

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139901.D
 Acq On : 21 Oct 2024 14:18
 Operator : RC/JU
 Sample : P4396-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Oct 21 14:49:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

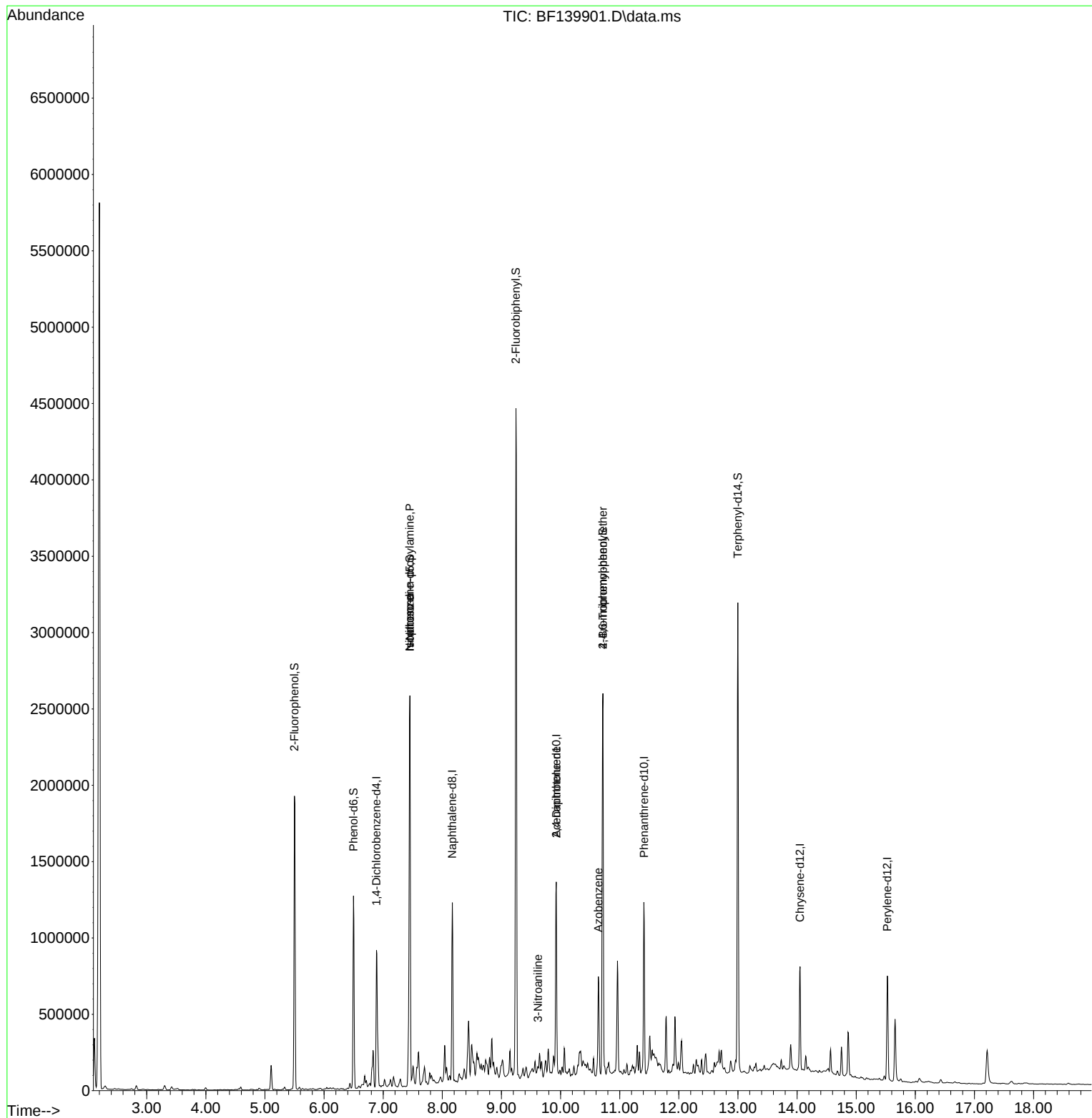
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	180088	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	699613	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	370461	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	581447	20.000	ng	0.00
76) Chrysene-d12	14.051	240	321399	20.000	ng	0.00
86) Perylene-d12	15.527	264	395365	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	709509	61.677	ng	0.00
7) Phenol-d6	6.498	99	565187	37.934	ng	-0.01
23) Nitrobenzene-d5	7.451	82	1222845	96.874	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	451355	130.255	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1948693	86.935	ng	0.00
79) Terphenyl-d14	12.998	244	1505753	76.341	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	166857	18.465	ng	# 77
25) Isophorone	7.451	82	1218288	50.850	ng	# 67
53) 3-Nitroaniline	9.616	138	29989	5.820	ng	# 1
57) 2,4-Dinitrotoluene	9.928	165	47590	7.746	ng	# 23
63) Azobenzene	10.639	77	121100	5.042	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	29169	4.870	ng	# 1

