

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133416.D
 Acq On : 17 May 2023 16:42
 Operator : CG\JU
 Sample : 02798-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WATERWITCH-AVE-SAMPLE

Quant Time: May 18 04:03:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

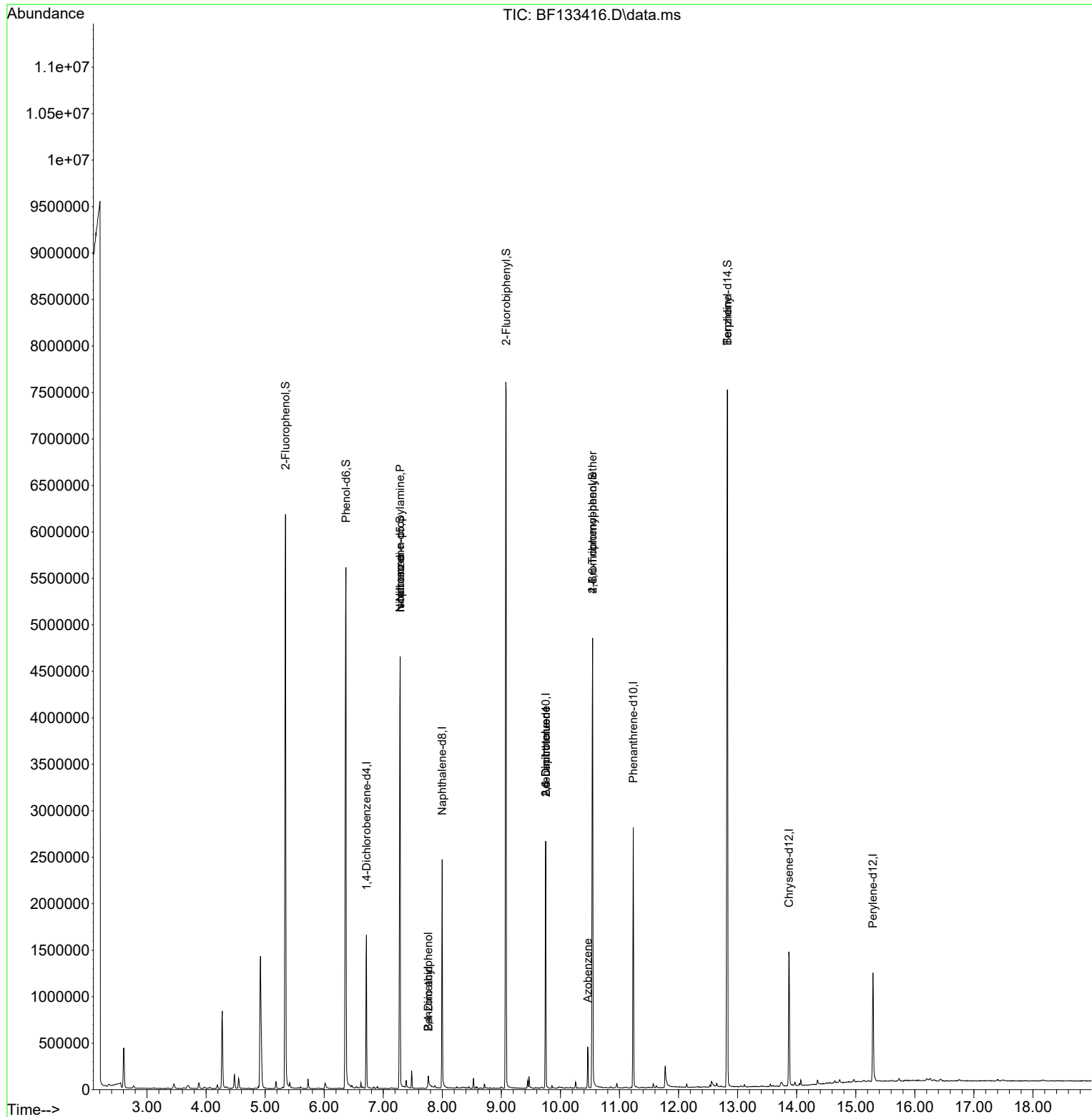
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	240741	20.000	ng	0.00
21) Naphthalene-d8	7.998	136	973810	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	506500	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	948830	20.000	ng	-0.01
76) Chrysene-d12	13.868	240	506067	20.000	ng	-0.02
86) Perylene-d12	15.292	264	513648	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1997437	125.336	ng	0.01
7) Phenol-d6	6.369	99	2267833	114.649	ng	0.00
23) Nitrobenzene-d5	7.287	82	1577721	87.451	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	712451	139.866	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	2628024	86.805	ng	0.00
79) Terphenyl-d14	12.827	244	3146890	107.245	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.269	77	1400	Below Cal	#	81
19) n-Nitroso-di-n-propyla...	7.287	70	207655	16.863	ng	# 74
25) Isophorone	7.287	82	1576426	46.021	ng	# 63
27) 2,4-Dimethylphenol	7.763	122	55400	3.664	ng	# 5
32) Benzoic acid	7.763	122	55400	5.932	ng	# 98
51) 2,6-Dinitrotoluene	9.751	165	65124	8.193	ng	# 25
57) 2,4-Dinitrotoluene	9.751	165	65124	6.424	ng	# 24
63) Azobenzene	10.463	77	71853	2.033	ng	# 1
67) 4-Bromophenyl-phenylether	10.545	248	44314	4.306	ng	# 1
77) Benzidine	12.827	184	37738	4.410	ng	# 89

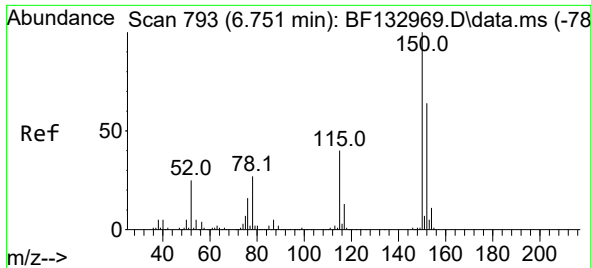
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 18 04:03:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 16 14:39:29 2023
Response via : Initial Calibration

