

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
 Data File : BF139824.D
 Acq On : 16 Oct 2024 11:45
 Operator : RC/JU
 Sample : P4396-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-WATER-FRAC-TANK

Quant Time: Oct 16 12:11:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 16:41:54 2024
 Response via : Initial Calibration

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

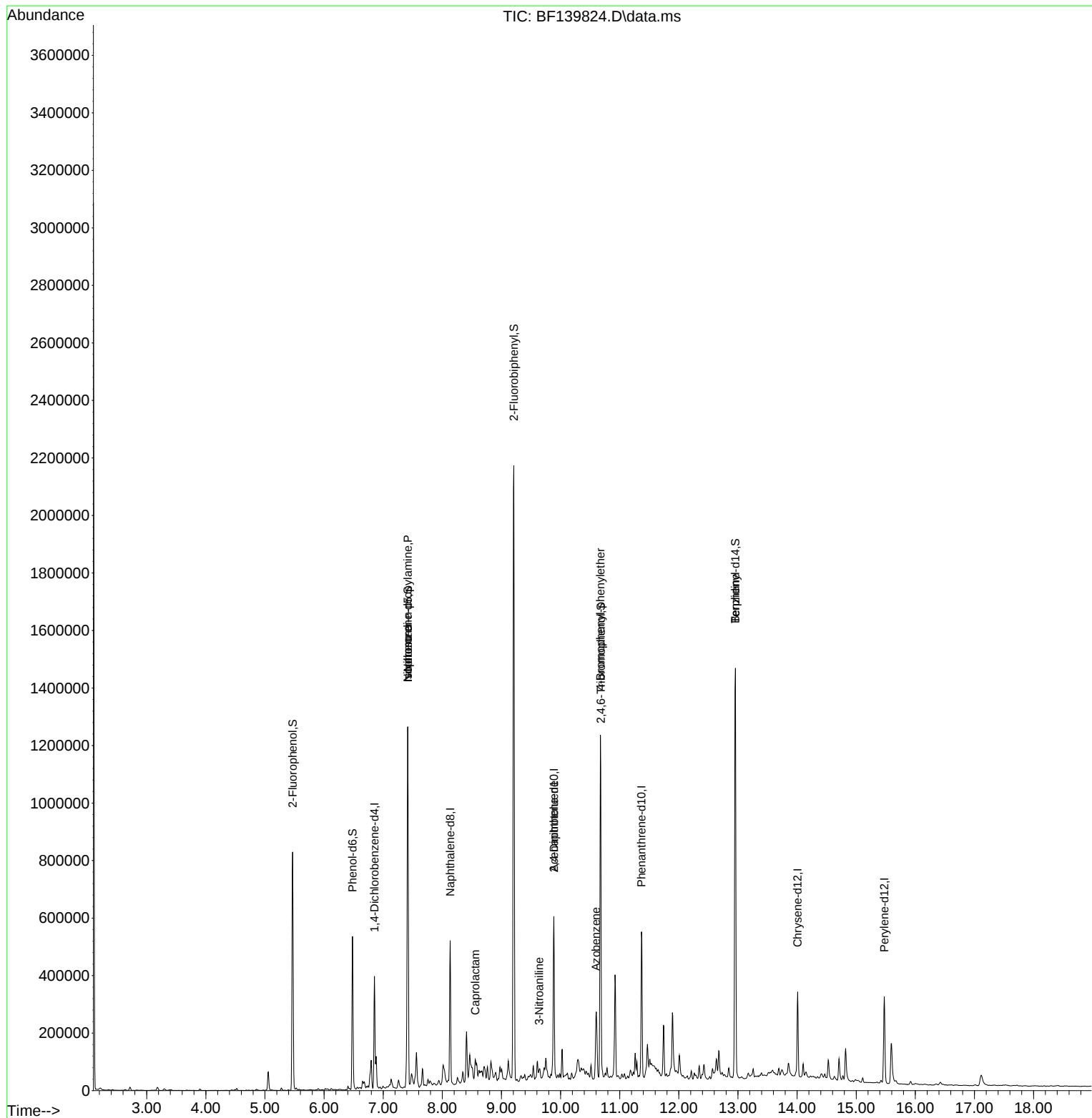
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	76888	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	288995	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	159371	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	271489	20.000	ng	0.00
76) Chrysene-d12	14.010	240	131574	20.000	ng	0.00
86) Perylene-d12	15.474	264	167034	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	295096	64.758	ng	0.00
7) Phenol-d6	6.481	99	235441	38.850	ng	-0.01
23) Nitrobenzene-d5	7.416	82	547412	97.495	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	190133	141.457	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	925908	86.896	ng	0.00
79) Terphenyl-d14	12.957	244	701480	111.390	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	74533	21.119	ng	# 75
25) Isophorone	7.416	82	546377	57.021	ng	# 67
35) Caprolactam	8.557	113	4146	3.656	ng	# 43
53) 3-Nitroaniline	9.639	138	12856	5.793	ng	# 6
57) 2,4-Dinitrotoluene	9.886	165	20102	7.315	ng	# 21
63) Azobenzene	10.598	77	52431	5.299	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	12377	4.232	ng	# 1
77) Benzidine	12.957	184	9615	4.375	ng	# 93

