.002 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

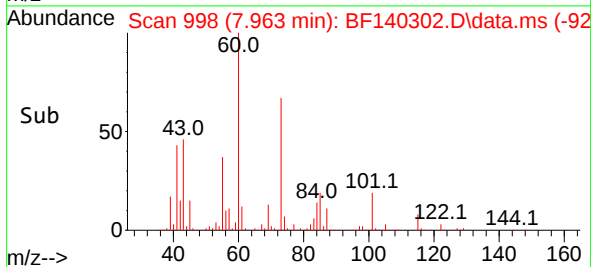
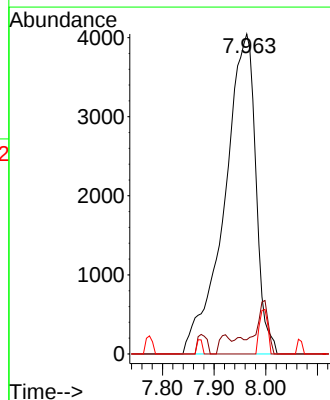
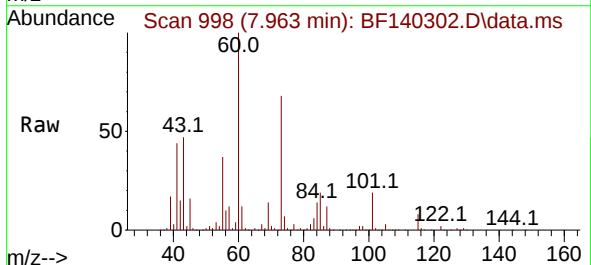
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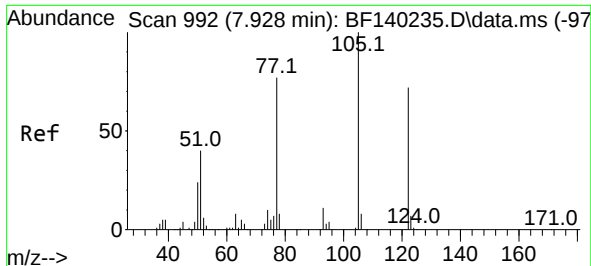
Tgt Ion: 82 Resp: 461512
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 12.9 19.3#



#27
2,4-Dimethylphenol
Concen: 3.466 ng
RT: 7.963 min Scan# 998
Delta R.T. 0.159 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

Tgt Ion: 122 Resp: 17017
Ion Ratio Lower Upper
122 100
107 4.4 99.4 149.0#
121 0.0 47.1 70.7#

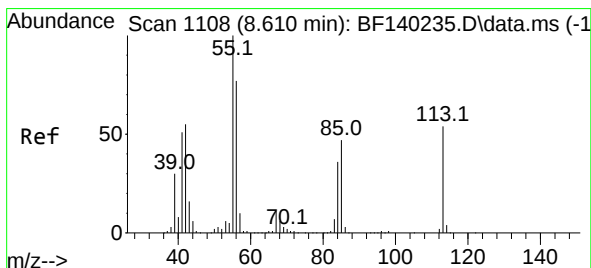
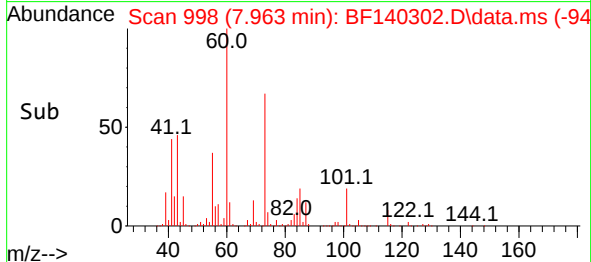
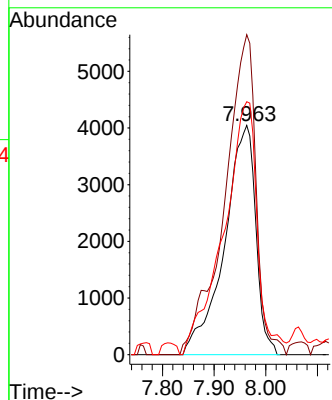
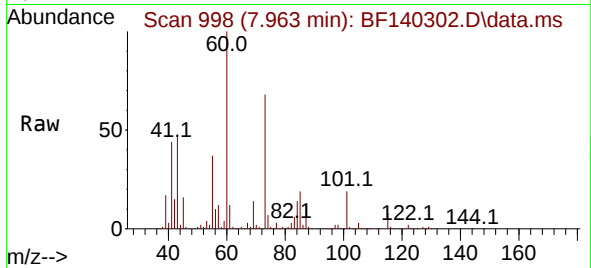