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

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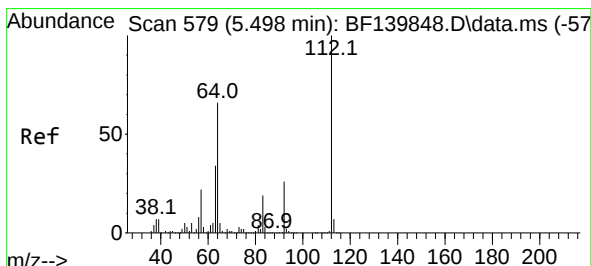
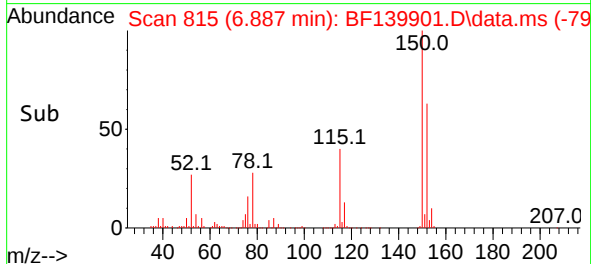
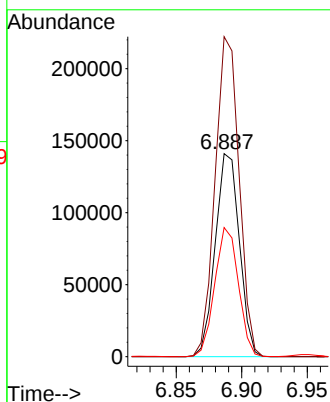
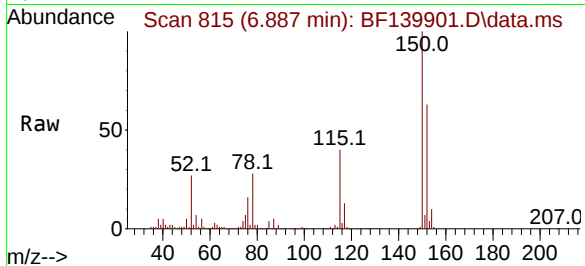




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

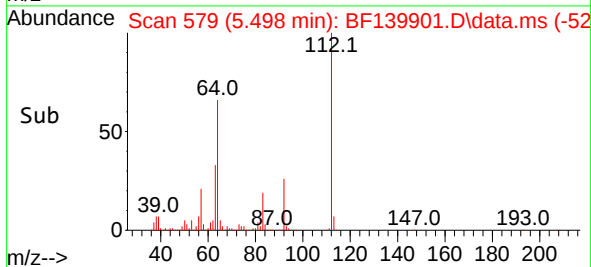
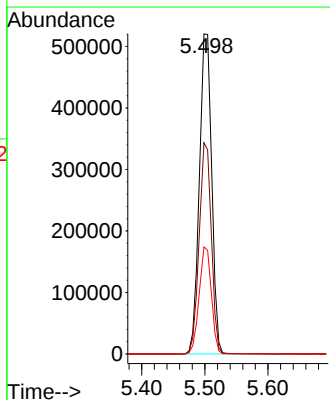
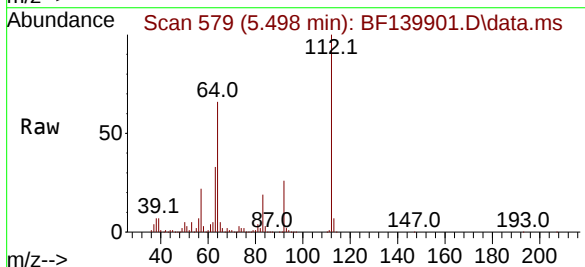
Instrument :
BNA_F
ClientSampleId :
WASTE-WATER-FRAC-TANKRE

Tgt Ion:152 Resp: 180088
Ion Ratio Lower Upper
152 100
150 157.6 130.2 195.2
115 63.6 51.4 77.2



#5
2-Fluorophenol
Concen: 61.677 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

Tgt Ion:112 Resp: 709509
Ion Ratio Lower Upper
112 100
64 66.0 53.0 79.6
63 33.5 27.0 40.4

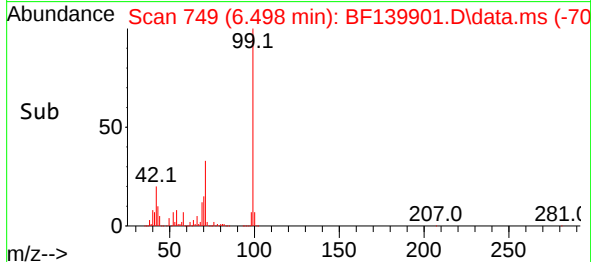
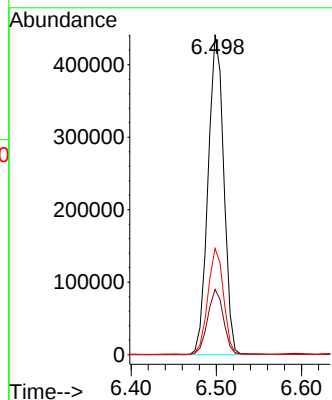
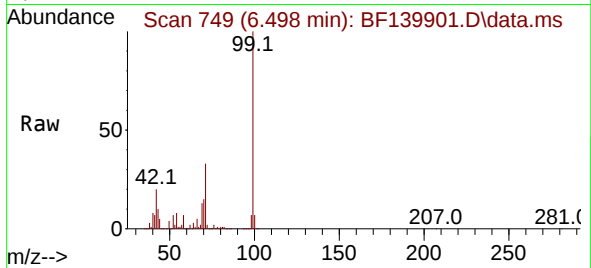




#7
Phenol-d6
Concen: 37.934 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