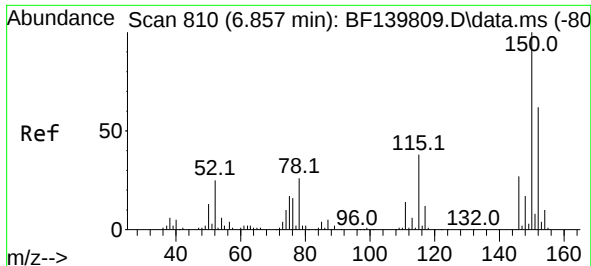
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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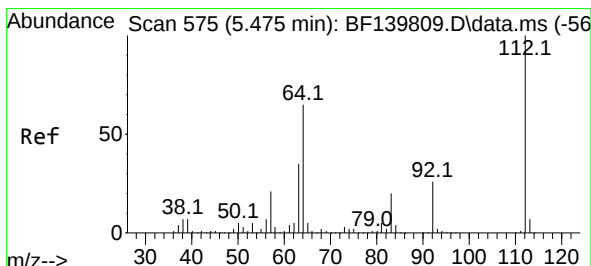
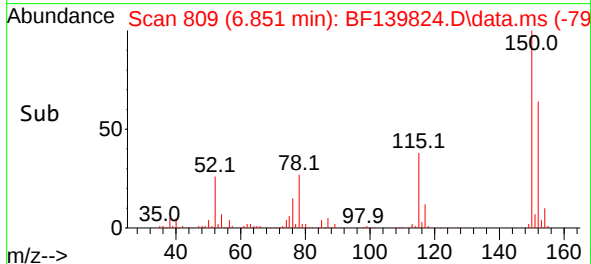
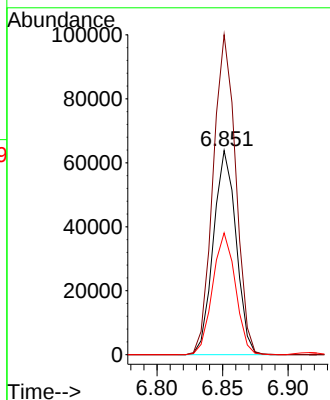
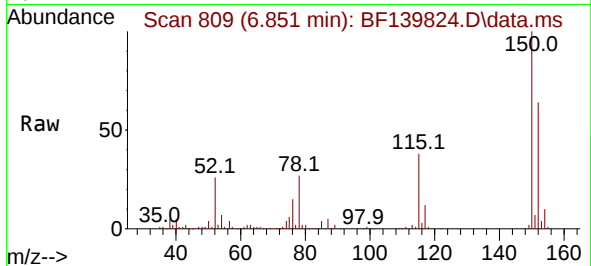




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF139824.D
Acq: 16 Oct 2024 11:45

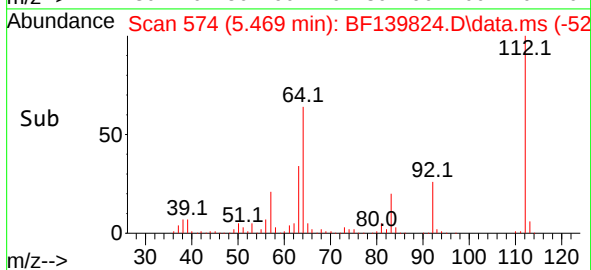
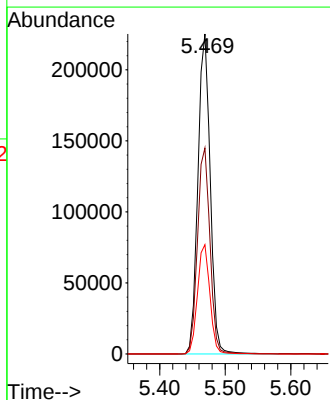
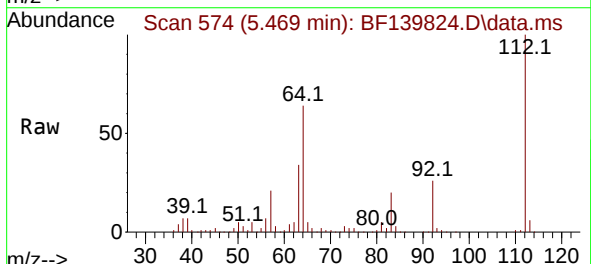
Instrument :
BNA_F
ClientSampleId :
WASTE-WATER-FRAC-TANK

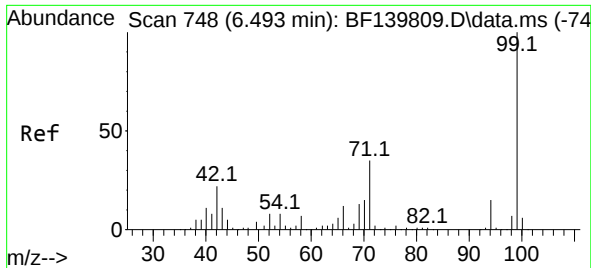
Tgt Ion:152 Resp: 76888
Ion Ratio Lower Upper
152 100
150 156.7 128.2 192.2
115 59.6 48.1 72.1



#5
2-Fluorophenol
Concen: 64.758 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.006 min
Lab File: BF139824.D
Acq: 16 Oct 2024 11:45

Tgt Ion:112 Resp: 295096
Ion Ratio Lower Upper
112 100
64 64.4 52.1 78.1
63 34.1 27.6 41.4

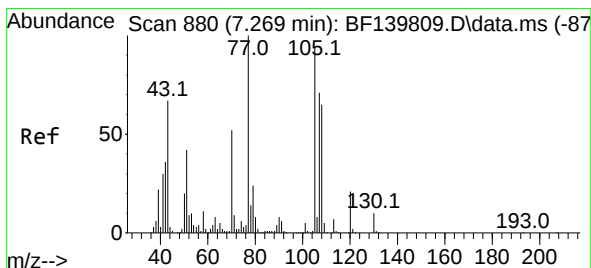
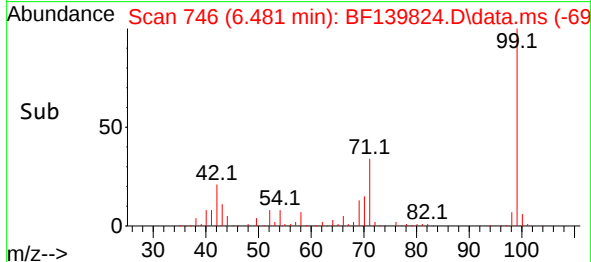
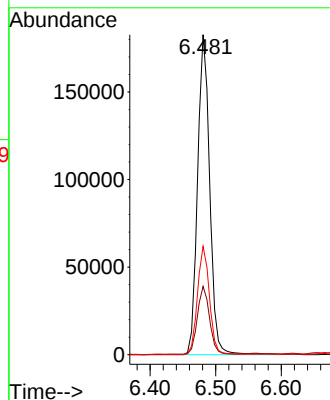
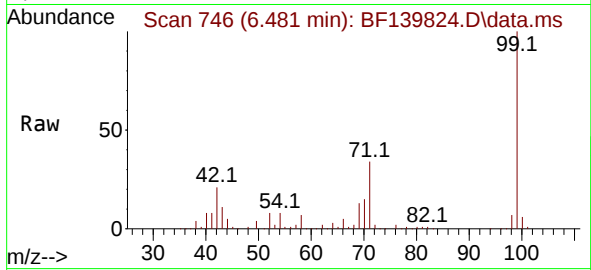




#7
Phenol-d6
Concen: 38.850 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139824.D
Acq: 16 Oct 2024 11:45

