

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134038.D
 Acq On : 29 Jun 2023 15:50
 Operator : CG\JU
 Sample : 03336-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Jun 30 05:59:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

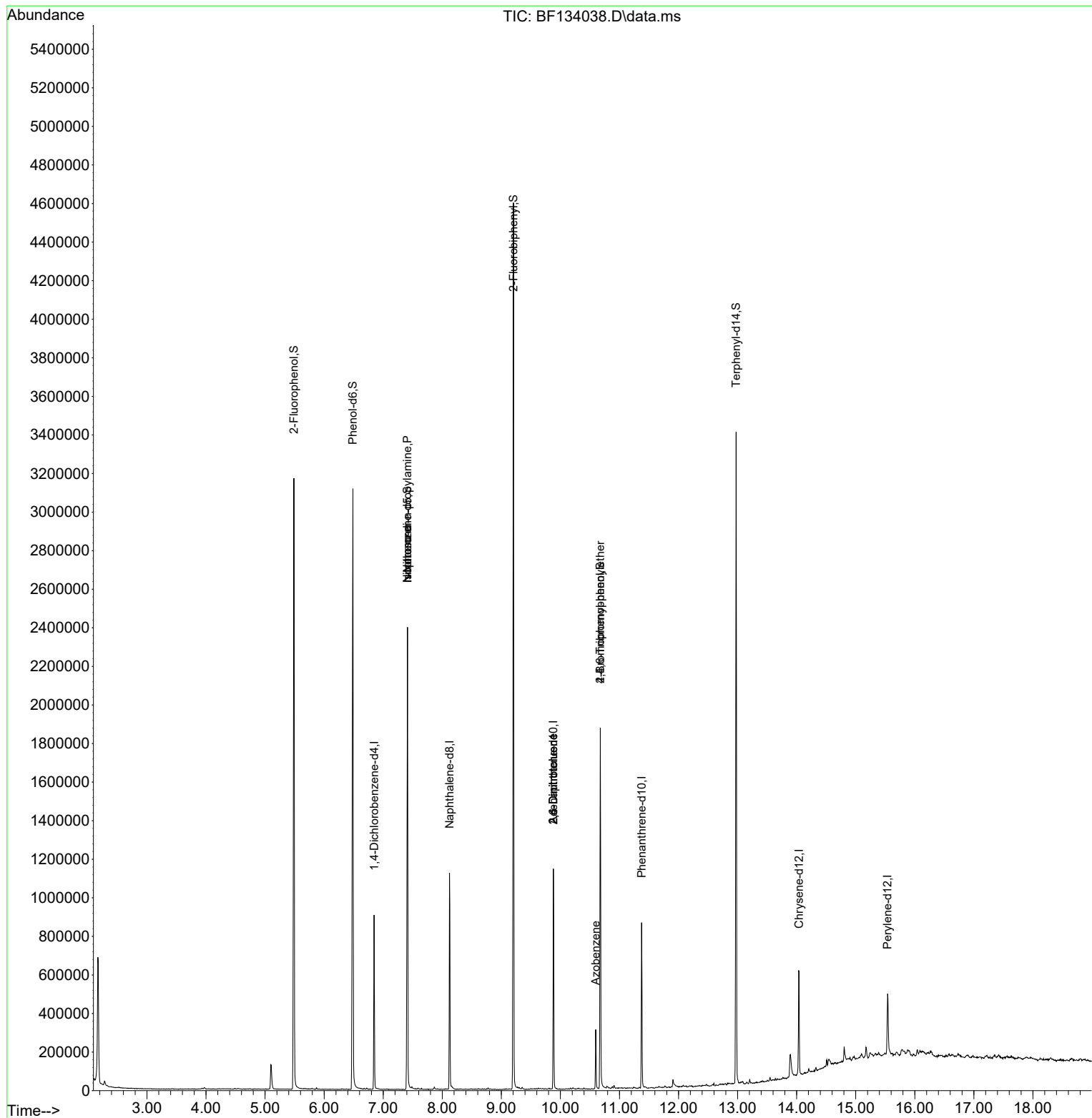
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	120511	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	483418	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	211398	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	310415	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	196510	20.000	ng	0.00
86) Perylene-d12	15.539	264	156880	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	883471	122.631	ng	0.00
7) Phenol-d6	6.487	99	1042581	117.675	ng	0.00
23) Nitrobenzene-d5	7.410	82	731242	81.540	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	222604	83.985	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1299674	89.385	ng	0.00
79) Terphenyl-d14	12.975	244	1148411	94.055	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.404	77	125	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.410	70	101343	18.037	ng	# 80
25) Isophorone	7.410	82	731235	44.865	ng	# 64
51) 2,6-Dinitrotoluene	9.881	165	26890	8.136	ng	# 23
57) 2,4-Dinitrotoluene	9.881	165	26890	6.161	ng	# 22
63) Azobenzene	10.598	77	49978	3.305	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	13395	4.060	ng	# 1

