

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140157.D
 Acq On : 30 Oct 2024 15:07
 Operator : RC/JU
 Sample : P4612-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-PAD

Quant Time: Oct 30 15:49:11 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)

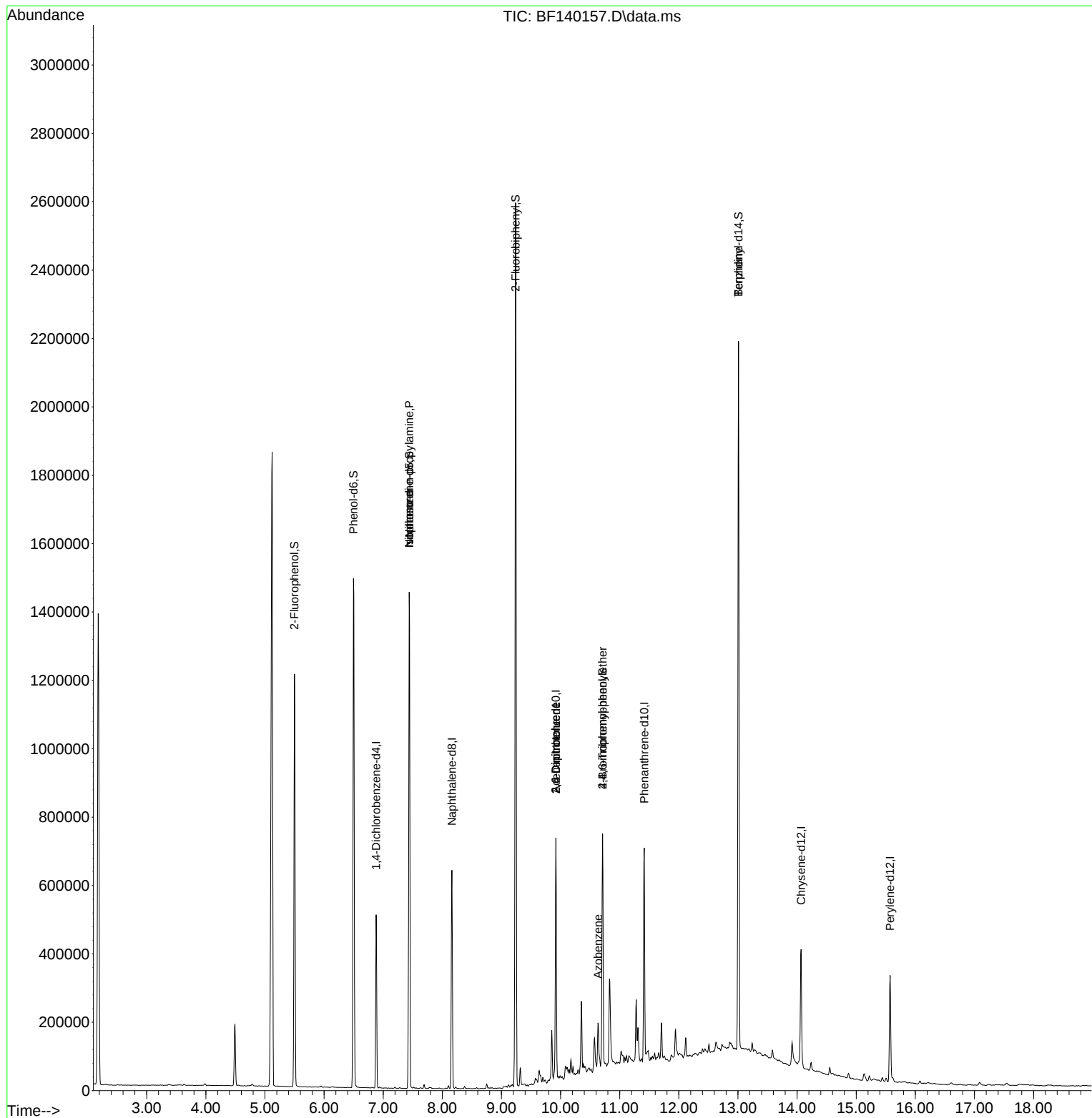
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	97425	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	381966	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	198237	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	331906	20.000	ng	0.00
76) Chrysene-d12	14.068	240	162395	20.000	ng	0.02
86) Perylene-d12	15.574	264	186566	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	417112	67.024	ng	0.00
7) Phenol-d6	6.498	99	683666	84.820	ng	-0.01
23) Nitrobenzene-d5	7.439	82	645179	93.616	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	103200	55.656	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1154175	96.223	ng	-0.01
79) Terphenyl-d14	13.010	244	1029552	103.306	ng	0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	89388	18.285	ng	# 78
25) Isophorone	7.439	82	642464	49.116	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	26028	9.735	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	26028	7.917	ng	# 21
63) Azobenzene	10.633	77	30287	2.356	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	7164	2.095	ng	# 1
77) Benzidine	13.010	184	13886	5.200	ng	# 93