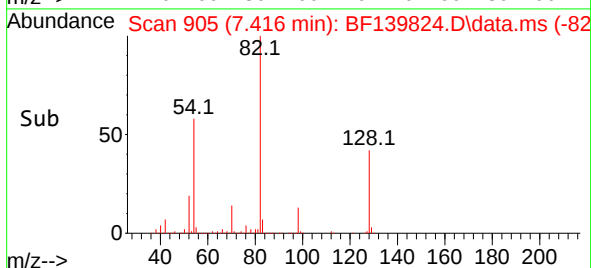
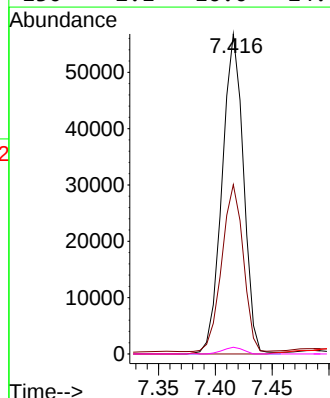
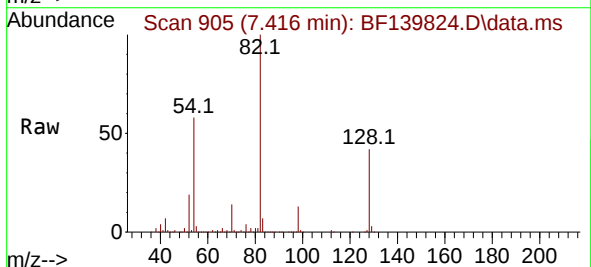
Instrument :
BNA_F
ClientSampleId :
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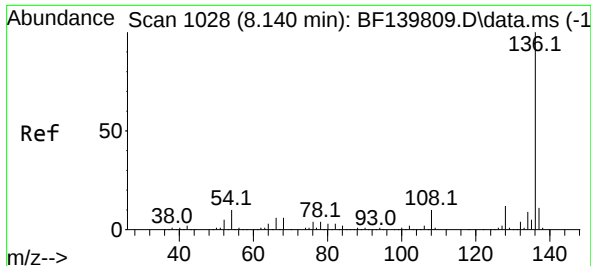
Tgt Ion: 99 Resp: 235441
Ion Ratio Lower Upper
99 100
42 21.3 17.3 25.9
71 33.8 27.8 41.6



#19
n-Nitroso-di-n-propylamine
Concen: 21.119 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.147 min
Lab File: BF139824.D
Acq: 16 Oct 2024 11:45

Tgt Ion: 70 Resp: 74533
Ion Ratio Lower Upper
70 100
42 52.9 55.8 83.6#
101 0.0 7.4 11.0#
130 2.1 16.0 24.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.133 min Scan# 1

Delta R.T. -0.007 min

Lab File: BF139824.D

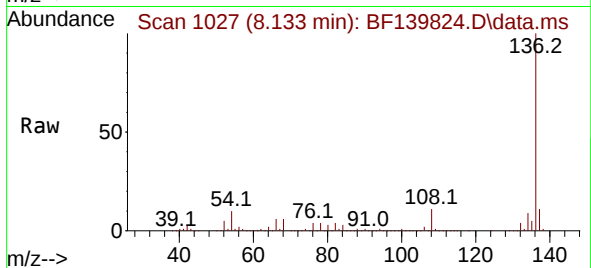
Acq: 16 Oct 2024 11:45

Instrument :

BNA_F

ClientSampleId :

WASTE-WATER-FRAC-TANK



Tgt Ion:136 Resp: 288995

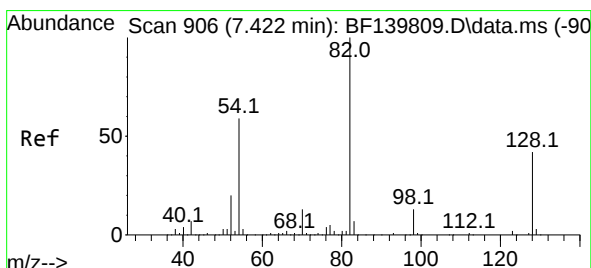
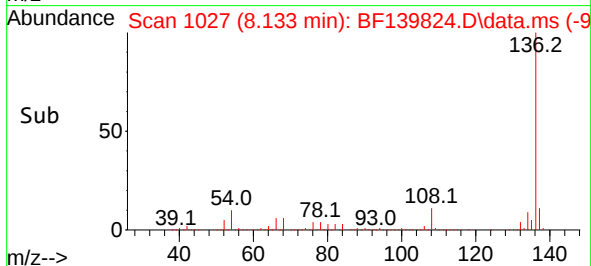
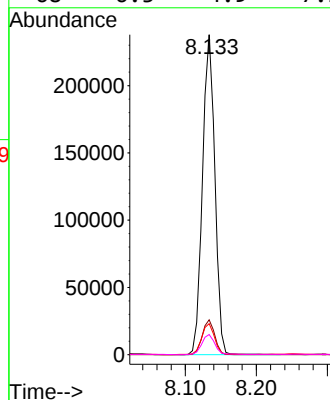
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 9.7 7.7 11.5

68 6.3 4.9 7.3



#23

Nitrobenzene-d5

Concen: 97.495 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF139824.D

Acq: 16 Oct 2024 11:45

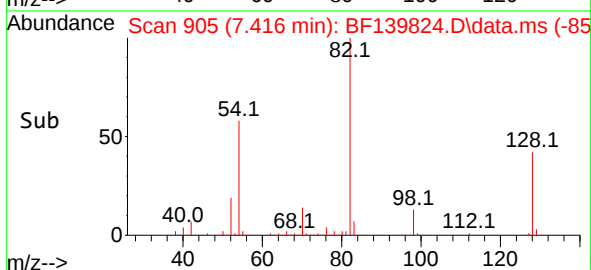
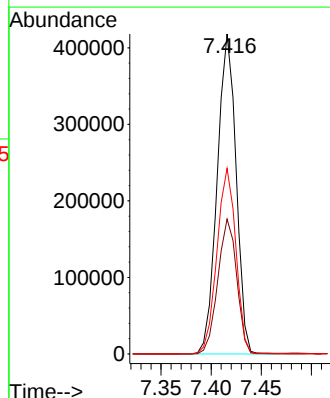
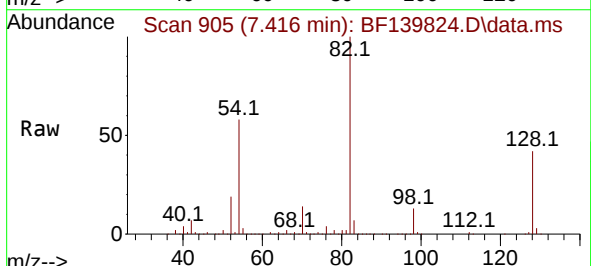
Tgt Ion: 82 Resp: 547412