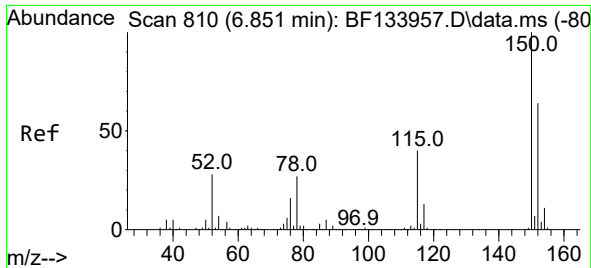
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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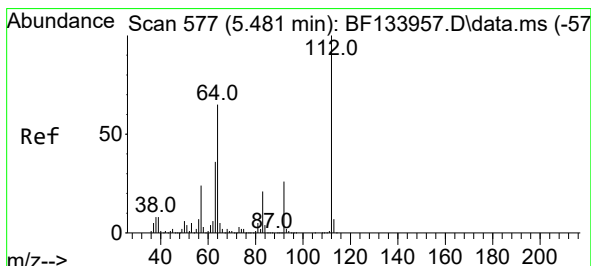
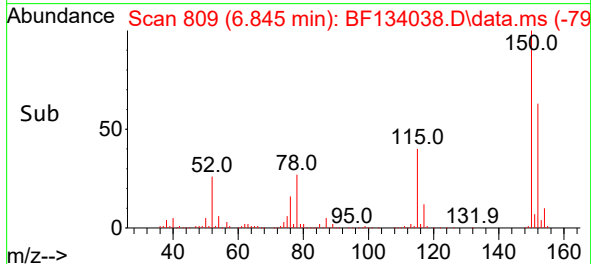
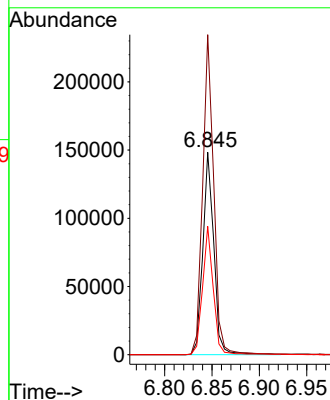
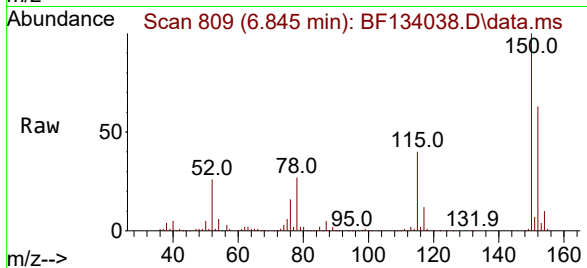




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

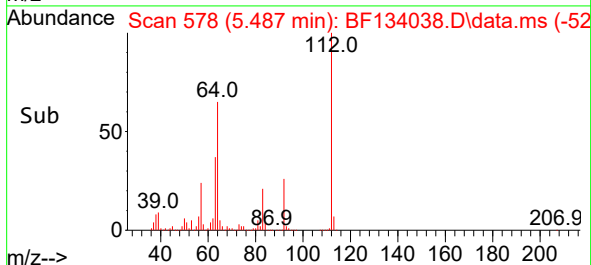
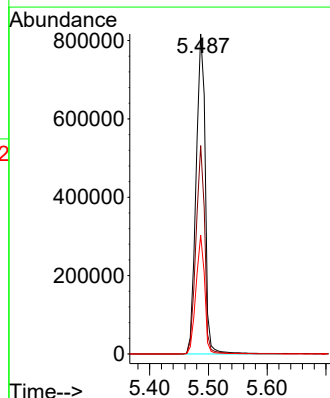
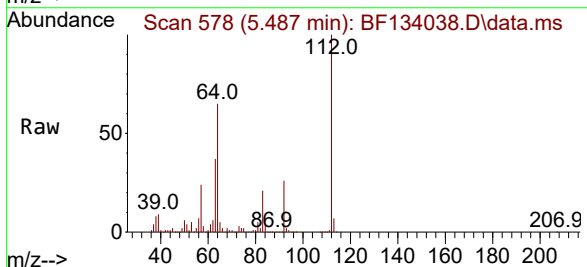
Instrument :
BNA_F
ClientSampleId :
WC-4

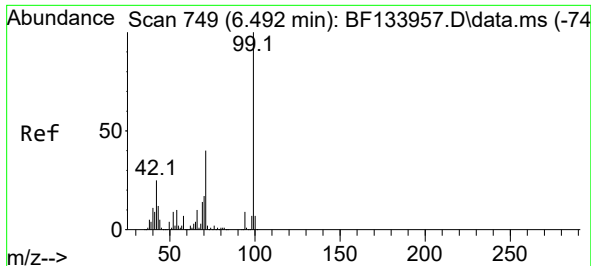
Tgt Ion:152 Resp: 120511
Ion Ratio Lower Upper
152 100
150 158.1 124.5 186.7
115 63.4 50.2 75.2



#5
2-Fluorophenol
Concen: 122.631 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

Tgt Ion:112 Resp: 883471
Ion Ratio Lower Upper
112 100
64 65.1 52.1 78.1
63 37.1 28.6 42.8

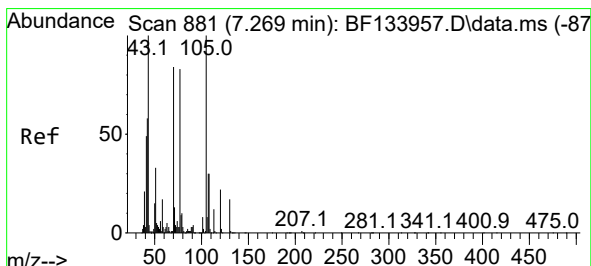
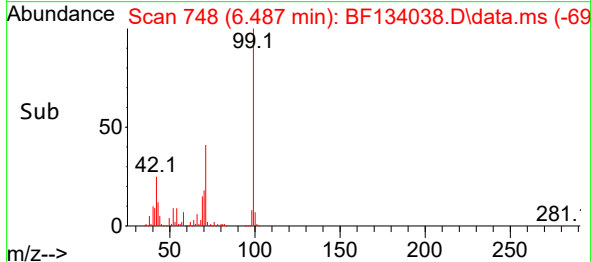
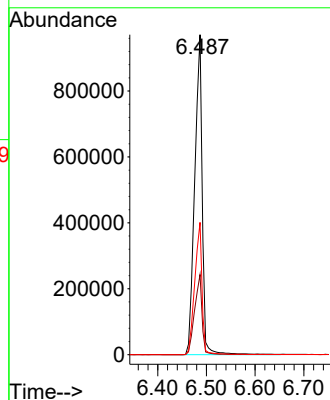
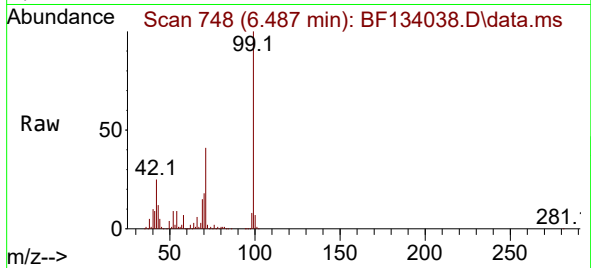