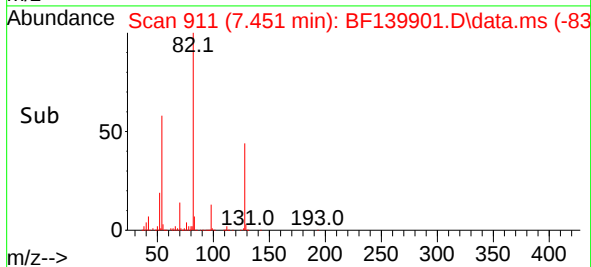
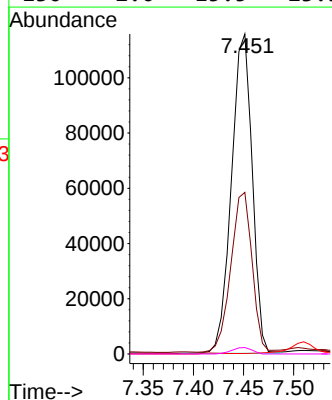
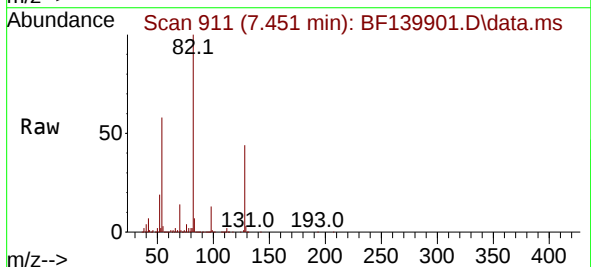
Instrument :
BNA_F
ClientSampleId :
WASTE-WATER-FRAC-TANKRE

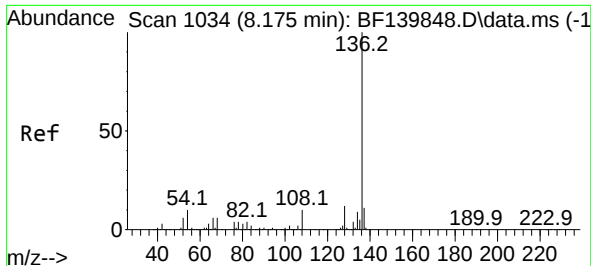
Tgt Ion: 99 Resp: 565187
Ion Ratio Lower Upper
99 100
42 20.4 16.7 25.1
71 33.2 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 18.465 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.147 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

Tgt Ion: 70 Resp: 166857
Ion Ratio Lower Upper
70 100
42 50.5 51.5 77.3#
101 0.2 7.5 11.3#
130 2.0 15.5 23.3#



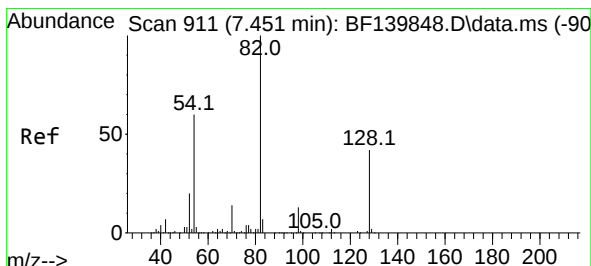
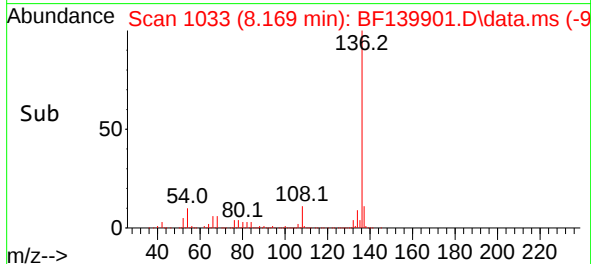
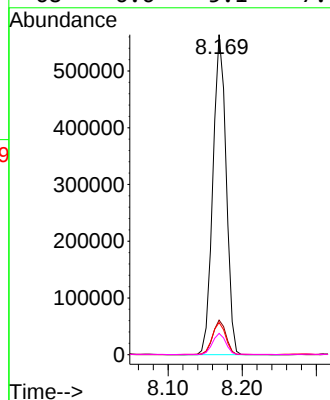
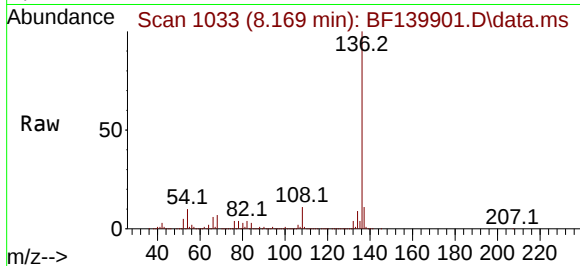


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

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

Tgt Ion:136 Resp: 699613

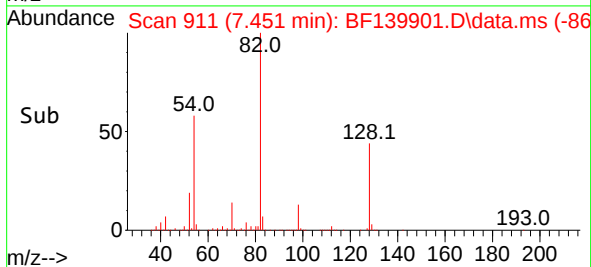
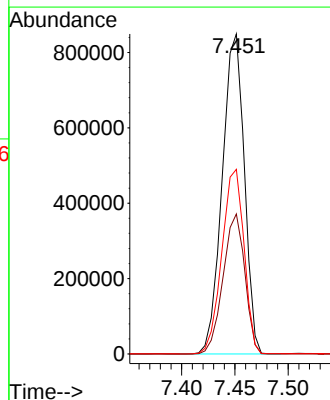
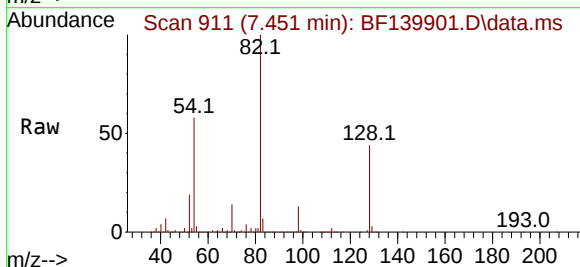
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.1	8.4	12.6
68	6.6	5.1	7.7