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
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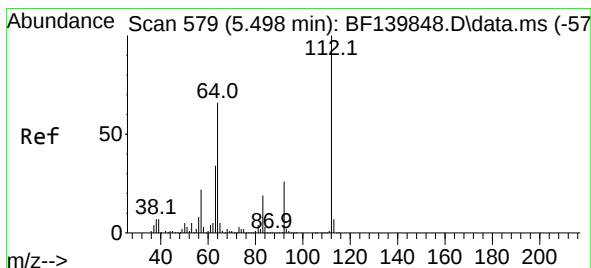
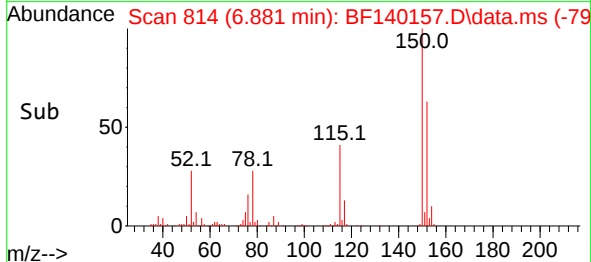
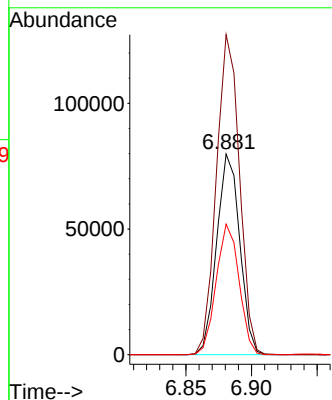
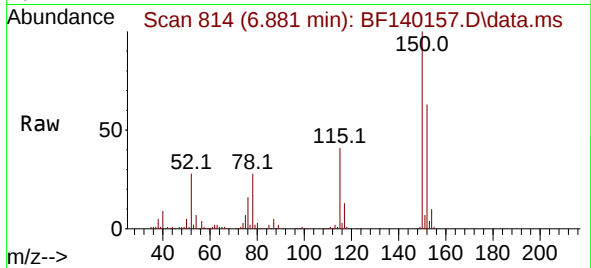




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.011 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

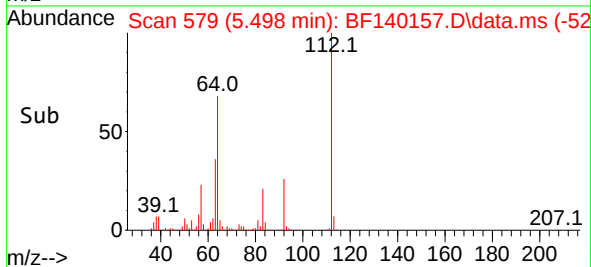
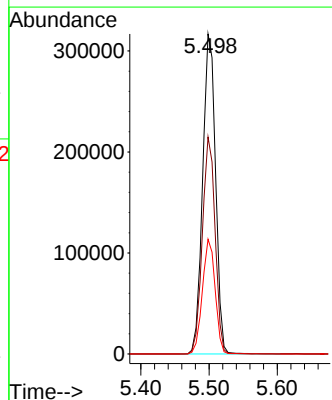
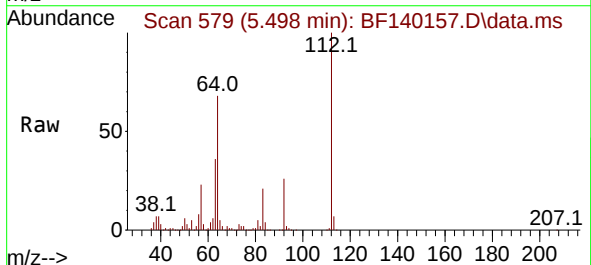
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD

Tgt Ion:152 Resp: 97425
Ion Ratio Lower Upper
152 100
150 159.5 130.2 195.2
115 65.1 51.4 77.2



#5
2-Fluorophenol
Concen: 67.024 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

Tgt Ion:112 Resp: 417112
Ion Ratio Lower Upper
112 100
64 67.8 53.0 79.6
63 35.9 27.0 40.4

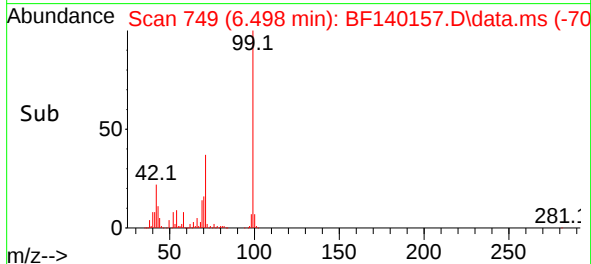
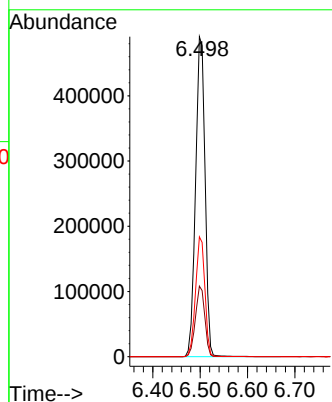
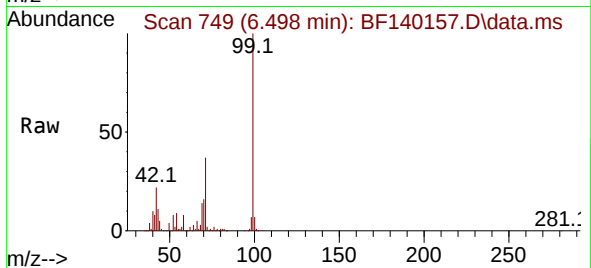