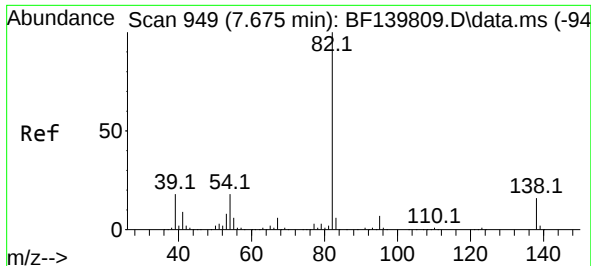
Ion Ratio Lower Upper

82 100

128 42.2 33.9 50.9

54 58.0 46.9 70.3

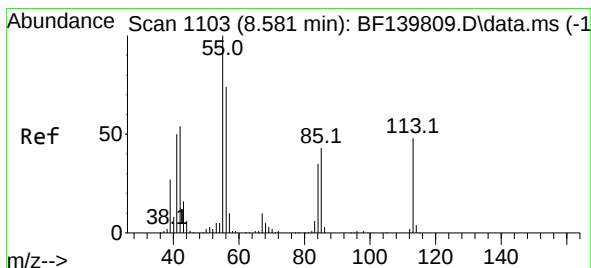
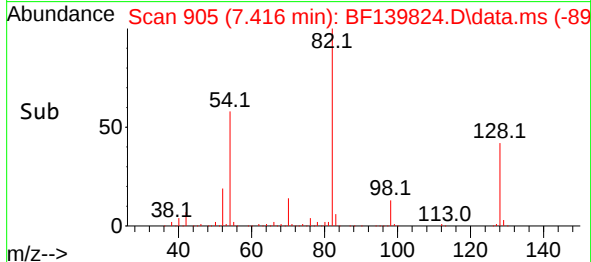
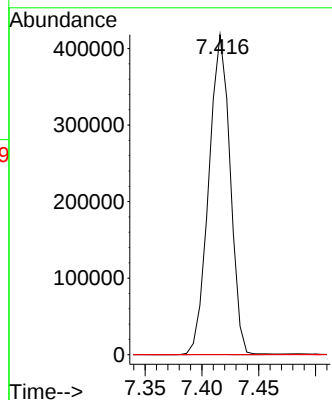
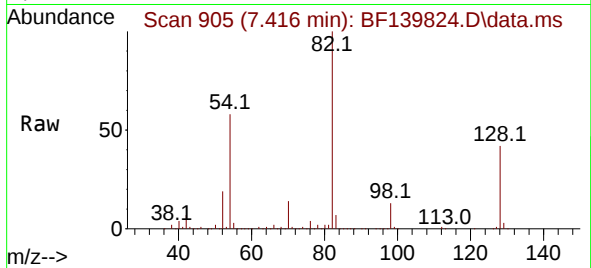




#25
Isophorone
Concen: 57.021 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139824.D
Acq: 16 Oct 2024 11:45

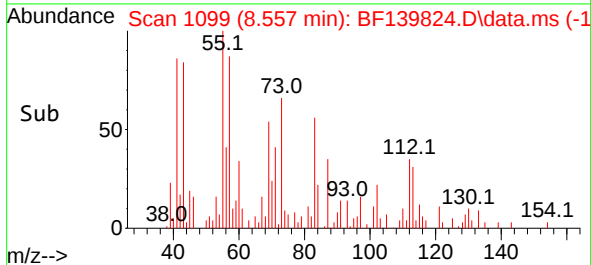
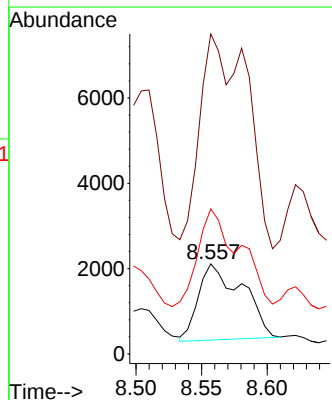
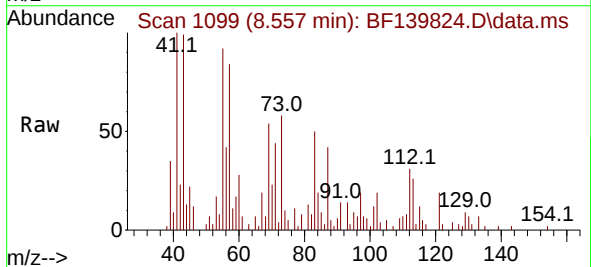
Instrument :
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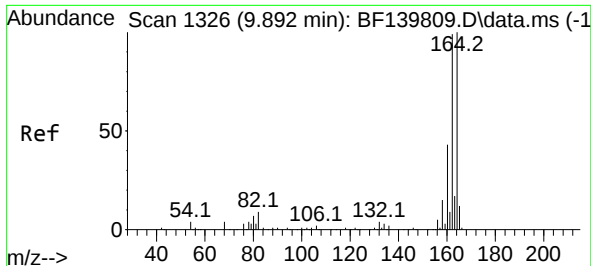
Tgt Ion: 82 Resp: 546377
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.2 19.8#



#35
Caprolactam
Concen: 3.656 ng
RT: 8.557 min Scan# 1099
Delta R.T. -0.024 min
Lab File: BF139824.D
Acq: 16 Oct 2024 11:45

Tgt Ion: 113 Resp: 4146
Ion Ratio Lower Upper
113 100
55 355.3 187.1 227.1#
56 161.2 134.0 174.0