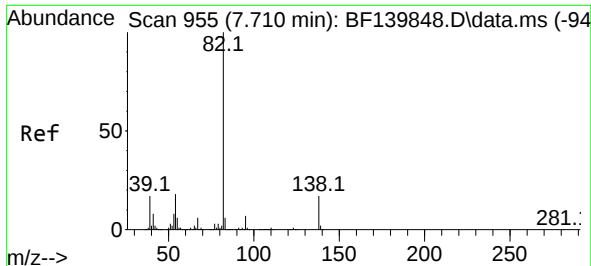


#23
Nitrobenzene-d5
Concen: 96.874 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

Tgt Ion: 82 Resp: 1222845

Ion	Ratio	Lower	Upper
82	100		
128	43.8	33.4	50.0
54	57.7	47.8	71.8

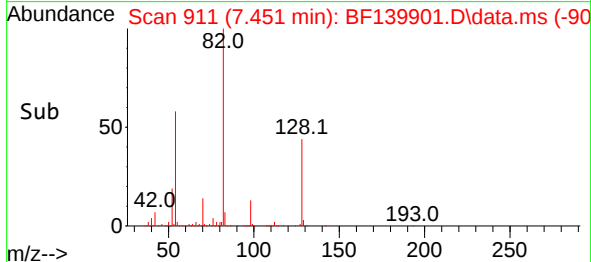
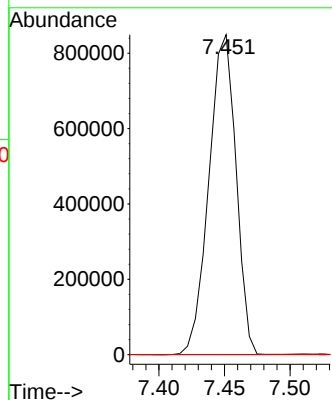
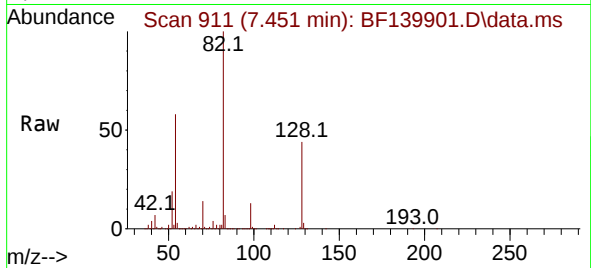




#25
Isophorone
Concen: 50.850 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.259 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

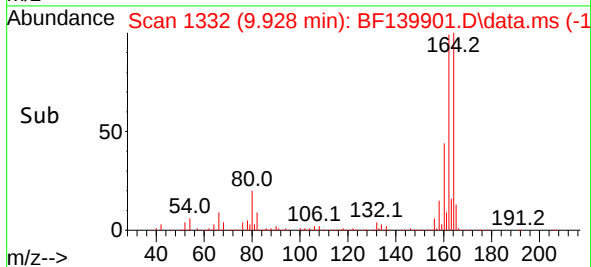
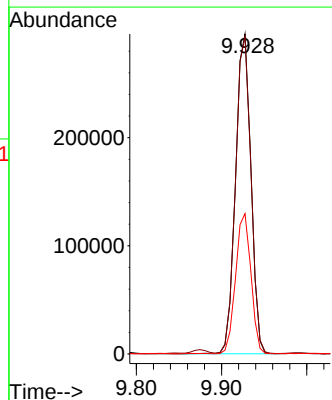
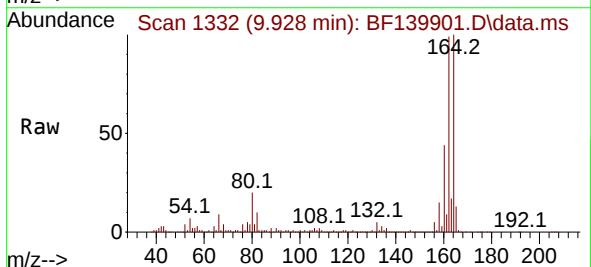
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BNA_F
ClientSampleId :
WASTE-WATER-FRAC-TANKRE

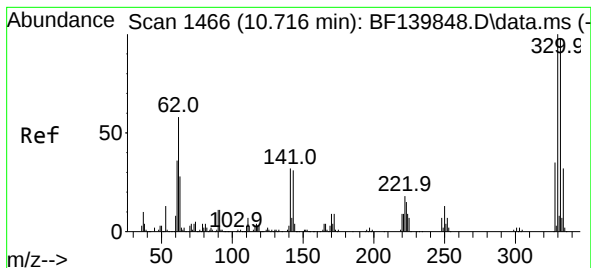
Tgt Ion: 82 Resp: 1218288
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

