

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
 Data File : BF139003.D
 Acq On : 14 Aug 2024 19:46
 Operator : RC/JU
 Sample : P3476-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MUL06RE

Quant Time: Aug 15 01:12:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

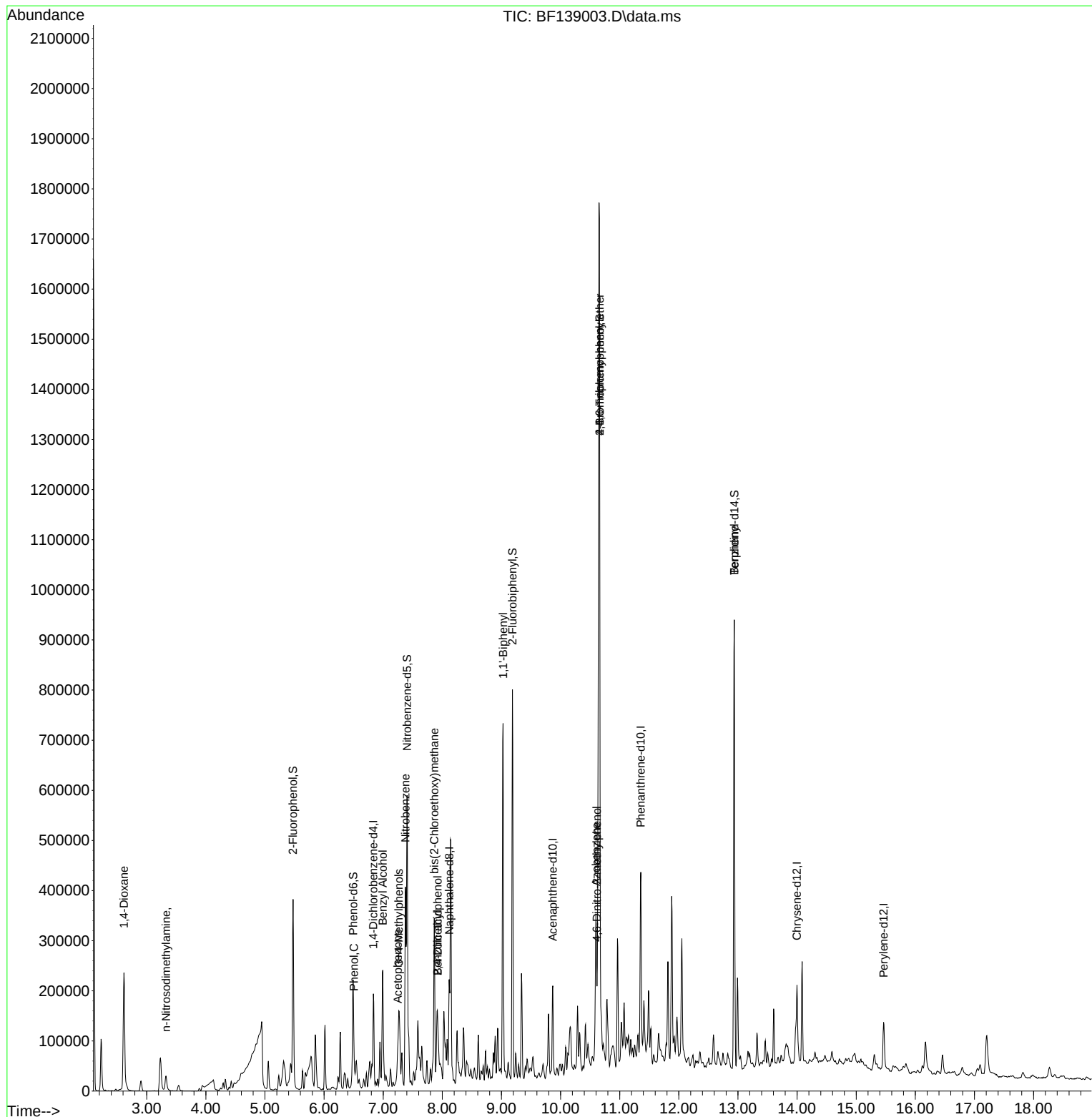
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	30464	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	138299	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	51885	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	95379	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	63161	20.000	ng	0.00
86) Perylene-d12	15.463	264	47717	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	118723	60.159	ng	0.00
7) Phenol-d6	6.492	99	90975	34.335	ng	0.00
23) Nitrobenzene-d5	7.404	82	221124	78.172	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	62022	145.931	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	305681	88.520	ng	-0.02
79) Terphenyl-d14	12.939	244	406711	107.811	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	13981	16.182	ng	# 1
4) n-Nitrosodimethylamine	3.328	42	2776	2.227	ng	# 2
10) Phenol	6.504	94	13106	4.698	ng	91
15) Benzyl Alcohol	6.992	79	67760	35.482	ng	95
20) 3+4-Methylphenols	7.263	107	29583	13.448	ng	# 48
22) Acetophenone	7.245	105	17003	5.021	ng	# 94
24) Nitrobenzene	7.375	77	6288	2.185	ng	# 1
27) 2,4-Dimethylphenol	7.922	122	35499	23.959	ng	# 10
28) bis(2-Chloroethoxy)met...	7.863	93	7463	2.537	ng	# 1
32) Benzoic acid	7.922	122	35499	30.479	ng	98
46) 1,1'-Biphenyl	9.028	154	160318	39.453	ng	# 46
63) Azobenzene	10.604	77	8716	2.498	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.616	198	1561	2.683	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	4338	4.201	ng	# 1
77) Benzidine	12.939	184	6312	4.178	ng	# 91

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

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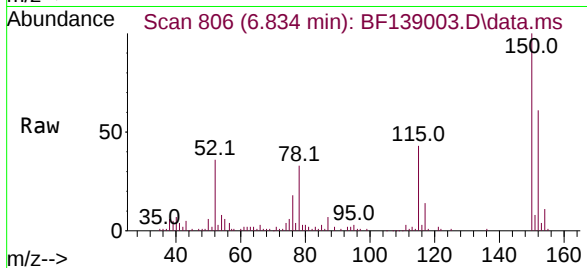
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
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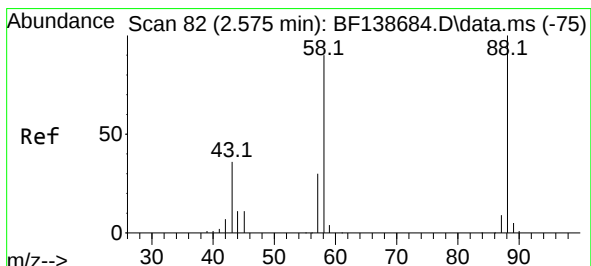
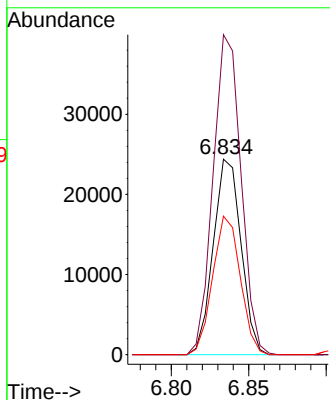
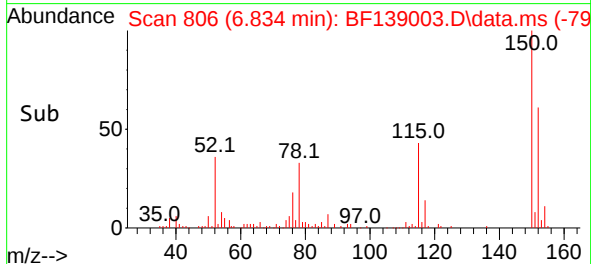


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

Instrument :
BNA_F
ClientSampleId :
MUL06RE

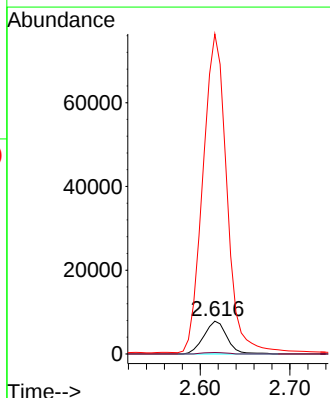
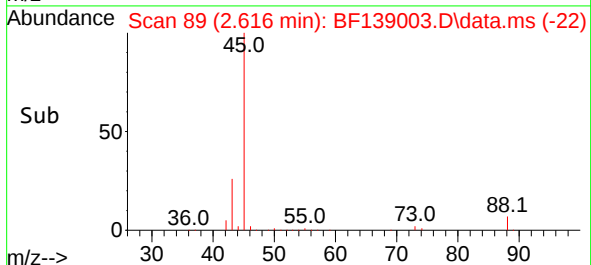
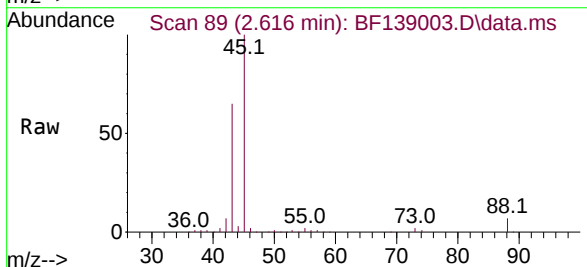


