

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080624\
 Data File : BF138830.D
 Acq On : 07 Aug 2024 03:40
 Operator : RC/JU
 Sample : P3464-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL

Quant Time: Aug 07 04:47:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

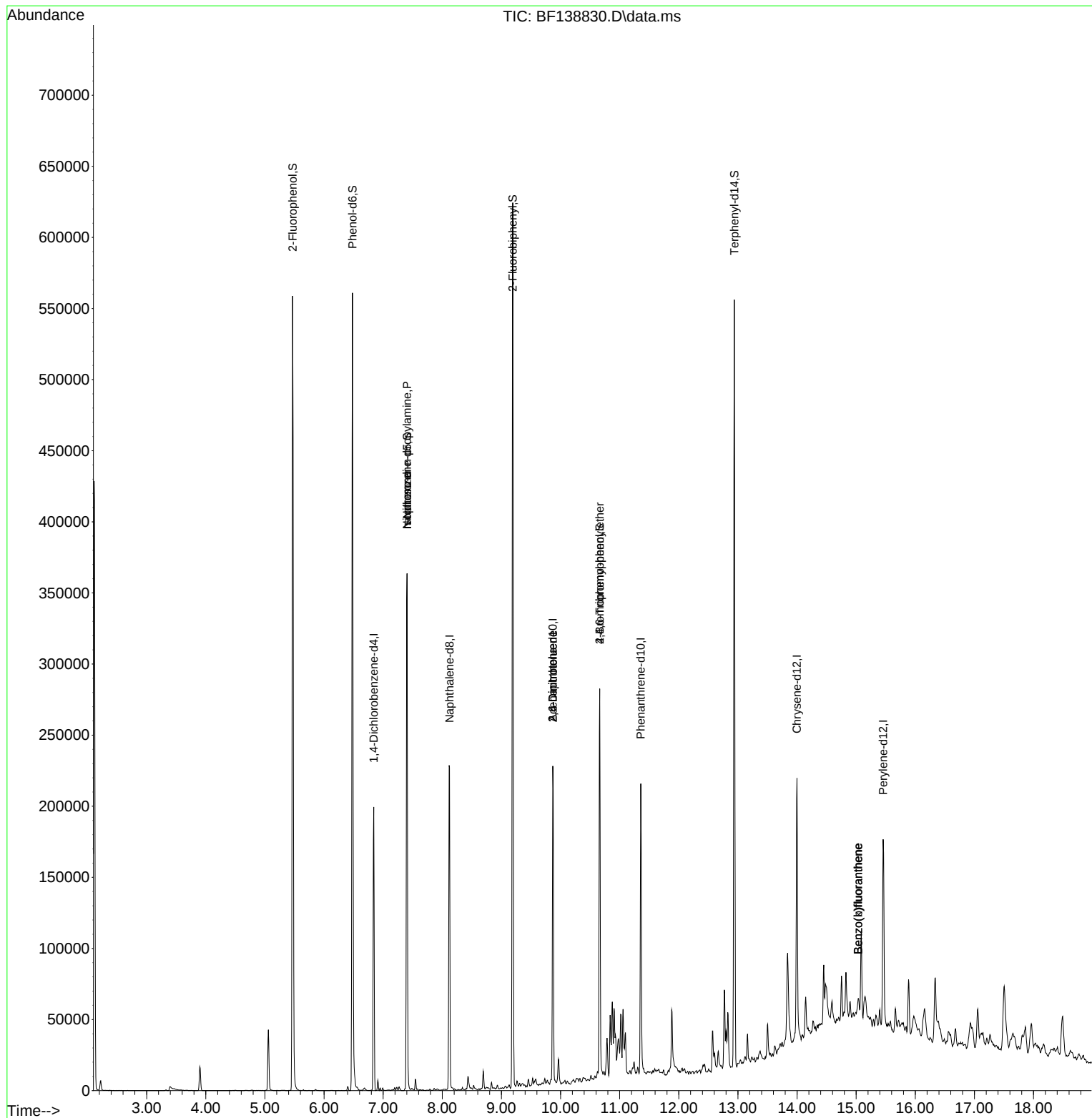
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	38173	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	140300	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	63152	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	97745	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	78214	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	60566	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	187910	75.988	ng	0.00
7) Phenol-d6	6.481	99	235372	70.892	ng	0.00
23) Nitrobenzene-d5	7.404	82	151694	52.862	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	39282	75.937	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	252764	60.137	ng	-0.01
79) Terphenyl-d14	12.939	244	241783	51.757	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	20723	10.334	ng	# 75
25) Isophorone	7.404	82	150135	30.640	ng	# 66
51) 2,6-Dinitrotoluene	9.869	165	8342	9.154	ng	# 19
57) 2,4-Dinitrotoluene	9.869	165	8342	7.175	ng	# 16
67) 4-Bromophenyl-phenylether	10.663	248	2850	2.693	ng	# 1
88) Benzo(b)fluoranthene	15.033	252	10526	2.804	ng	# 81
89) Benzo(k)fluoranthene	15.033	252	10526	3.238	ng	# 81