#7
Phenol-d6
Concen: 84.820 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

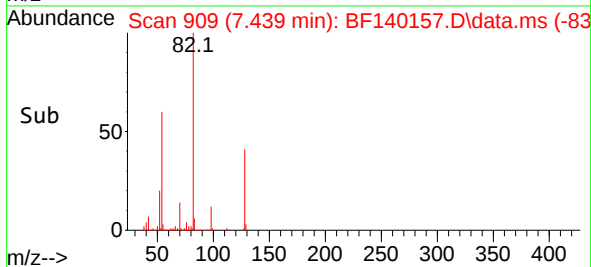
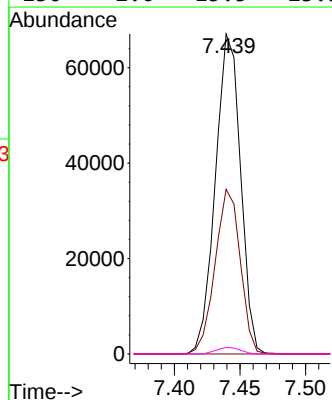
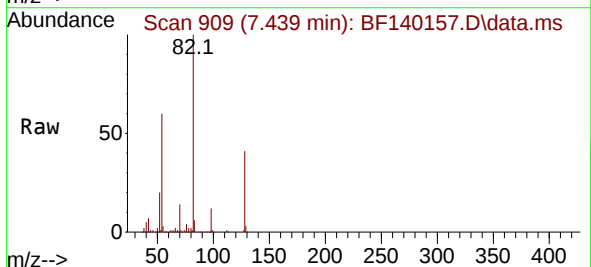
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD

Tgt Ion: 99 Resp: 683666
Ion Ratio Lower Upper
99 100
42 22.0 16.7 25.1
71 37.5 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 18.285 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

Tgt Ion: 70 Resp: 89388
Ion Ratio Lower Upper
70 100
42 51.5 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#

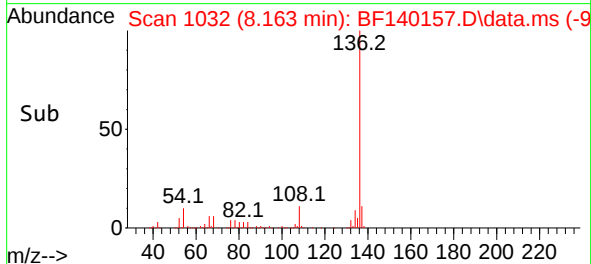
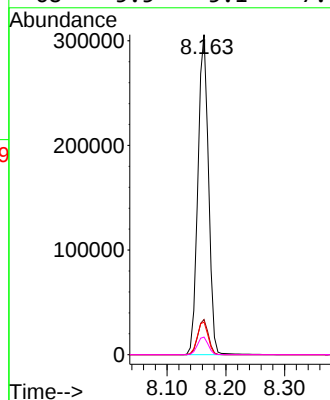
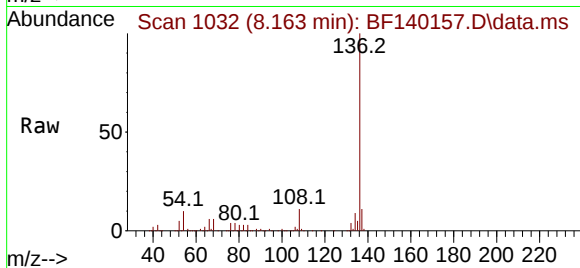




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

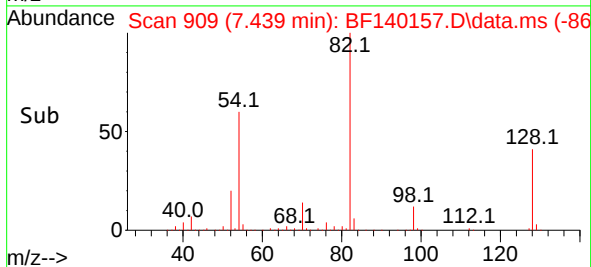
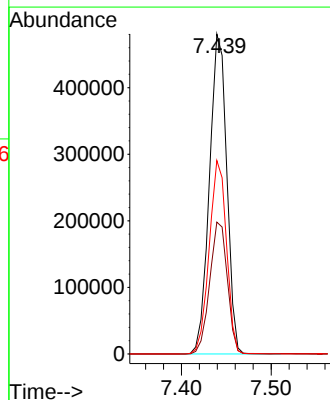
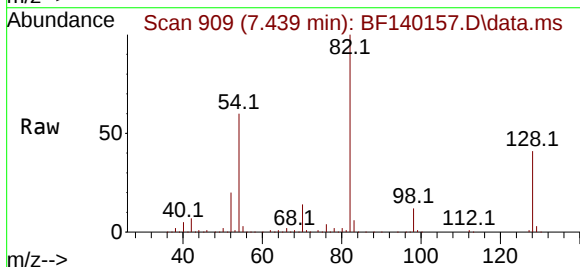
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD

Tgt Ion:	136	Resp:	381966
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	10.2	8.4	12.6
68	5.5	5.1	7.7



#23
Nitrobenzene-d5
Concen: 93.616 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

Tgt Ion:	82	Resp:	645179
Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.4	50.0
54	60.5	47.8	71.8

