

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062024\
 Data File : BF138268.D
 Acq On : 20 Jun 2024 18:12
 Operator : CG\JU
 Sample : P2955-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VK-1

Quant Time: Jun 20 18:35:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

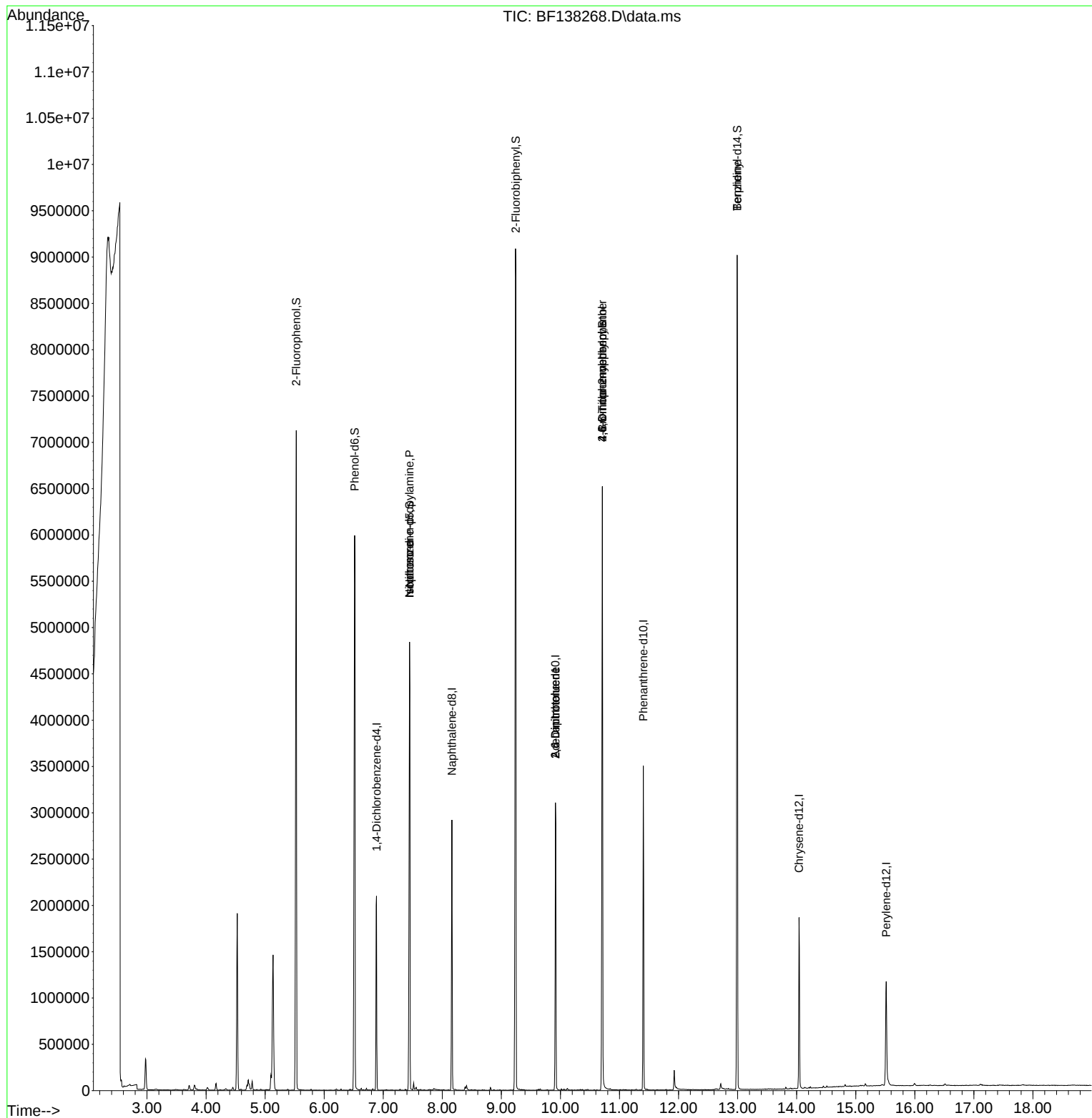
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	319277	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	1241254	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	705832	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	1213989	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	612988	20.000	ng	-0.01
86) Perylene-d12	15.515	264	576271	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2258422	118.328	ng	0.02
7) Phenol-d6	6.516	99	2682454	110.837	ng	0.00
23) Nitrobenzene-d5	7.445	82	1851864	86.855	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	913600	130.018	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	3380260	76.153	ng	0.00
79) Terphenyl-d14	12.992	244	3401033	87.875	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	250570	17.466	ng	# 76
25) Isophorone	7.445	82	1847532	47.906	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	92015	9.808	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	92015	7.952	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.710	198	2246	7.245	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	58130	4.249	ng	# 1
77) Benzidine	12.992	184	43028	6.069	ng	# 94

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

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Quant Time: Jun 20 18:35:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration