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

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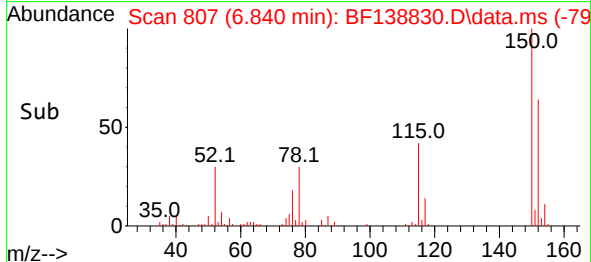
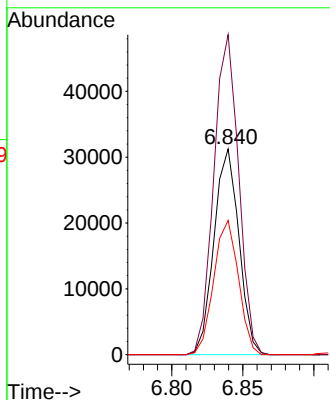
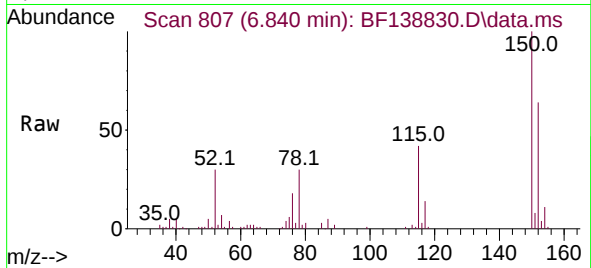




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF138830.D
Acq: 07 Aug 2024 03:40

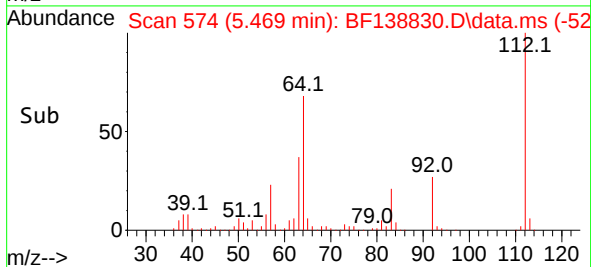
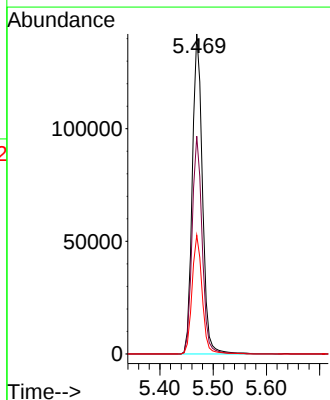
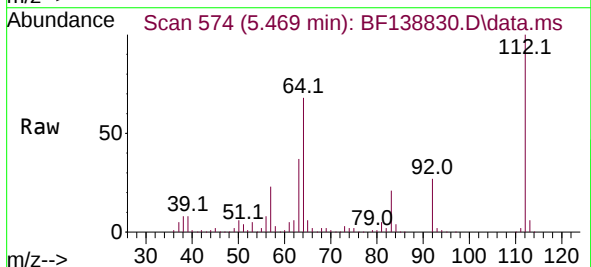
Instrument :
BNA_F
ClientSampleId :
TOPSOIL

Tgt Ion:152 Resp: 38173
Ion Ratio Lower Upper
152 100
150 155.5 126.0 189.0
115 65.2 51.7 77.5