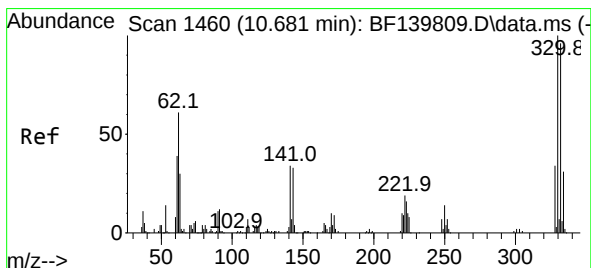
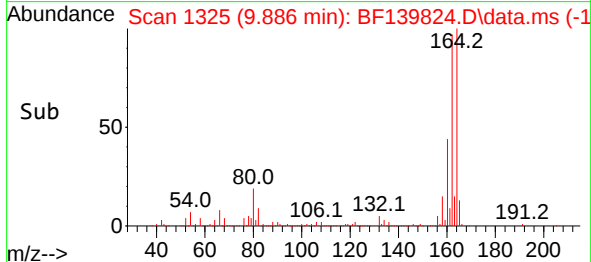
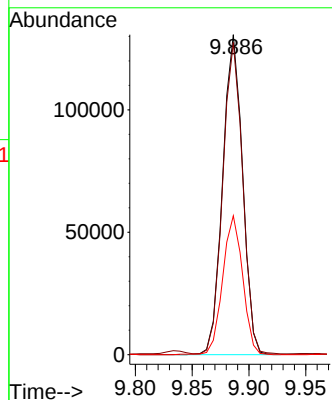
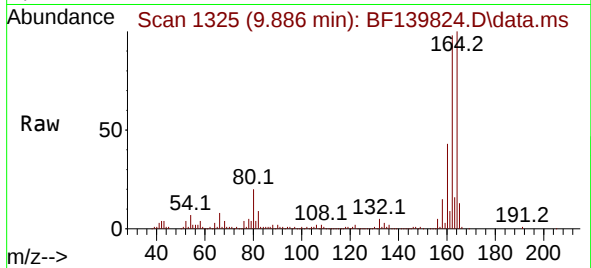




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139824.D
Acq: 16 Oct 2024 11:45

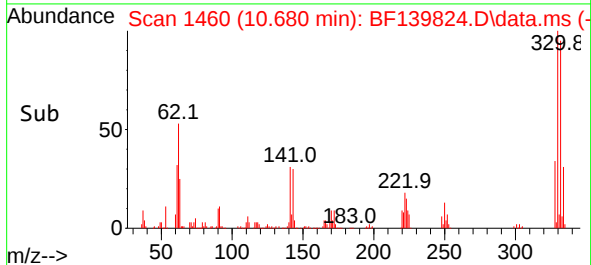
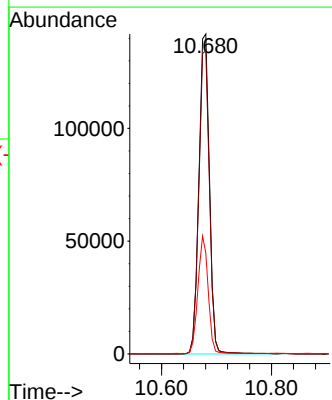
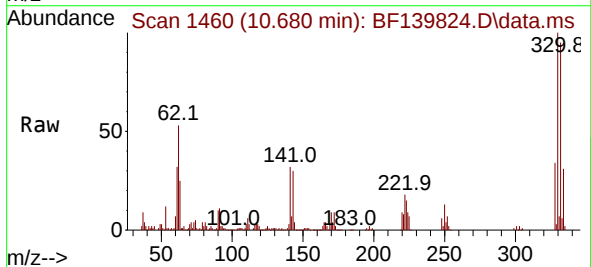
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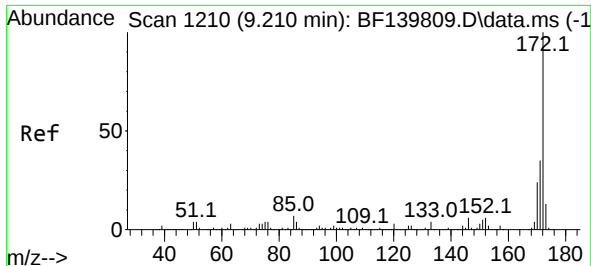
Tgt Ion:164 Resp: 159371
Ion Ratio Lower Upper
164 100
162 97.6 79.1 118.7
160 43.4 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 141.457 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF139824.D
Acq: 16 Oct 2024 11:45

Tgt Ion:330 Resp: 190133
Ion Ratio Lower Upper
330 100
332 95.3 76.6 114.8
141 35.2 27.8 41.6

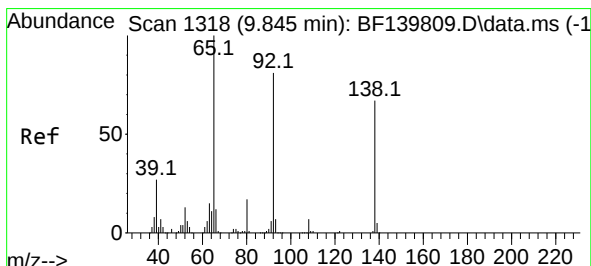
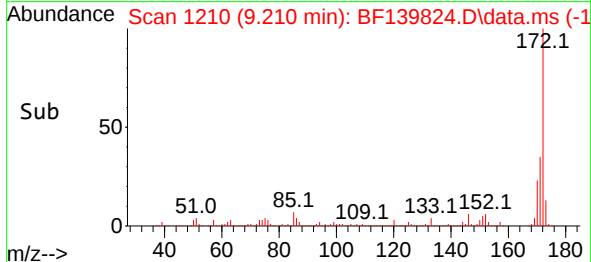
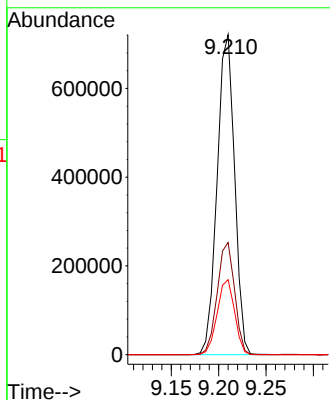
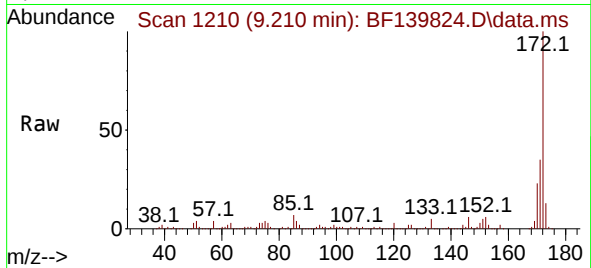




#45
2-Fluorobiphenyl
Concen: 86.896 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139824.D
Acq: 16 Oct 2024 11:45