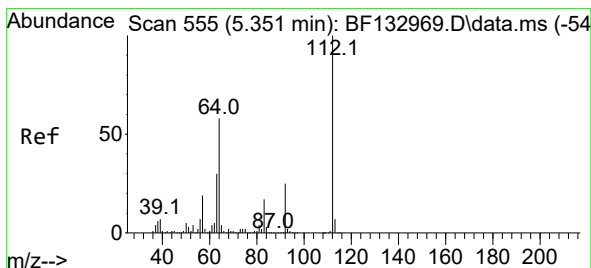
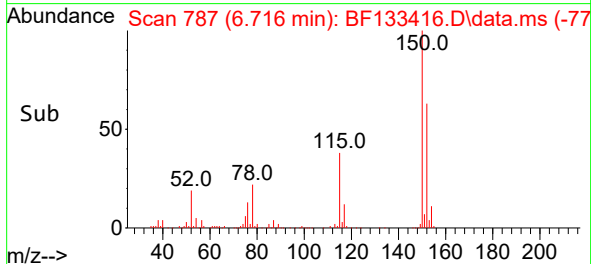
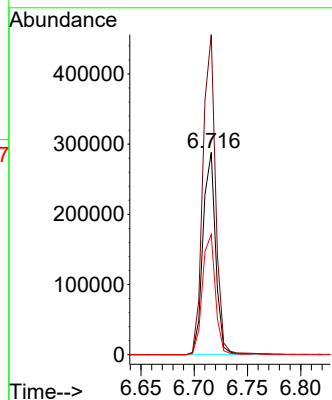
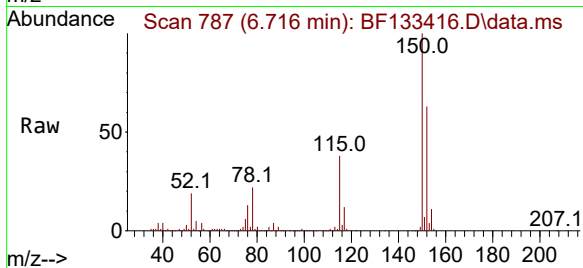




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

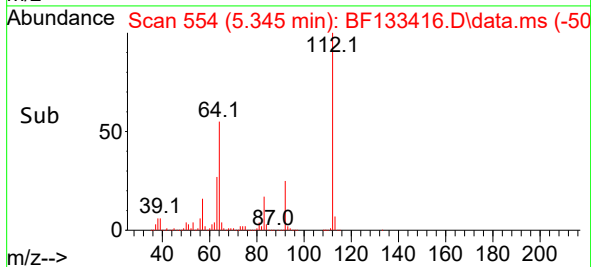
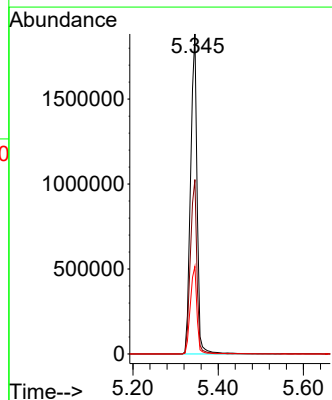
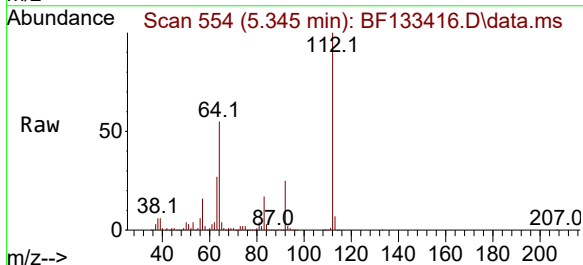
Instrument :
BNA_F
ClientSampleId :
WATERWITCH-AVE-SAMPLE

Tgt Ion:152 Resp: 240741
Ion Ratio Lower Upper
152 100
150 158.2 124.8 187.2
115 59.4 49.9 74.9



#5
2-Fluorophenol
Concen: 125.336 ng
RT: 5.345 min Scan# 554
Delta R.T. 0.012 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

Tgt Ion:112 Resp: 1997437
Ion Ratio Lower Upper
112 100
64 54.5 46.8 70.2
63 27.3 23.8 35.8

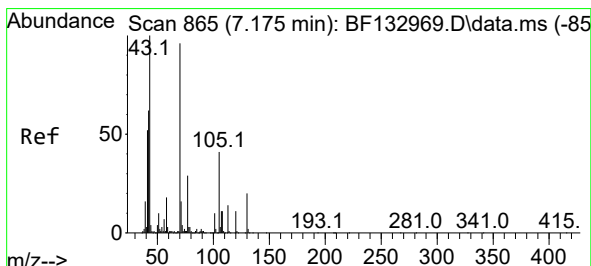
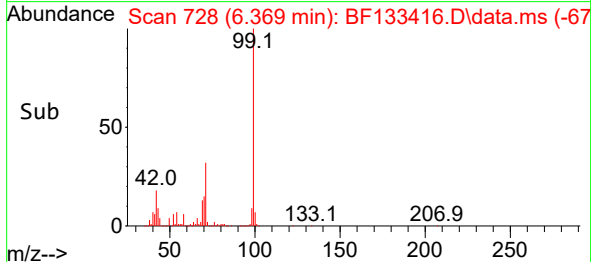
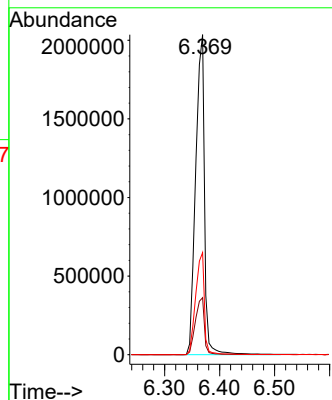
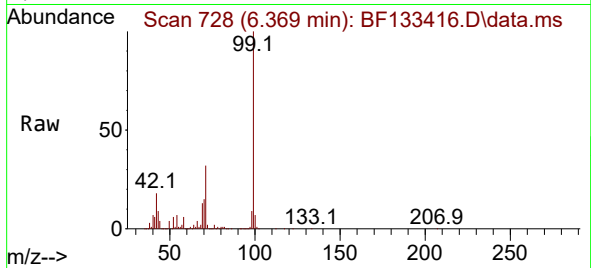




#7
Phenol-d6
Concen: 114.649 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