#32
Benzoic acid
Concen: 4.224 ng
RT: 7.963 min Scan# 992
Delta R.T. 0.035 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

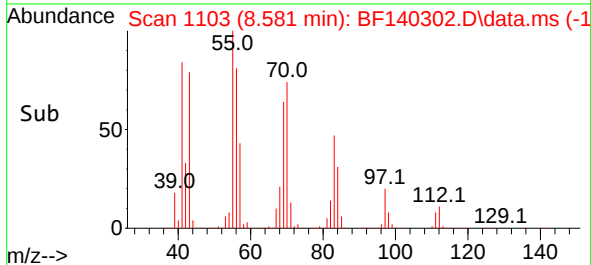
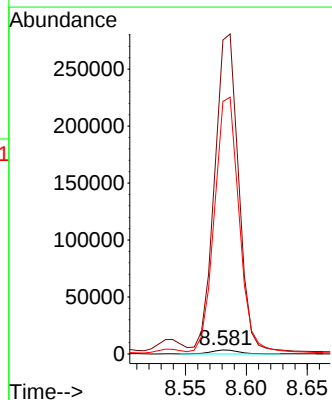
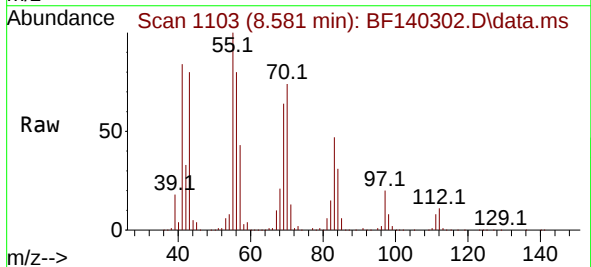
Instrument :
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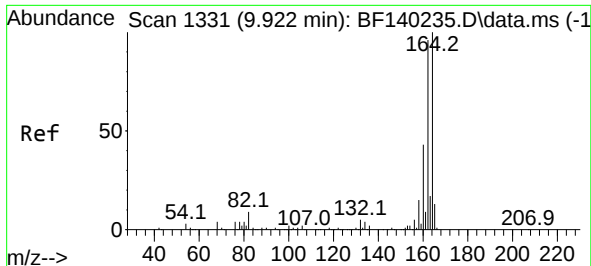
Tgt Ion:122 Resp: 17017
Ion Ratio Lower Upper
122 100
105 139.6 112.6 152.6
77 110.3 84.3 124.3



#35
Caprolactam
Concen: 3.100 ng
RT: 8.581 min Scan# 1103
Delta R.T. -0.029 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

Tgt Ion:113 Resp: 5728
Ion Ratio Lower Upper
113 100
55 7756.4 165.2 205.2#
56 6236.1 122.1 162.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140302.D

Acq: 08 Nov 2024 16:43

Instrument :

BNA_F

ClientSampleId :