Tgt Ion:164 Resp: 370461
Ion Ratio Lower Upper
164 100
162 99.1 81.0 121.4
160 43.9 35.4 53.0

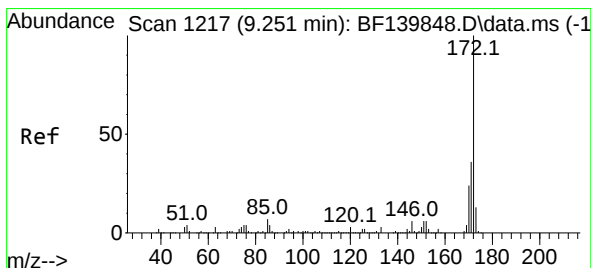
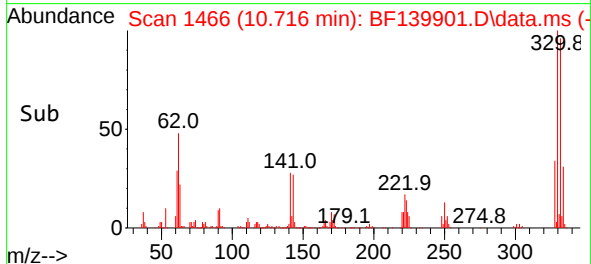
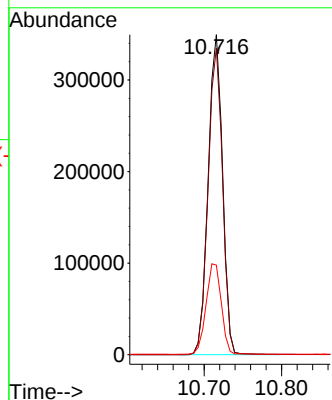
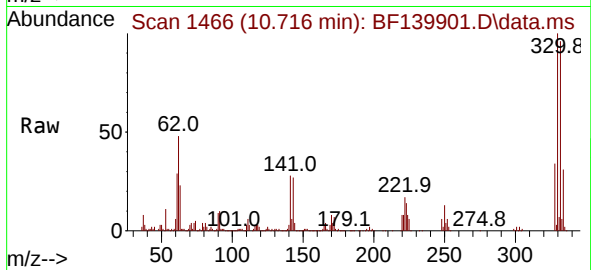




#42
2,4,6-Tribromophenol
Concen: 130.255 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

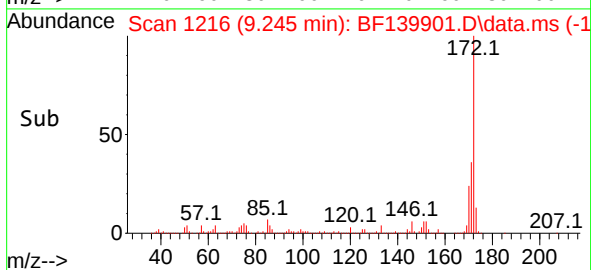
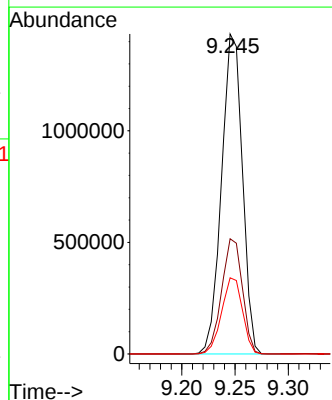
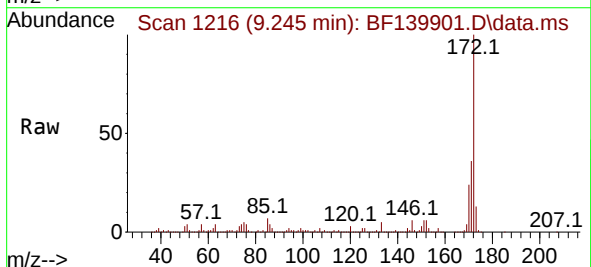
Instrument :
BNA_F
ClientSampleId :
WASTE-WATER-FRAC-TANKRE

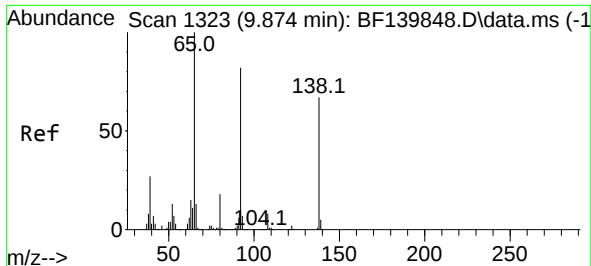
Tgt Ion:330 Resp: 451355
Ion Ratio Lower Upper
330 100
332 96.2 78.1 117.1
141 29.9 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 86.935 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

Tgt Ion:172 Resp: 1948693
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.8 19.1 28.7