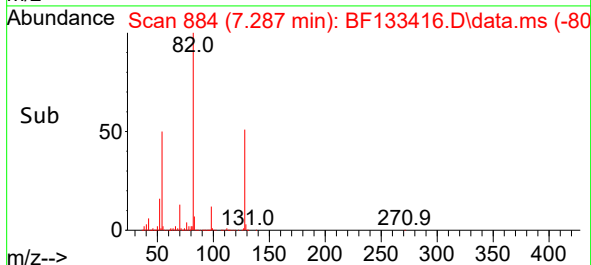
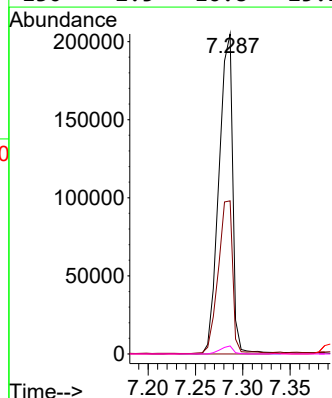
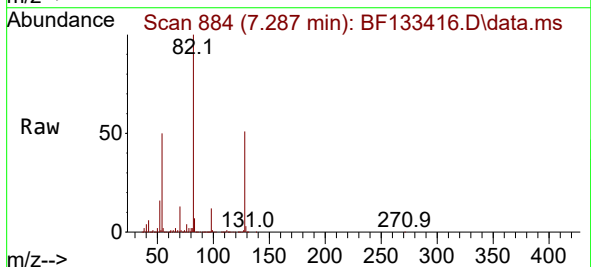
Instrument :
BNA_F
ClientSampleId :
WATERWITCH-AVE-SAMPLE

Tgt Ion: 99 Resp: 2267833
Ion Ratio Lower Upper
99 100
42 17.8 16.3 24.5
71 31.9 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.863 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

Tgt Ion: 70 Resp: 207655
Ion Ratio Lower Upper
70 100
42 47.9 51.8 77.6#
101 0.0 8.0 12.0#
130 2.5 16.8 25.2#

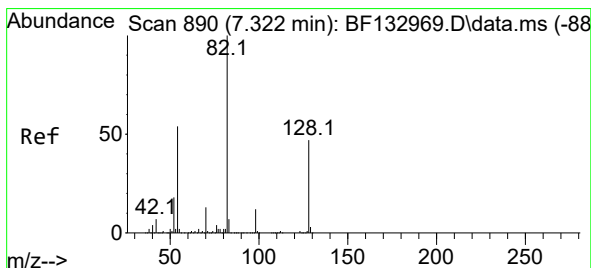
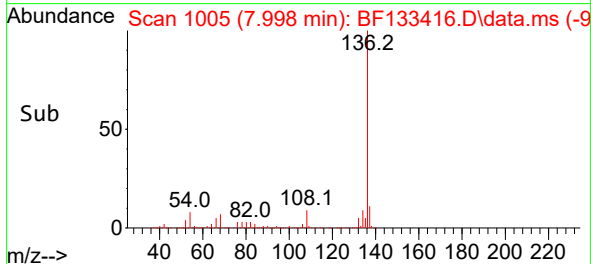
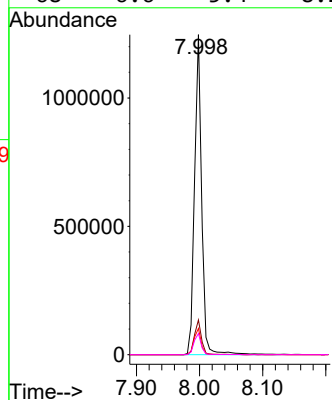
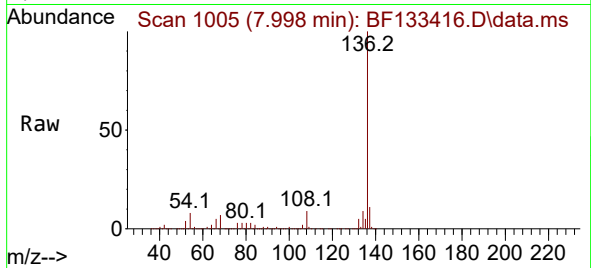




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

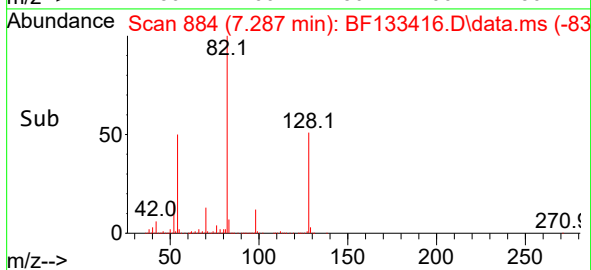
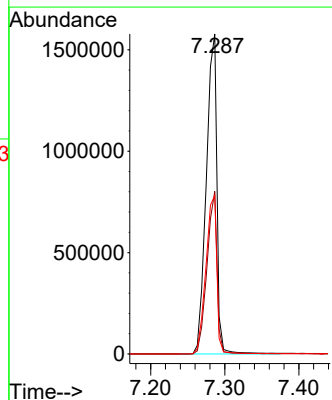
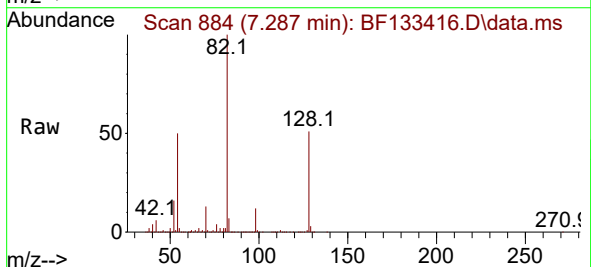
Instrument :
BNA_F
ClientSampleId :
WATERWITCH-AVE-SAMPLE

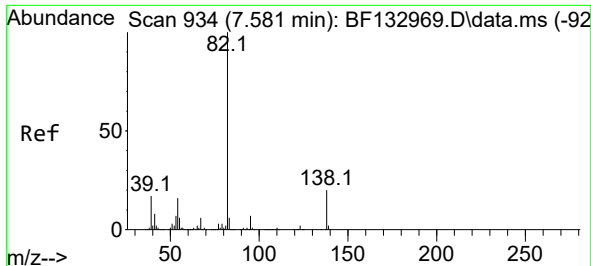
Tgt Ion:136 Resp: 973810
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.2 7.0 10.4
68 6.6 5.4 8.2



#23
Nitrobenzene-d5
Concen: 87.451 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

Tgt Ion: 82 Resp: 1577721
Ion Ratio Lower Upper
82 100
128 50.8 37.7 56.5
54 49.5 43.0 64.4