#7
Phenol-d6
Concen: 117.675 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

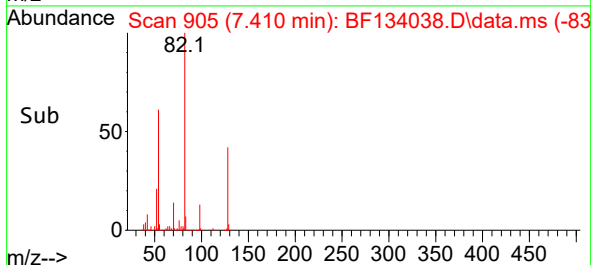
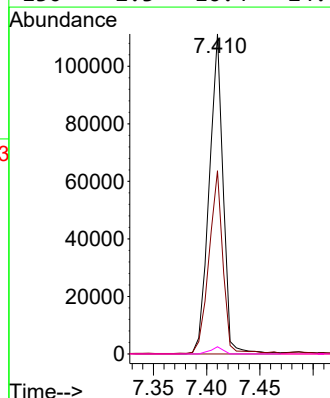
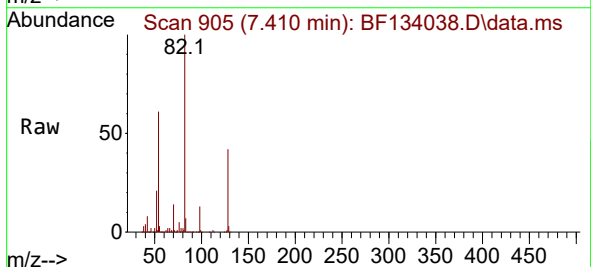
Instrument :
BNA_F
ClientSampleId :
WC-4

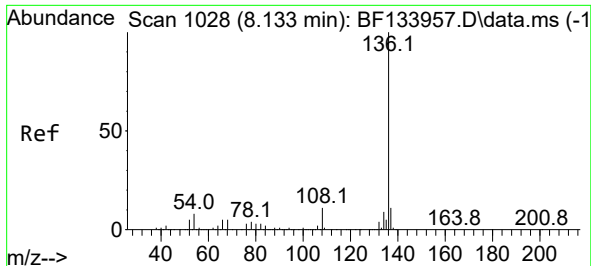
Tgt Ion: 99 Resp: 1042581
Ion Ratio Lower Upper
99 100
42 25.0 19.8 29.6
71 41.3 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 18.037 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

Tgt Ion: 70 Resp: 101343
Ion Ratio Lower Upper
70 100
42 57.3 54.7 82.1
101 0.0 7.7 11.5#
130 2.3 16.4 24.6#



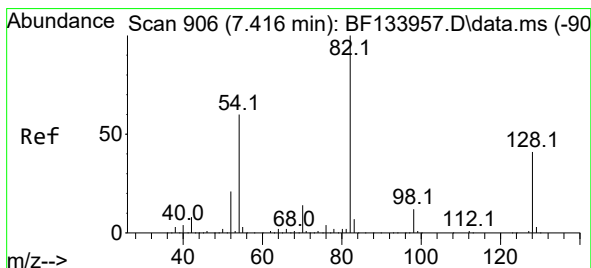
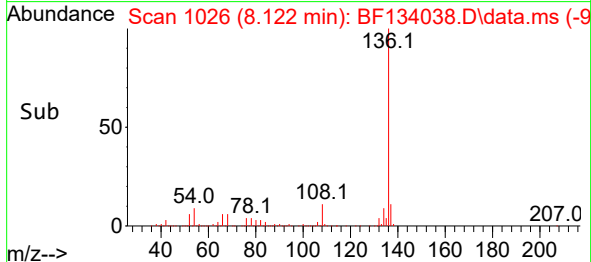
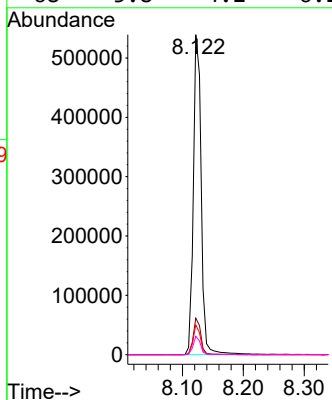
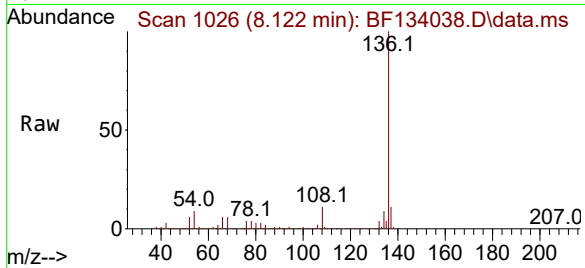