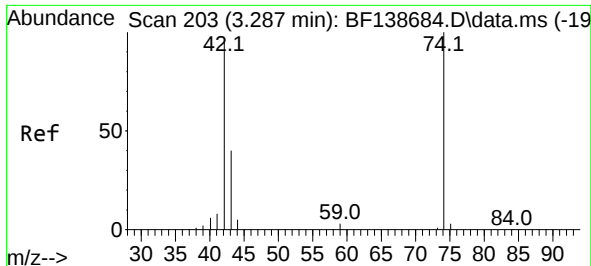
Tgt Ion:152 Resp: 30464
Ion Ratio Lower Upper
152 100
150 163.7 126.0 189.0
115 70.9 51.7 77.5



#2
1,4-Dioxane
Concen: 16.182 ng
RT: 2.616 min Scan# 89
Delta R.T. 0.041 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

Tgt Ion: 88 Resp: 13981
Ion Ratio Lower Upper
88 100
58 4.5 71.6 107.4#
43 1009.9 28.7 43.1#

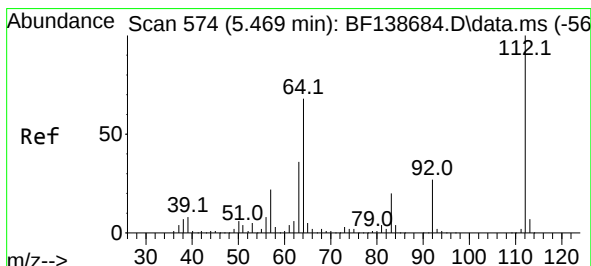
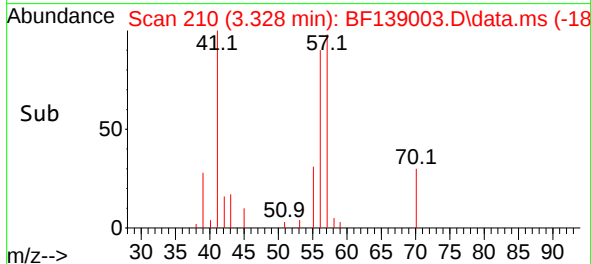
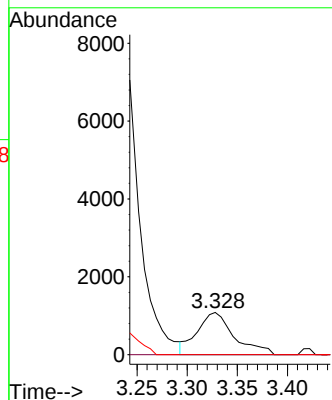
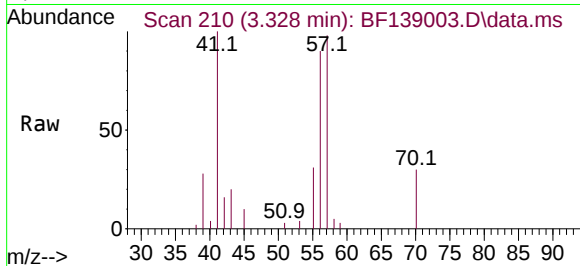




#4
n-Nitrosodimethylamine
Concen: 2.227 ng
RT: 3.328 min Scan# 210
Delta R.T. 0.041 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

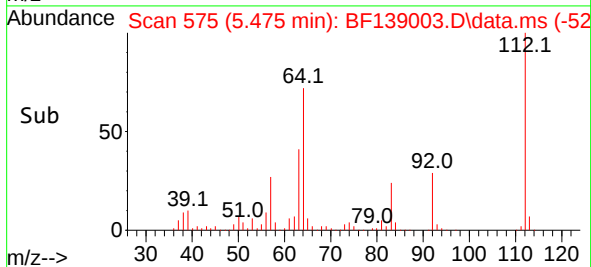
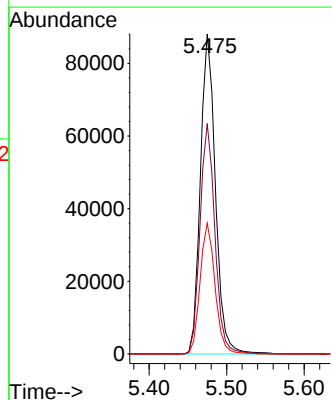
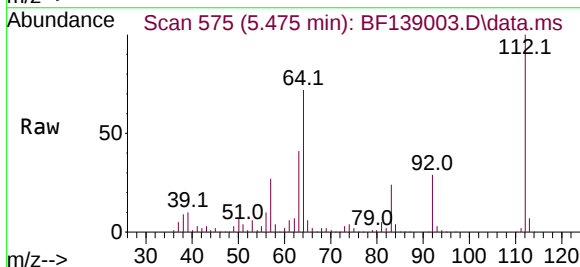
Instrument :
BNA_F
ClientSampleId :
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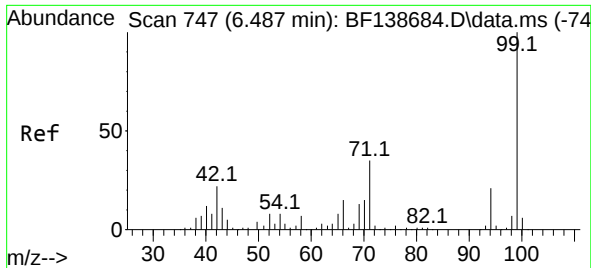
Tgt Ion: 42 Resp: 2776
Ion Ratio Lower Upper
42 100
74 0.0 84.2 126.4#
44 0.0 4.9 7.3#



#5
2-Fluorophenol
Concen: 60.159 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

Tgt Ion: 112 Resp: 118723
Ion Ratio Lower Upper
112 100
64 72.0 54.2 81.4
63 40.9 28.7 43.1

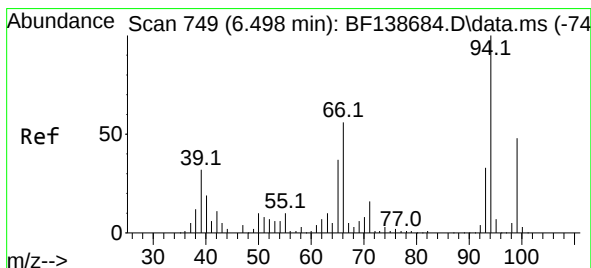
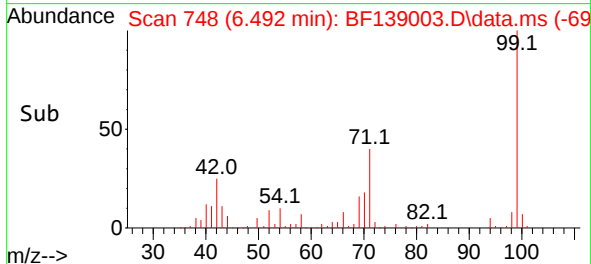
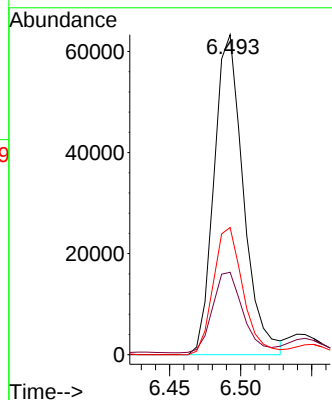
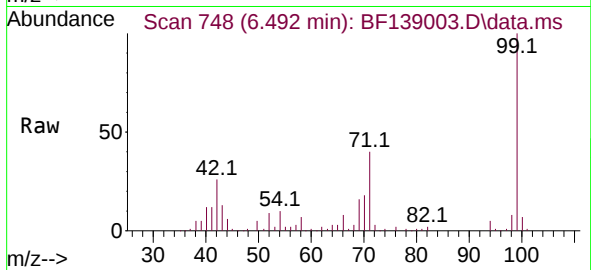