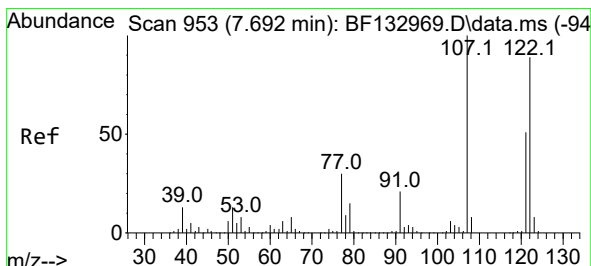
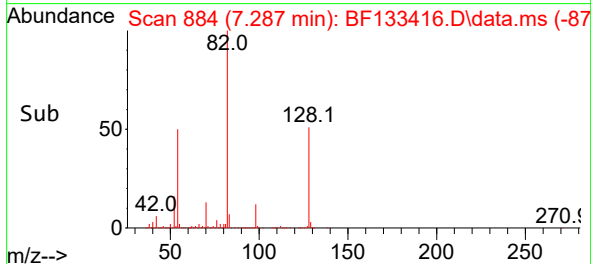
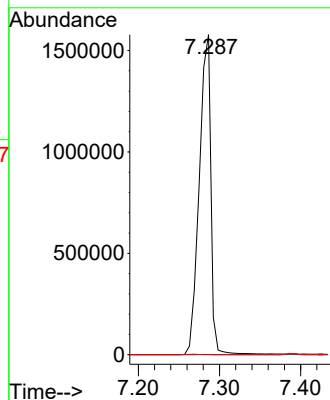
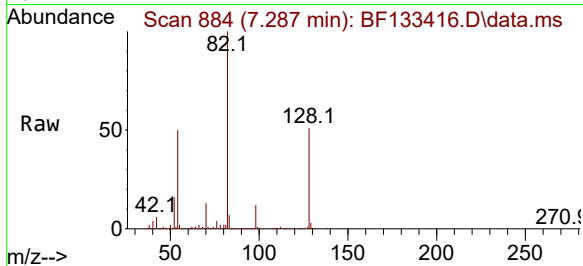




#25
Isophorone
Concen: 46.021 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

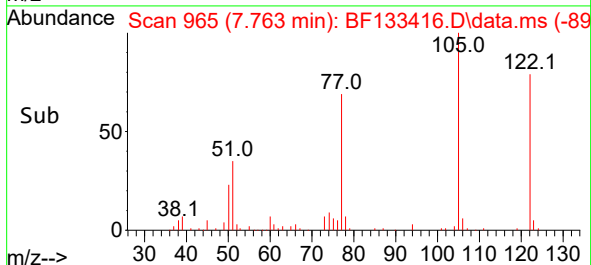
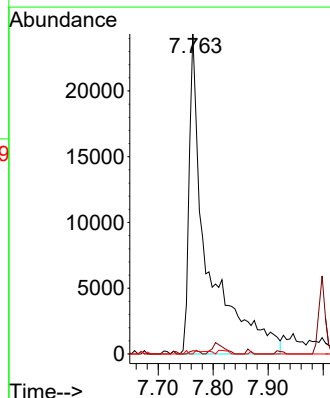
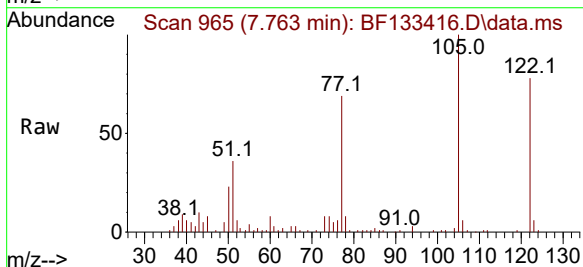
Instrument :
BNA_F
ClientSampleId :
WATERWITCH-AVE-SAMPLE

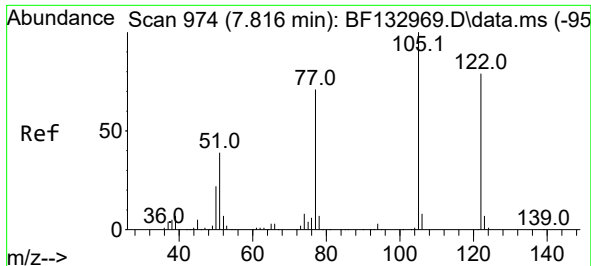
Tgt Ion: 82 Resp: 1576426
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#27
2,4-Dimethylphenol
Concen: 3.664 ng
RT: 7.763 min Scan# 965
Delta R.T. 0.094 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

Tgt Ion:122 Resp: 55400
Ion Ratio Lower Upper
122 100
107 1.0 89.7 134.5#
121 0.0 46.0 69.0#

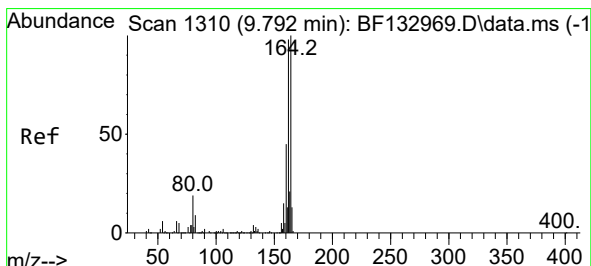
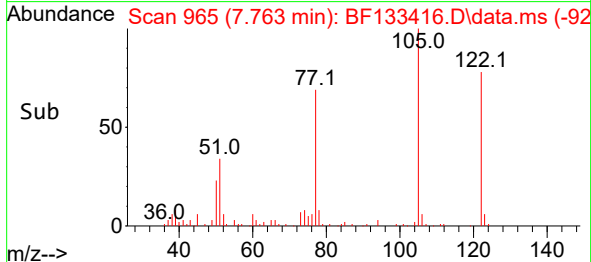
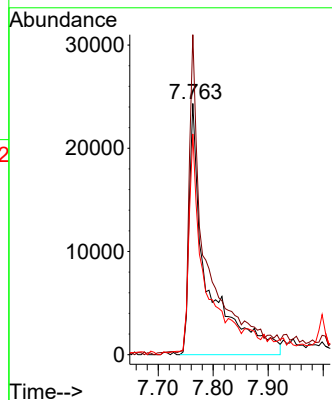
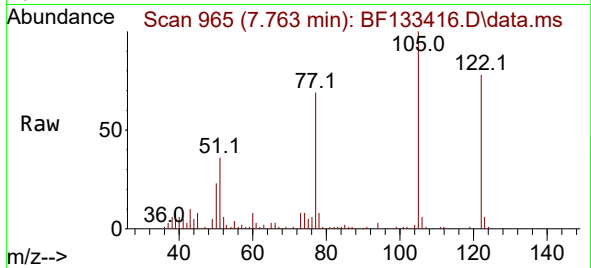




#32
Benzoic acid
Concen: 5.932 ng
RT: 7.763 min Scan# 91
Delta R.T. -0.041 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