72-12018

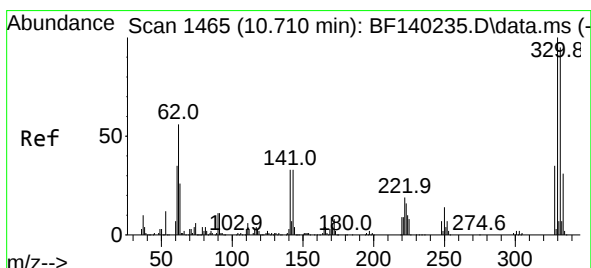
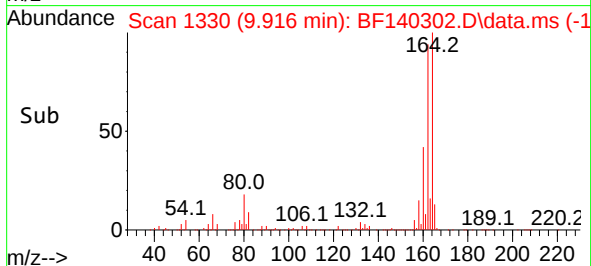
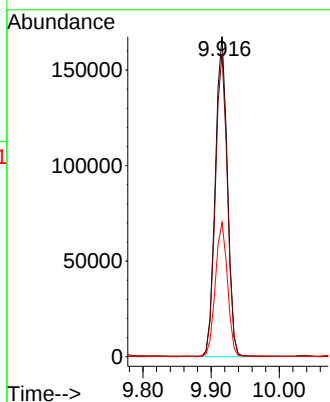
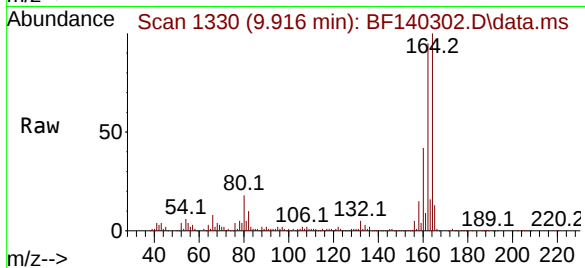
Tgt Ion:164 Resp: 207340

Ion Ratio Lower Upper

164 100

162 94.7 77.0 115.4

160 42.0 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 87.149 ng

RT: 10.710 min Scan# 1465

Delta R.T. 0.000 min

Lab File: BF140302.D

Acq: 08 Nov 2024 16:43

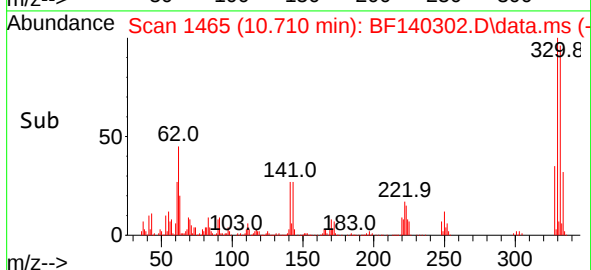
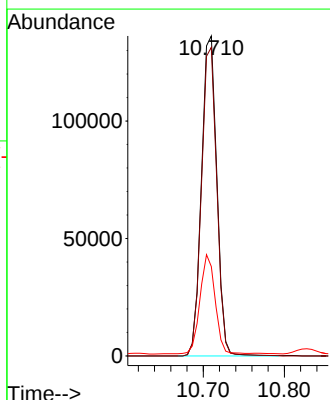
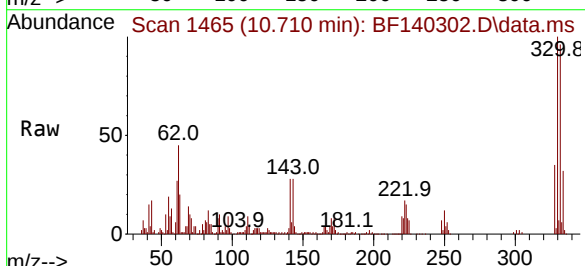
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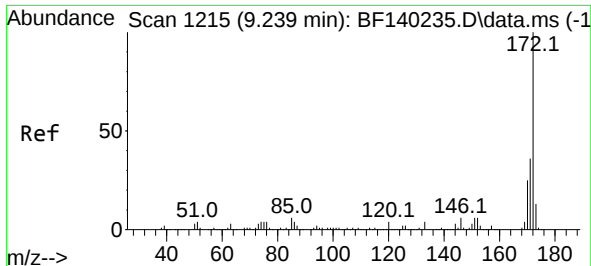
Ion Ratio Lower Upper