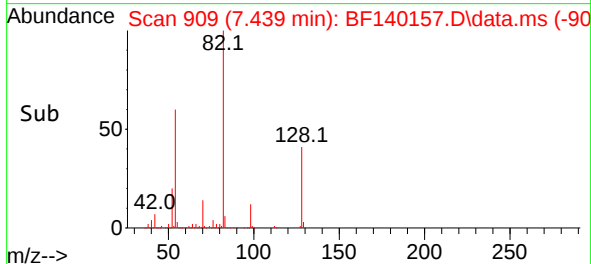
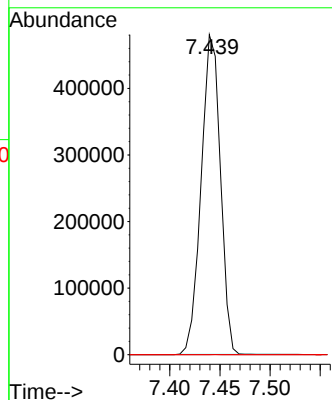
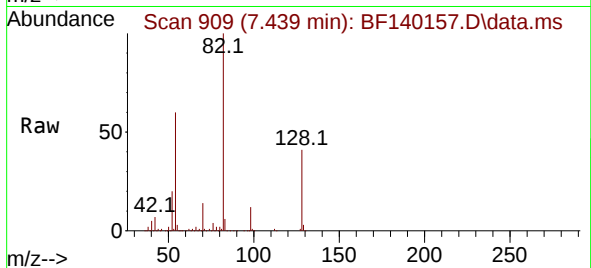




#25
Isophorone
Concen: 49.116 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

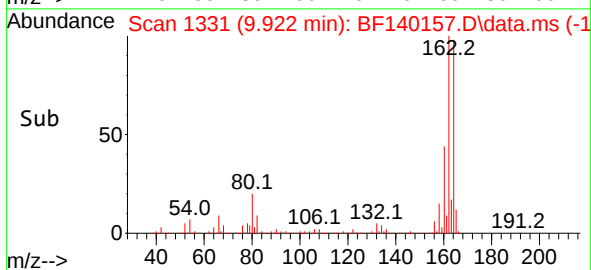
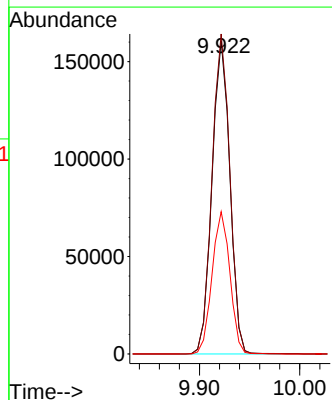
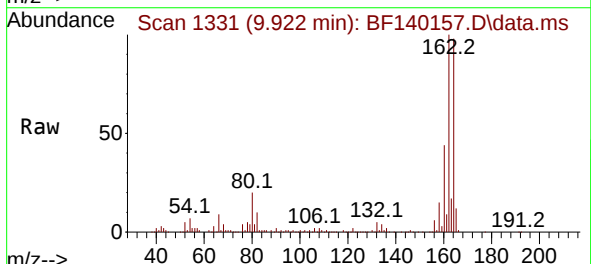
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD

Tgt Ion: 82 Resp: 642464
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

Tgt Ion:164 Resp: 198237
Ion Ratio Lower Upper
164 100
162 102.2 81.0 121.4
160 45.4 35.4 53.0

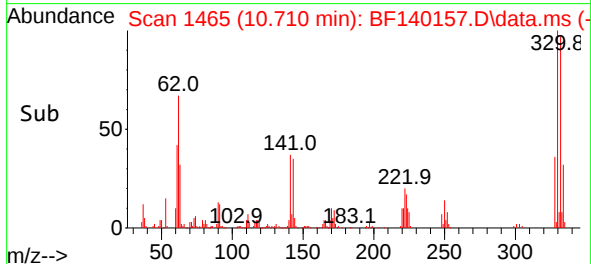
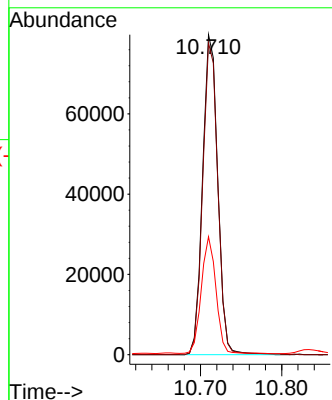
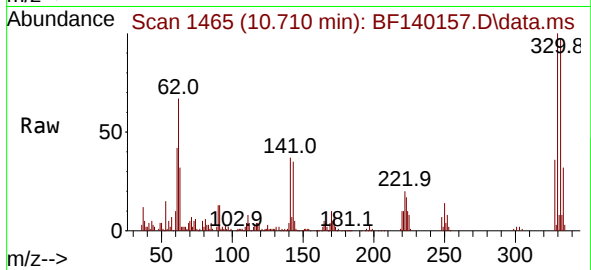




#42
2,4,6-Tribromophenol
Concen: 55.656 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