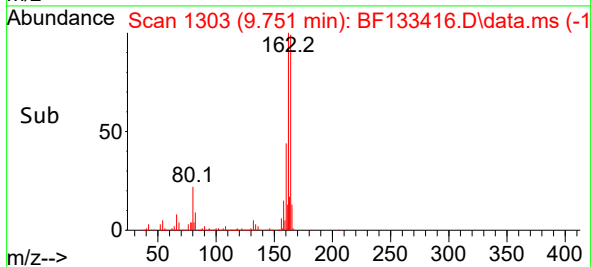
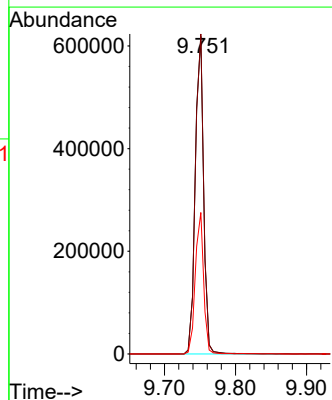
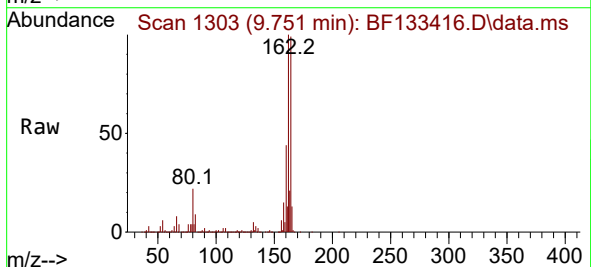
Instrument :
BNA_F
ClientSampleId :
WATERWITCH-AVE-SAMPLE

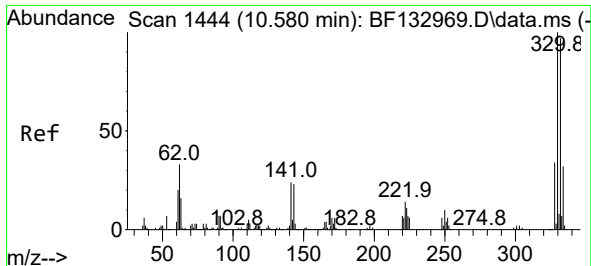
Tgt Ion:122 Resp: 55400
Ion Ratio Lower Upper
122 100
105 127.4 104.2 144.2
77 87.9 69.7 109.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

Tgt Ion:164 Resp: 506500
Ion Ratio Lower Upper
164 100
162 100.7 78.7 118.1
160 44.5 35.8 53.6

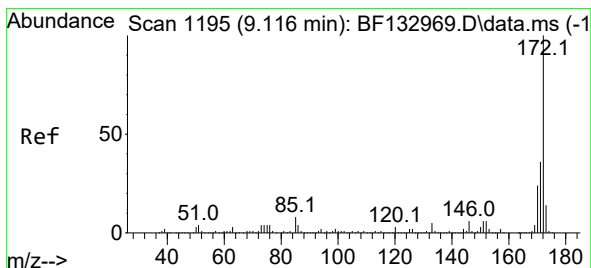
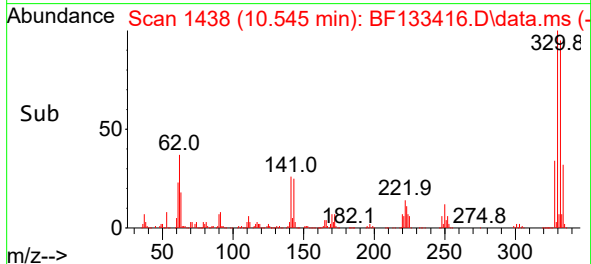
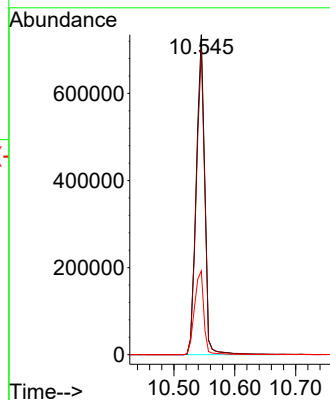
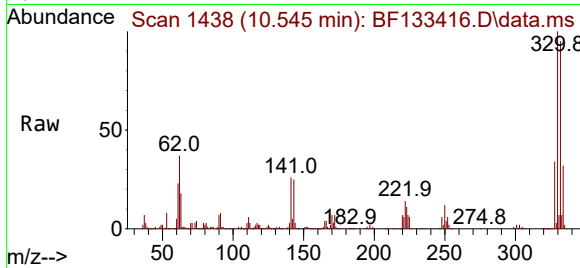




#42
2,4,6-Tribromophenol
Concen: 139.866 ng
RT: 10.545 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

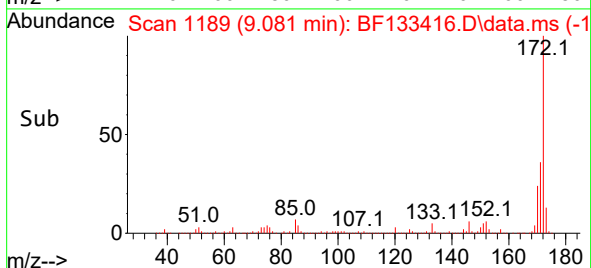
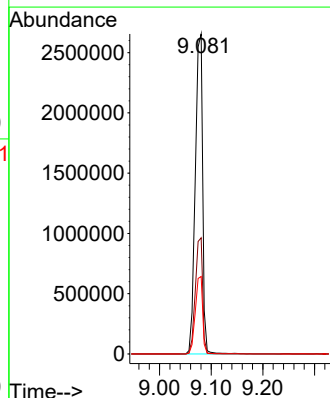
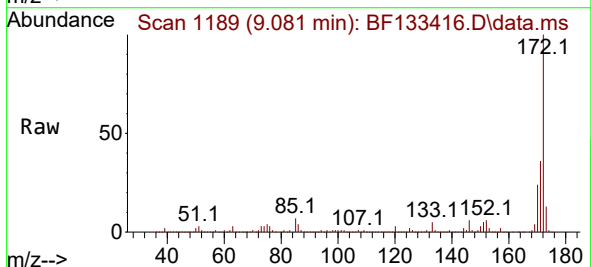
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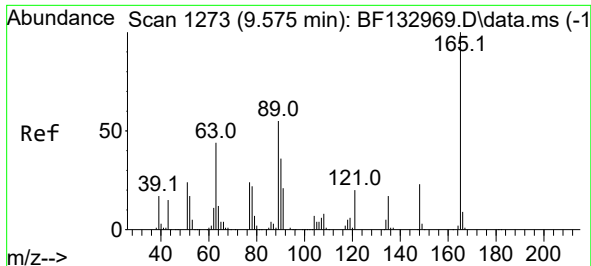
Tgt Ion: 330 Resp: 712451
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 29.0 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 86.805 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

