

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141489.D
 Acq On : 06 Feb 2025 19:19
 Operator : RC/JU
 Sample : Q1309-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Quant Time: Feb 07 01:53:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

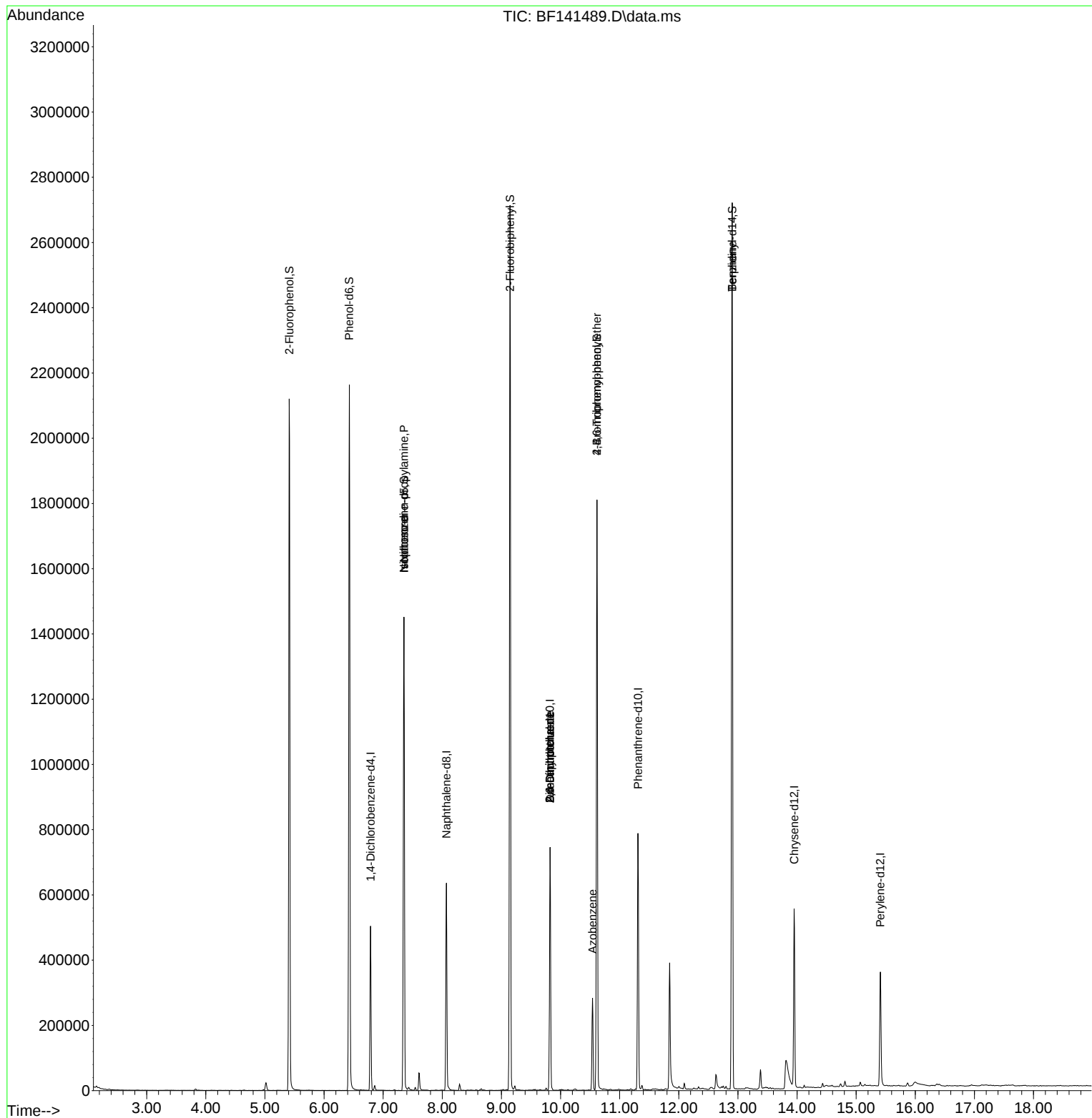
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	99125	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	401230	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	223338	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	394320	20.000	ng	0.00
76) Chrysene-d12	13.951	240	261692	20.000	ng	-0.01
86) Perylene-d12	15.410	264	206631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	769998	121.782	ng	0.00
7) Phenol-d6	6.428	99	981173	122.777	ng	-0.01
23) Nitrobenzene-d5	7.351	82	659166	85.689	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	291403	129.886	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1197316	82.594	ng	0.00
79) Terphenyl-d14	12.904	244	1364087	87.997	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	90609	18.955	ng	# 76
25) Isophorone	7.351	82	642844	52.411	ng	# 66
50) Dimethylphthalate	9.822	163	32336	2.133	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	28370	8.559	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	28370	6.430	ng	# 18
63) Azobenzene	10.539	77	70548	4.757	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	21185	4.807	ng	# 1
77) Benzidine	12.904	184	18623	3.227	ng	# 92