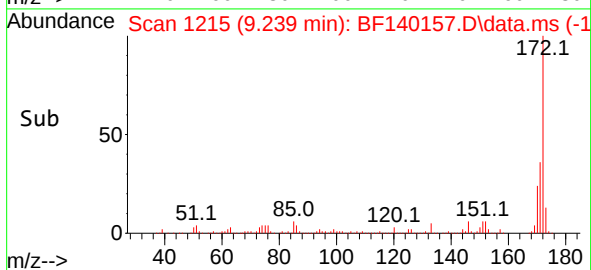
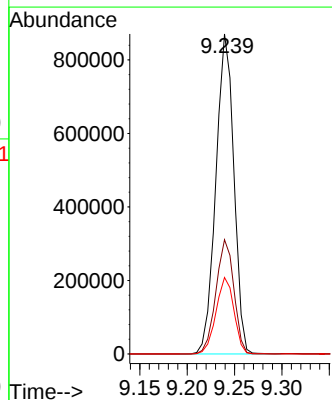
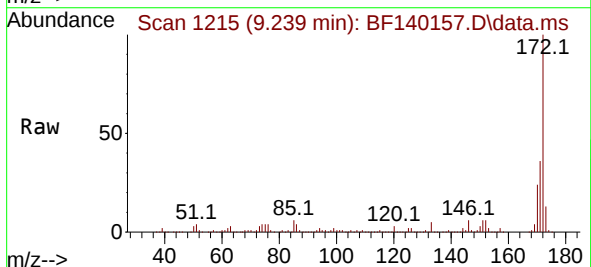
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD

Tgt Ion:330 Resp: 103200
Ion Ratio Lower Upper
330 100
332 97.4 78.1 117.1
141 34.9 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 96.223 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

Tgt Ion:172 Resp: 1154175
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.9 19.1 28.7

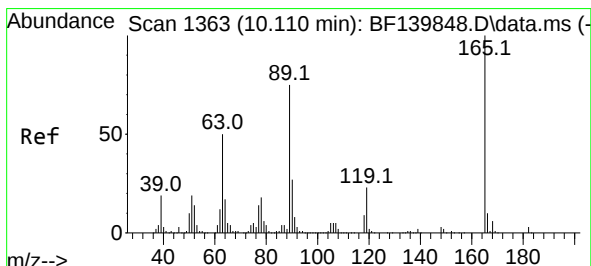
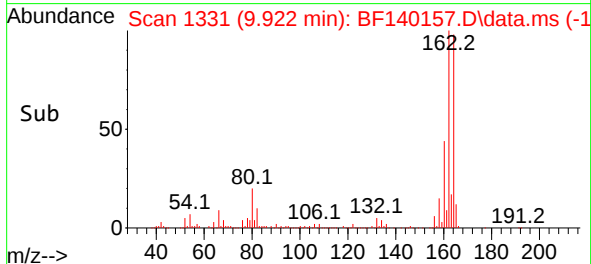
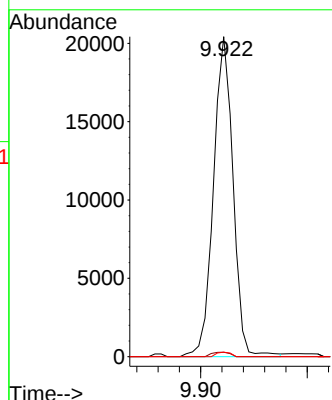
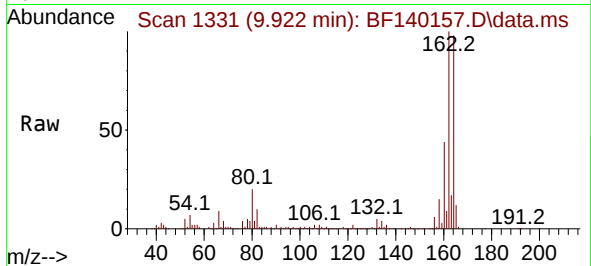




#51
2,6-Dinitrotoluene
Concen: 9.735 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

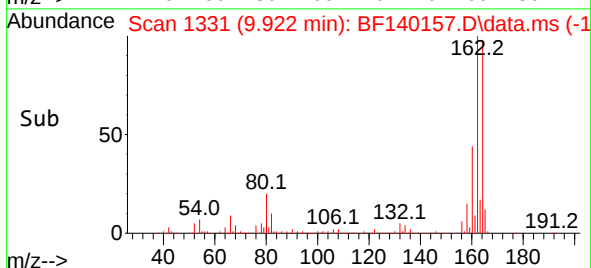
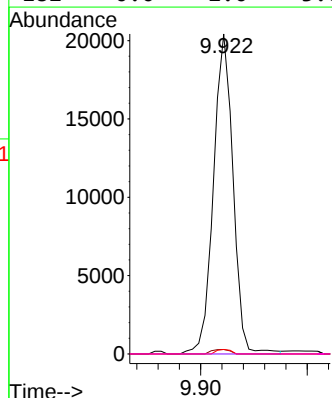
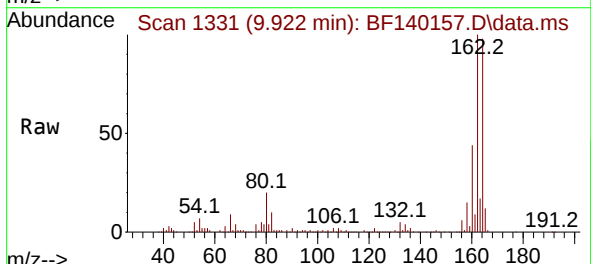
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BNA_F
ClientSampleId :
CONCRETE-PAD