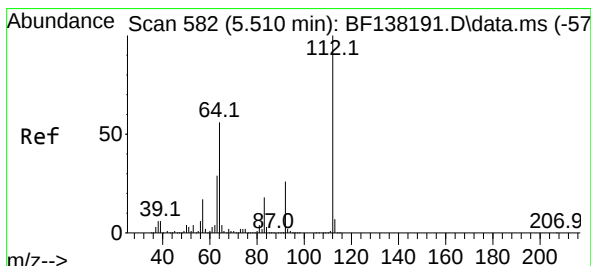
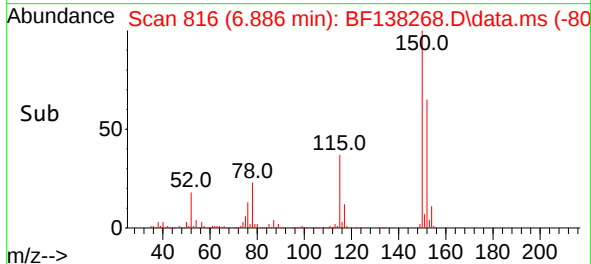
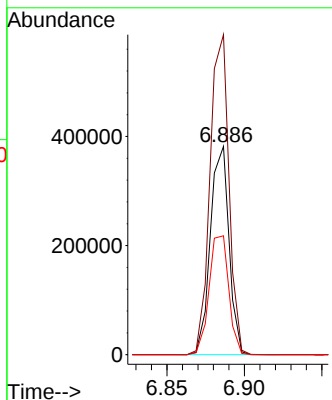
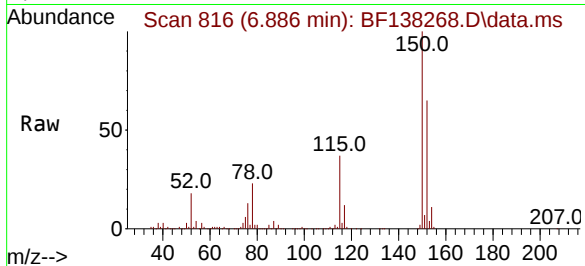




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 81
Delta R.T. -0.007 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

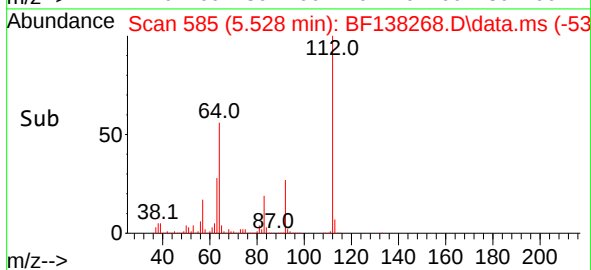
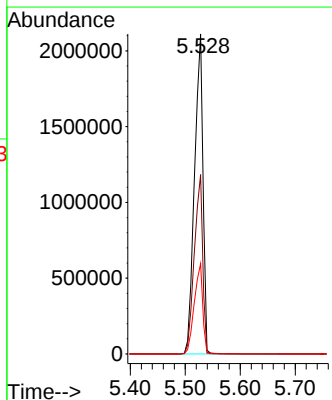
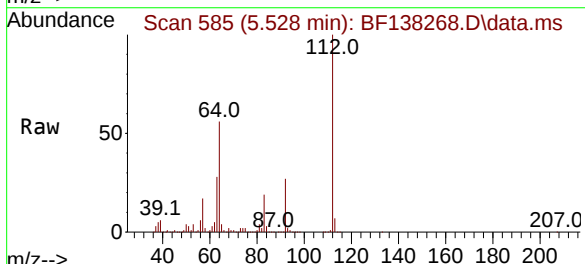
Instrument :
BNA_F
ClientSampleId :
VK-1

Tgt Ion:152 Resp: 319277
Ion Ratio Lower Upper
152 100
150 153.6 125.0 187.4
115 57.1 48.4 72.6



#5
2-Fluorophenol
Concen: 118.328 ng
RT: 5.528 min Scan# 585
Delta R.T. 0.017 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

Tgt Ion:112 Resp: 2258422
Ion Ratio Lower Upper
112 100
64 56.1 45.2 67.8
63 28.2 22.9 34.3

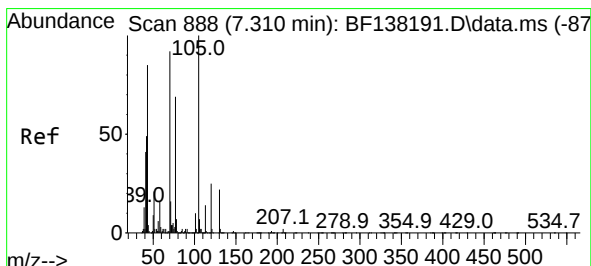
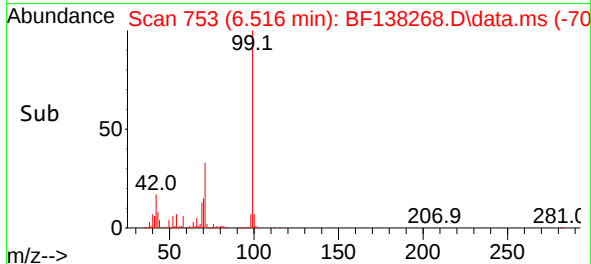
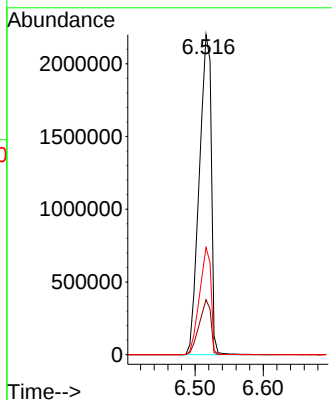
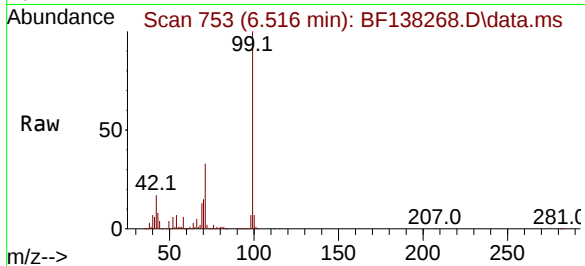




#7
Phenol-d6
Concen: 110.837 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