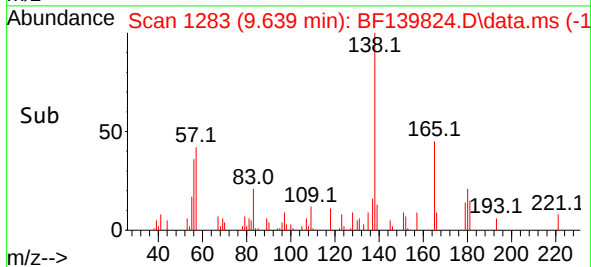
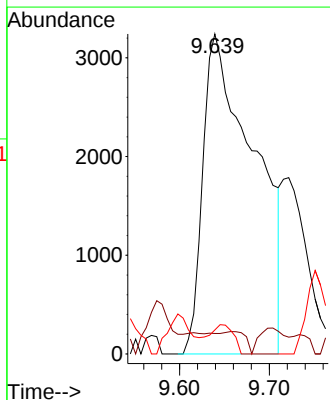
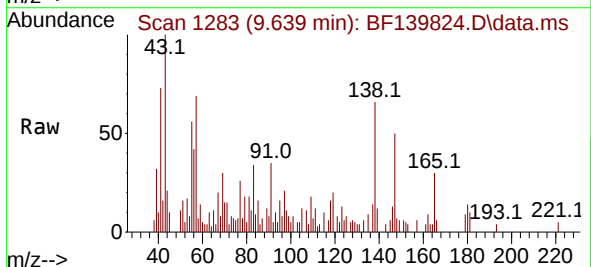
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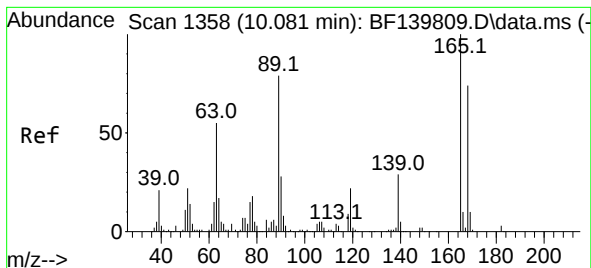
Tgt Ion:172 Resp: 925908
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 23.4 18.9 28.3



#53
3-Nitroaniline
Concen: 5.793 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.206 min
Lab File: BF139824.D
Acq: 16 Oct 2024 11:45

Tgt Ion:138 Resp: 12856
Ion Ratio Lower Upper
138 100
108 6.4 9.0 13.4#
92 7.5 97.5 146.3#

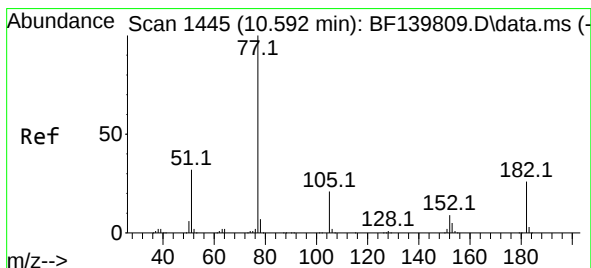
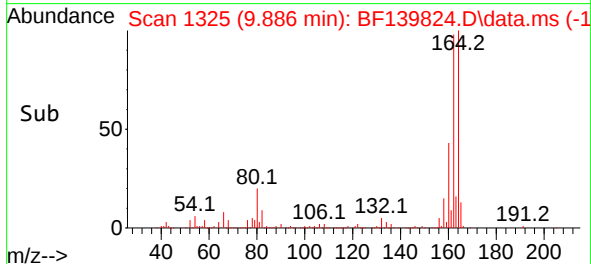
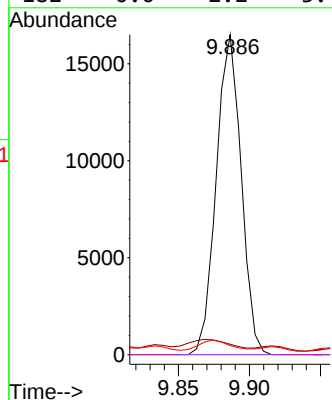
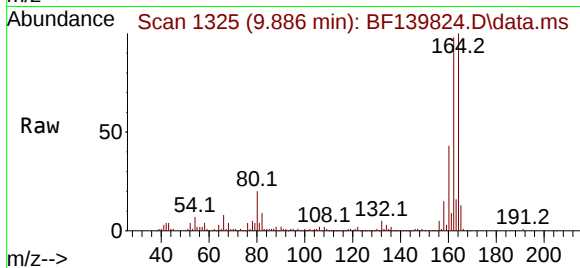




#57
2,4-Dinitrotoluene
Concen: 7.315 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.195 min
Lab File: BF139824.D
Acq: 16 Oct 2024 11:45

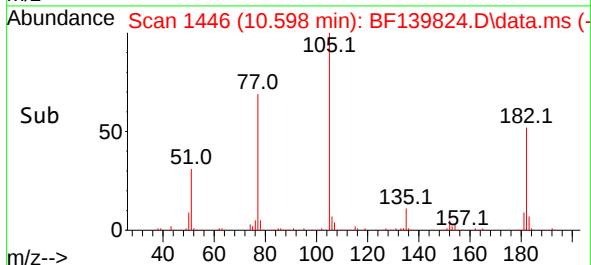
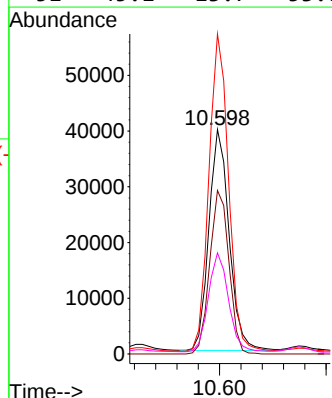
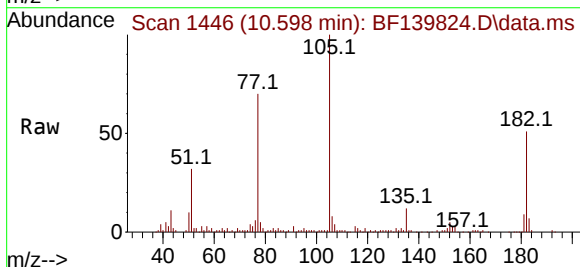
Instrument :
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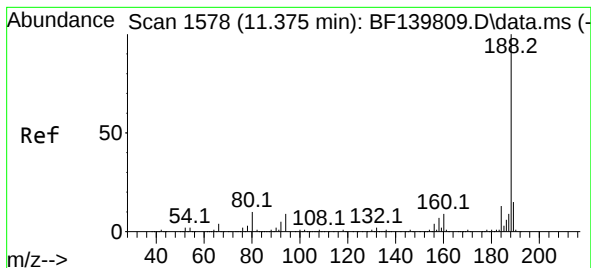
Tgt Ion:165 Resp: 20102
Ion Ratio Lower Upper
165 100
63 3.3 44.7 67.1#
89 2.9 63.1 94.7#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 5.299 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF139824.D
Acq: 16 Oct 2024 11:45