Tgt Ion: 172 Resp: 2628024
Ion Ratio Lower Upper
172 100
171 36.3 28.8 43.2
170 24.2 19.4 29.2

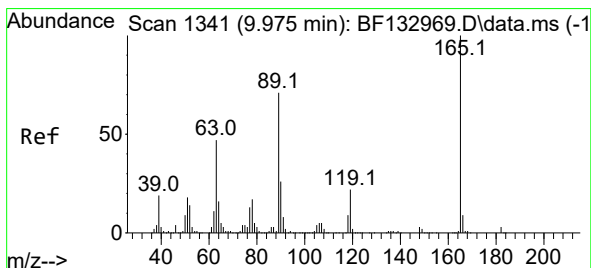
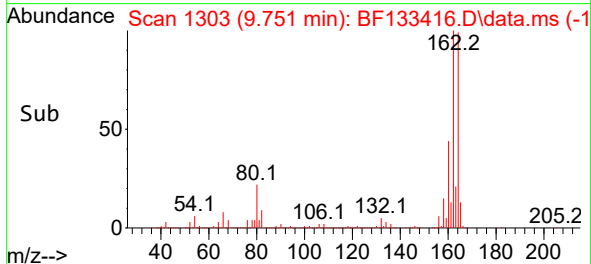
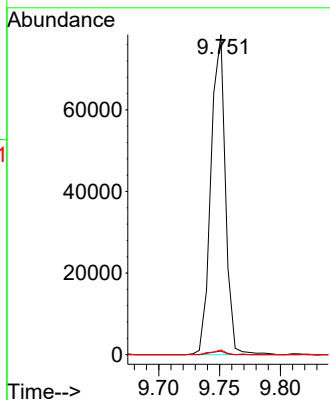
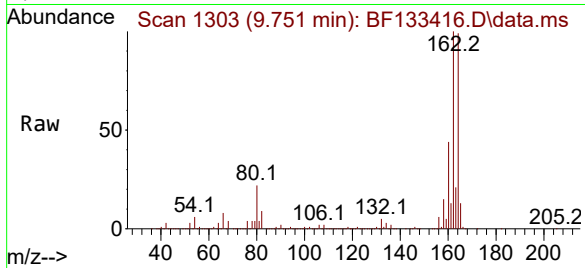




#51
2,6-Dinitrotoluene
Concen: 8.193 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

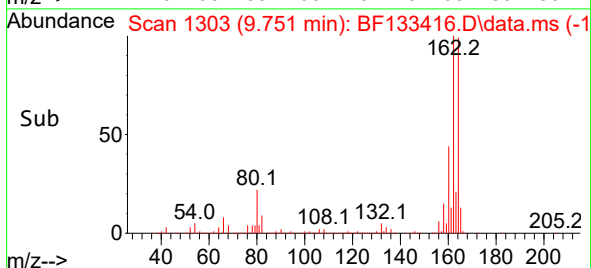
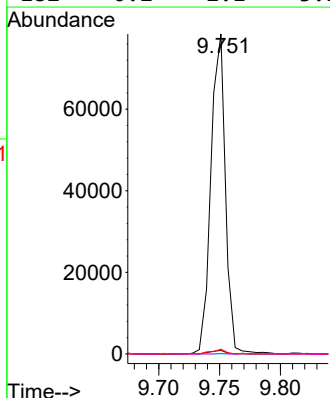
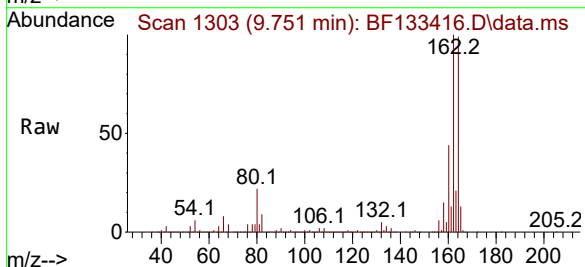
Instrument :
BNA_F
ClientSampleId :
WATERWITCH-AVE-SAMPLE

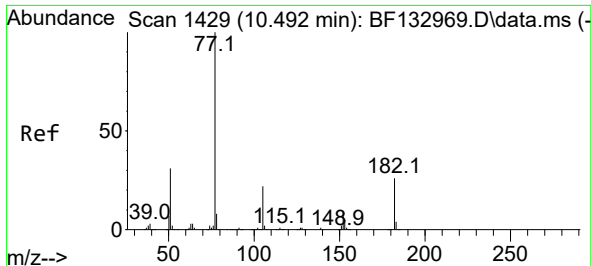
Tgt Ion:165 Resp: 65124
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.5 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.424 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.206 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

Tgt Ion:165 Resp: 65124
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 1.5 57.0 85.4#
182 0.2 2.1 3.1#

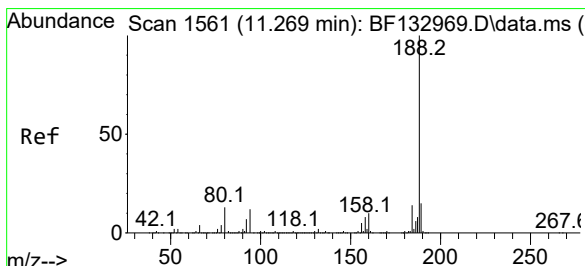
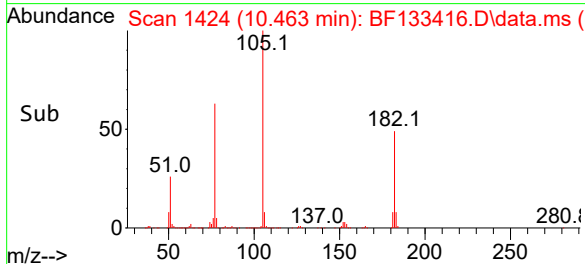
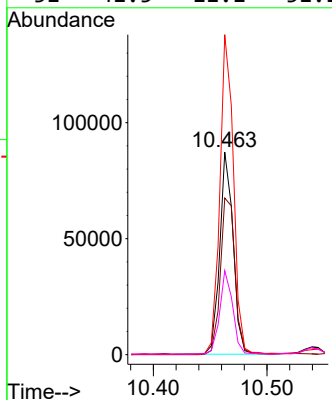
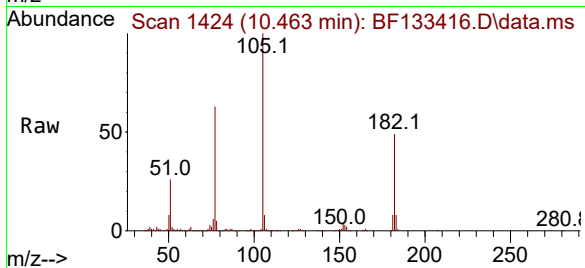