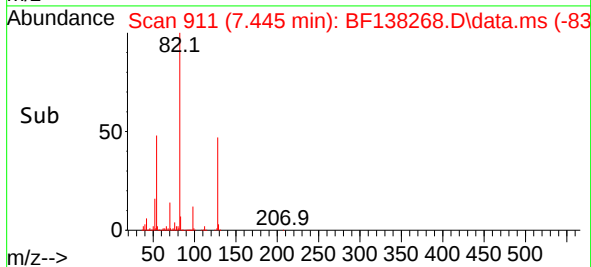
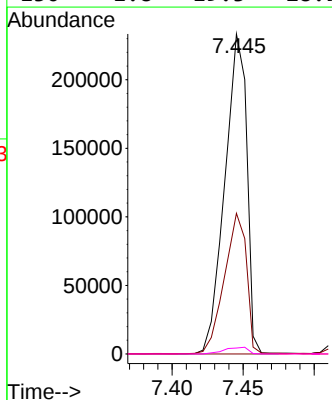
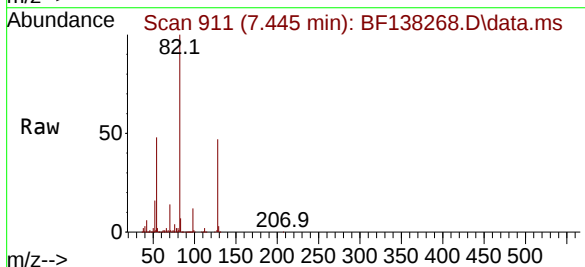
Instrument :
BNA_F
ClientSampleId :
VK-1

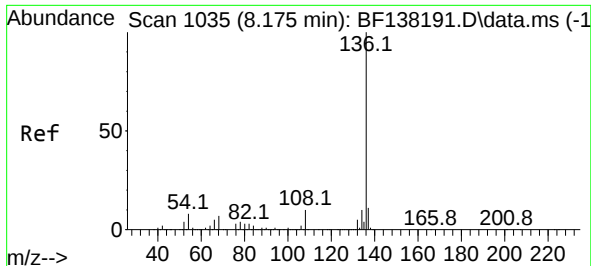
Tgt Ion: 99 Resp: 2682454
Ion Ratio Lower Upper
99 100
42 17.2 13.7 20.5
71 33.5 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 17.466 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

Tgt Ion: 70 Resp: 250570
Ion Ratio Lower Upper
70 100
42 44.0 42.8 64.2
101 0.0 8.4 12.6#
130 1.8 19.3 28.9#



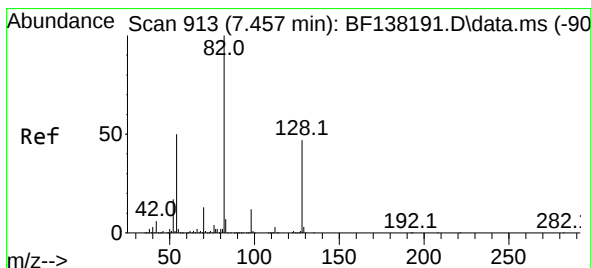
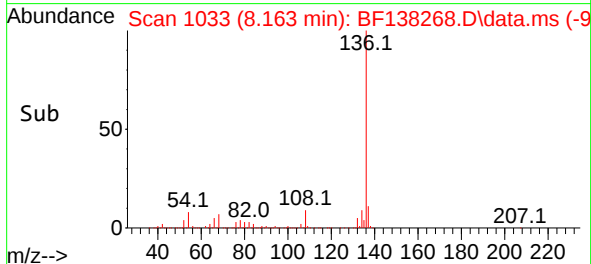
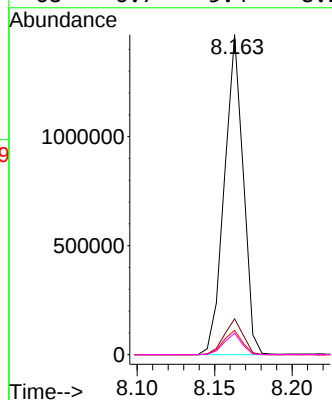
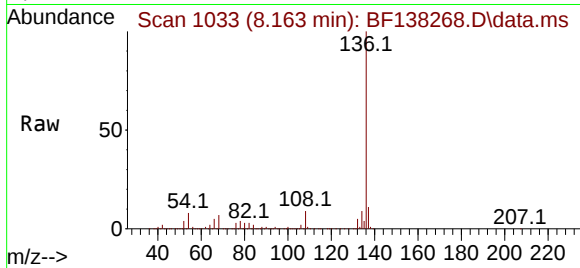


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

Instrument :
BNA_F
ClientSampleId :
VK-1

Tgt Ion:136 Resp: 1241254

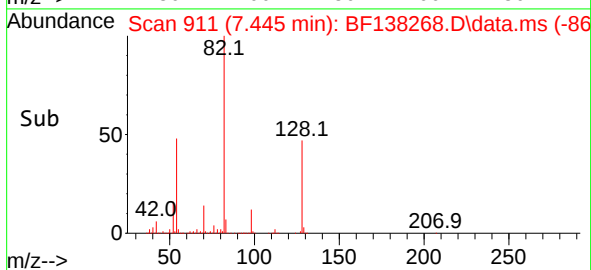
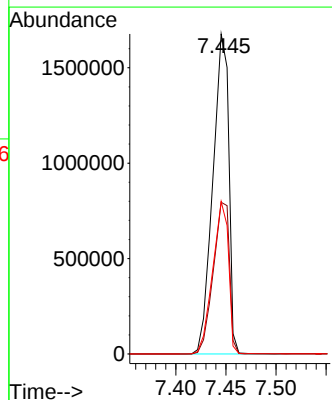
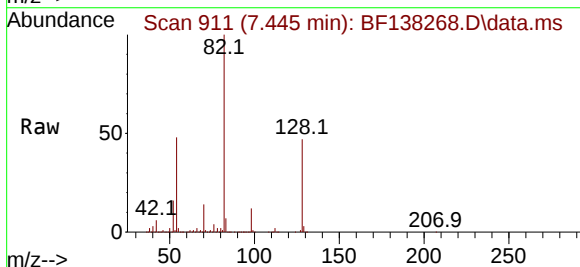
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.6	6.6	10.0
68	6.7	5.4	8.2