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:136 Resp: 483418

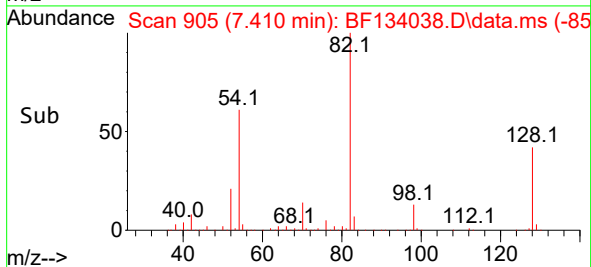
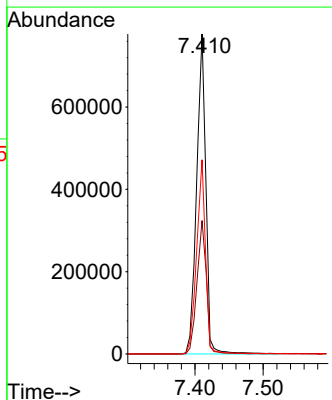
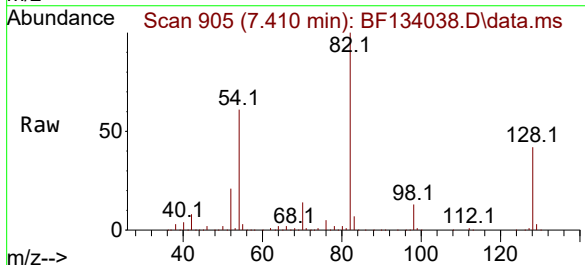
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	12.8
54	9.3	6.5	9.7
68	5.8	4.2	6.2

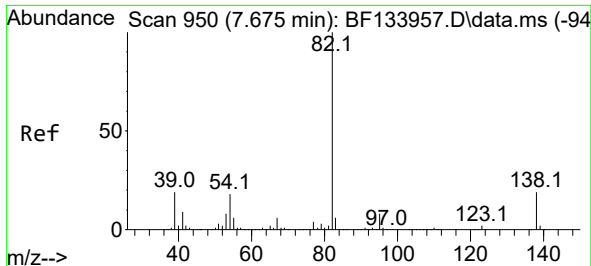


#23
Nitrobenzene-d5
Concen: 81.540 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

Tgt Ion: 82 Resp: 731242

Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.5	48.7
54	60.7	48.2	72.2

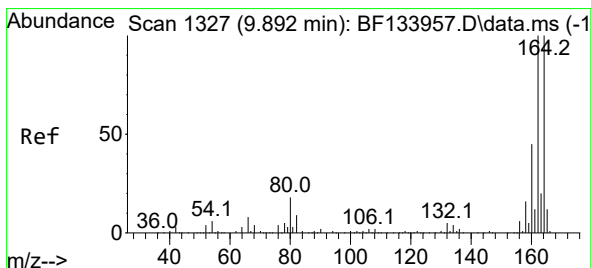
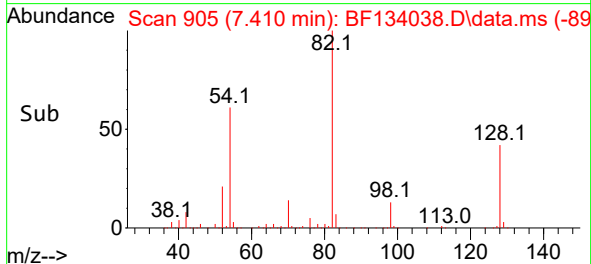
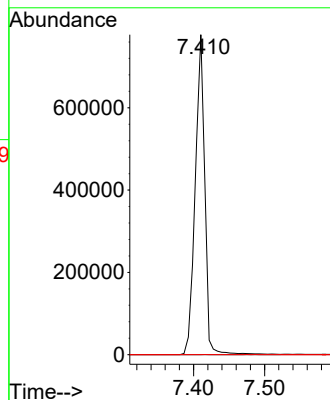
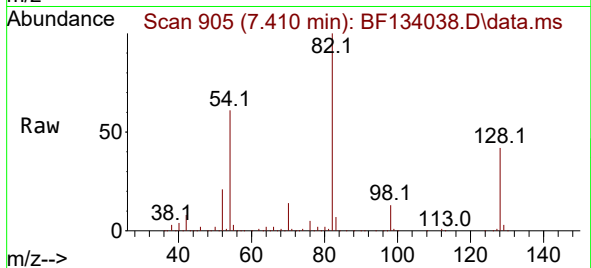




#25
Isophorone
Concen: 44.865 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

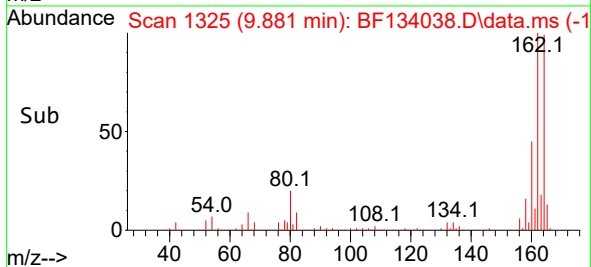
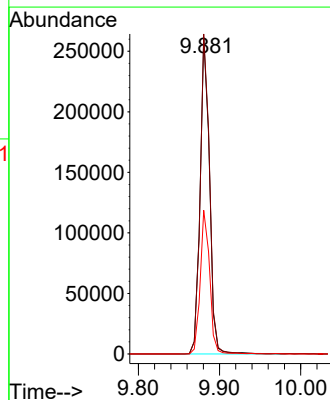
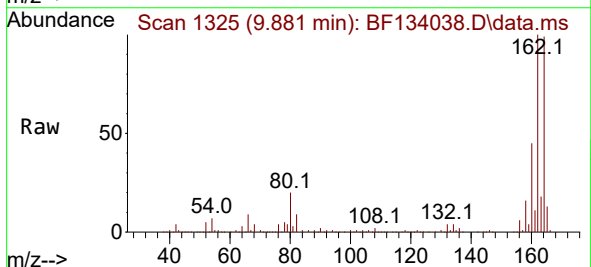
Instrument :
BNA_F
ClientSampleId :
WC-4