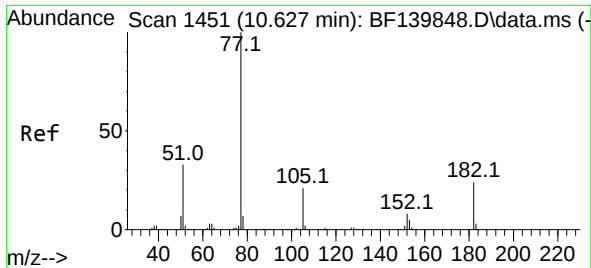
Tgt Ion:165 Resp: 26028
Ion Ratio Lower Upper
165 100
63 1.4 50.6 75.8#
89 1.4 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.917 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

Tgt Ion:165 Resp: 26028
Ion Ratio Lower Upper
165 100
63 1.4 40.1 60.1#
89 1.4 60.4 90.6#
182 0.0 2.0 3.0#

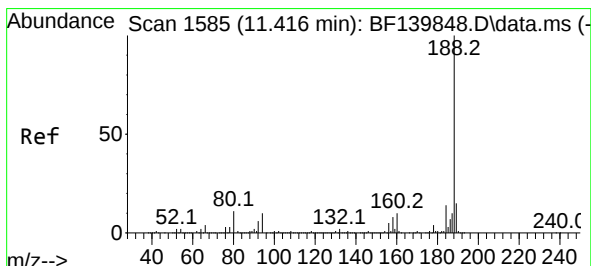
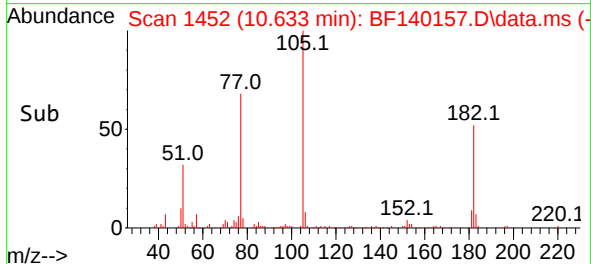
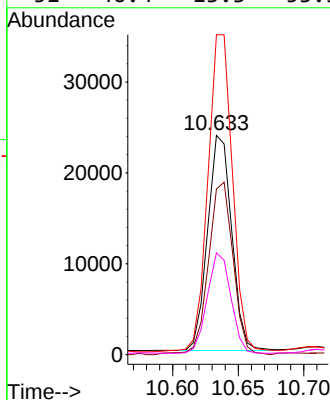
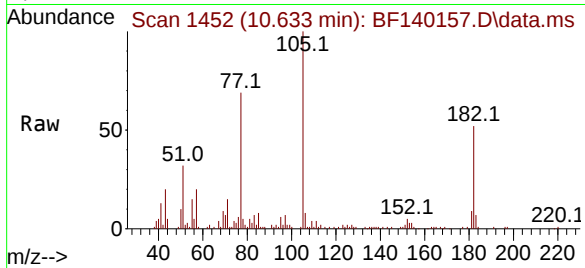




#63
Azobenzene
Concen: 2.356 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

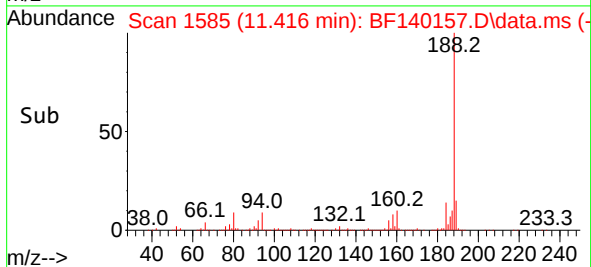
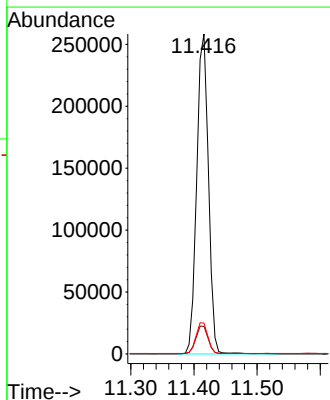
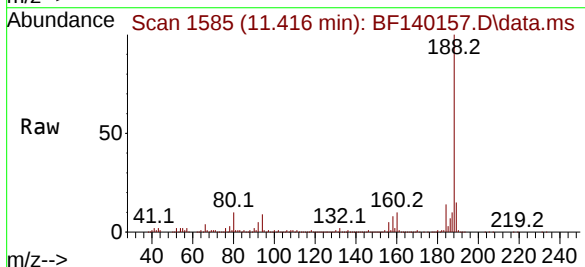
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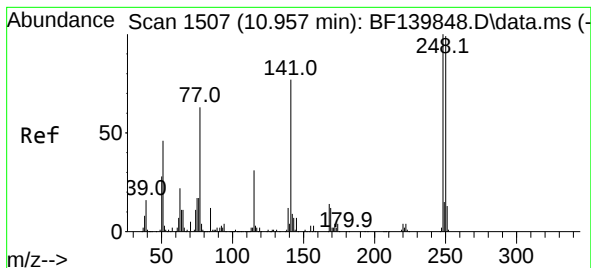
Tgt Ion: 77	Resp: 30287
Ion Ratio	Lower Upper
77 100	
182 75.5	3.3 43.3#
105 145.9	1.2 41.2#
51 46.4	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