#23
Nitrobenzene-d5
Concen: 86.855 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

Tgt Ion: 82 Resp: 1851864

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.2	55.8
54	47.7	39.8	59.6

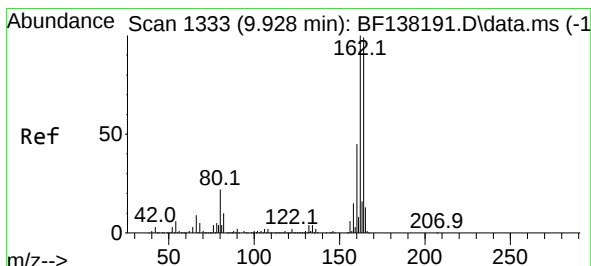
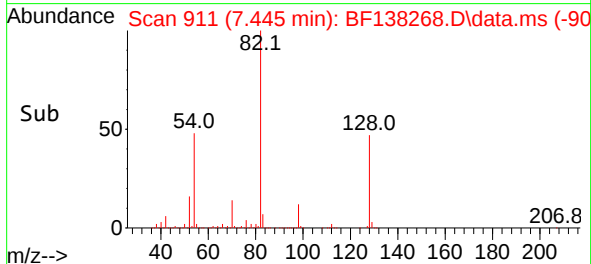
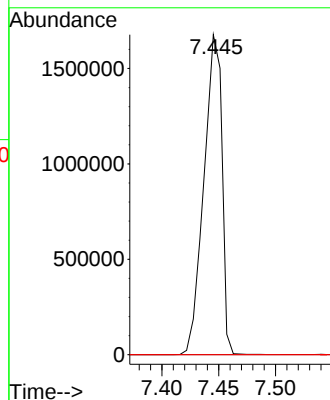
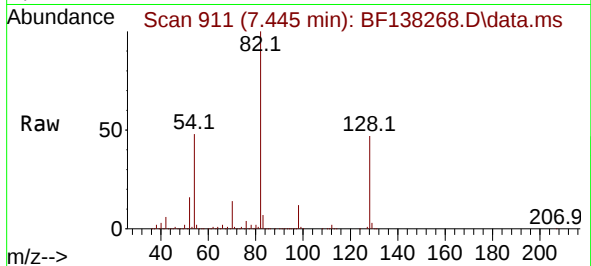




#25
Isophorone
Concen: 47.906 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

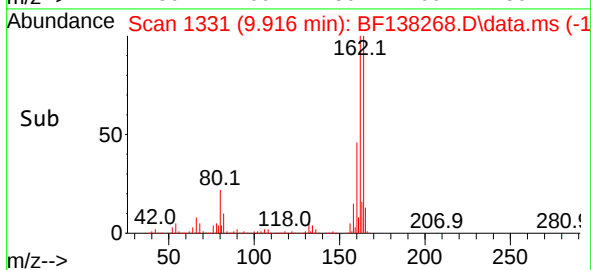
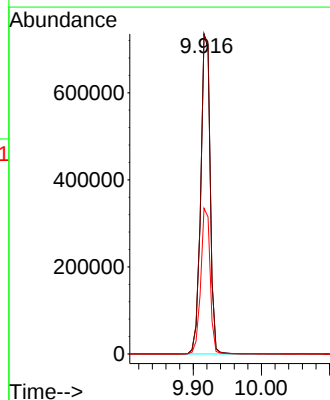
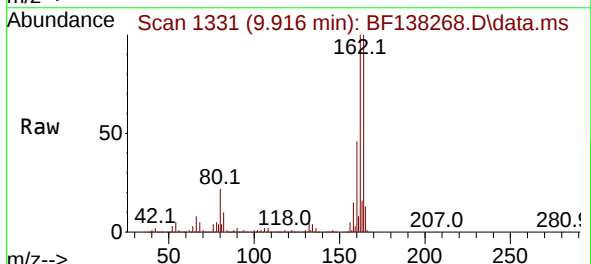
Instrument :
BNA_F
ClientSampleId :
VK-1

Tgt Ion: 82 Resp: 1847532
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

Tgt Ion:164 Resp: 705832
Ion Ratio Lower Upper
164 100
162 99.8 80.6 121.0
160 45.5 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 130.018 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF138268.D

Acq: 20 Jun 2024 18:12

Instrument :

BNA_F

ClientSampleId :