330 100

332 96.5 76.4 114.6

141 30.8 27.0 40.4





#45

2-Fluorobiphenyl

Concen: 56.627 ng

RT: 9.234 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140302.D

Acq: 08 Nov 2024 16:43

Instrument :

BNA_F

ClientSampleId :

72-12018

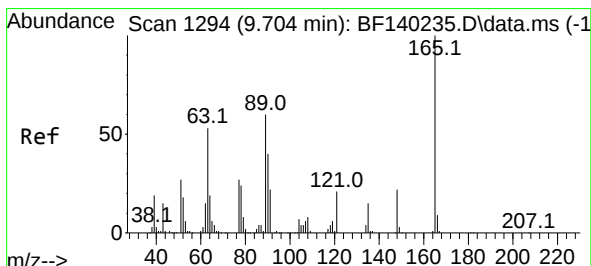
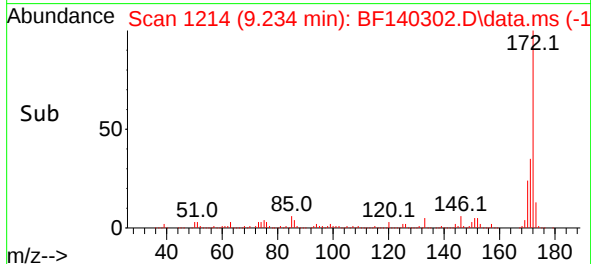
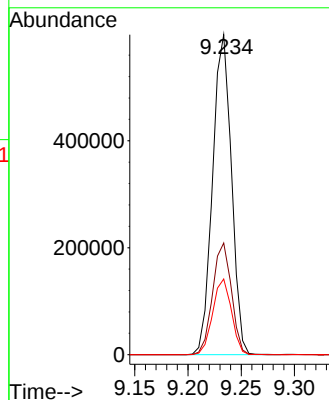
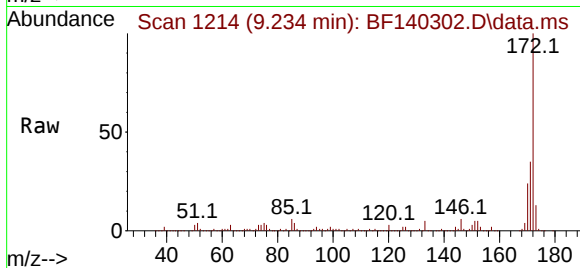
Tgt Ion:172 Resp: 735281

Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 23.6 19.6 29.4



#51

2,6-Dinitrotoluene

Concen: 8.999 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.212 min

Lab File: BF140302.D

Acq: 08 Nov 2024 16:43

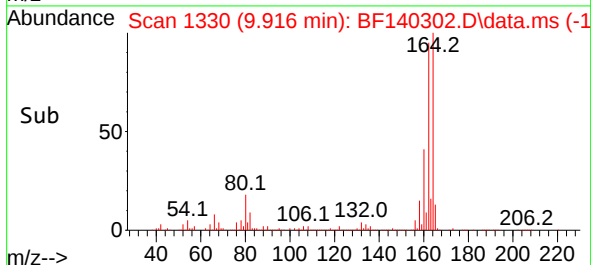
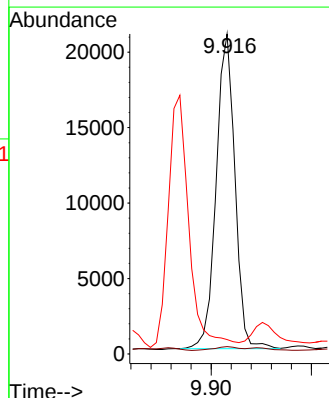
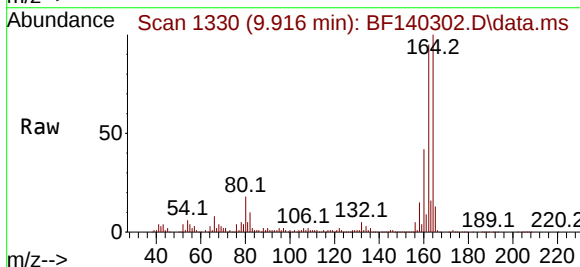
Tgt Ion:165 Resp: 27012