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

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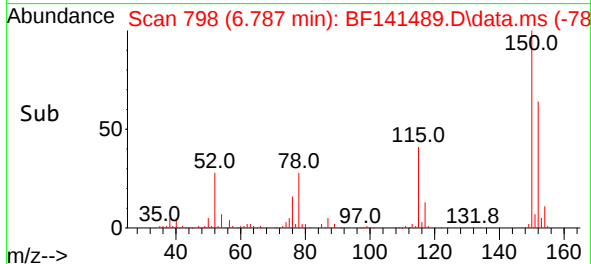
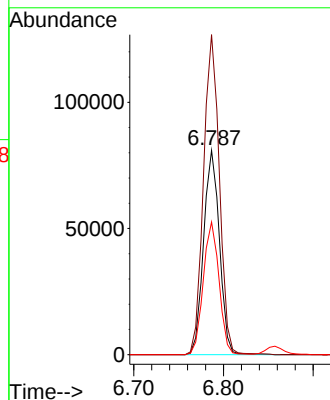
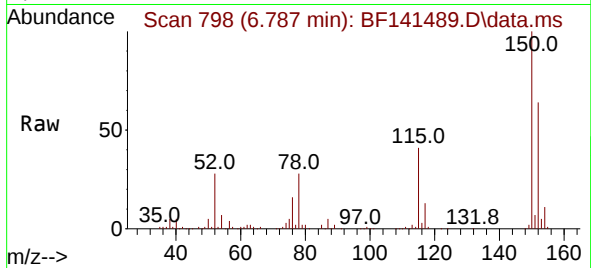




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141489.D
 Acq: 06 Feb 2025 19:19

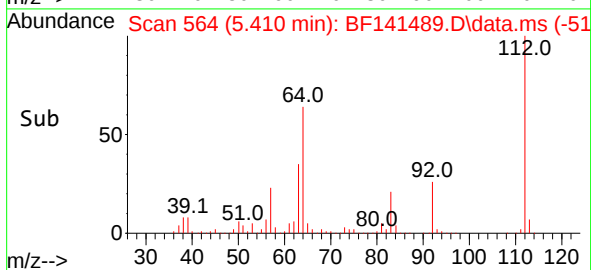
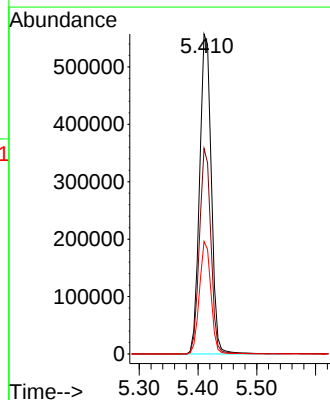
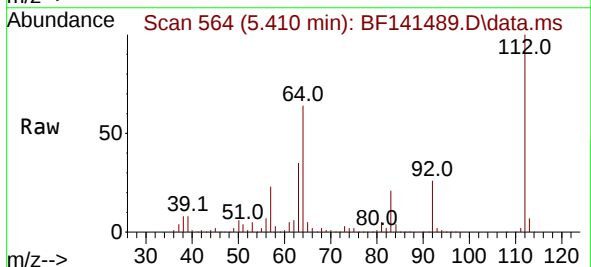
Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Tgt Ion:152 Resp: 99125
 Ion Ratio Lower Upper
 152 100
 150 156.6 125.0 187.4
 115 64.9 53.6 80.4



#5
 2-Fluorophenol
 Concen: 121.782 ng
 RT: 5.410 min Scan# 564
 Delta R.T. 0.000 min
 Lab File: BF141489.D
 Acq: 06 Feb 2025 19:19

Tgt Ion:112 Resp: 769998
 Ion Ratio Lower Upper
 112 100
 64 64.2 51.1 76.7
 63 35.2 28.4 42.6

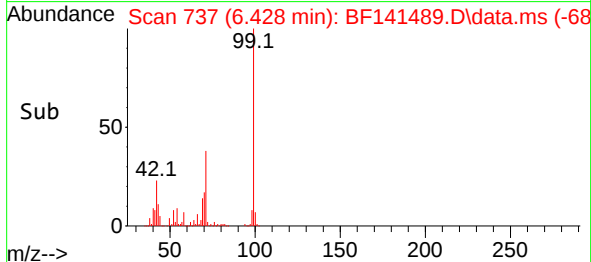
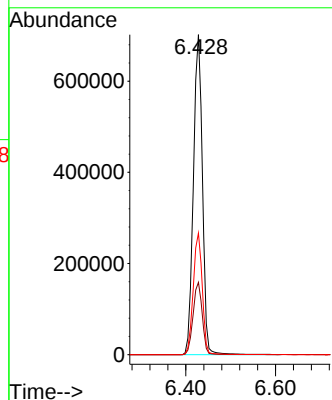
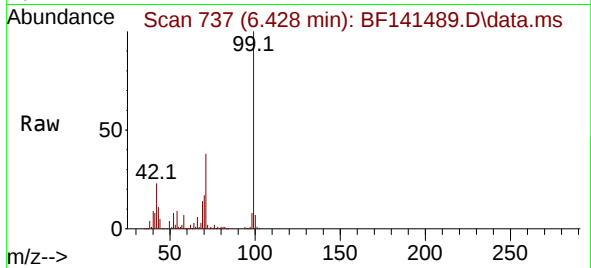




#7
Phenol-d6
Concen: 122.777 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141489.D
Acq: 06 Feb 2025 19:19