#5
2-Fluorophenol
Concen: 75.988 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138830.D
Acq: 07 Aug 2024 03:40

Tgt Ion:112 Resp: 187910
Ion Ratio Lower Upper
112 100
64 68.0 54.2 81.4
63 37.1 28.7 43.1

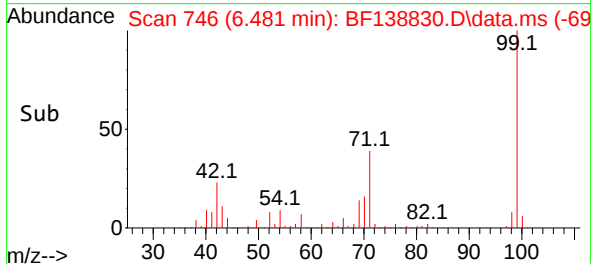
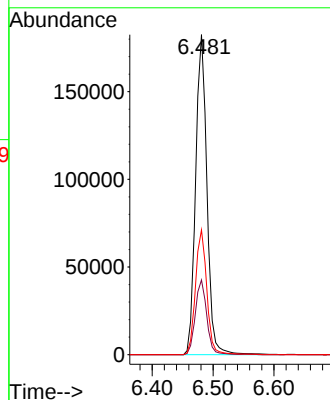
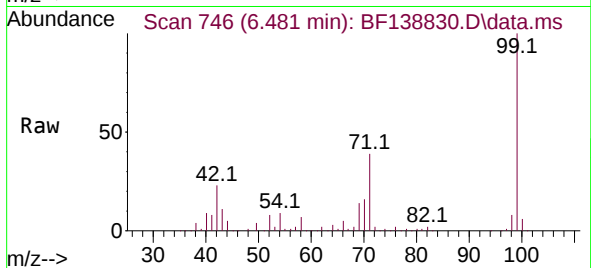




#7
Phenol-d6
Concen: 70.892 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138830.D
Acq: 07 Aug 2024 03:40

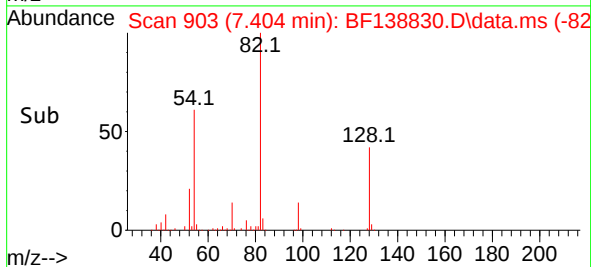
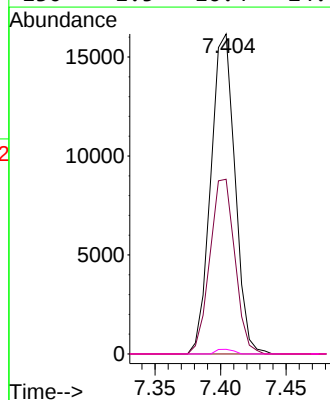
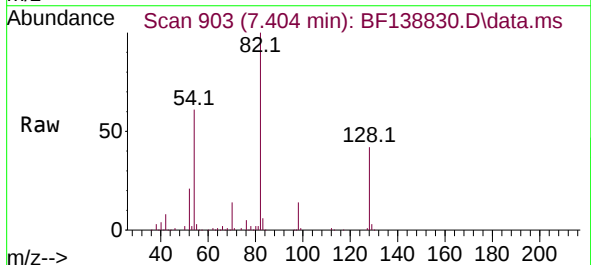
Instrument :
BNA_F
ClientSampleId :
TOPSOIL

Tgt Ion: 99 Resp: 235372
Ion Ratio Lower Upper
99 100
42 23.3 17.4 26.0
71 39.0 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 10.334 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138830.D
Acq: 07 Aug 2024 03:40

Tgt Ion: 70 Resp: 20723
Ion Ratio Lower Upper
70 100
42 54.6 57.4 86.0#
101 0.0 7.5 11.3#
130 1.5 16.4 24.6#