VK-1

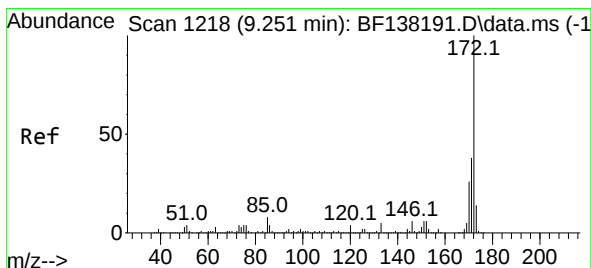
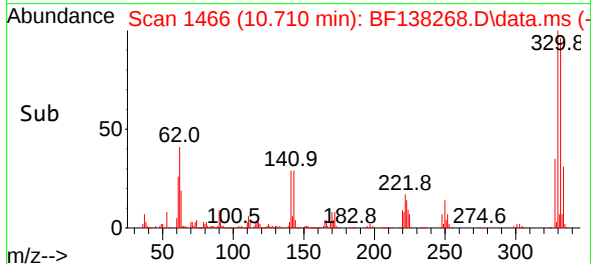
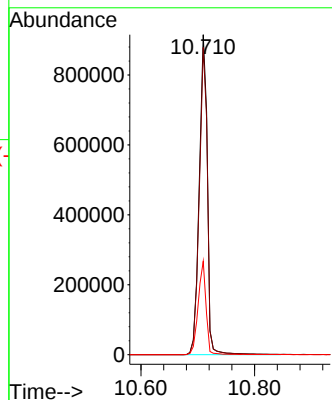
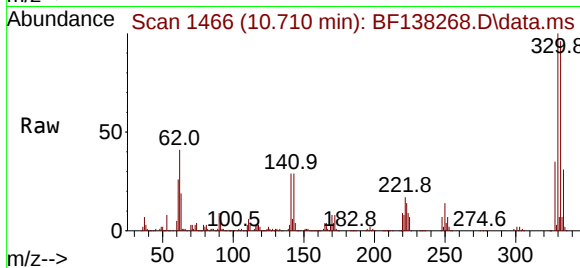
Tgt Ion:330 Resp: 913600

Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

141 28.7 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 76.153 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF138268.D

Acq: 20 Jun 2024 18:12

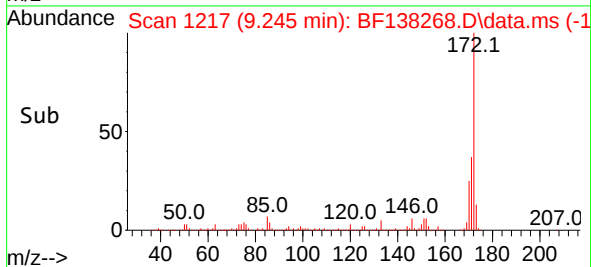
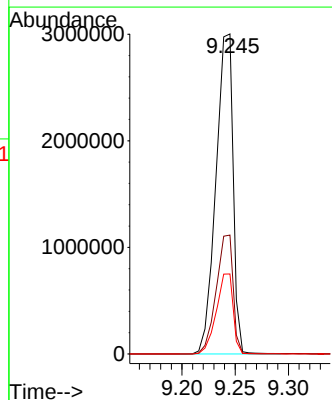
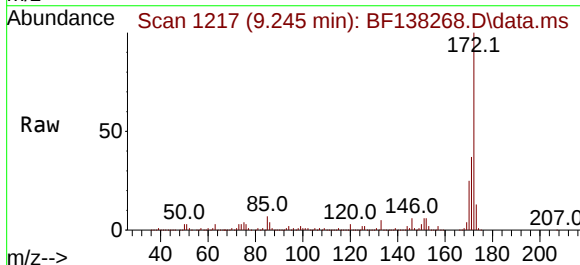
Tgt Ion:172 Resp: 3380260

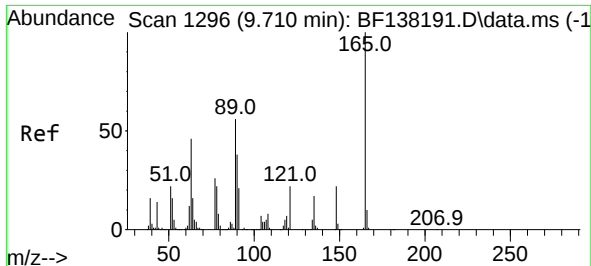
Ion Ratio Lower Upper

172 100

171 37.2 30.3 45.5

170 25.0 20.6 30.8

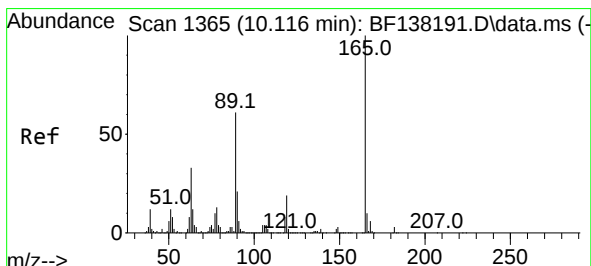
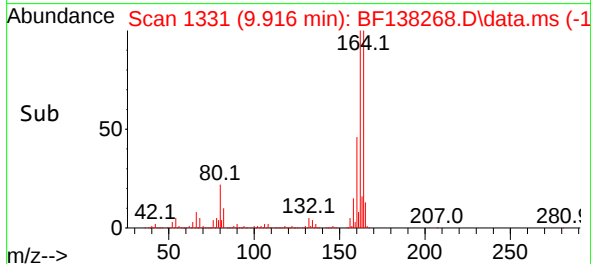
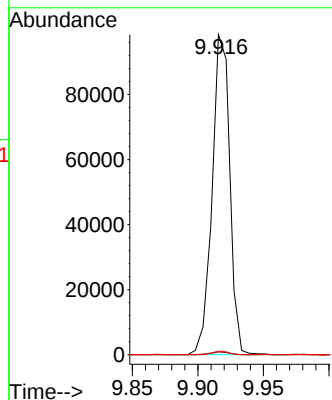
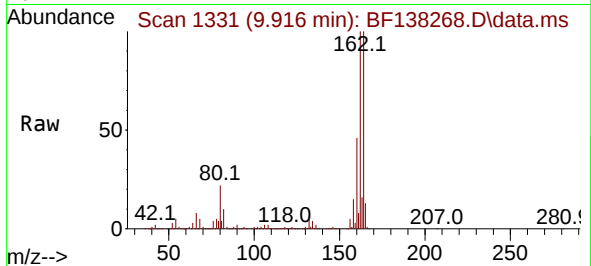