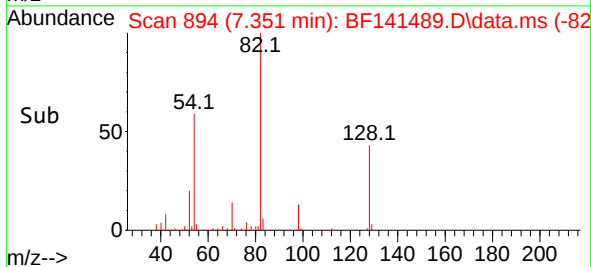
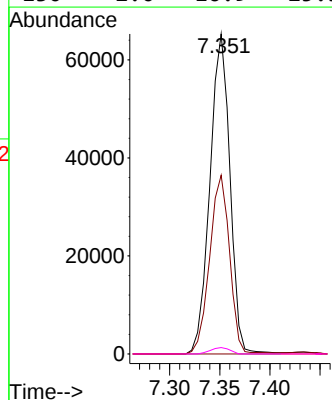
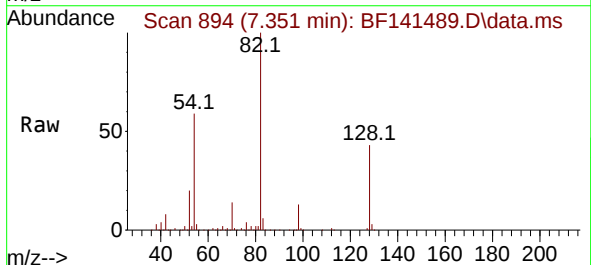
Instrument :
BNA_F
ClientSampleId :
WC-5

Tgt Ion: 99 Resp: 981173
Ion Ratio Lower Upper
99 100
42 22.6 19.1 28.7
71 38.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 18.955 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.136 min
Lab File: BF141489.D
Acq: 06 Feb 2025 19:19

Tgt Ion: 70 Resp: 90609
Ion Ratio Lower Upper
70 100
42 55.9 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

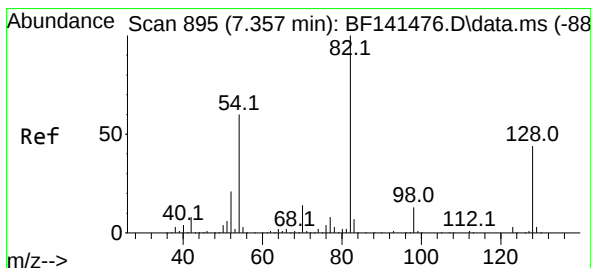
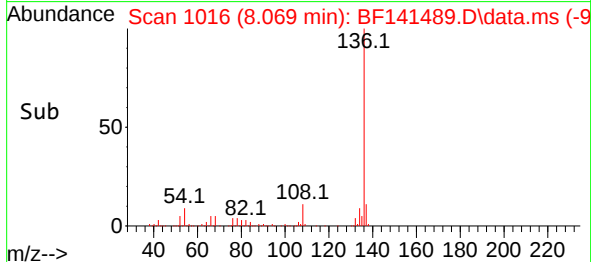
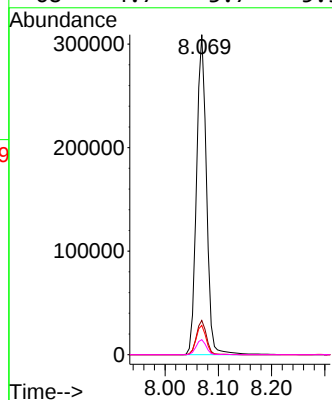
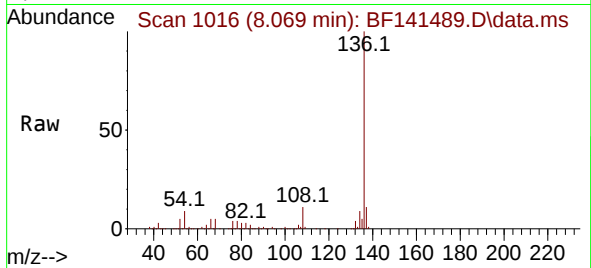




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141489.D
Acq: 06 Feb 2025 19:19

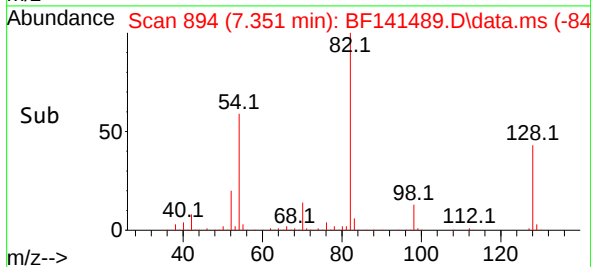
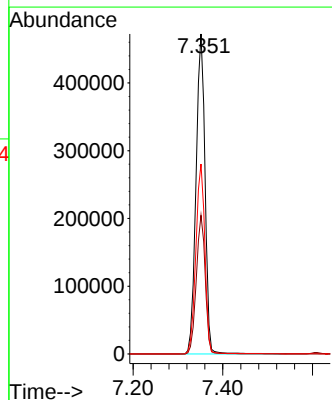
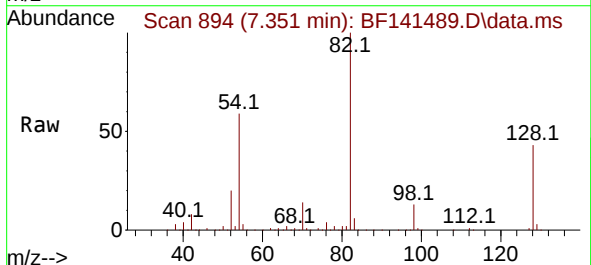
Instrument :
BNA_F
ClientSampleId :
WC-5

Tgt Ion:136	Resp: 401230
Ion Ratio	Lower Upper
136 100	
137 10.7	8.6 13.0
54 9.2	7.2 10.8
68 4.7	3.7 5.5



#23
Nitrobenzene-d5
Concen: 85.689 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141489.D
Acq: 06 Feb 2025 19:19

Tgt Ion: 82	Resp: 659166
Ion Ratio	Lower Upper
82 100	
128 43.3	34.8 52.2
54 59.4	48.2 72.4