#63
 Azobenzene
 Concen: 2.033 ng
 RT: 10.463 min Scan# 1429
 Delta R.T. -0.000 min
 Lab File: BF133416.D
 Acq: 17 May 2023 16:42

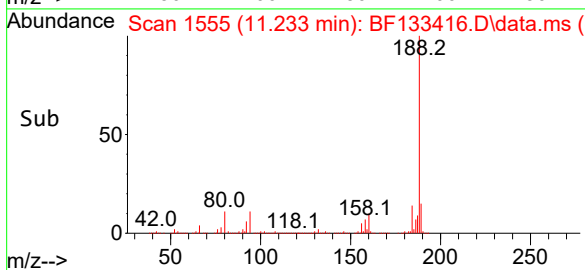
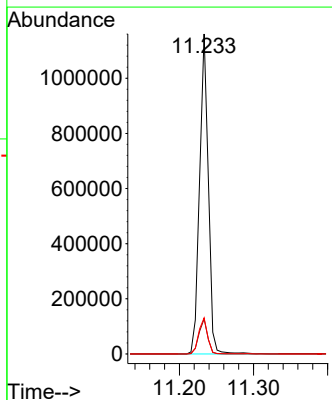
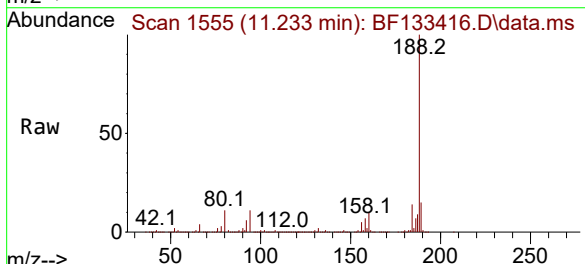
Instrument :
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 ClientSampleId :
 WATERWITCH-AVE-SAMPLE

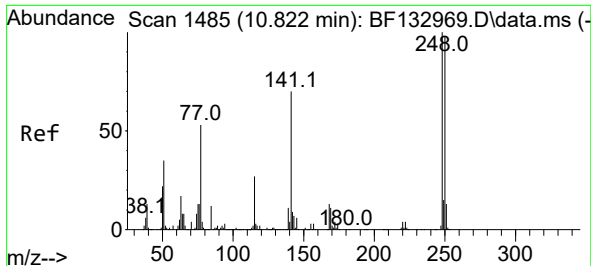
Tgt Ion: 77 Resp: 71853
 Ion Ratio Lower Upper
 77 100
 182 77.3 5.9 45.9#
 105 158.0 2.3 42.3#
 51 41.5 11.1 51.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.233 min Scan# 1555
 Delta R.T. -0.012 min
 Lab File: BF133416.D
 Acq: 17 May 2023 16:42

Tgt Ion: 188 Resp: 948830
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.7 14.5
 80 11.3 10.4 15.6

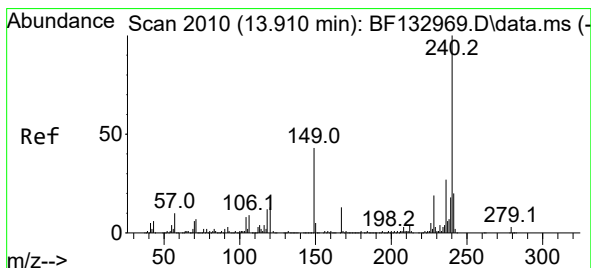
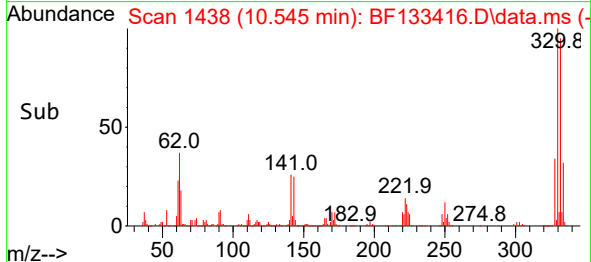
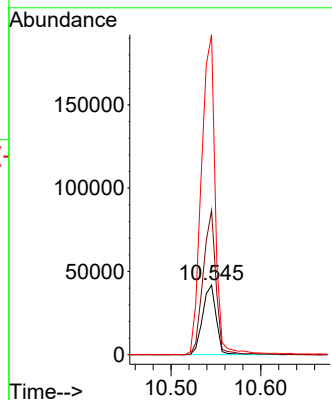
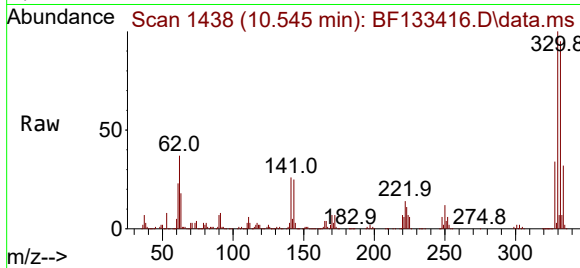




#67
4-Bromophenyl-phenylether
Concen: 4.306 ng
RT: 10.545 min Scan# 1485
Delta R.T. -0.247 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

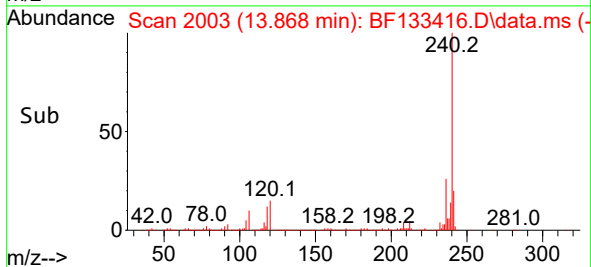
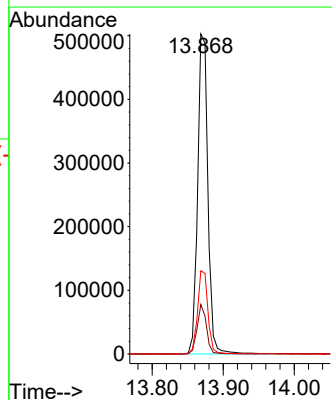
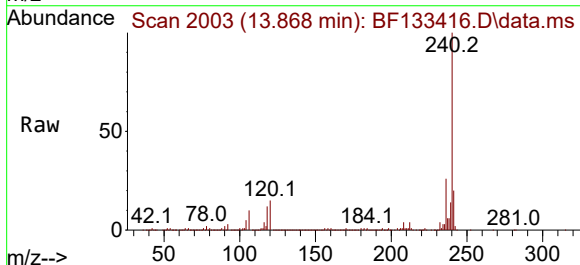
Instrument :
BNA_F
ClientSampleId :
WATERWITCH-AVE-SAMPLE