Tgt Ion: 77 Resp: 52431
Ion Ratio Lower Upper
77 100
182 72.8 5.4 45.4#
105 142.5 0.4 40.4#
51 45.1 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139824.D

Acq: 16 Oct 2024 11:45

Instrument :

BNA_F

ClientSampleId :

WASTE-WATER-FRAC-TANK

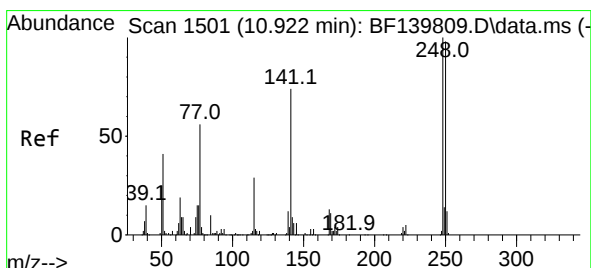
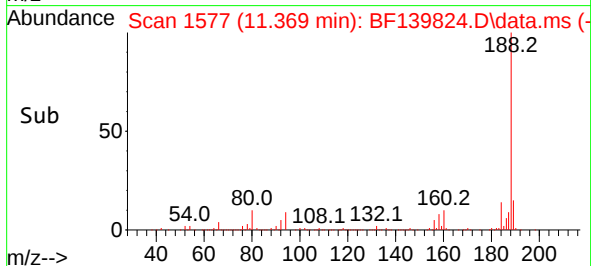
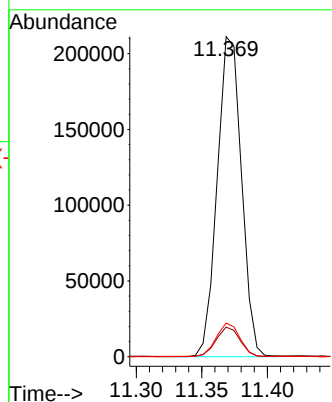
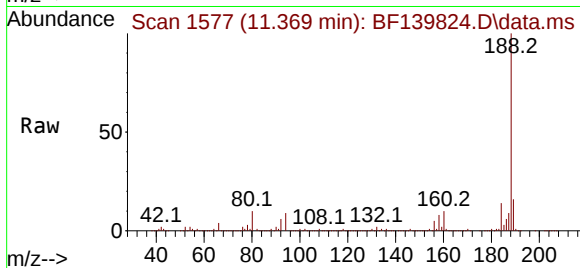
Tgt Ion:188 Resp: 271489

Ion Ratio Lower Upper

188 100

94 9.2 7.3 10.9

80 10.5 7.8 11.8



#67

4-Bromophenyl-phenylether

Concen: 4.232 ng

RT: 10.674 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF139824.D

Acq: 16 Oct 2024 11:45

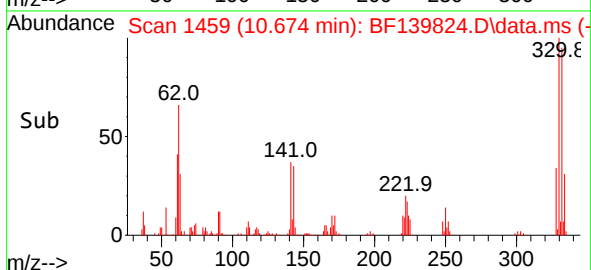
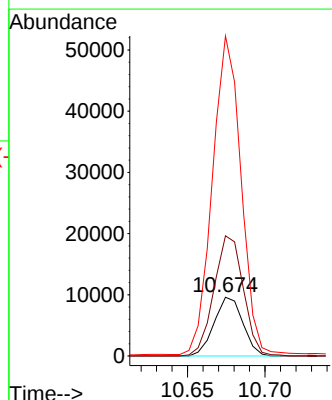
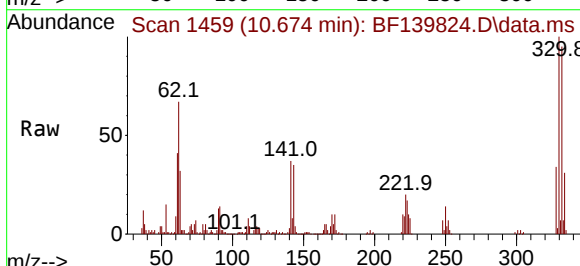
Tgt Ion:248 Resp: 12377

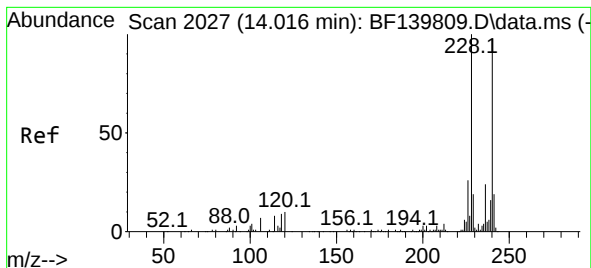
Ion Ratio Lower Upper

248 100

250 204.9 78.7 118.1#

141 545.4 58.9 88.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF139824.D

Acq: 16 Oct 2024 11:45

Instrument :

BNA_F

ClientSampleId :