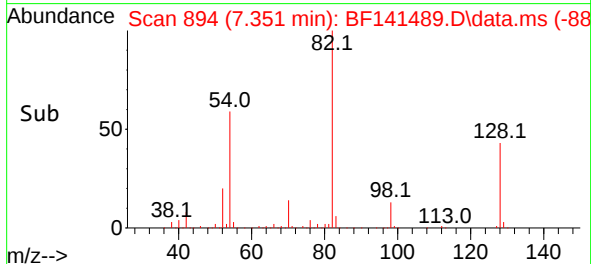
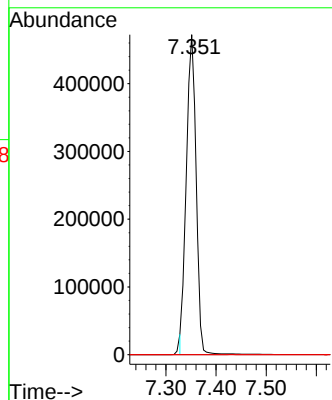
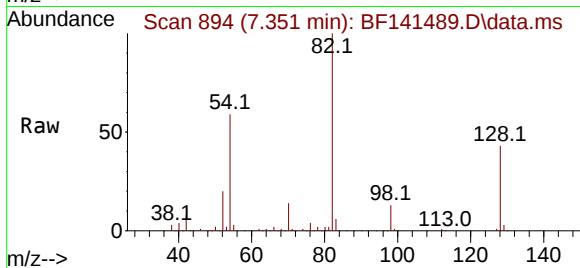




#25
Isophorone
Concen: 52.411 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141489.D
Acq: 06 Feb 2025 19:19

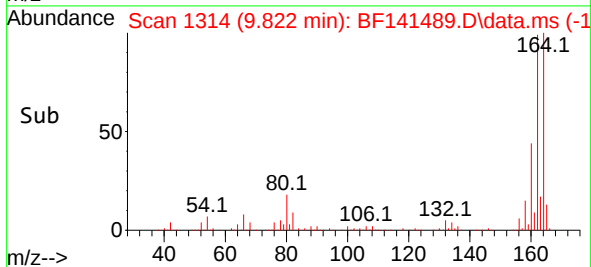
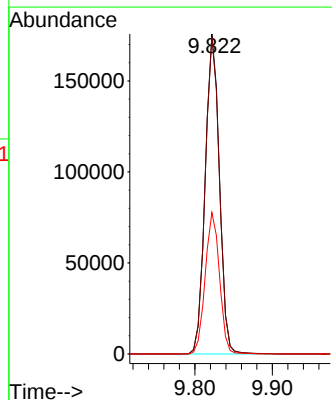
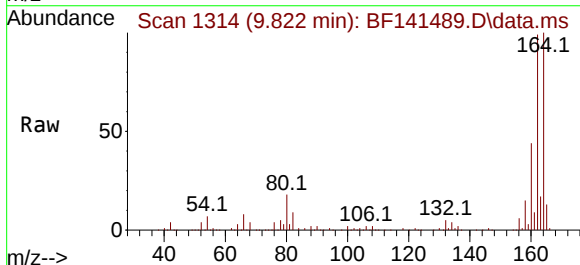
Instrument :
BNA_F
ClientSampleId :
WC-5

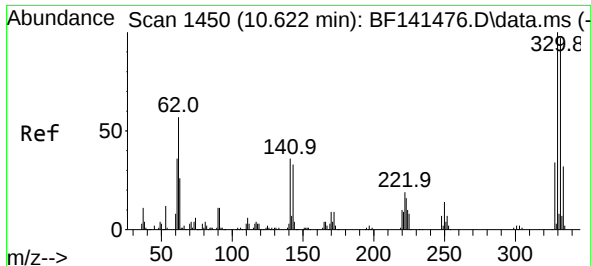
Tgt Ion: 82 Resp: 642844
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141489.D
Acq: 06 Feb 2025 19:19

Tgt Ion: 164 Resp: 223338
Ion Ratio Lower Upper
164 100
162 99.1 81.3 121.9
160 44.2 35.9 53.9

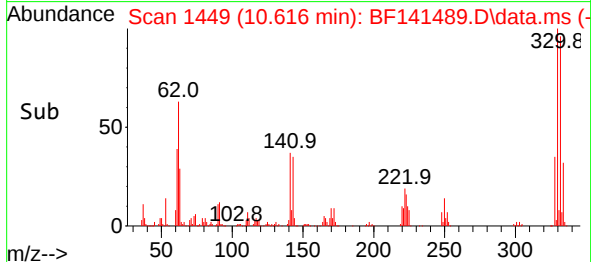
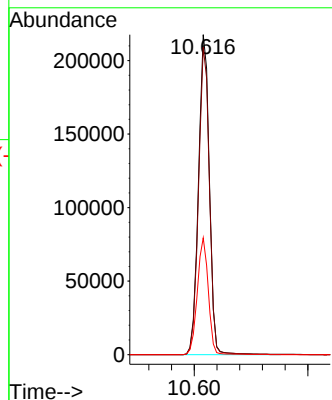
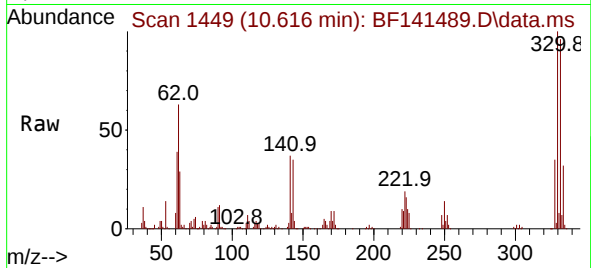