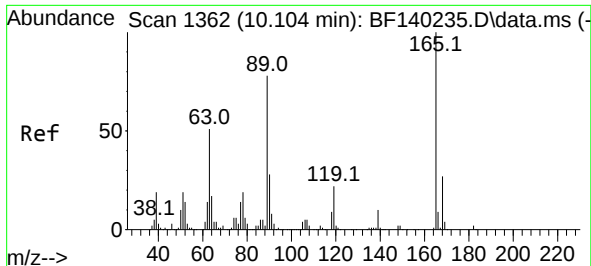
Ion Ratio Lower Upper

165 100

63 2.3 48.8 73.2#

89 4.5 48.1 72.1#

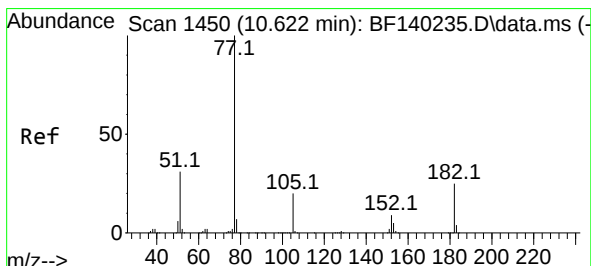
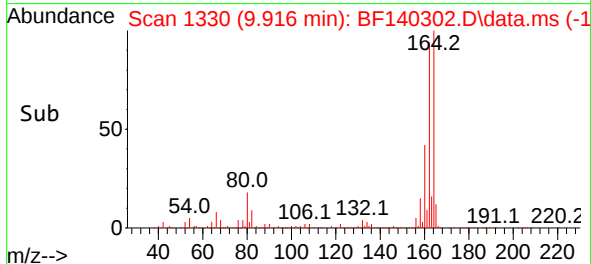
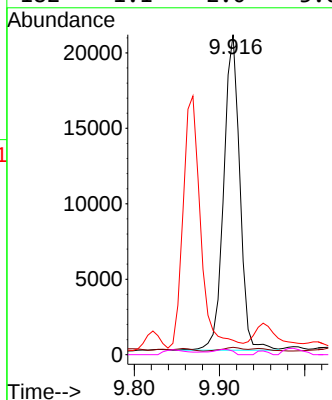
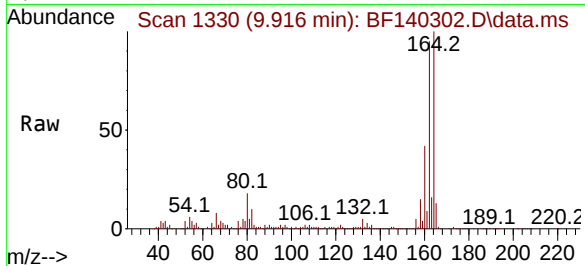




#57
2,4-Dinitrotoluene
Concen: 7.041 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