Tgt Ion: 188	Resp: 331906
Ion Ratio	Lower Upper
188 100	
94 8.6	7.9 11.9
80 9.6	9.0 13.4

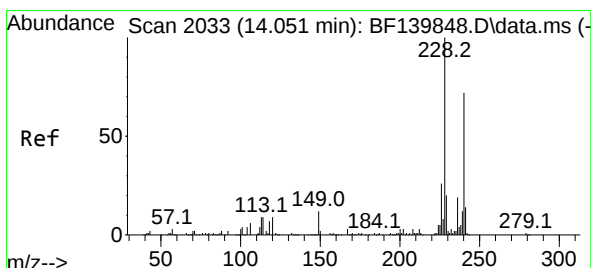
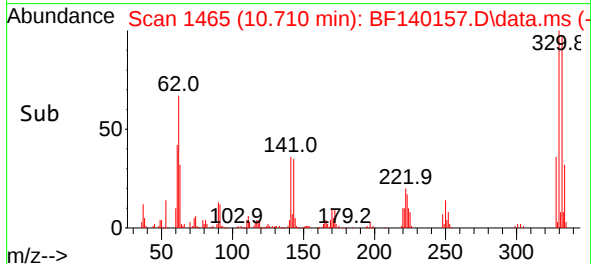
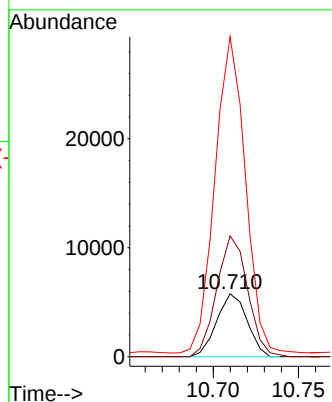
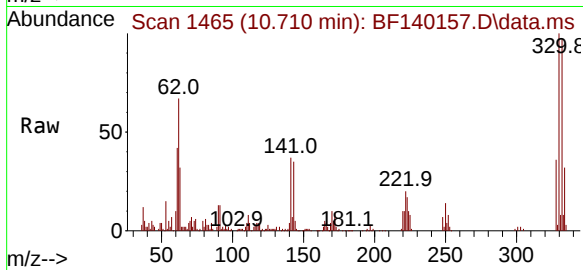




#67
4-Bromophenyl-phenylether
Concen: 2.095 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

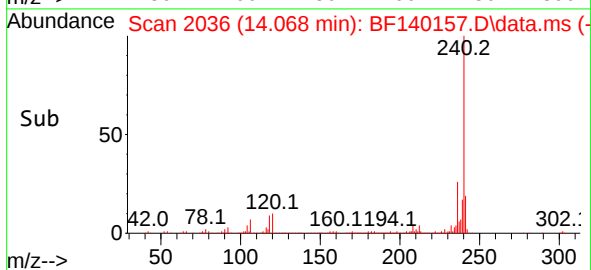
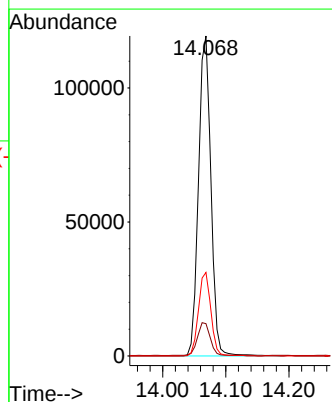
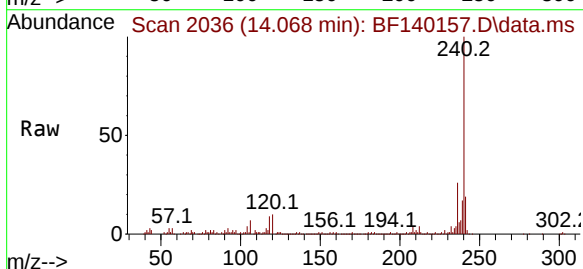
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD

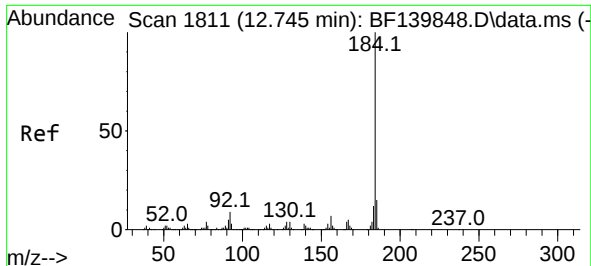
Tgt Ion:248 Resp: 7164
Ion Ratio Lower Upper
248 100
250 192.1 79.0 118.6#
141 508.6 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2036
Delta R.T. 0.018 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

Tgt Ion:240 Resp: 162395
Ion Ratio Lower Upper
240 100
120 10.1 9.4 14.2
236 26.1 20.9 31.3