#42
 2,4,6-Tribromophenol
 Concen: 129.886 ng
 RT: 10.616 min Scan# 1449
 Delta R.T. -0.012 min
 Lab File: BF141489.D
 Acq: 06 Feb 2025 19:19

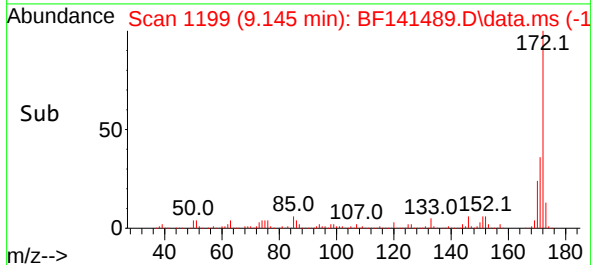
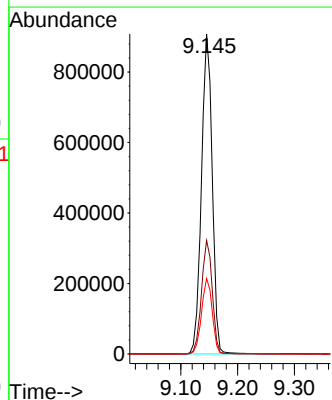
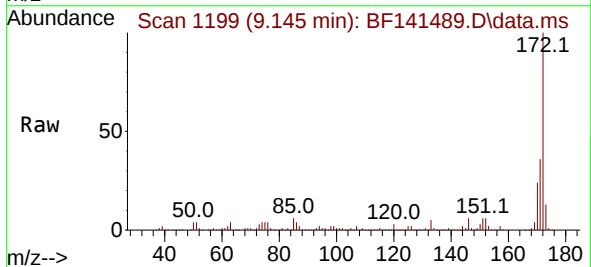
Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Tgt Ion: 330 Resp: 291403
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.5 117.7
 141 36.7 31.0 46.4



#45
 2-Fluorobiphenyl
 Concen: 82.594 ng
 RT: 9.145 min Scan# 1199
 Delta R.T. -0.006 min
 Lab File: BF141489.D
 Acq: 06 Feb 2025 19:19

Tgt Ion: 172 Resp: 1197316
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.7 43.1
 170 23.6 18.9 28.3

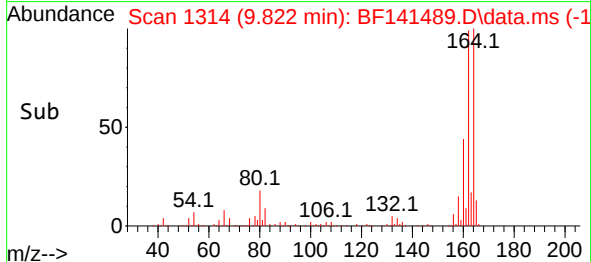
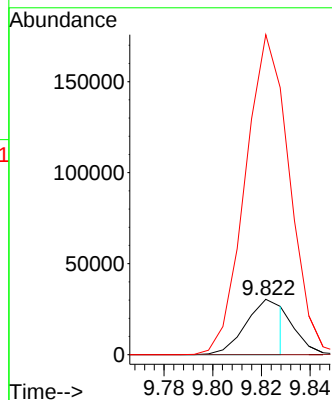
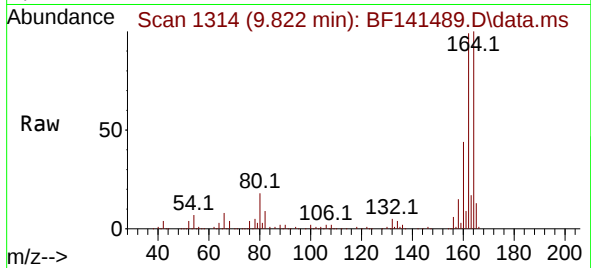




#50
Dimethylphthalate
Concen: 2.133 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141489.D
Acq: 06 Feb 2025 19:19

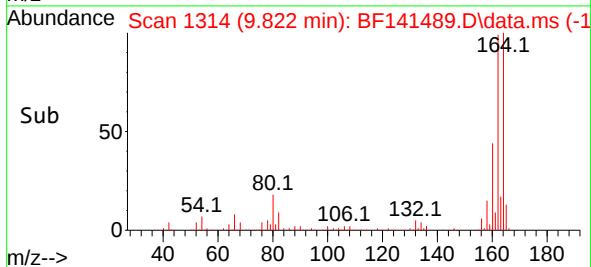
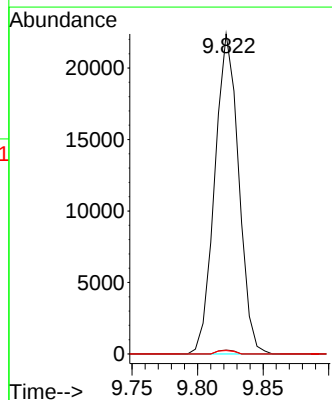
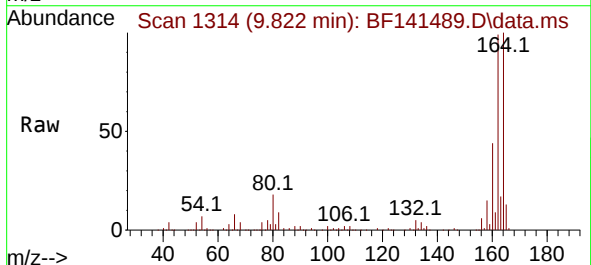
Instrument :
BNA_F
ClientSampleId :
WC-5

Tgt Ion:163 Resp: 32336
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 578.0 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.559 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141489.D
Acq: 06 Feb 2025 19:19