#7
Phenol-d6
Concen: 34.335 ng
RT: 6.492 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

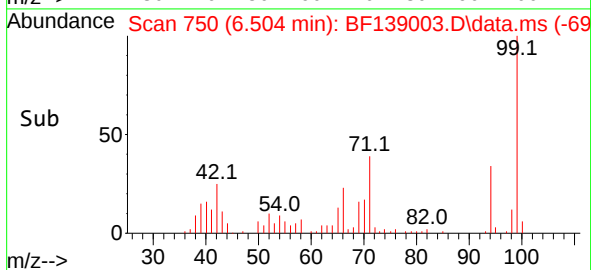
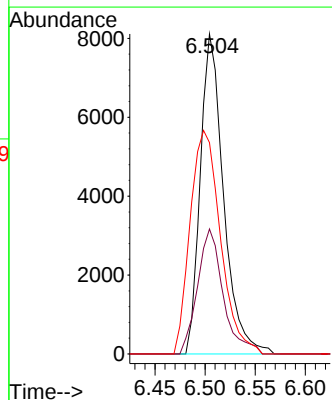
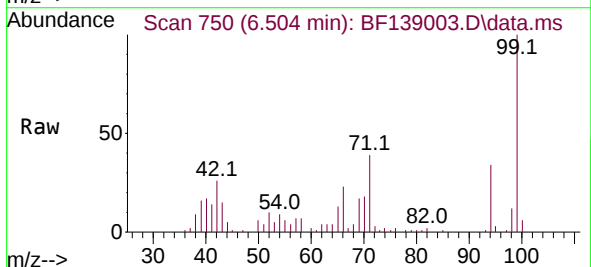
Instrument :
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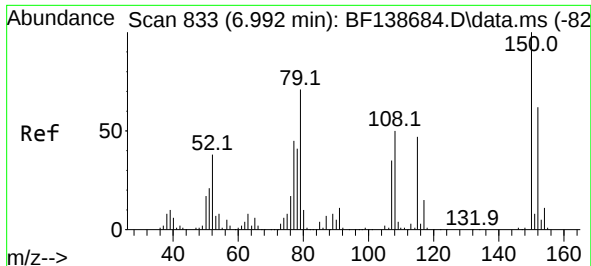
Tgt Ion: 99 Resp: 90975
Ion Ratio Lower Upper
99 100
42 25.8 17.4 26.0
71 39.8 28.1 42.1



#10
Phenol
Concen: 4.698 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

Tgt Ion: 94 Resp: 13106
Ion Ratio Lower Upper
94 100
65 39.1 16.9 56.9
66 66.0 36.5 76.5

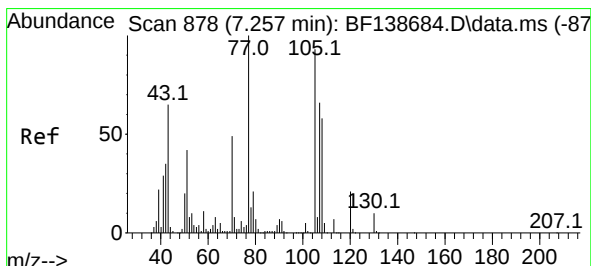
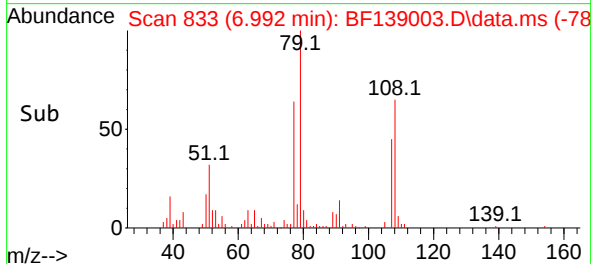
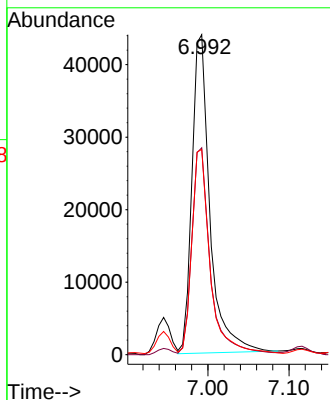
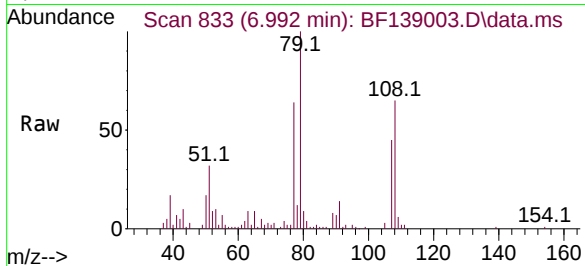




#15
Benzyl Alcohol
Concen: 35.482 ng
RT: 6.992 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

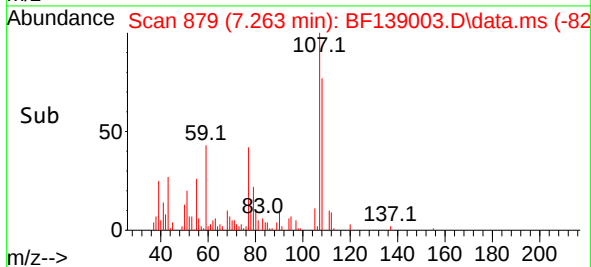
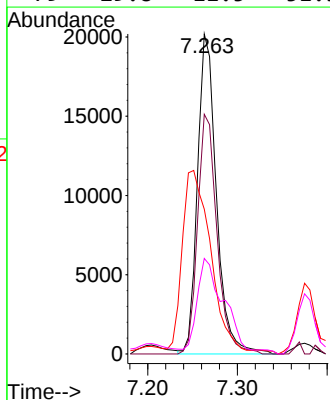
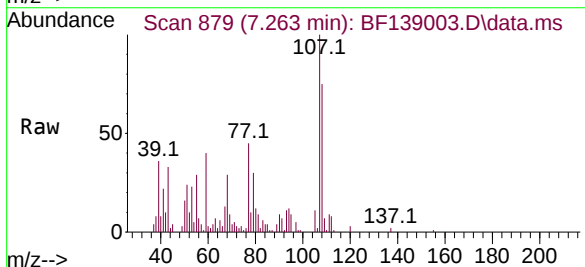
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BNA_F
ClientSampleId :
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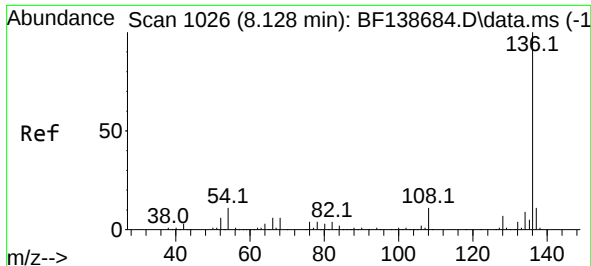
Tgt Ion: 79 Resp: 67760
Ion Ratio Lower Upper
79 100
108 64.6 56.6 85.0
77 64.1 50.3 75.5



#20
3+4-Methylphenols
Concen: 13.448 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

Tgt Ion: 107 Resp: 29583
Ion Ratio Lower Upper
107 100
108 74.9 68.2 108.2
77 45.2 132.1 172.1#
79 29.8 11.5 51.5