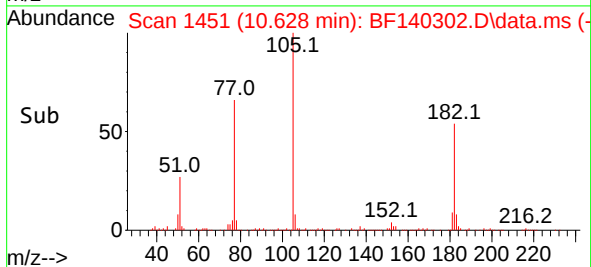
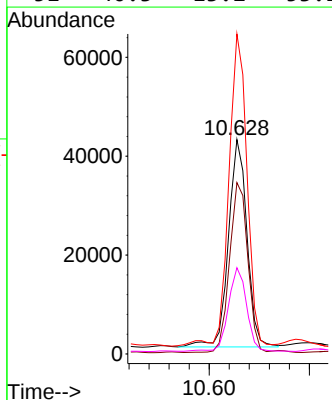
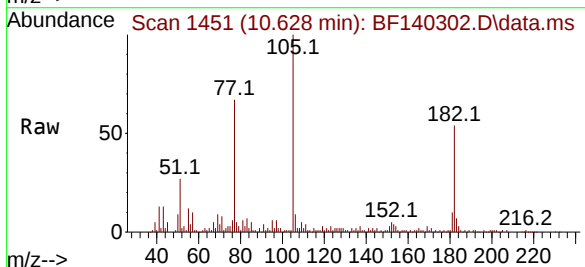
Instrument :
BNA_F
ClientSampleId :
72-12018

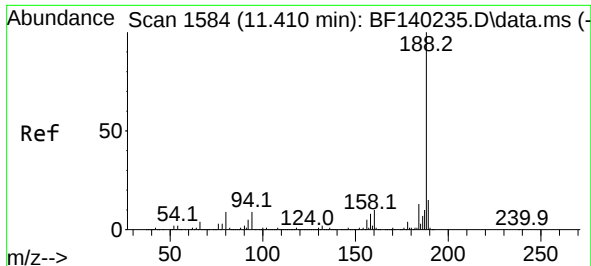
Tgt Ion:165 Resp: 27424
Ion Ratio Lower Upper
165 100
63 2.3 41.3 61.9#
89 4.5 62.6 94.0#
182 1.1 2.0 3.0#



#63
Azobenzene
Concen: 4.109 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

Tgt Ion: 77 Resp: 54053
Ion Ratio Lower Upper
77 100
182 80.0 4.7 44.7#
105 149.3 0.0 40.0#
51 40.3 13.2 53.2

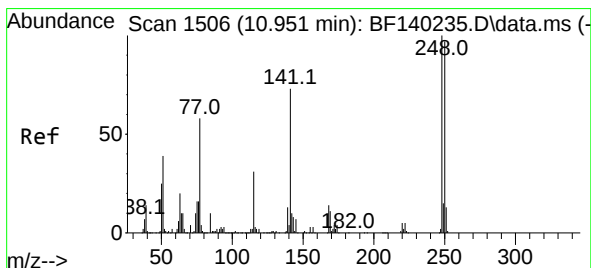
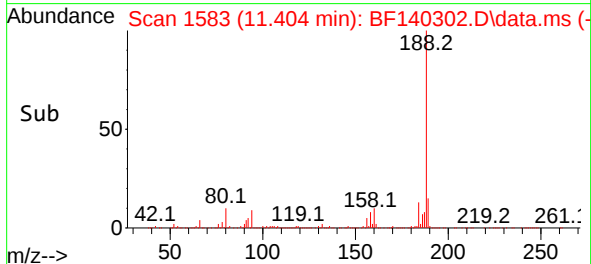
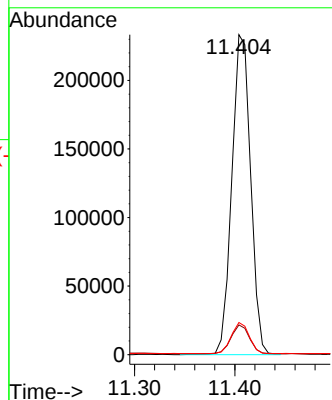
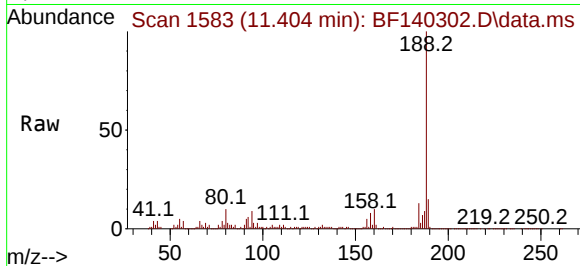