WASTE-WATER-FRAC-TANK

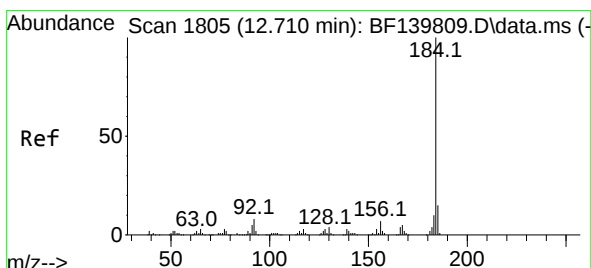
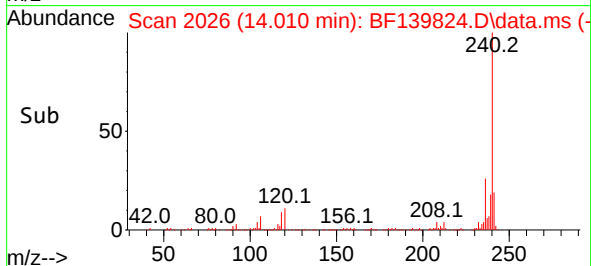
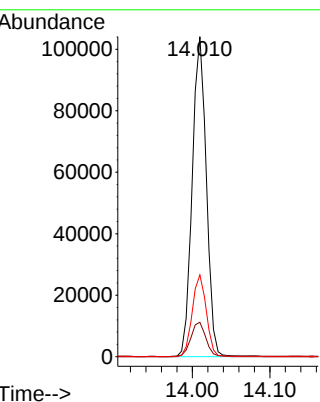
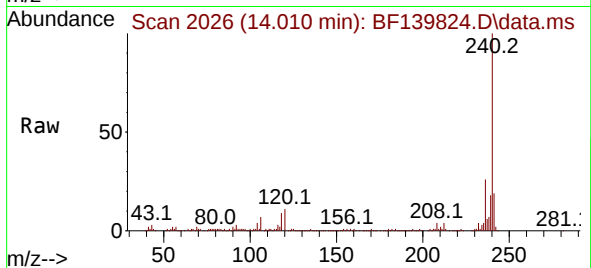
Tgt Ion:240 Resp: 131574

Ion Ratio Lower Upper

240 100

120 10.8 8.6 12.8

236 25.6 20.0 30.0



#77

Benzdine

Concen: 4.375 ng

RT: 12.957 min Scan# 1847

Delta R.T. 0.247 min

Lab File: BF139824.D

Acq: 16 Oct 2024 11:45

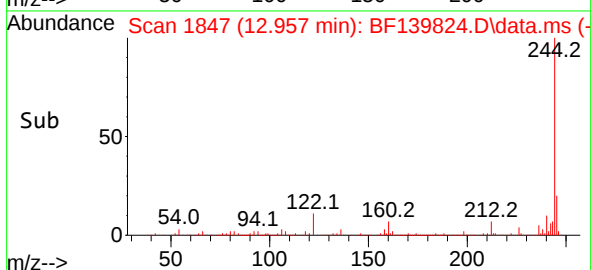
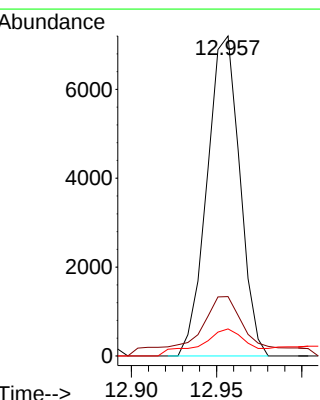
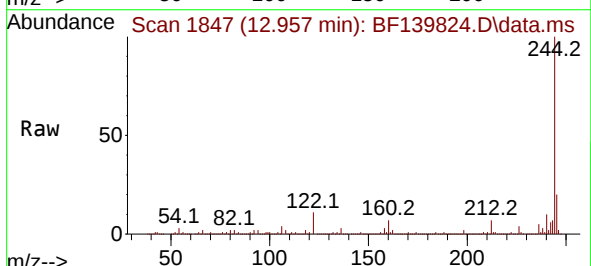
Tgt Ion:184 Resp: 9615

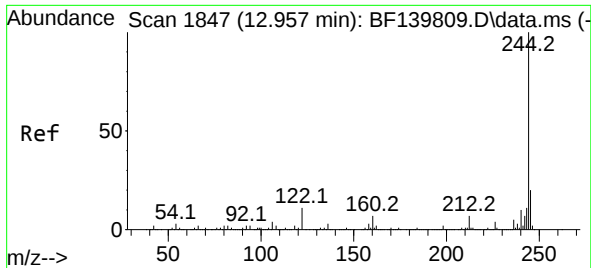
Ion Ratio Lower Upper

184 100

185 18.5 11.9 17.9#

183 8.5 8.4 12.6



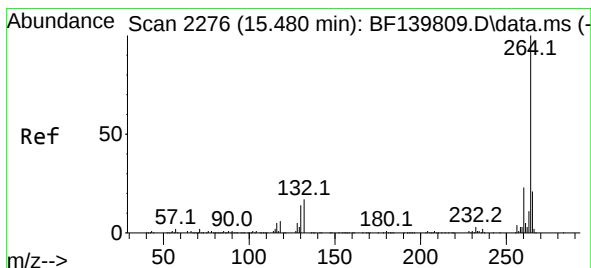
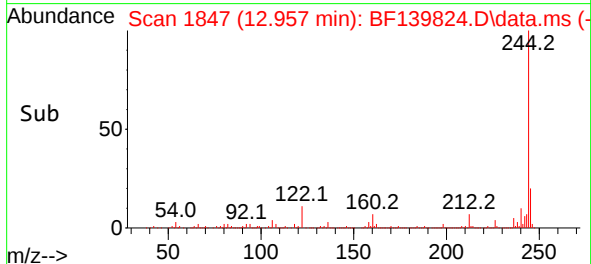
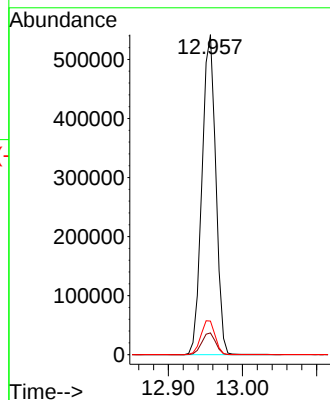
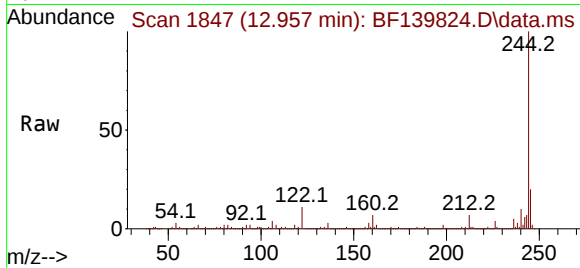


#79
 Terphenyl-d14
 Concen: 111.390 ng
 RT: 12.957 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF139824.D
 Acq: 16 Oct 2024 11:45

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-WATER-FRAC-TANK

Tgt Ion:244 Resp: 701480

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	10.5	8.9	13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2275
 Delta R.T. -0.006 min
 Lab File: BF139824.D
 Acq: 16 Oct 2024 11:45

Tgt Ion:264 Resp: 167034

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	20.9	17.2	25.8