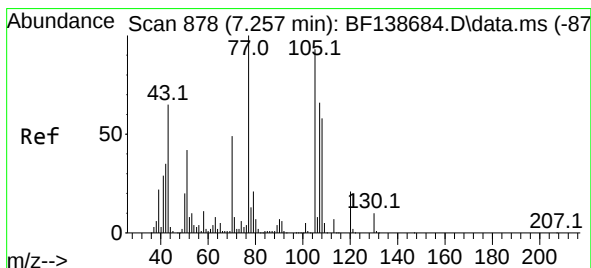
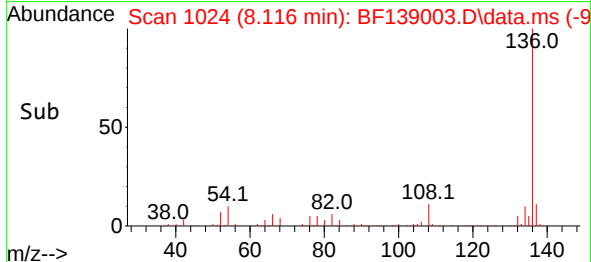
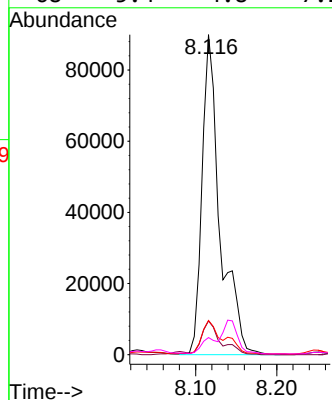
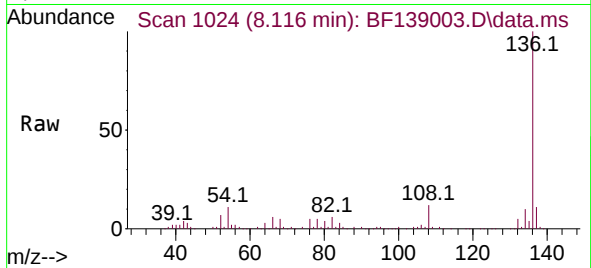




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

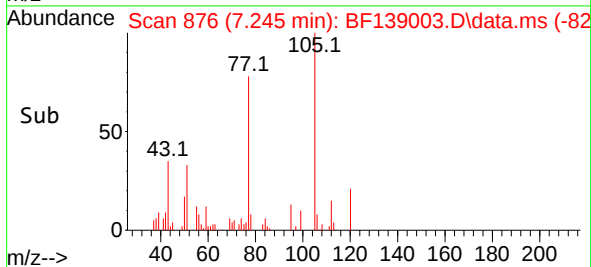
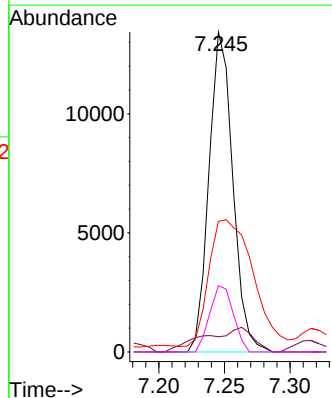
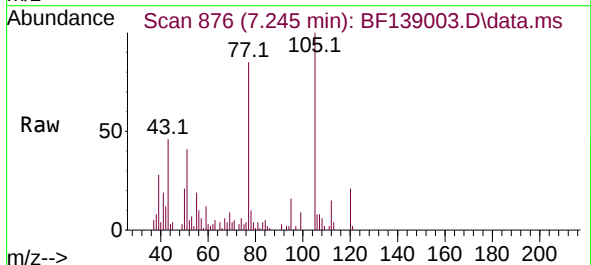
Instrument :
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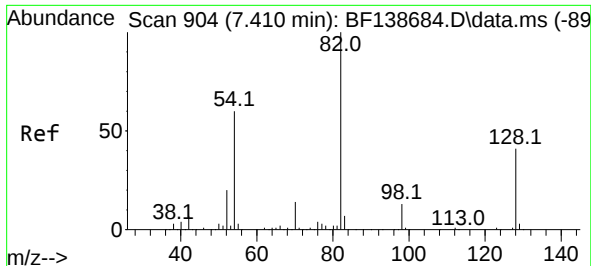
Tgt Ion:136	Resp: 138299
Ion Ratio	Lower Upper
136 100	
137 10.6	8.9 13.3
54 10.7	8.6 12.8
68 5.4	4.8 7.2



#22
Acetophenone
Concen: 5.021 ng
RT: 7.245 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

Tgt	Ion:105	Resp:	17003
Ion	Ratio	Lower	Upper
105	100		
71	4.8	7.2	10.8#
51	40.8	35.9	53.9
120	20.7	17.6	26.4





#23

Nitrobenzene-d5

Concen: 78.172 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF139003.D

Acq: 14 Aug 2024 19:46

Instrument :

BNA_F

ClientSampleId :

MUL06RE

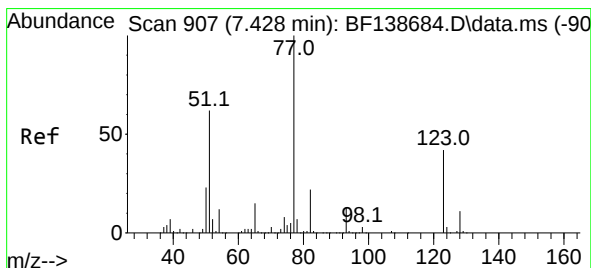
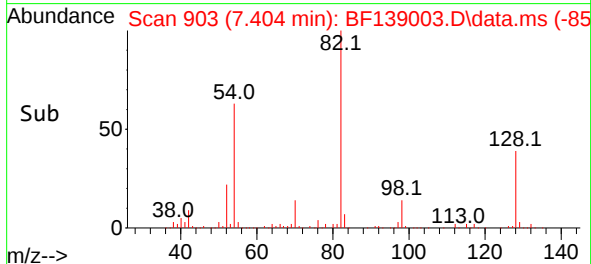
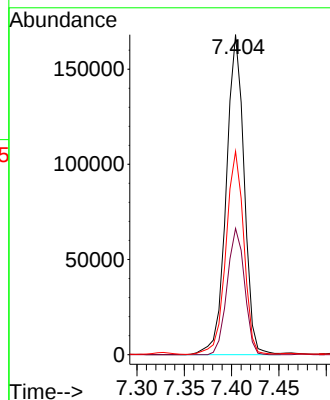
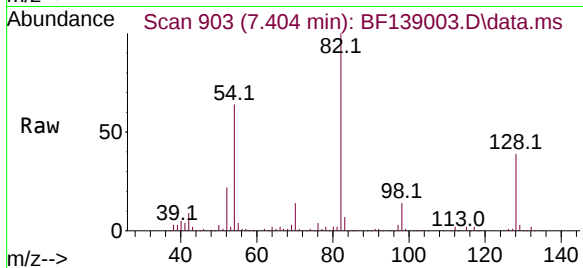
Tgt Ion: 82 Resp: 221124

Ion Ratio Lower Upper

82 100

128 39.5 32.8 49.2

54 63.6 48.3 72.5



#24

Nitrobenzene

Concen: 2.185 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.053 min

Lab File: BF139003.D

Acq: 14 Aug 2024 19:46

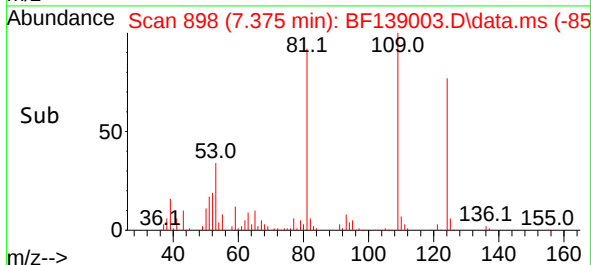
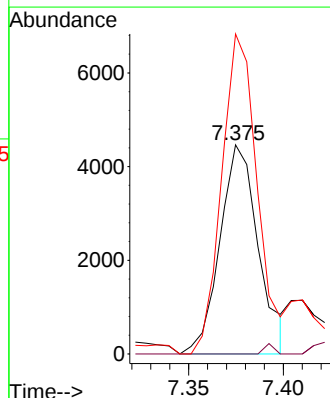
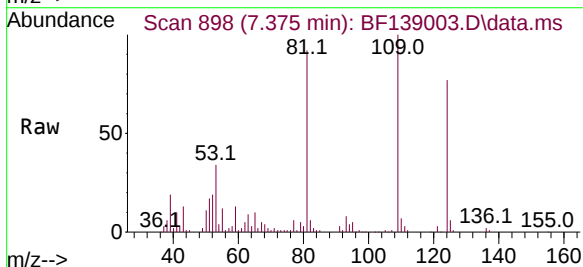
Tgt Ion: 77 Resp: 6288