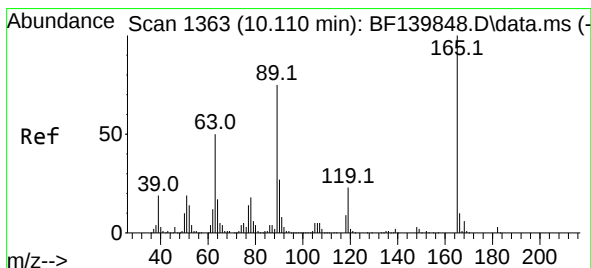
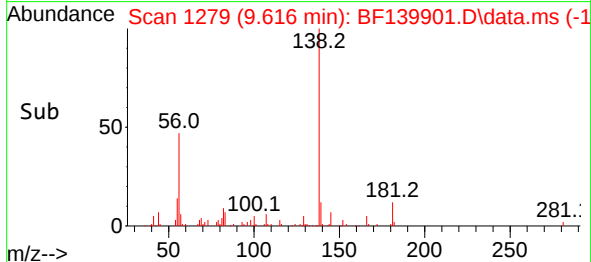
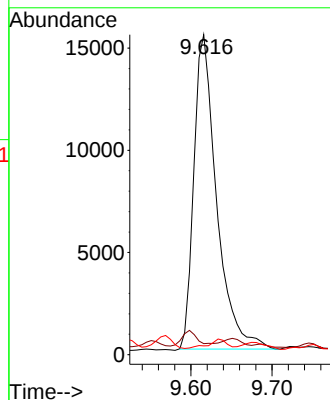
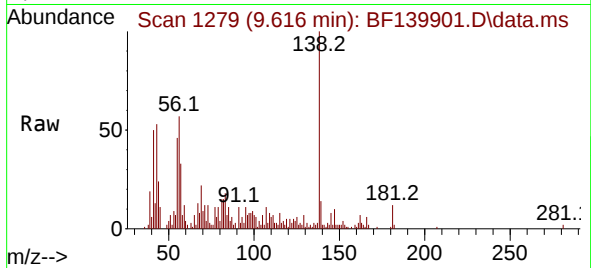




#53
3-Nitroaniline
Concen: 5.820 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.259 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

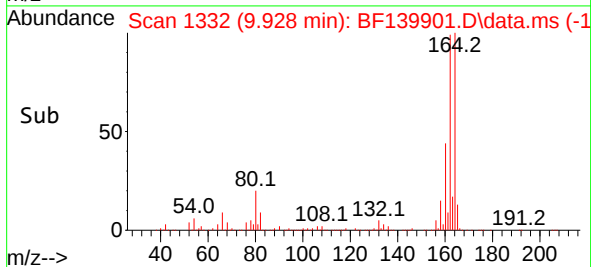
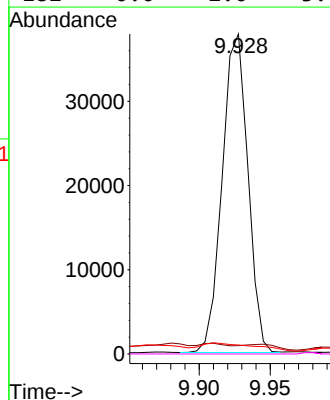
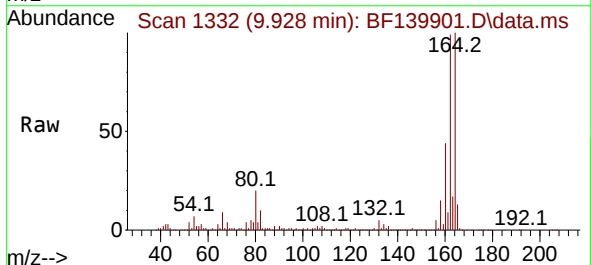
Instrument :
BNA_F
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WASTE-WATER-FRAC-TANKRE

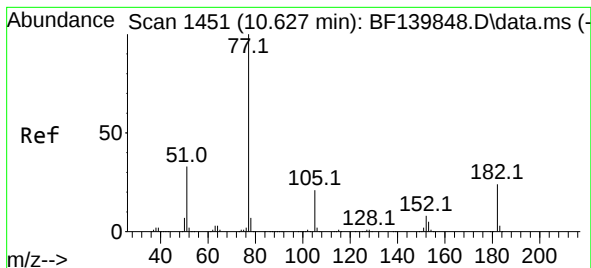
Tgt Ion:138 Resp: 29989
Ion Ratio Lower Upper
138 100
108 3.5 10.2 15.2#
92 2.7 98.3 147.5#



#57
2,4-Dinitrotoluene
Concen: 7.746 ng
RT: 9.928 min Scan# 1332
Delta R.T. -0.182 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

Tgt Ion:165 Resp: 47590
Ion Ratio Lower Upper
165 100
63 2.6 40.1 60.1#
89 2.8 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 5.042 ng

RT: 10.639 min Scan# 1451

Delta R.T. 0.012 min

Lab File: BF139901.D

Acq: 21 Oct 2024 14:18

Instrument :

BNA_F

ClientSampleId :