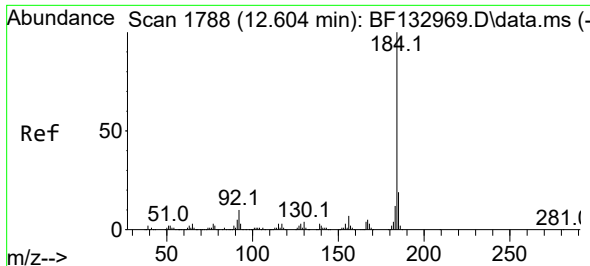
Tgt Ion:248 Resp: 44314
Ion Ratio Lower Upper
248 100
250 207.4 78.7 118.1#
141 459.8 56.3 84.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.018 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

Tgt Ion:240 Resp: 506067
Ion Ratio Lower Upper
240 100
120 15.5 10.5 15.7
236 26.0 21.5 32.3

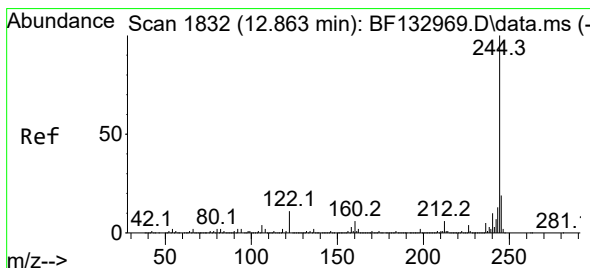
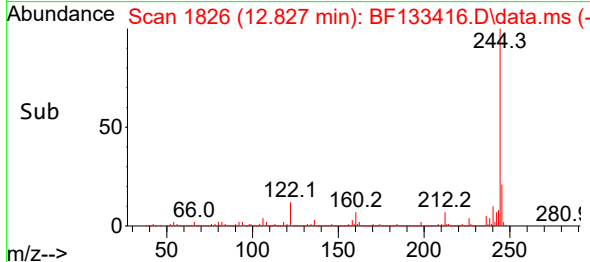
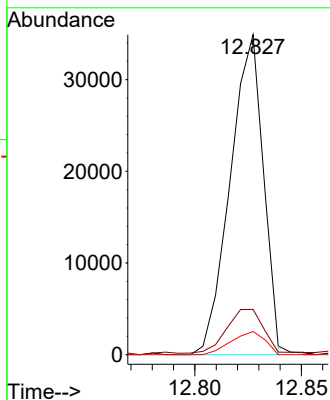
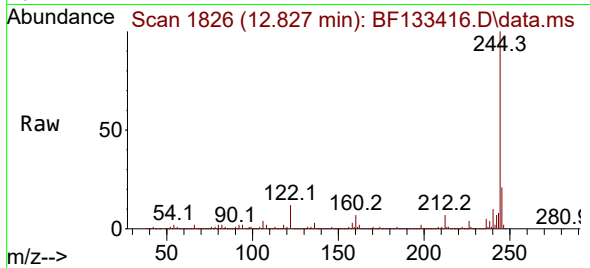




#77
Benzidine
Concen: 4.410 ng
RT: 12.827 min Scan# 1826
Delta R.T. 0.247 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

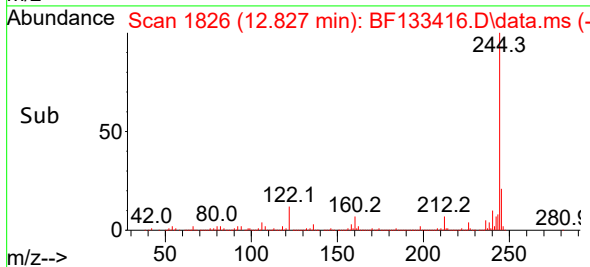
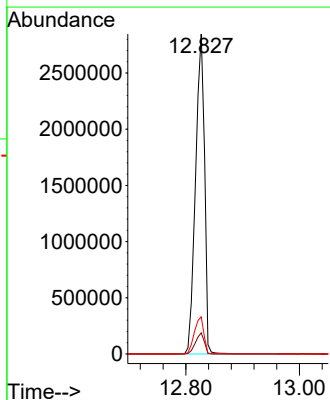
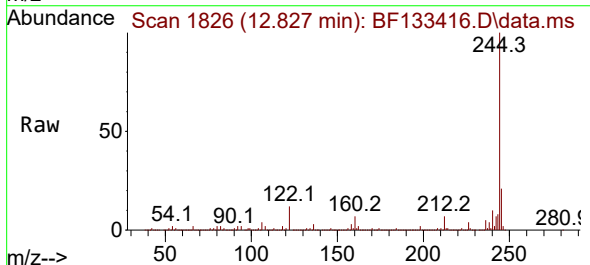
Instrument :
BNA_F
ClientSampleId :
WATERWITCH-AVE-SAMPLE

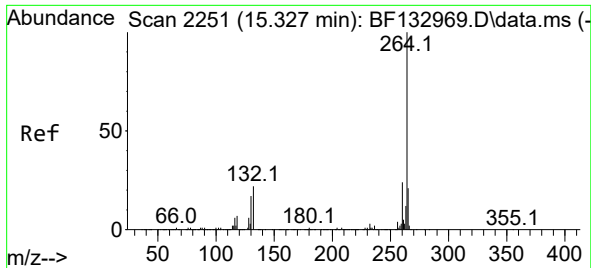
Tgt Ion:184 Resp: 37738
Ion Ratio Lower Upper
184 100
185 14.1 15.4 23.2#
183 7.2 9.4 14.0#



#79
Terphenyl-d14
Concen: 107.245 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

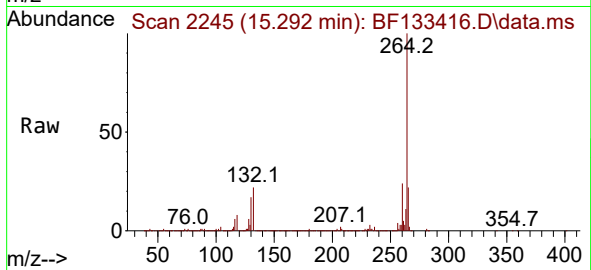
Tgt Ion:244 Resp: 3146890
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 11.6 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133416.D
Acq: 17 May 2023 16:42

Instrument :
BNA_F
ClientSampleId :
WATERWITCH-AVE-SAMPLE



Tgt Ion:	264	Resp:	513648
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.8	28.2
265	22.0	17.0	25.4