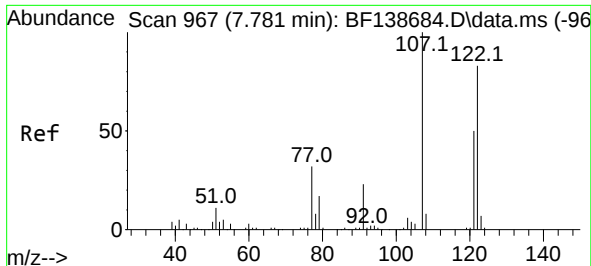
Ion Ratio Lower Upper

77 100

123 0.0 33.3 49.9#

65 153.0 11.9 17.9#

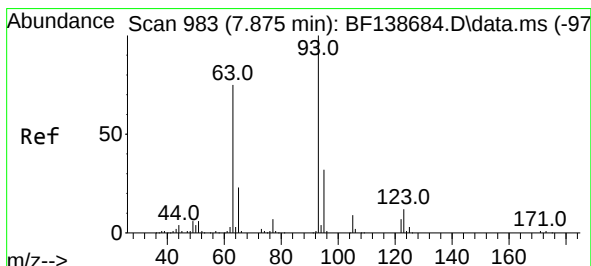
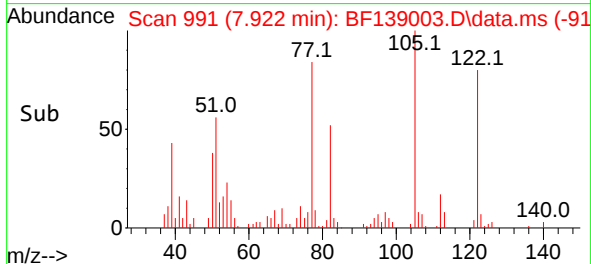
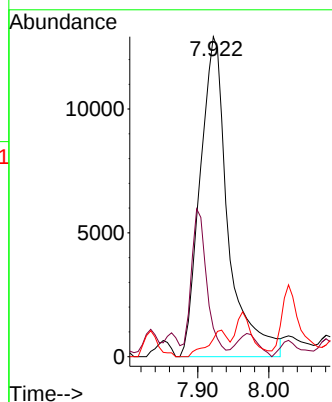
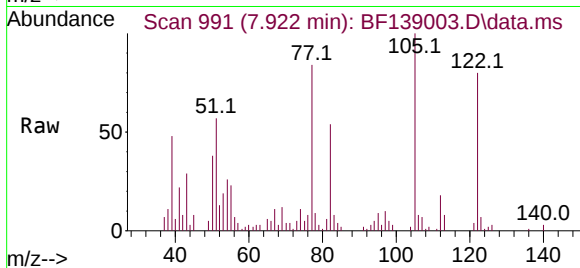




#27
2,4-Dimethylphenol
Concen: 23.959 ng
RT: 7.922 min Scan# 91
Delta R.T. 0.141 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

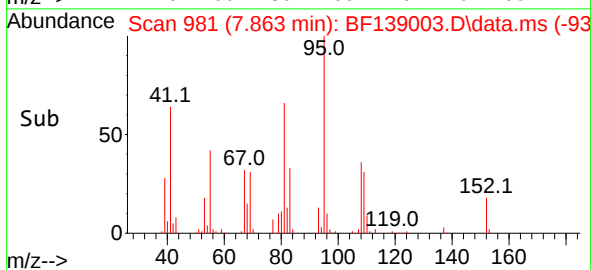
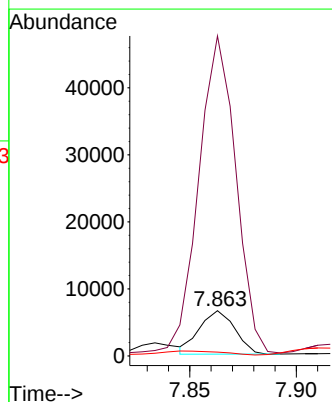
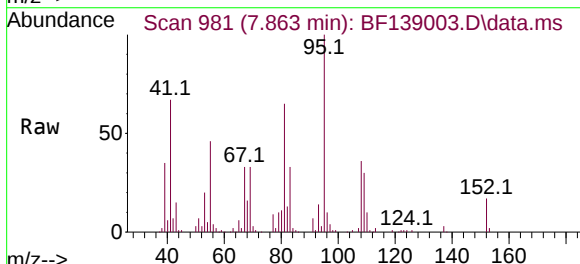
Instrument :
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ClientSampleId :
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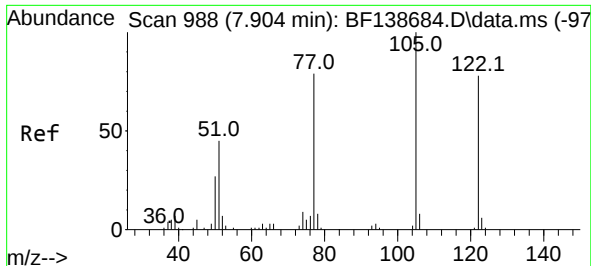
Tgt Ion:122 Resp: 35499
Ion Ratio Lower Upper
122 100
107 9.0 95.0 142.6#
121 5.5 47.3 70.9#



#28
bis(2-Chloroethoxy)methane
Concen: 2.537 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.012 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

Tgt Ion: 93 Resp: 7463
Ion Ratio Lower Upper
93 100
95 706.2 25.8 38.8#
123 8.4 9.4 14.0#

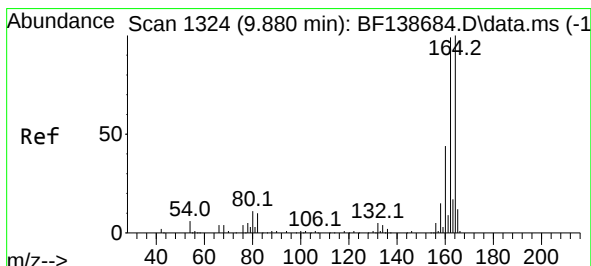
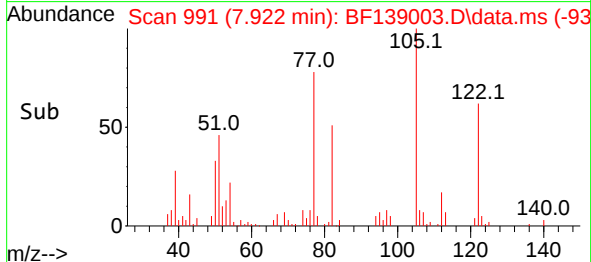
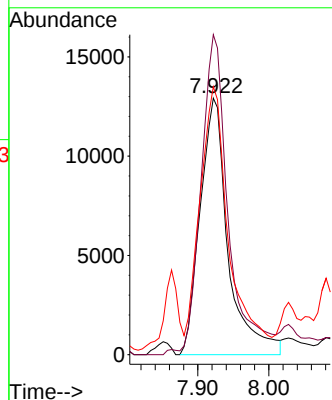
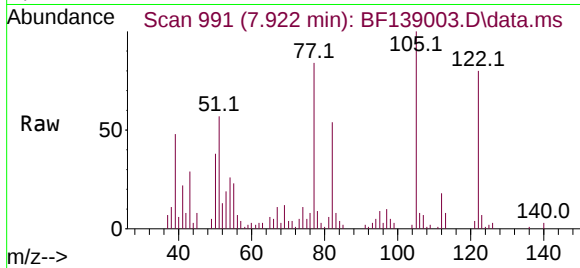




#32
Benzoic acid
Concen: 30.479 ng
RT: 7.922 min Scan# 91
Delta R.T. 0.018 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

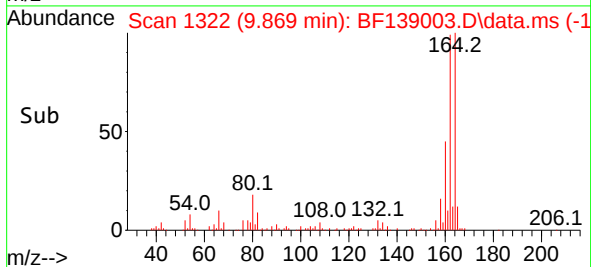
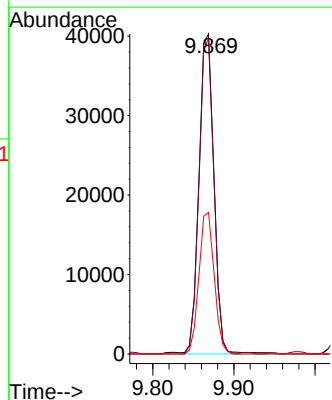
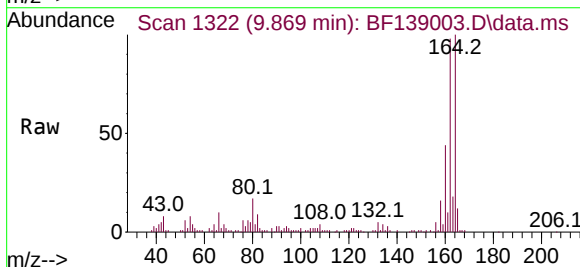
Instrument :
BNA_F
ClientSampleId :
MUL06RE