#51
2,6-Dinitrotoluene
Concen: 9.808 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.206 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

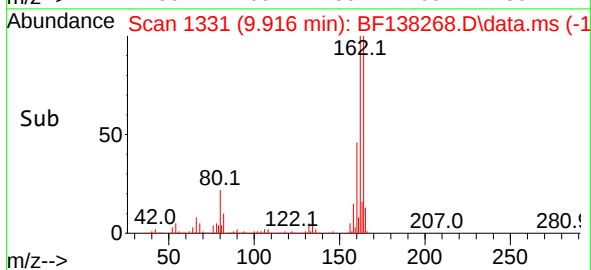
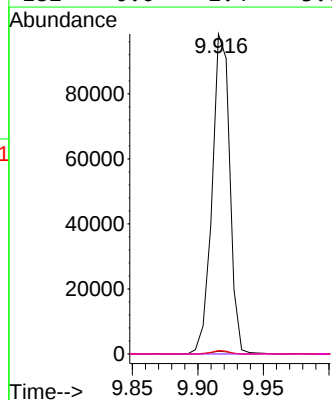
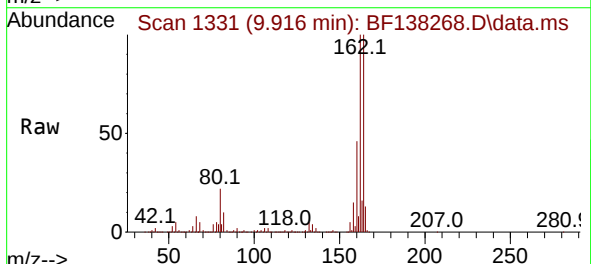
Instrument :
BNA_F
ClientSampleId :
VK-1

Tgt Ion:165 Resp: 92015
Ion Ratio Lower Upper
165 100
63 0.8 43.7 65.5#
89 1.1 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 7.952 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.200 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

Tgt Ion:165 Resp: 92015
Ion Ratio Lower Upper
165 100
63 0.8 26.6 39.8#
89 1.1 48.7 73.1#
182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138268.D

Acq: 20 Jun 2024 18:12

Instrument :

BNA_F

ClientSampleId :

VK-1

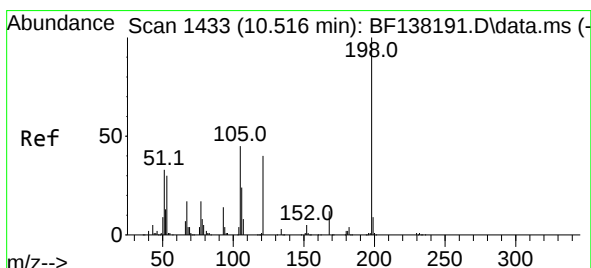
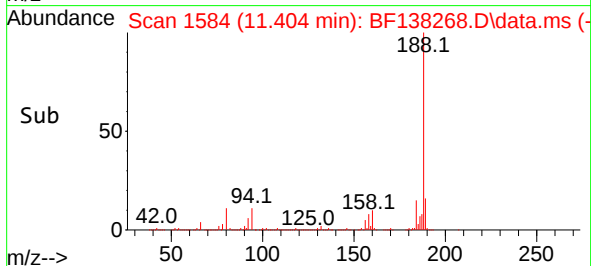
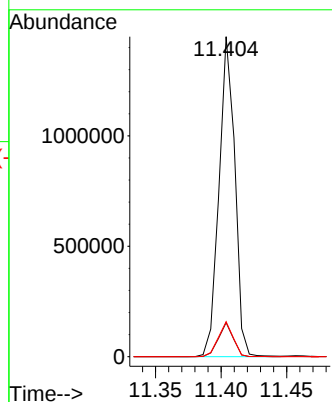
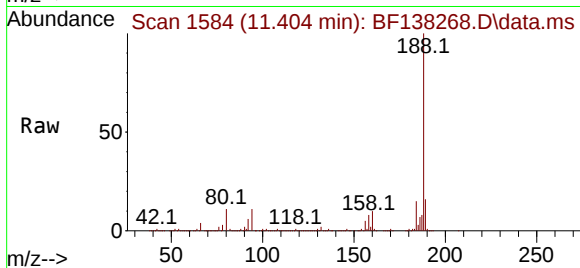
Tgt Ion:188 Resp: 1213989