Tgt Ion:165 Resp: 28370
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.0#
89 1.0 46.5 69.7#

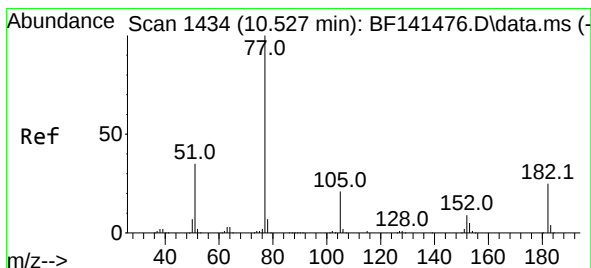
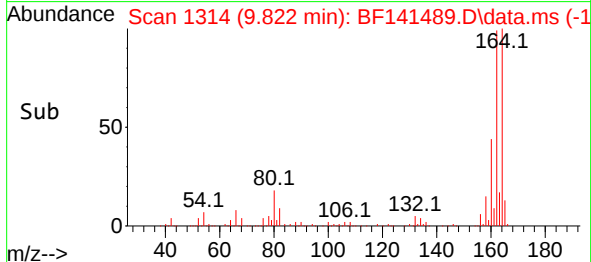
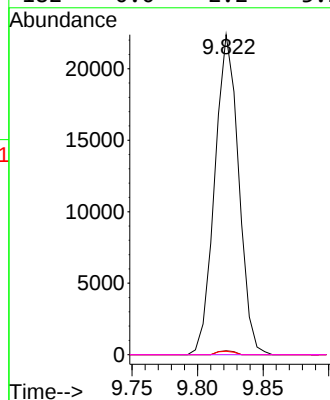
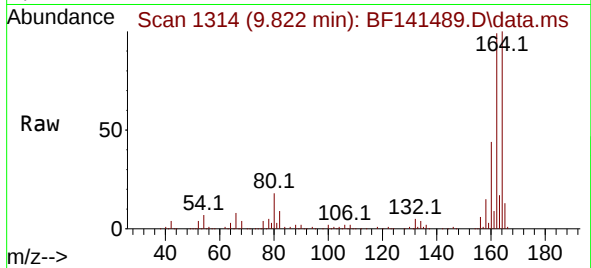




#57
2,4-Dinitrotoluene
Concen: 6.430 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141489.D
Acq: 06 Feb 2025 19:19

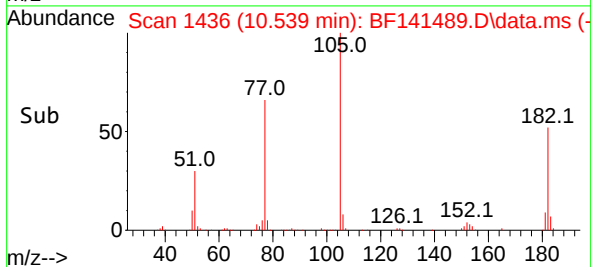
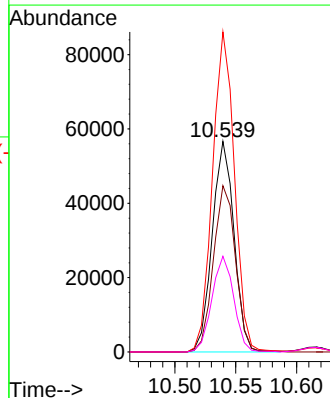
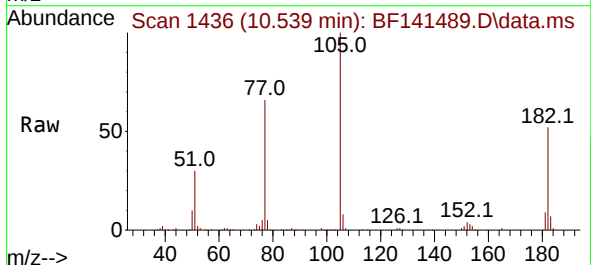
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ClientSampleId :
WC-5

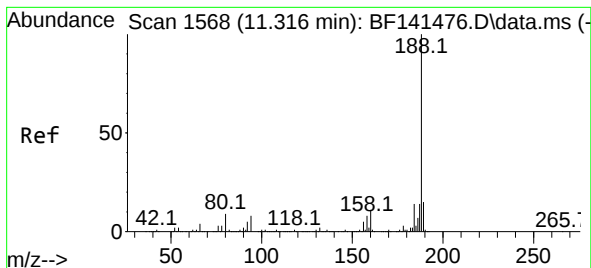
Tgt Ion:165 Resp: 28370
Ion Ratio Lower Upper
165 100
63 1.2 46.4 69.6#
89 1.0 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 4.757 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF141489.D
Acq: 06 Feb 2025 19:19

Tgt Ion: 77 Resp: 70548
Ion Ratio Lower Upper
77 100
182 79.0 4.7 44.7#
105 152.0 0.4 40.4#
51 45.5 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141489.D