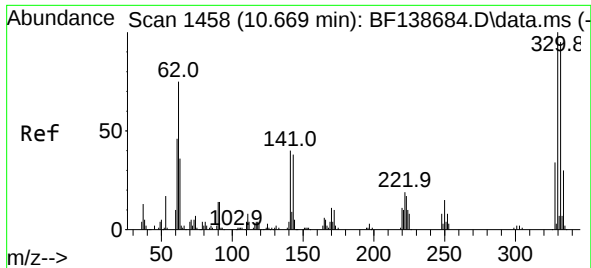
Tgt Ion:122 Resp: 35499
Ion Ratio Lower Upper
122 100
105 124.7 106.7 146.7
77 104.5 81.1 121.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

Tgt Ion:164 Resp: 51885
Ion Ratio Lower Upper
164 100
162 98.4 79.4 119.0
160 44.2 35.1 52.7

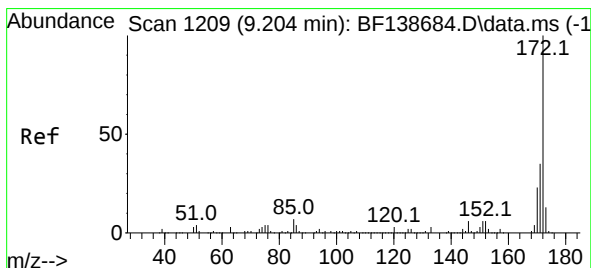
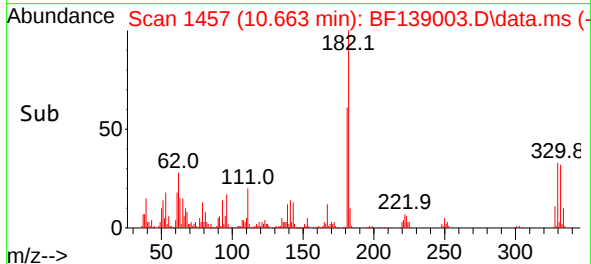
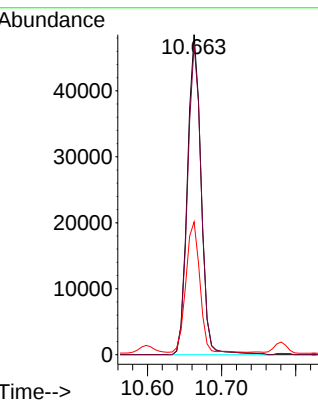
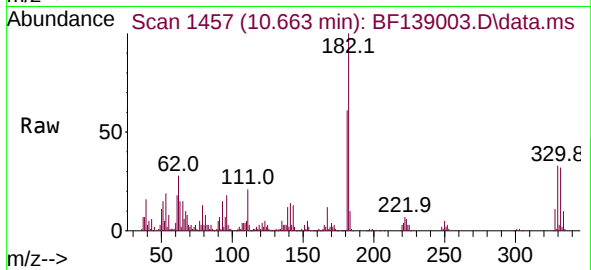




#42
2,4,6-Tribromophenol
Concen: 145.931 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

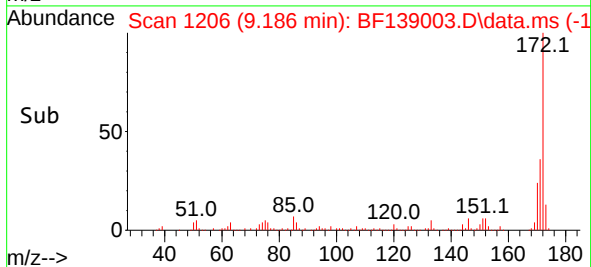
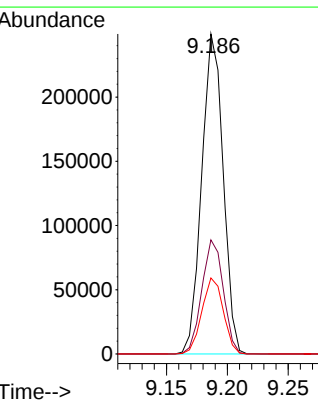
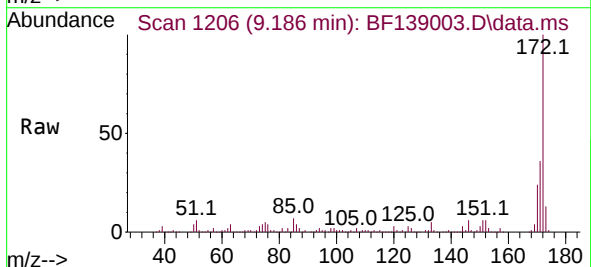
Instrument :
BNA_F
ClientSampleId :
MUL06RE

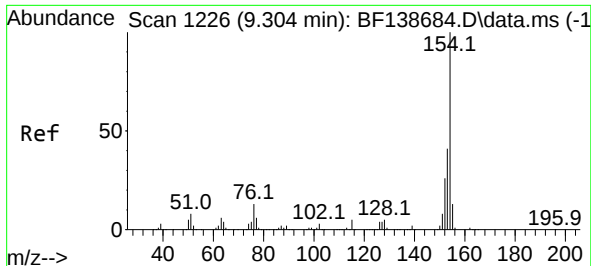
Tgt Ion: 330 Resp: 62022
Ion Ratio Lower Upper
330 100
332 97.5 76.4 114.6
141 41.1 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 88.520 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

Tgt Ion: 172 Resp: 305681
Ion Ratio Lower Upper
172 100
171 35.7 28.3 42.5
170 23.7 18.8 28.2

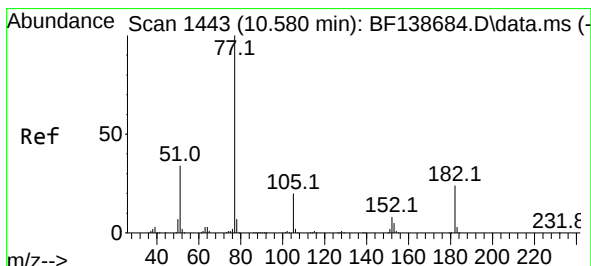
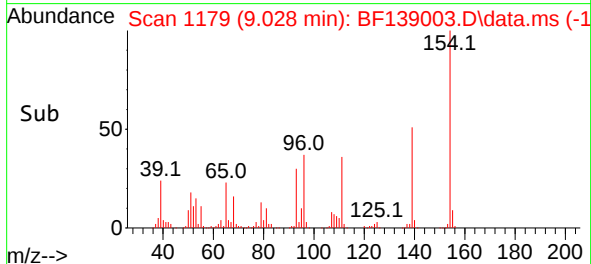
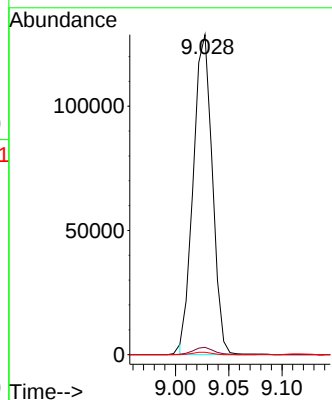
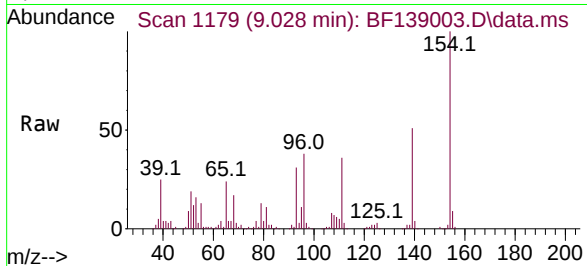




#46
1,1'-Biphenyl
Concen: 39.453 ng
RT: 9.028 min Scan# 11
Delta R.T. -0.276 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