WASTE-WATER-FRAC-TANKRE

Tgt Ion: 77 Resp: 121100

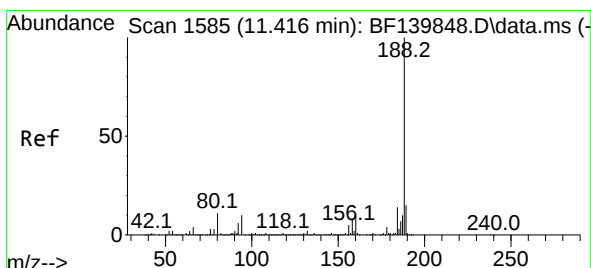
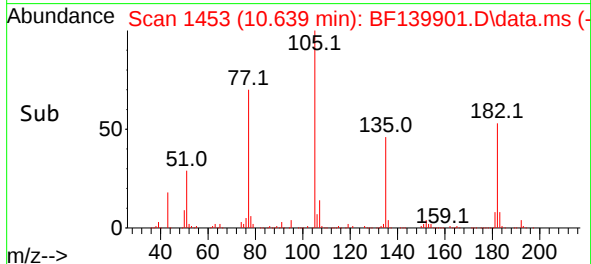
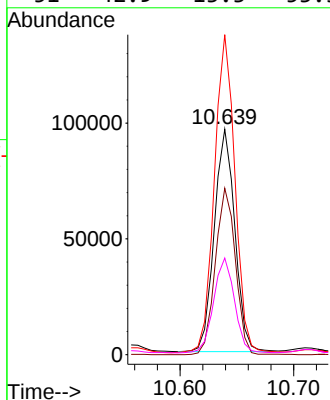
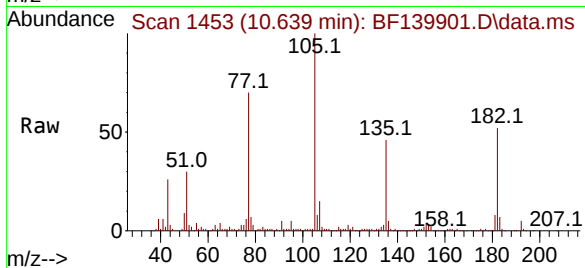
Ion Ratio Lower Upper

77 100

182 73.8 3.3 43.3#

105 141.9 1.2 41.2#

51 42.9 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139901.D

Acq: 21 Oct 2024 14:18

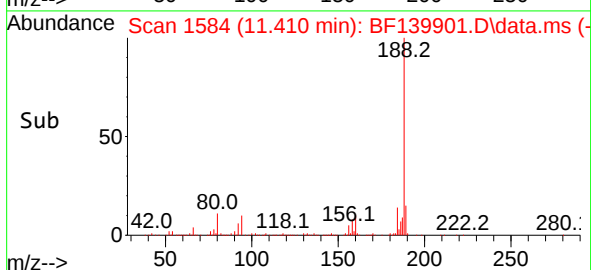
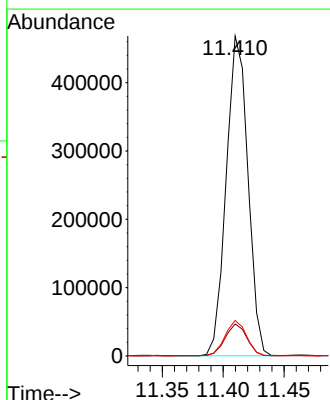
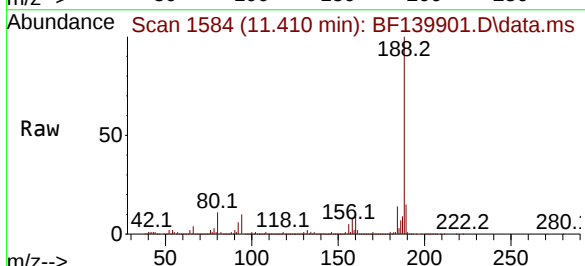
Tgt Ion:188 Resp: 581447

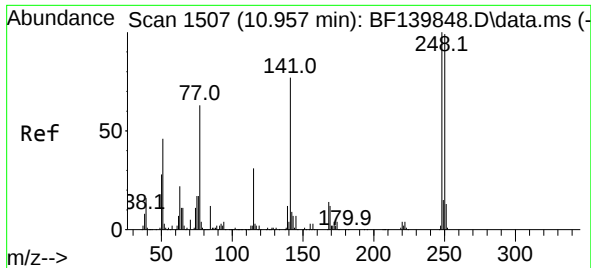
Ion Ratio Lower Upper

188 100

94 10.0 7.9 11.9

80 11.1 9.0 13.4

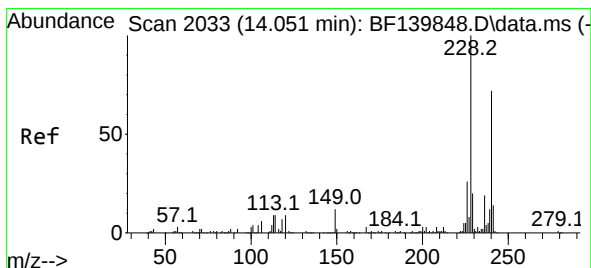
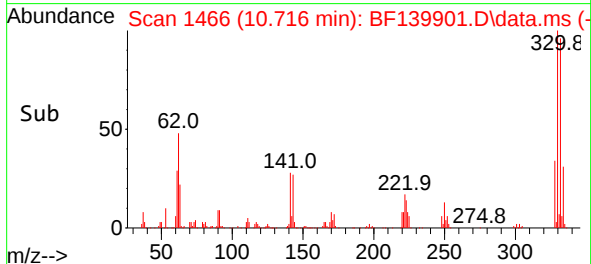
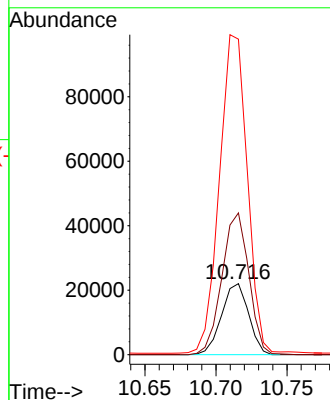
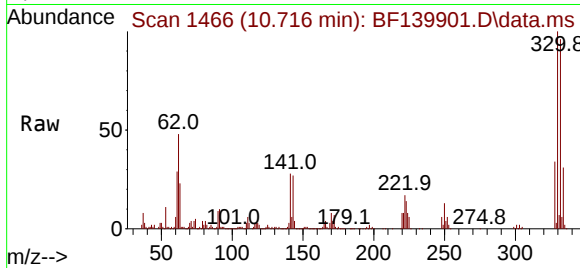