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

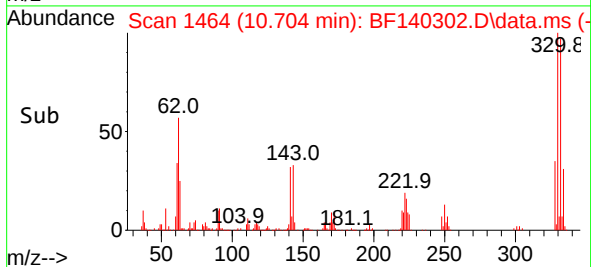
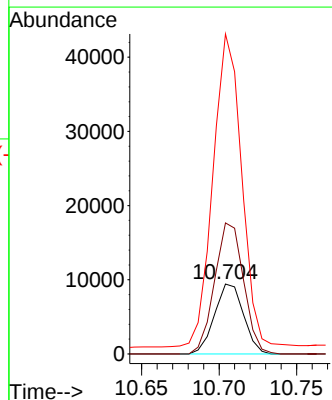
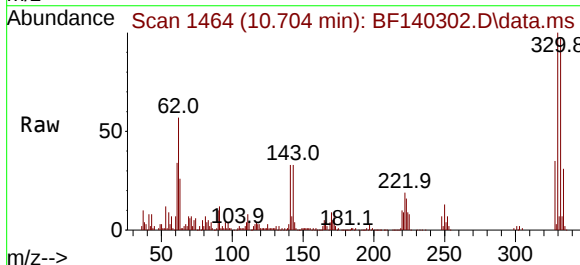
Instrument :
BNA_F
ClientSampleId :
72-12018

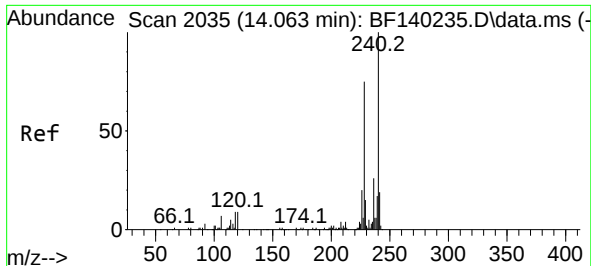
Tgt Ion:188 Resp: 303824
Ion Ratio Lower Upper
188 100
94 9.3 6.9 10.3
80 10.0 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 3.752 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

Tgt Ion:248 Resp: 12274
Ion Ratio Lower Upper
248 100
250 187.4 77.9 116.9#
141 457.3 58.6 88.0#

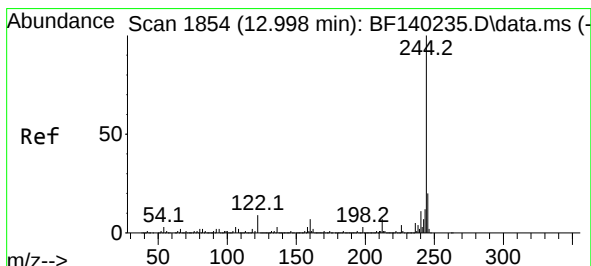
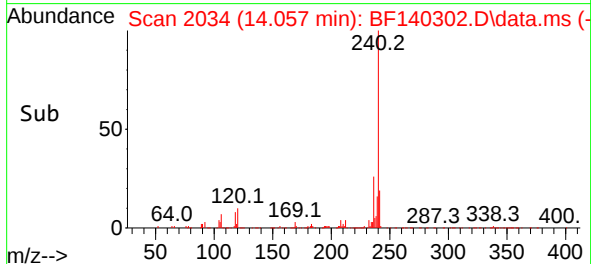
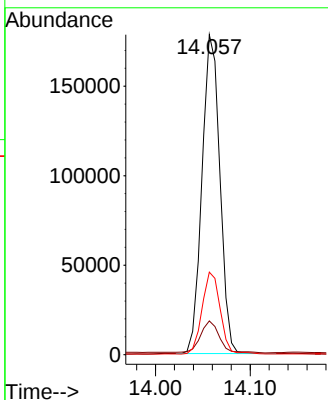
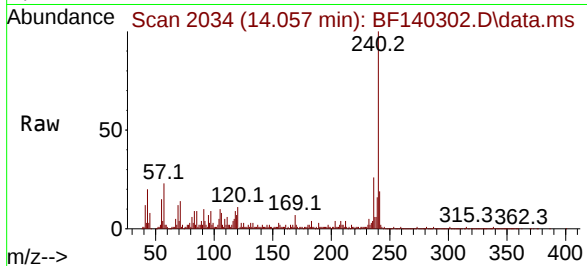