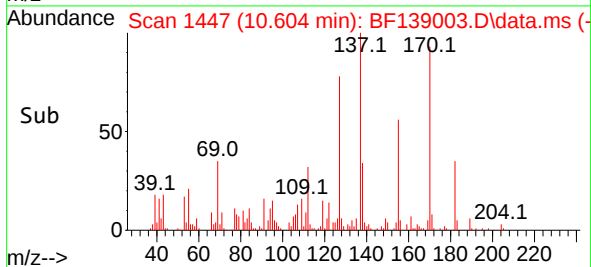
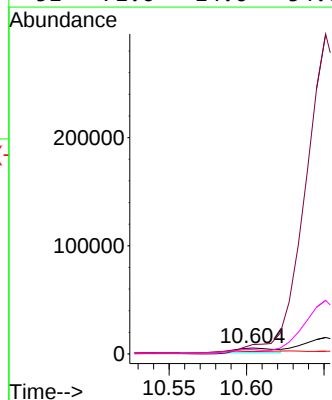
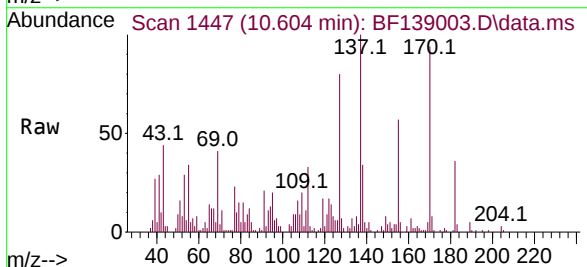
Instrument :
BNA_F
ClientSampleId :
MUL06RE

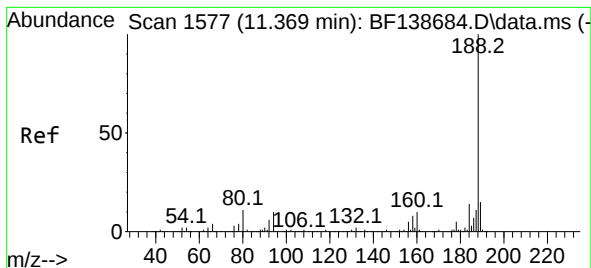
Tgt Ion:154 Resp: 160318
Ion Ratio Lower Upper
154 100
153 2.3 20.8 60.8#
76 0.8 0.0 32.8



#63
Azobenzene
Concen: 2.498 ng
RT: 10.604 min Scan# 1447
Delta R.T. 0.024 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

Tgt Ion: 77 Resp: 8716
Ion Ratio Lower Upper
77 100
182 156.4 3.4 43.4#
105 40.1 0.2 40.2
51 71.6 14.6 54.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139003.D

Acq: 14 Aug 2024 19:46

Instrument :

BNA_F

ClientSampleId :

MUL06RE

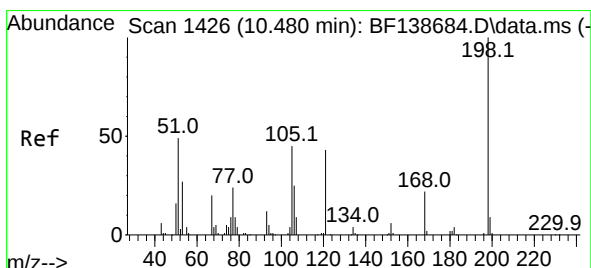
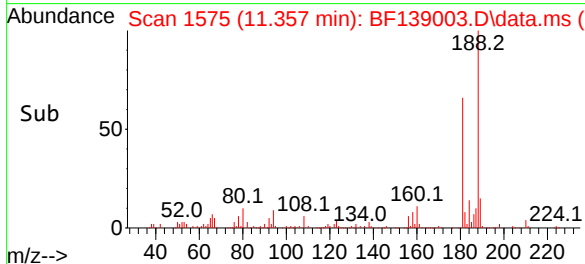
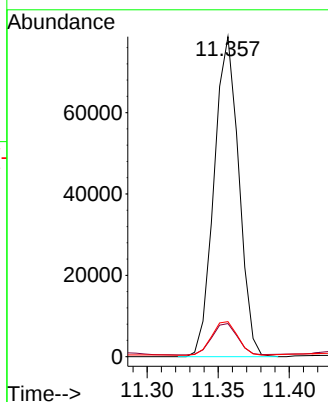
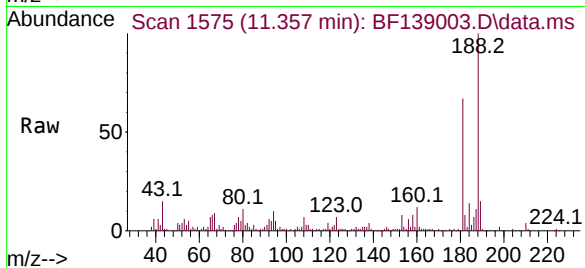
Tgt Ion:188 Resp: 95379

Ion Ratio Lower Upper

188 100

94 10.3 7.6 11.4

80 11.0 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 2.683 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.136 min

Lab File: BF139003.D

Acq: 14 Aug 2024 19:46

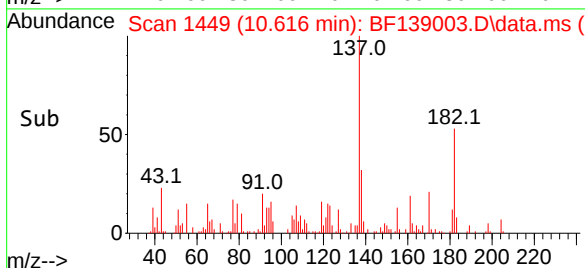
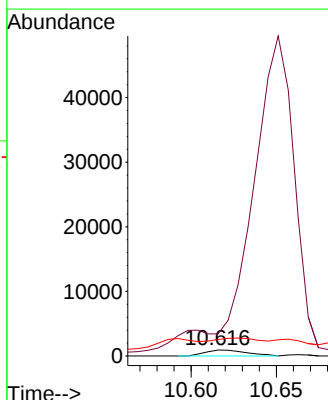
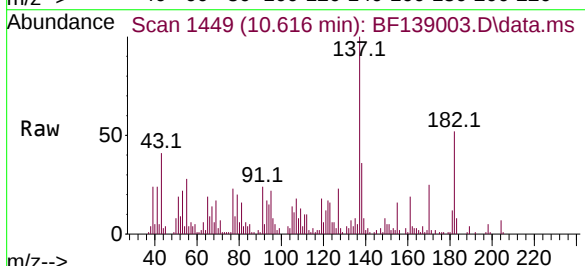
Tgt Ion:198 Resp: 1561

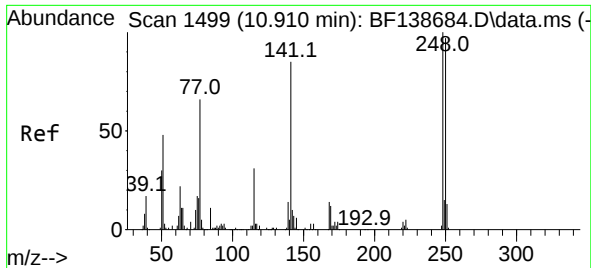
Ion Ratio Lower Upper

198 100

51 376.6 39.9 79.9#

105 279.6 26.1 66.1#

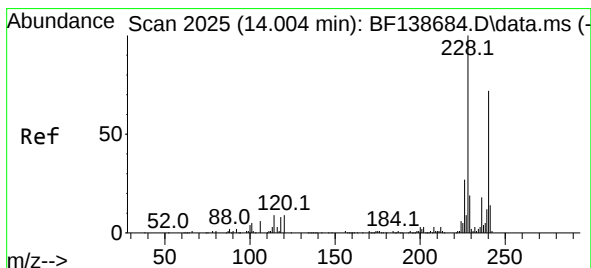
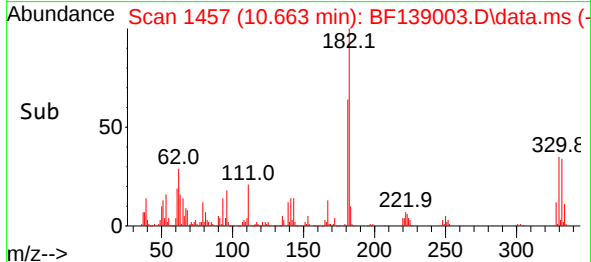
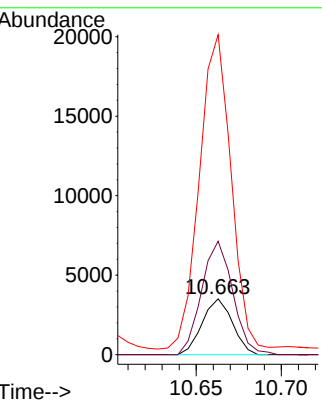
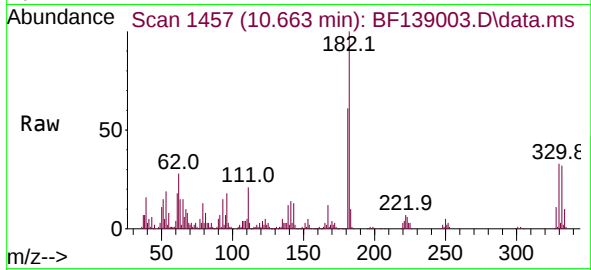