Ion Ratio Lower Upper

188 100

94 10.6 7.6 11.4

80 10.9 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.245 ng

RT: 10.710 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF138268.D

Acq: 20 Jun 2024 18:12

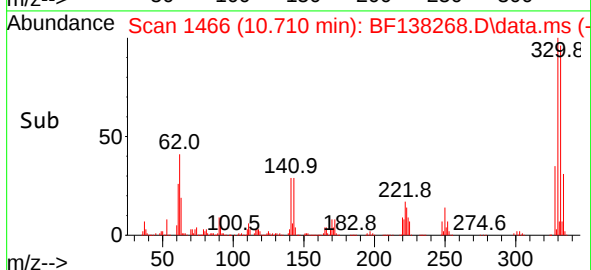
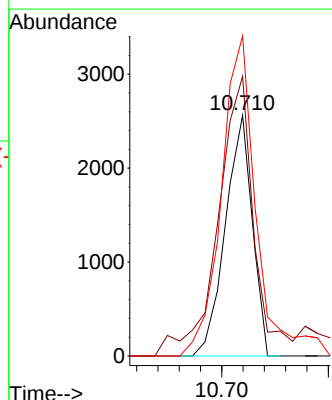
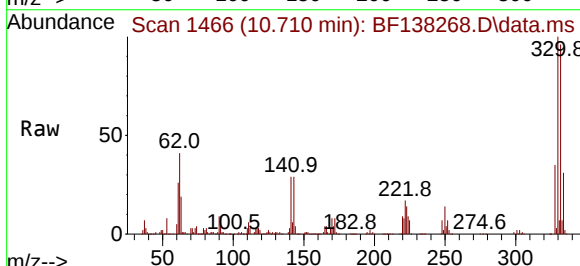
Tgt Ion:198 Resp: 2246

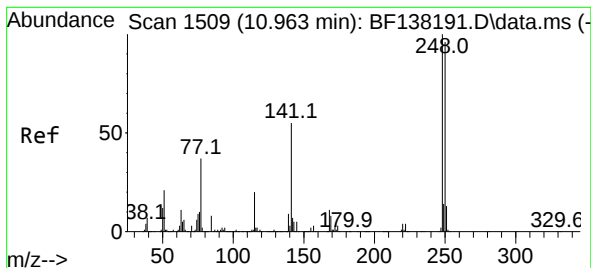
Ion Ratio Lower Upper

198 100

51 116.2 26.9 66.9#

105 132.9 26.0 66.0#

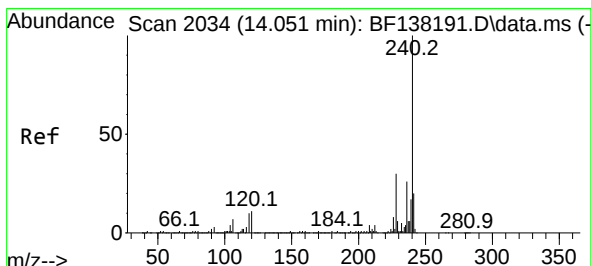
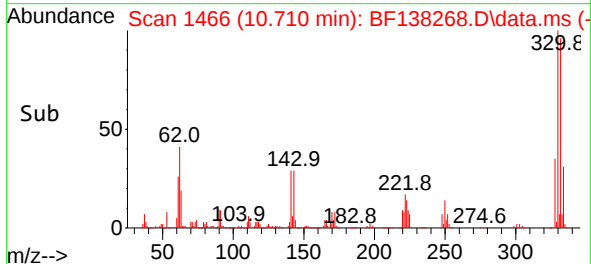
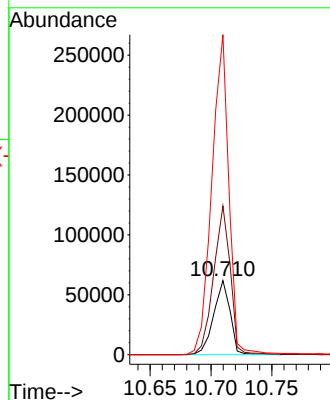
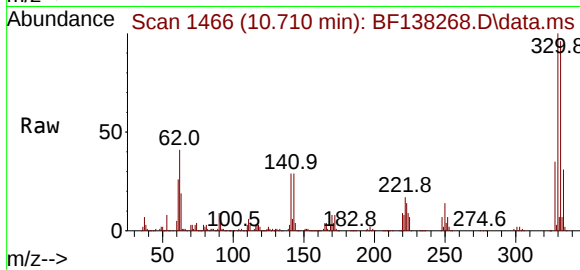




#67
4-Bromophenyl-phenylether
Concen: 4.249 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.253 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

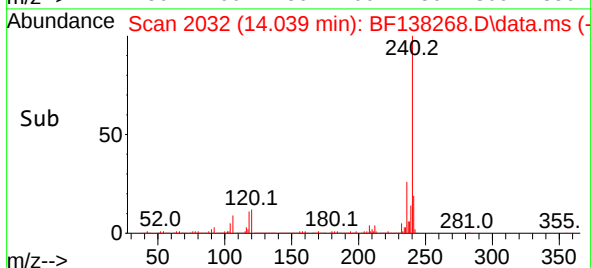
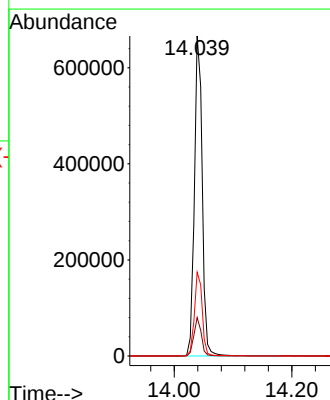
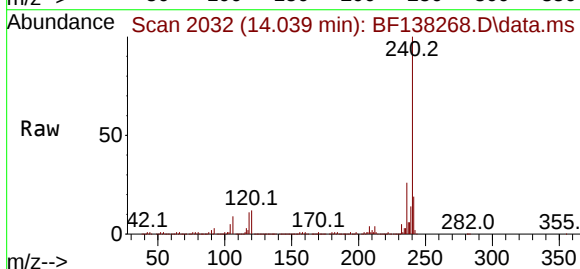
Instrument :
BNA_F
ClientSampleId :
VK-1