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

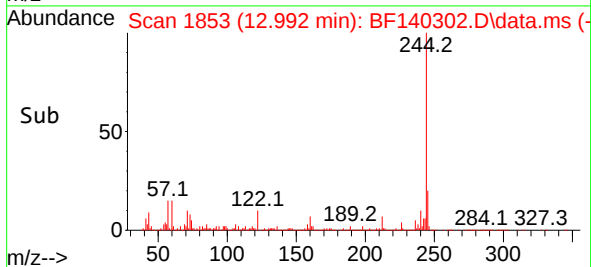
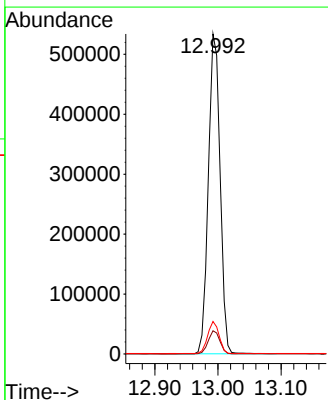
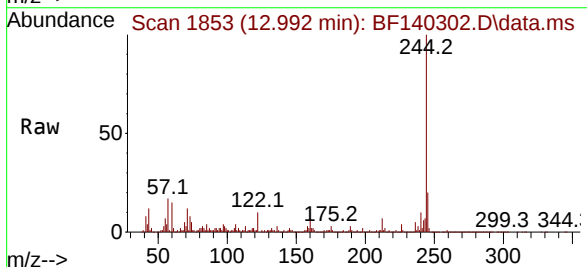
Instrument :
BNA_F
ClientSampleId :
72-12018

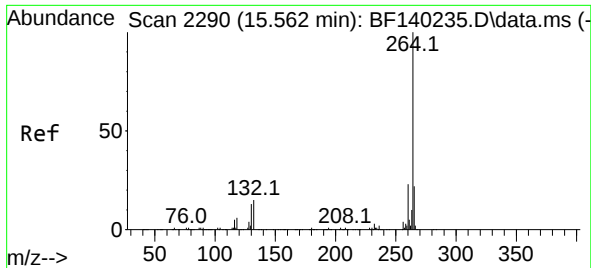
Tgt Ion:240 Resp: 233652
Ion Ratio Lower Upper
240 100
120 10.5 7.5 11.3
236 25.8 20.9 31.3



#79
Terphenyl-d14
Concen: 48.323 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

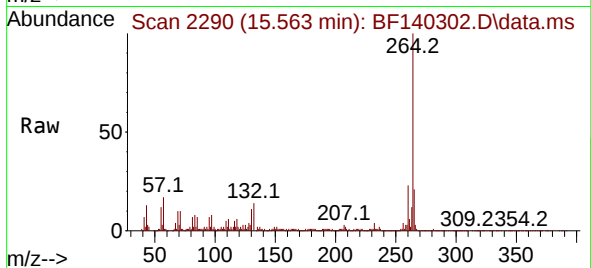
Tgt Ion:244 Resp: 689251
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 10.1 7.6 11.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140302.D
Acq: 08 Nov 2024 16:43

Instrument :
BNA_F
ClientSampleId :
72-12018



Tgt Ion:264 Resp: 185310
Ion Ratio Lower Upper
264 100
260 22.8 18.8 28.2
265 21.3 17.3 25.9