#67
4-Bromophenyl-phenylether
Concen: 4.201 ng
RT: 10.663 min Scan# 1499
Delta R.T. -0.247 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

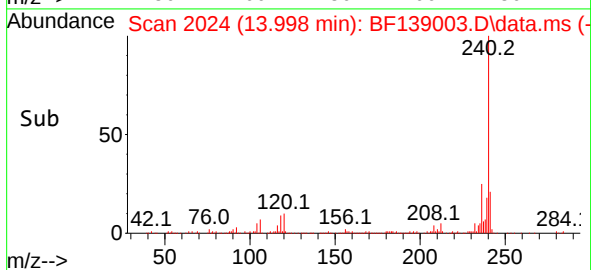
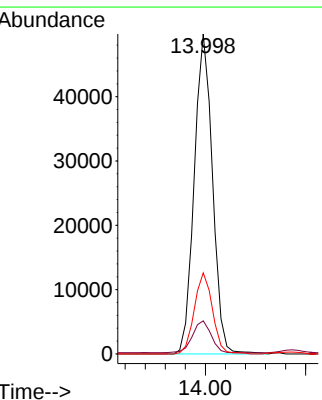
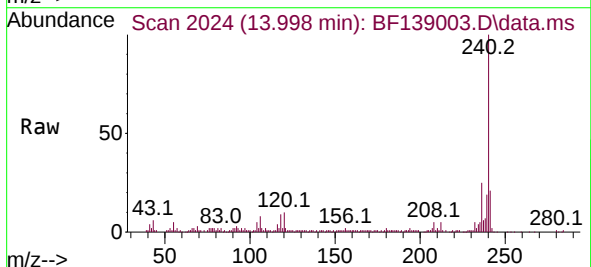
Instrument :
BNA_F
ClientSampleId :
MUL06RE

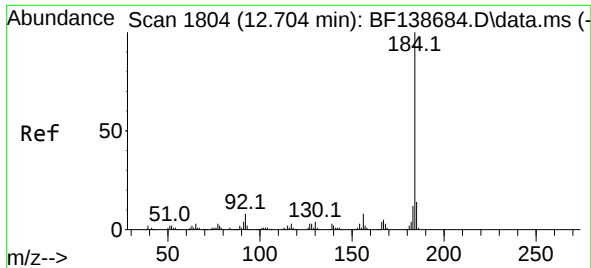
Tgt Ion:248 Resp: 4338
Ion Ratio Lower Upper
248 100
250 203.1 77.7 116.5#
141 572.8 68.0 102.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

Tgt Ion:240 Resp: 63161
Ion Ratio Lower Upper
240 100
120 10.3 10.2 15.4
236 25.3 19.8 29.8





#77

Benzidine

Concen: 4.178 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.235 min

Lab File: BF139003.D

Acq: 14 Aug 2024 19:46

Instrument :

BNA_F

ClientSampleId :

MUL06RE

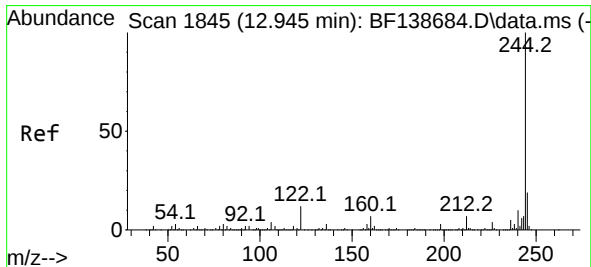
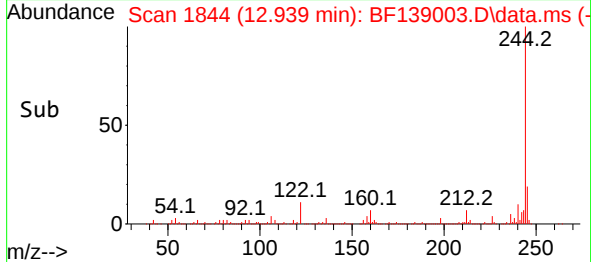
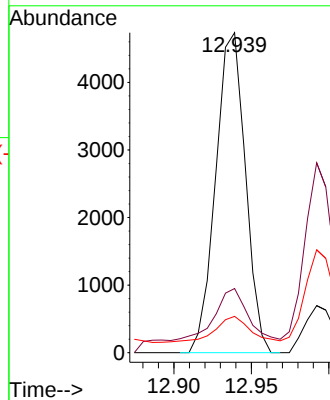
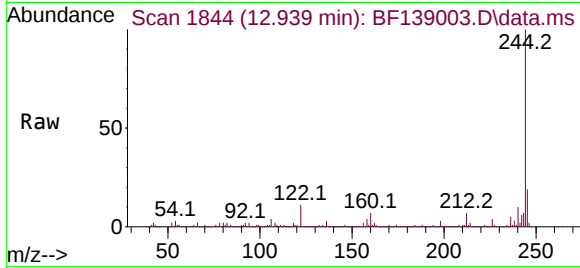
Tgt Ion:184 Resp: 6312

Ion Ratio Lower Upper

184 100

185 20.1 11.1 16.7#

183 11.3 9.6 14.4



#79

Terphenyl-d14

Concen: 107.811 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF139003.D

Acq: 14 Aug 2024 19:46

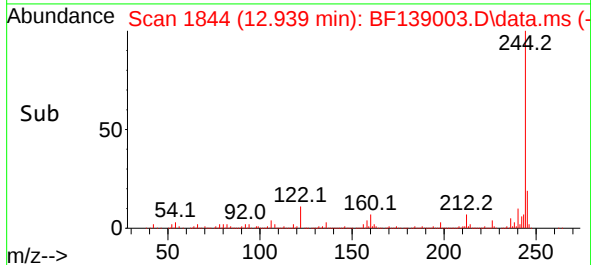
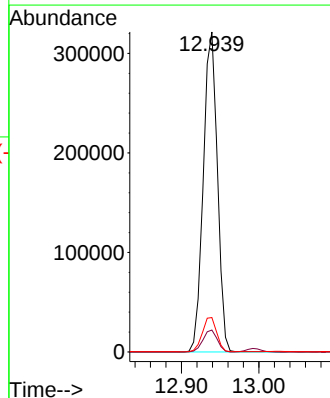
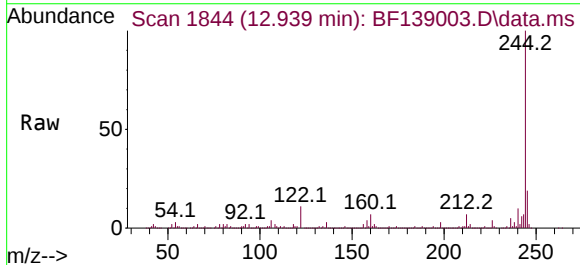
Tgt Ion:244 Resp: 406711

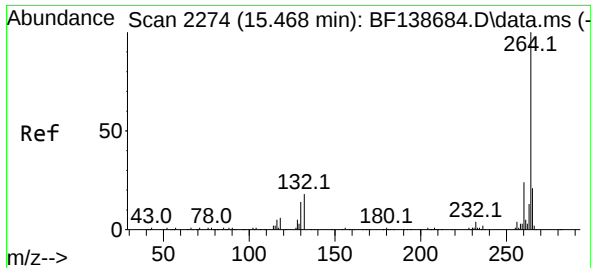
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

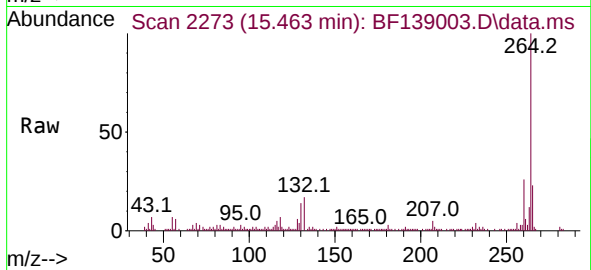
122 10.8 9.6 14.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139003.D
Acq: 14 Aug 2024 19:46

Instrument :
BNA_F
ClientSampleId :
MUL06RE



Tgt Ion:264 Resp: 47717

Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.0	28.6
265	22.7	17.0	25.6