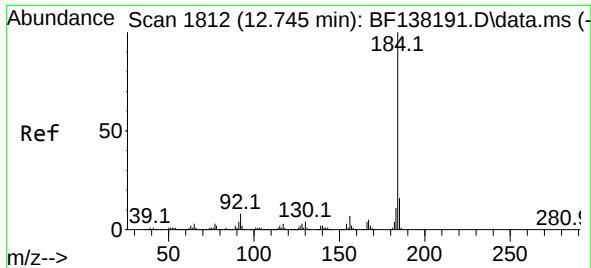
Tgt Ion:248 Resp: 58130
Ion Ratio Lower Upper
248 100
250 200.9 77.2 115.8#
141 432.1 44.1 66.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

Tgt Ion:240 Resp: 612988
Ion Ratio Lower Upper
240 100
120 12.0 9.2 13.8
236 26.2 21.0 31.6

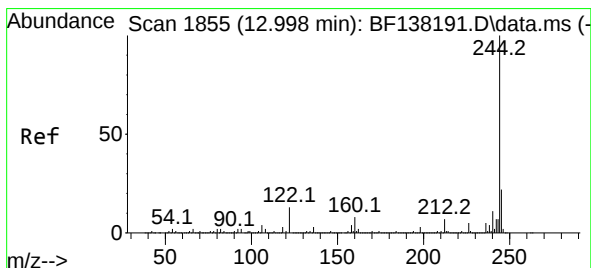
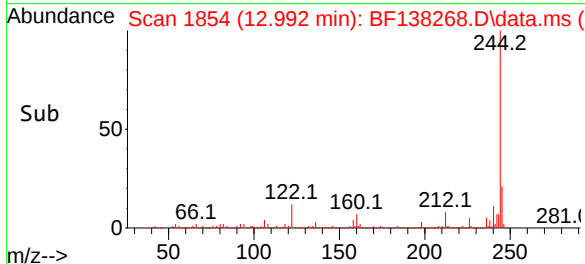
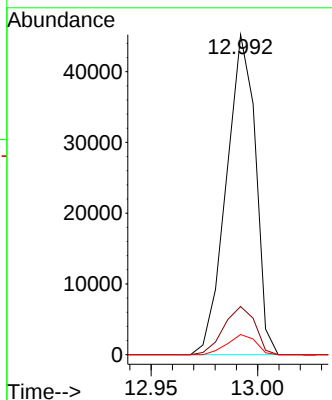
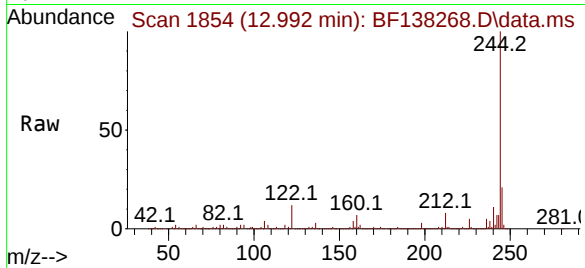




#77
Benzidine
Concen: 6.069 ng
RT: 12.992 min Scan# 1854
Delta R.T. 0.247 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

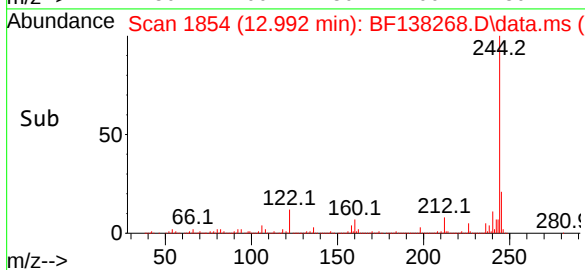
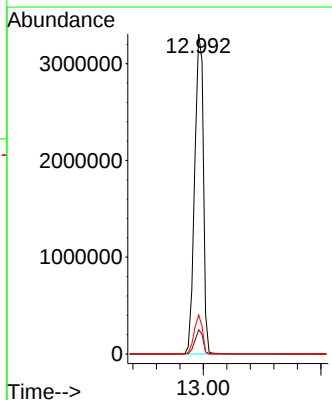
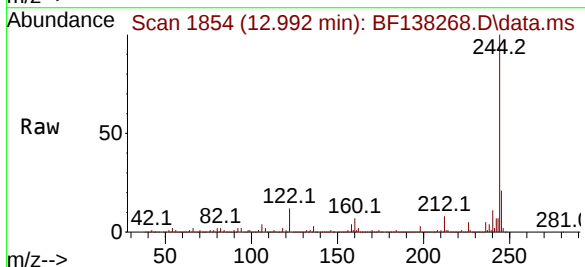
Instrument :
BNA_F
ClientSampleId :
VK-1

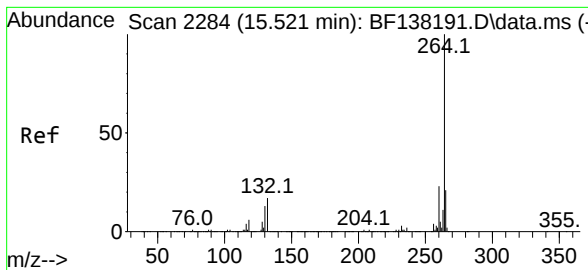
Tgt Ion:184 Resp: 43028
Ion Ratio Lower Upper
184 100
185 15.0 12.6 19.0
183 6.3 9.0 13.6#



#79
Terphenyl-d14
Concen: 87.875 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.006 min
Lab File: BF138268.D
Acq: 20 Jun 2024 18:12

Tgt Ion:244 Resp: 3401033
Ion Ratio Lower Upper
244 100
212 7.6 5.9 8.9
122 12.2 10.6 15.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF138268.D
 Acq: 20 Jun 2024 18:12

Instrument :
 BNA_F
 ClientSampleId :
 VK-1

Tgt Ion:264 Resp: 576271

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	21.6	17.0	25.6