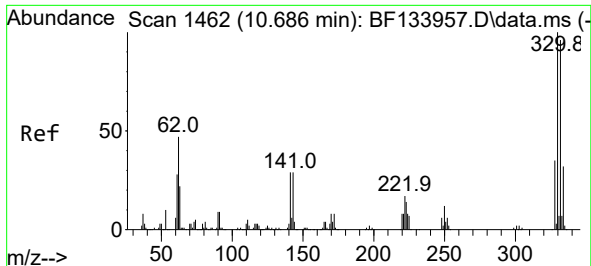
Tgt Ion: 82 Resp: 731235
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

Tgt Ion: 164 Resp: 211398
Ion Ratio Lower Upper
164 100
162 101.2 80.0 120.0
160 45.4 35.9 53.9

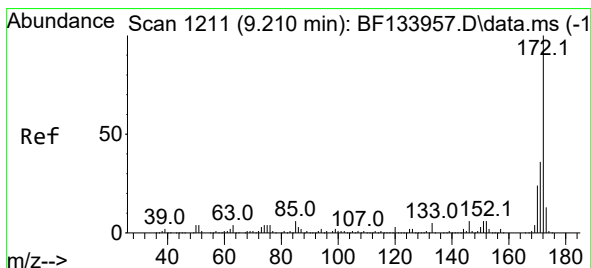
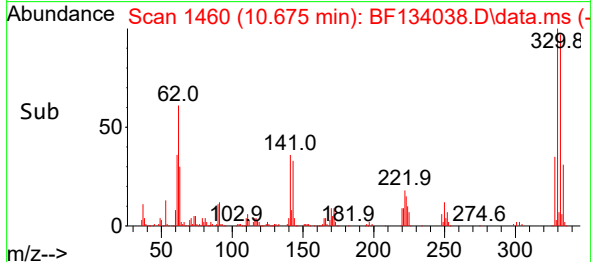
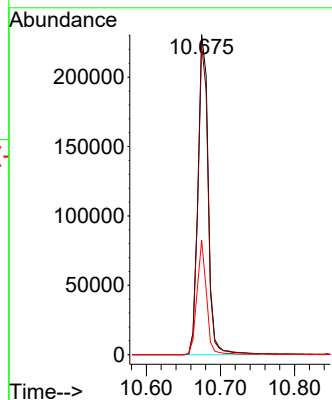
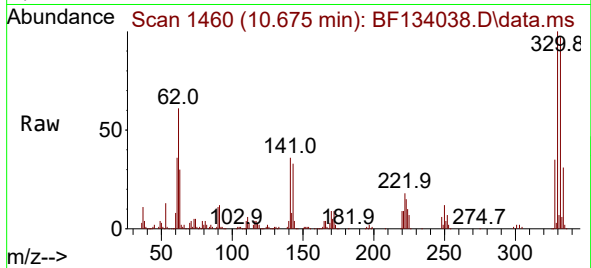




#42
2,4,6-Tribromophenol
Concen: 83.985 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

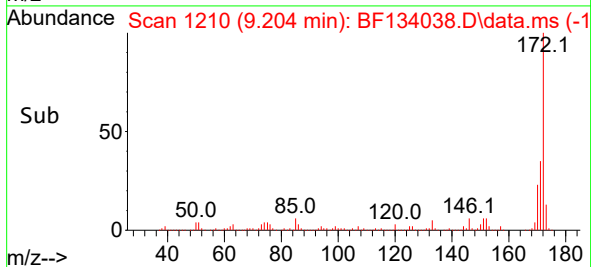
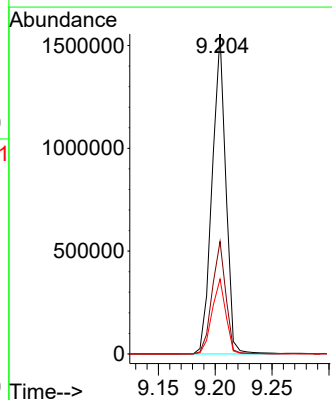
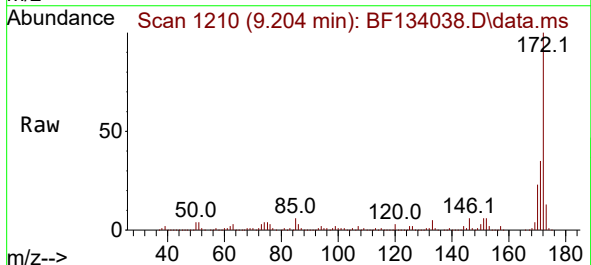
Instrument :
BNA_F
ClientSampleId :
WC-4

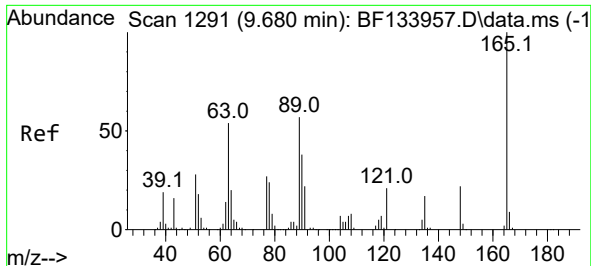
Tgt Ion: 330 Resp: 222604
Ion Ratio Lower Upper
330 100
332 95.2 77.0 115.6
141 32.8 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 89.385 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