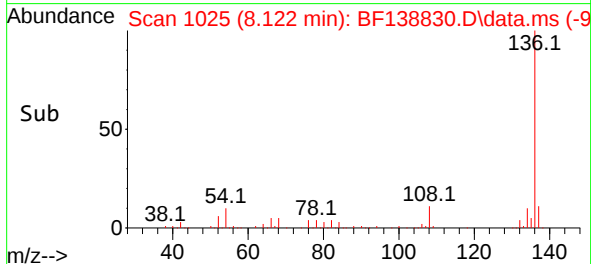
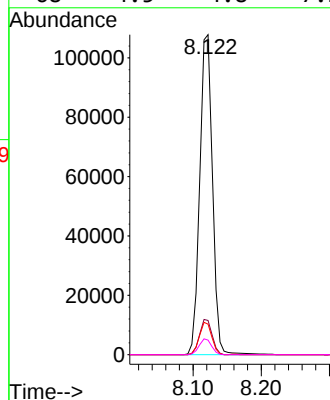
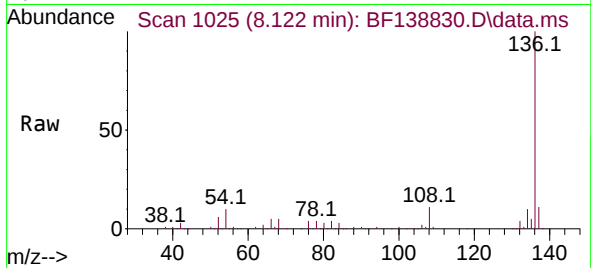




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF138830.D
Acq: 07 Aug 2024 03:40

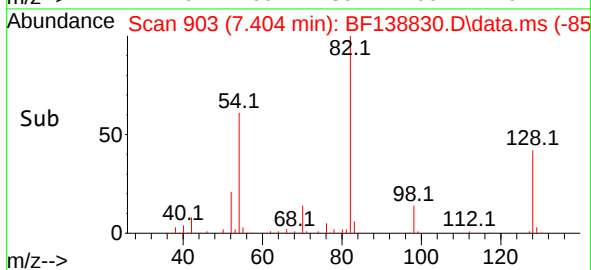
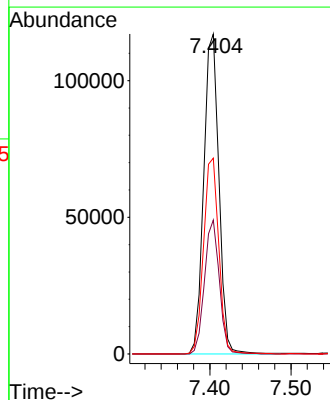
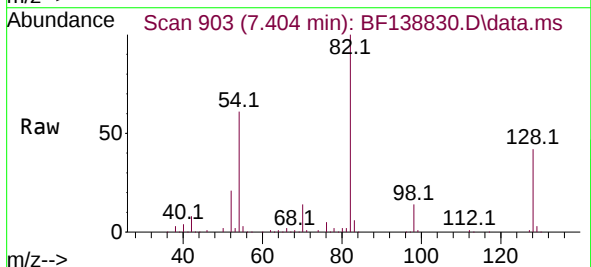
Instrument :
BNA_F
ClientSampleId :
TOPSOIL

Tgt Ion:136 Resp: 140300
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 9.6 8.6 12.8
68 4.5 4.8 7.2#



#23
Nitrobenzene-d5
Concen: 52.862 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138830.D
Acq: 07 Aug 2024 03:40

Tgt Ion: 82 Resp: 151694
Ion Ratio Lower Upper
82 100
128 41.8 32.8 49.2
54 61.2 48.3 72.5