Acq: 06 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

WC-5

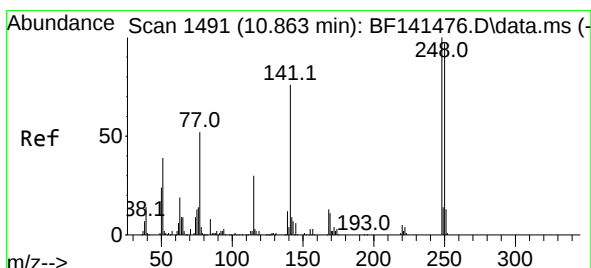
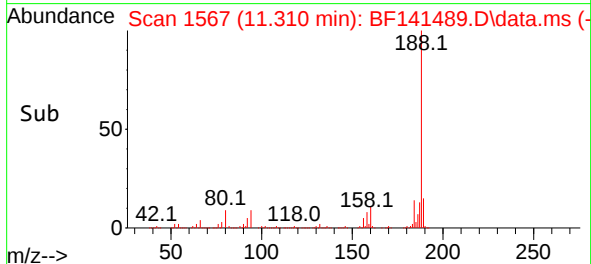
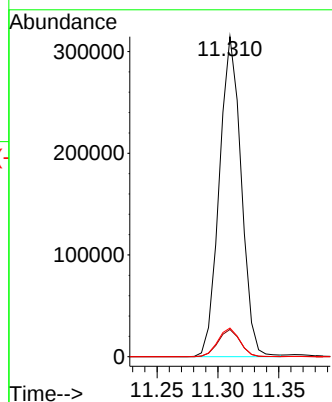
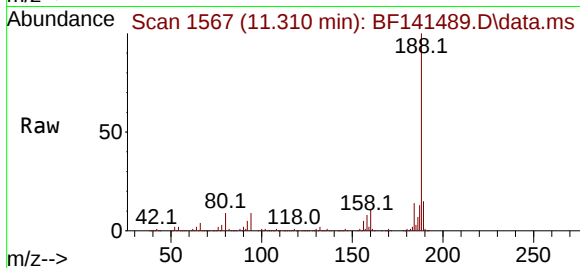
Tgt Ion:188 Resp: 394320

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.0 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.807 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.247 min

Lab File: BF141489.D

Acq: 06 Feb 2025 19:19

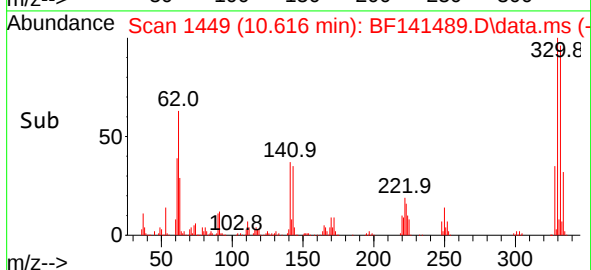
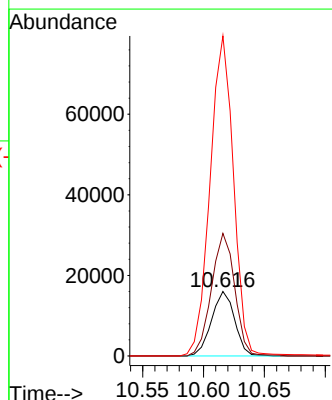
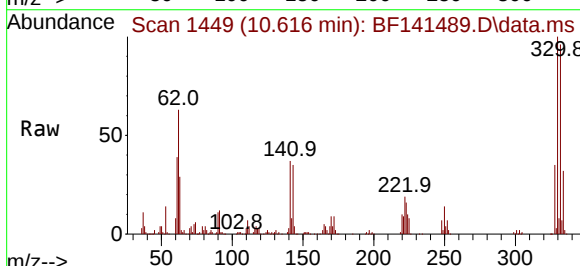
Tgt Ion:248 Resp: 21185

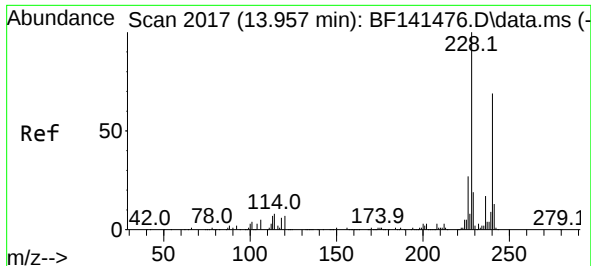
Ion Ratio Lower Upper

248 100

250 190.0 77.8 116.6#

141 496.1 60.6 90.8#

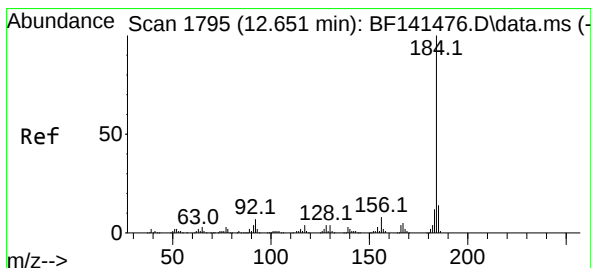
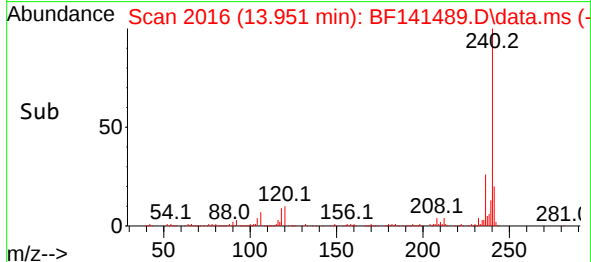
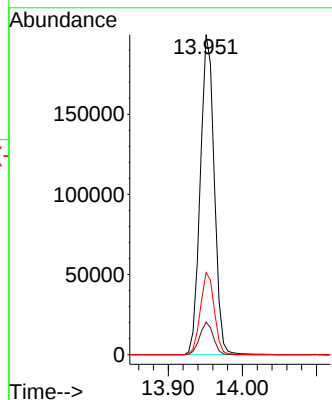
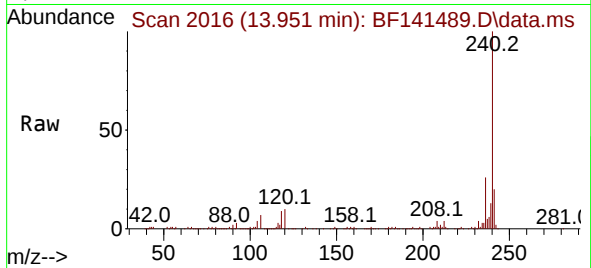