Tgt Ion: 172 Resp: 1299674
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.4 19.4 29.0

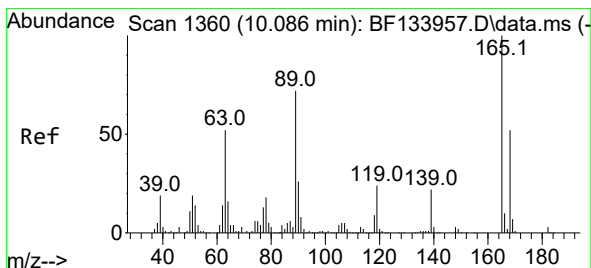
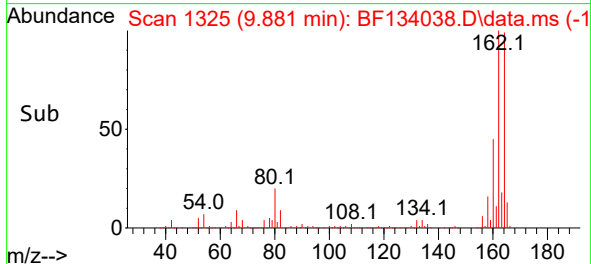
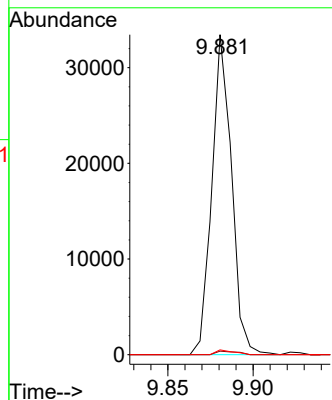
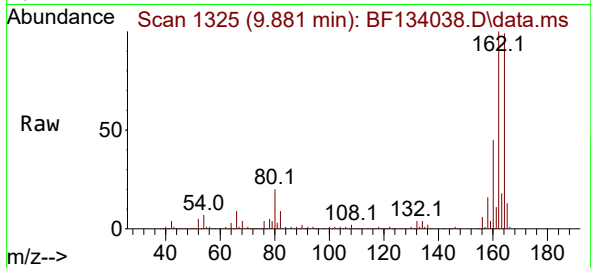




#51
2,6-Dinitrotoluene
Concen: 8.136 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.201 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

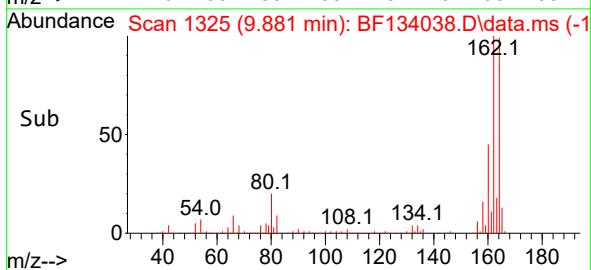
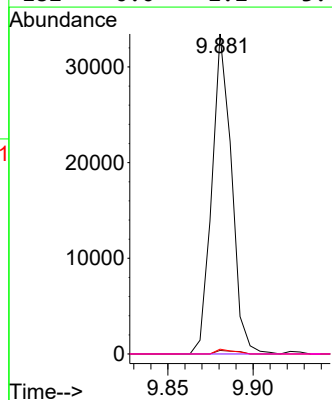
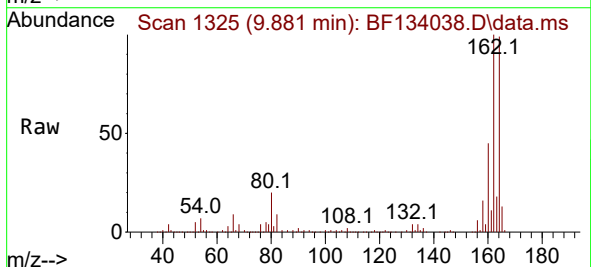
Instrument :
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ClientSampleId :
WC-4

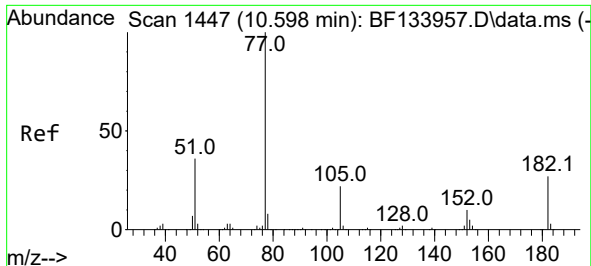
Tgt Ion:165 Resp: 26890
Ion Ratio Lower Upper
165 100
63 1.1 48.5 72.7#
89 1.5 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.161 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

Tgt Ion:165 Resp: 26890
Ion Ratio Lower Upper
165 100
63 1.1 42.2 63.2#
89 1.5 57.4 86.2#
182 0.0 2.2 3.4#