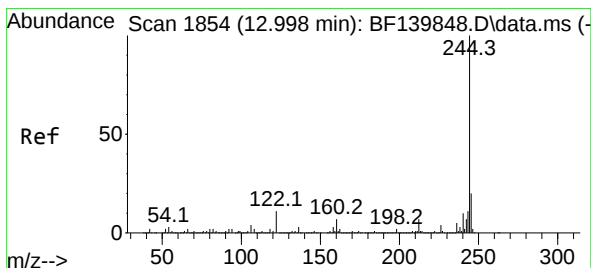
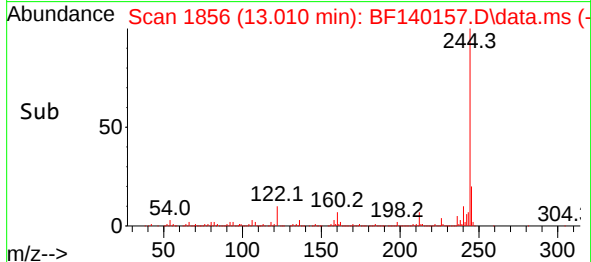
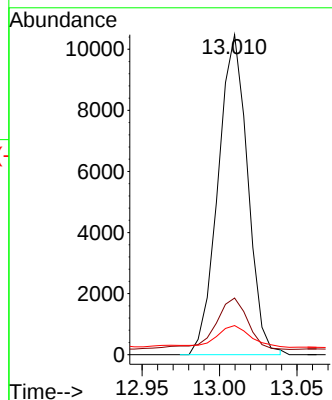
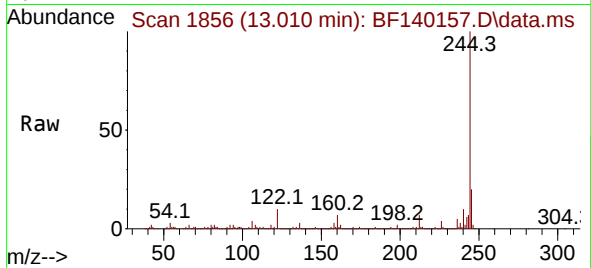




#77
Benzidine
Concen: 5.200 ng
RT: 13.010 min Scan# 1856
Delta R.T. 0.265 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

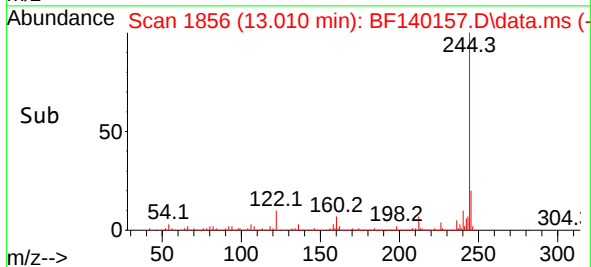
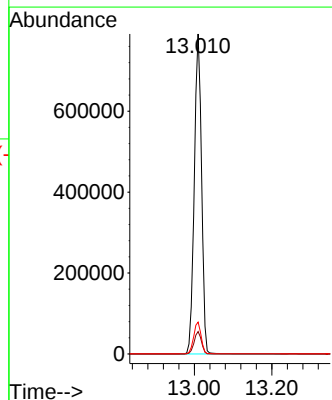
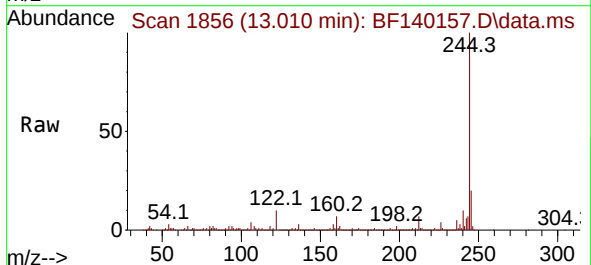
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD

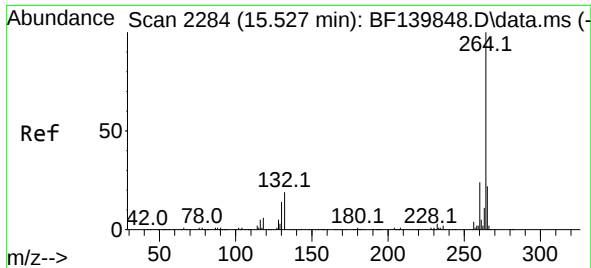
Tgt Ion:184 Resp: 13886
Ion Ratio Lower Upper
184 100
185 17.7 12.0 18.0
183 9.1 9.4 14.2#



#79
Terphenyl-d14
Concen: 103.306 ng
RT: 13.010 min Scan# 1856
Delta R.T. 0.012 min
Lab File: BF140157.D
Acq: 30 Oct 2024 15:07

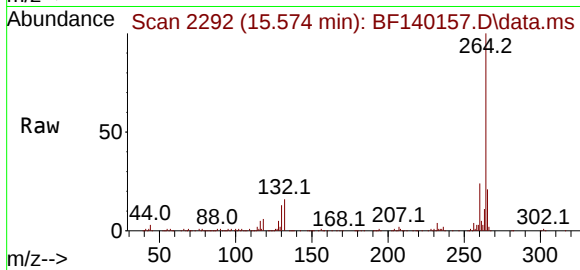
Tgt Ion:244 Resp: 1029552
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.0 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.574 min Scan# 21
 Delta R.T. 0.047 min
 Lab File: BF140157.D
 Acq: 30 Oct 2024 15:07

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-PAD



Tgt Ion:264	Resp:	186566
Ion	Ratio	Lower Upper
264	100	
260	24.1	19.4 29.2
265	21.1	17.4 26.0