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141489.D
Acq: 06 Feb 2025 19:19

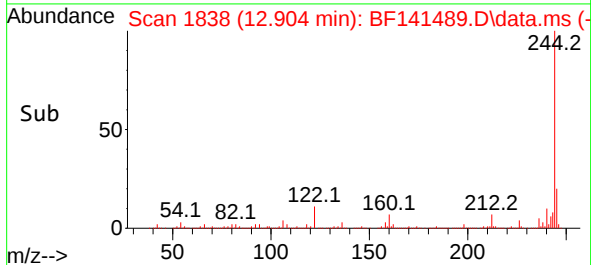
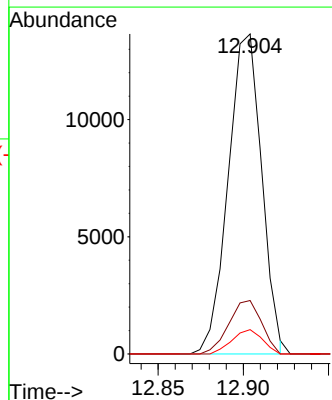
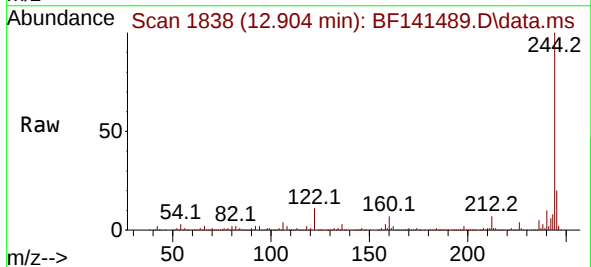
Instrument :
BNA_F
ClientSampleId :
WC-5

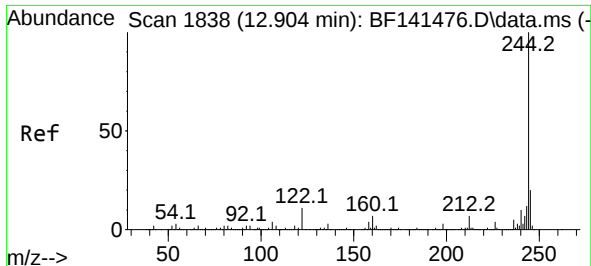
Tgt Ion:240 Resp: 261692
Ion Ratio Lower Upper
240 100
120 10.2 8.0 12.0
236 25.6 19.8 29.8



#77
Benzidine
Concen: 3.227 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.247 min
Lab File: BF141489.D
Acq: 06 Feb 2025 19:19

Tgt Ion:184 Resp: 18623
Ion Ratio Lower Upper
184 100
185 16.7 11.3 16.9
183 7.6 9.3 13.9#

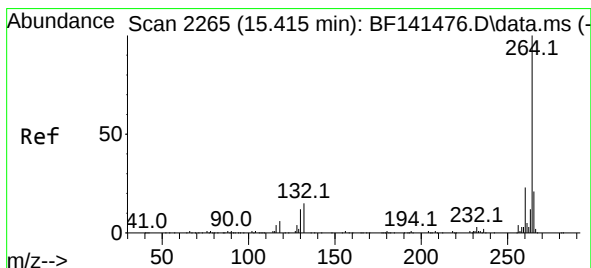
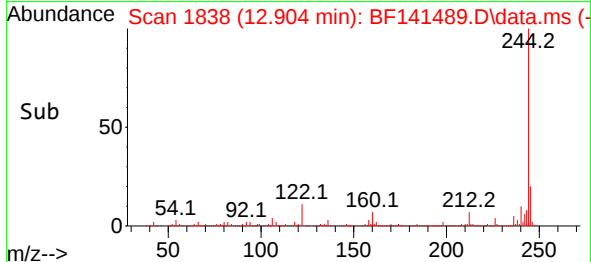
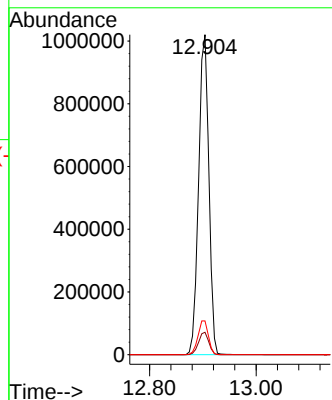
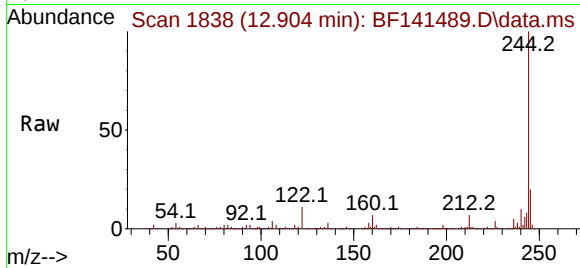




#79
 Terphenyl-d14
 Concen: 87.997 ng
 RT: 12.904 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF141489.D
 Acq: 06 Feb 2025 19:19

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Tgt Ion:244 Resp: 1364087
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.6 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2264
 Delta R.T. -0.006 min
 Lab File: BF141489.D
 Acq: 06 Feb 2025 19:19

Tgt Ion:264 Resp: 206631
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.6 28.0
 265 21.5 17.0 25.4