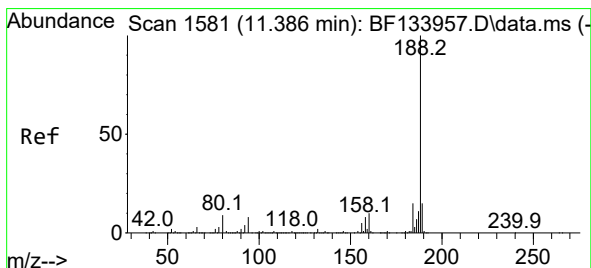
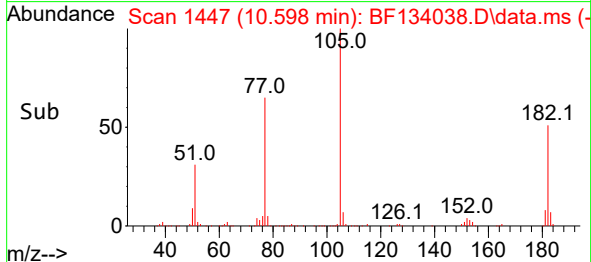
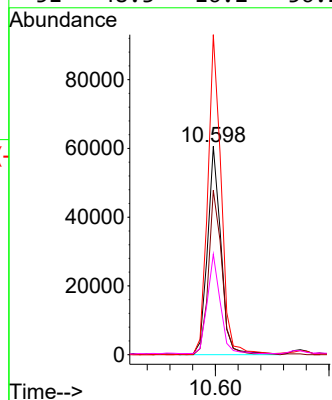
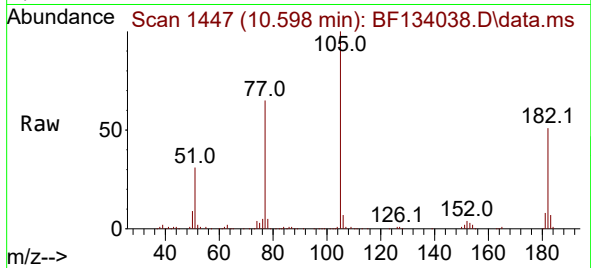




#63
Azobenzene
Concen: 3.305 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

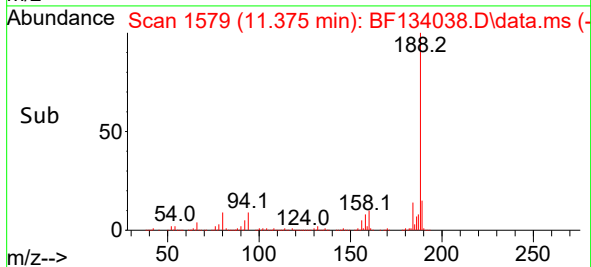
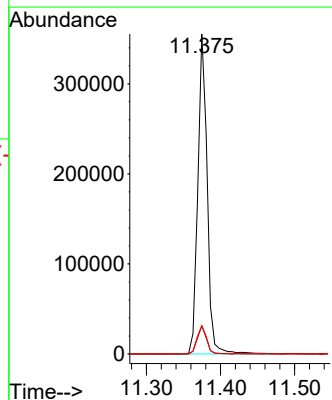
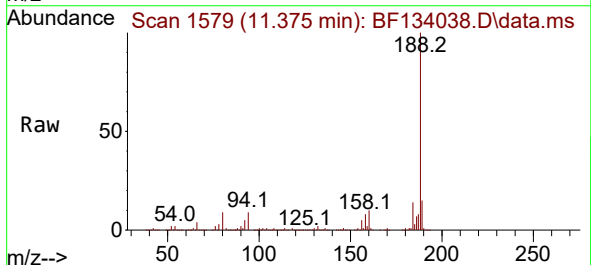
Instrument :
BNA_F
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WC-4

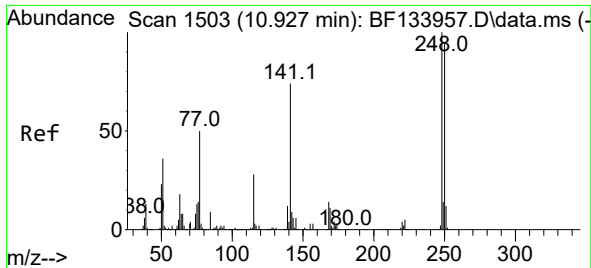
Tgt Ion: 77 Resp: 49978
Ion Ratio Lower Upper
77 100
182 78.9 6.8 46.8#
105 153.7 2.3 42.3#
51 48.3 16.2 56.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

Tgt Ion:188 Resp: 310415
Ion Ratio Lower Upper
188 100
94 8.8 6.4 9.6
80 8.9 7.3 10.9

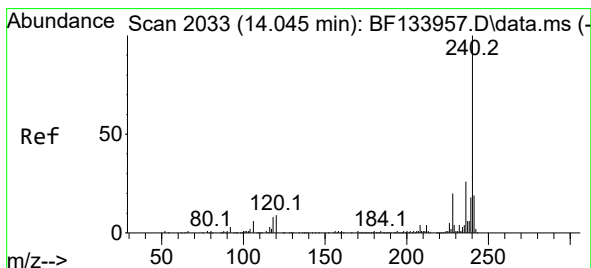
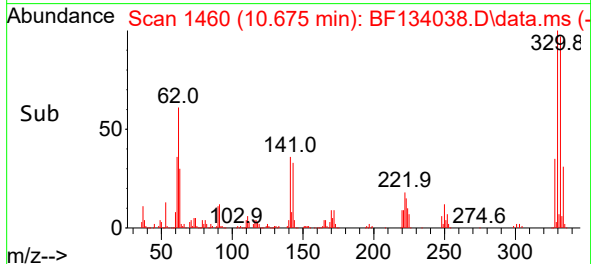
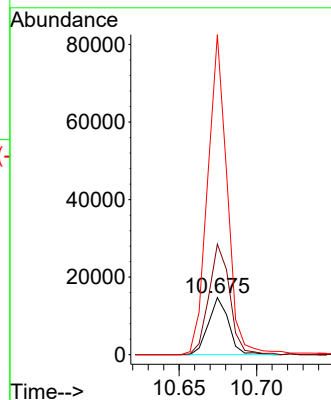
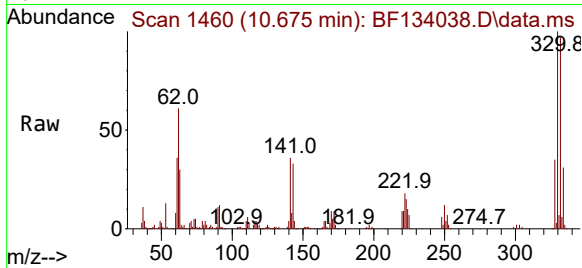