#67
4-Bromophenyl-phenylether
Concen: 4.870 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.241 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

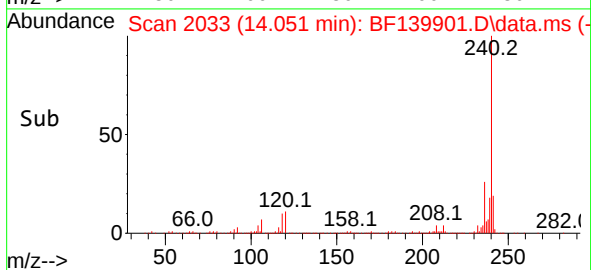
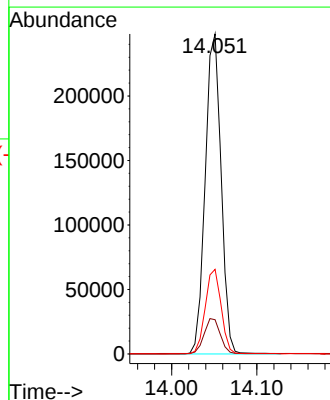
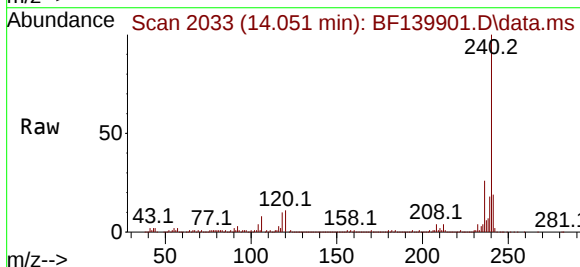
Instrument :
BNA_F
ClientSampleId :
WASTE-WATER-FRAC-TANKRE

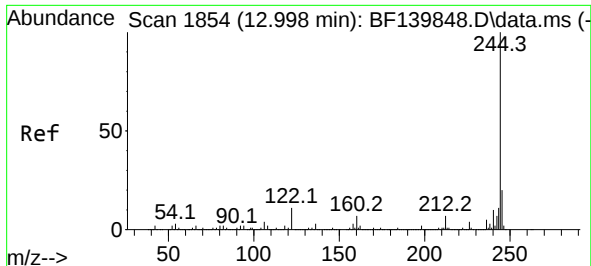
Tgt Ion:248 Resp: 29169
Ion Ratio Lower Upper
248 100
250 199.5 79.0 118.6#
141 443.7 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139901.D
Acq: 21 Oct 2024 14:18

Tgt Ion:240 Resp: 321399
Ion Ratio Lower Upper
240 100
120 10.7 9.4 14.2
236 26.5 20.9 31.3

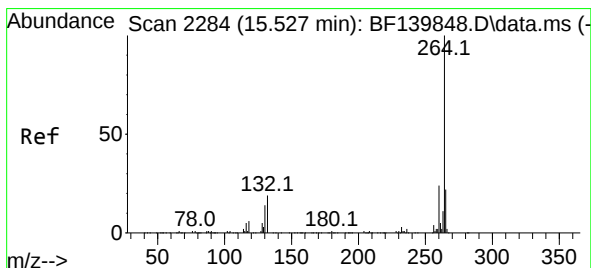
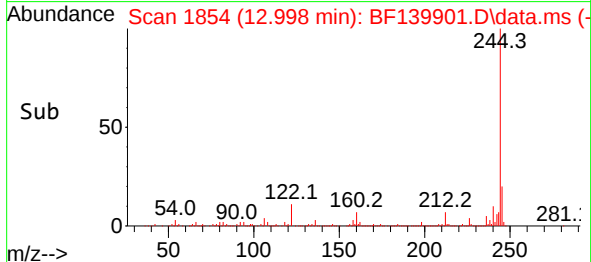
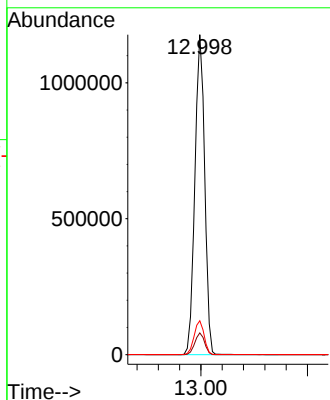
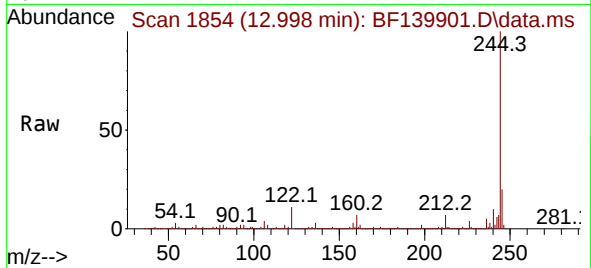




#79
 Terphenyl-d14
 Concen: 76.341 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF139901.D
 Acq: 21 Oct 2024 14:18

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

Tgt Ion:244 Resp: 1505753
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 10.6 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2284
 Delta R.T. 0.000 min
 Lab File: BF139901.D
 Acq: 21 Oct 2024 14:18

Tgt Ion:264 Resp: 395365
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 21.9 17.4 26.0