#67
4-Bromophenyl-phenylether
Concen: 4.060 ng
RT: 10.675 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

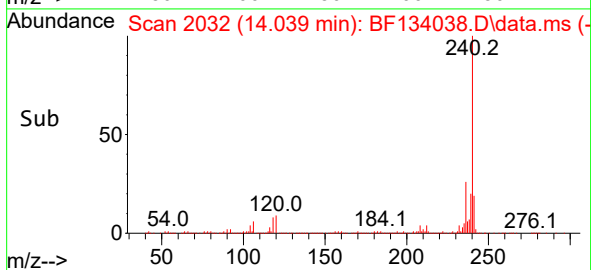
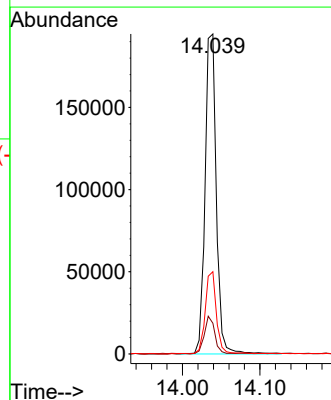
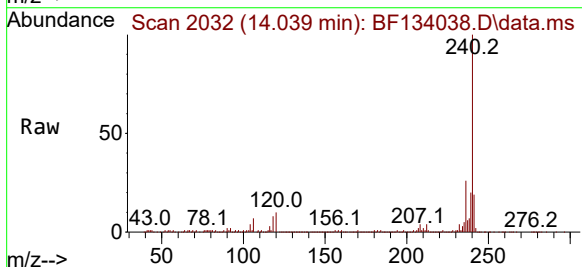
Instrument :
BNA_F
ClientSampleId :
WC-4

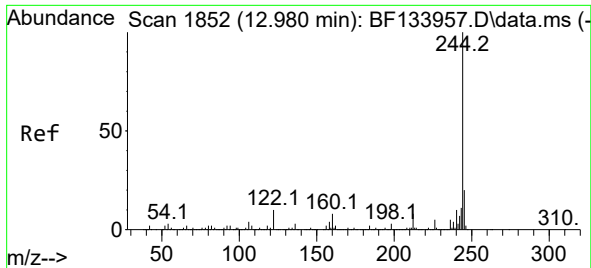
Tgt Ion:248 Resp: 13395
Ion Ratio Lower Upper
248 100
250 193.7 76.2 114.4#
141 560.4 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF134038.D
Acq: 29 Jun 2023 15:50

Tgt Ion:240 Resp: 196510
Ion Ratio Lower Upper
240 100
120 9.6 7.4 11.0
236 25.7 21.0 31.6

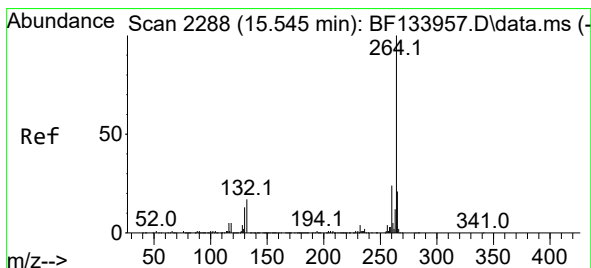
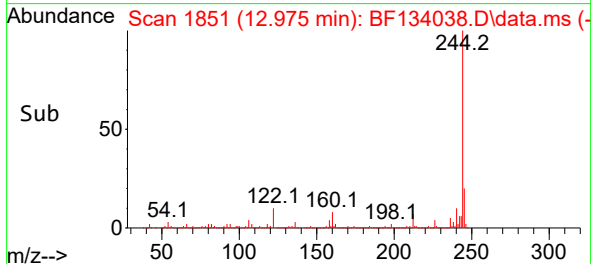
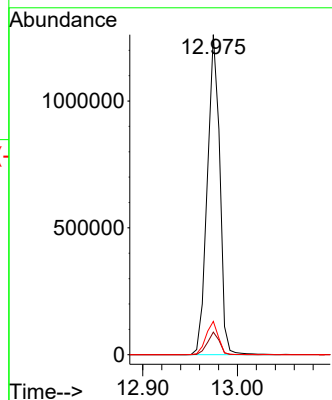
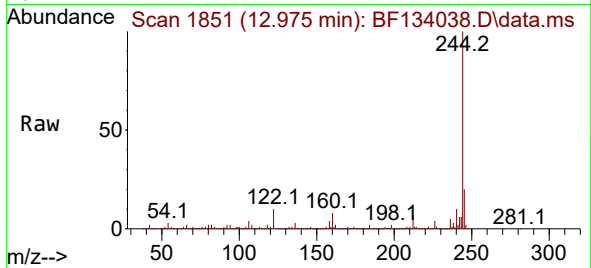




#79
 Terphenyl-d14
 Concen: 94.055 ng
 RT: 12.975 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF134038.D
 Acq: 29 Jun 2023 15:50

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Tgt Ion:244 Resp: 1148411
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 10.4 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2287
 Delta R.T. -0.006 min
 Lab File: BF134038.D
 Acq: 29 Jun 2023 15:50

Tgt Ion:264 Resp: 156880
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 22.1 16.6 25.0