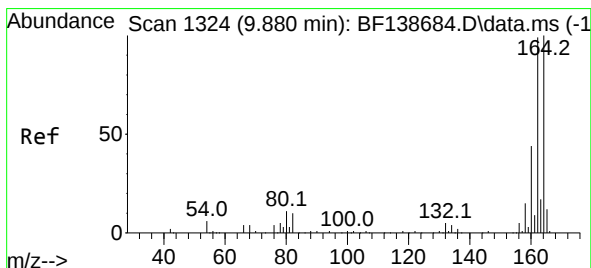
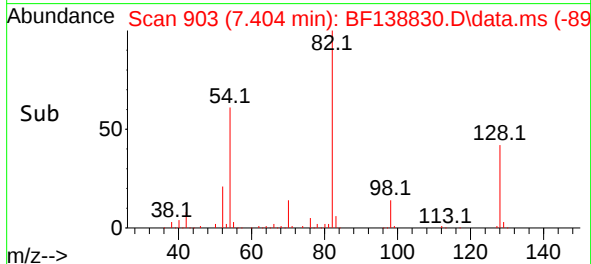
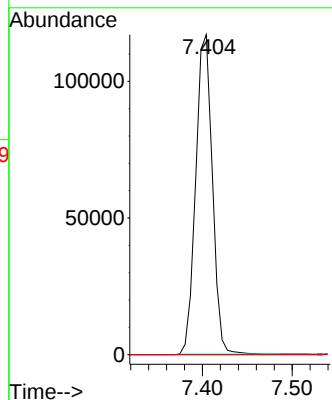
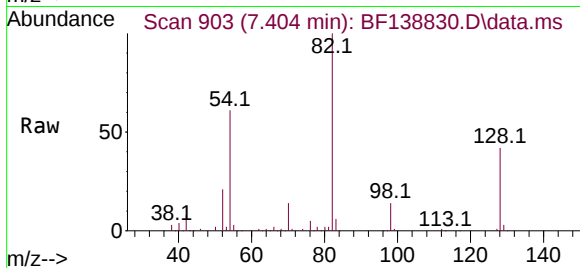




#25
Isophorone
Concen: 30.640 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138830.D
Acq: 07 Aug 2024 03:40

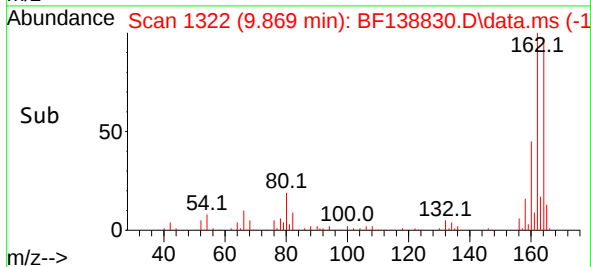
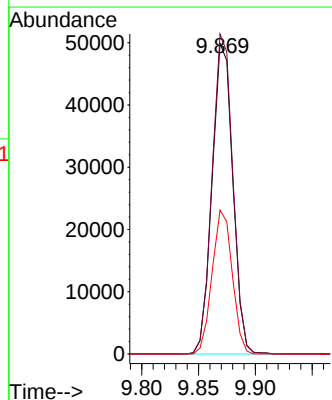
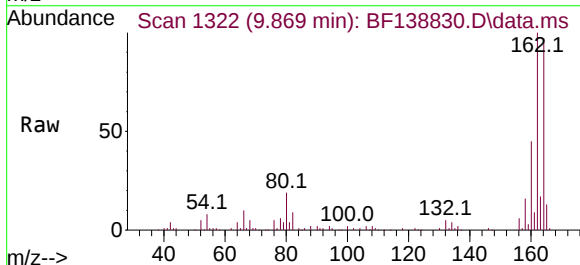
Instrument :
BNA_F
ClientSampleId :
TOPSOIL

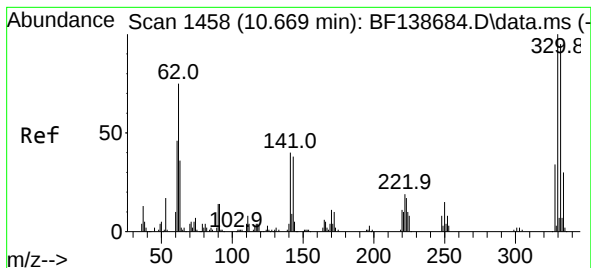
Tgt Ion: 82 Resp: 150135
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF138830.D
Acq: 07 Aug 2024 03:40

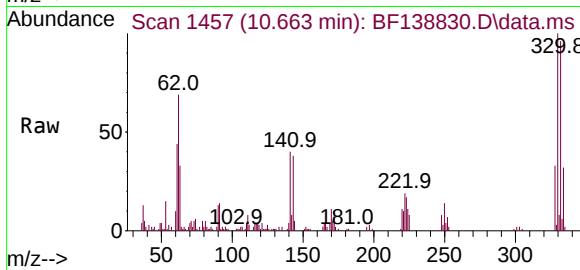
Tgt Ion:164 Resp: 63152
Ion Ratio Lower Upper
164 100
162 103.1 79.4 119.0
160 46.4 35.1 52.7



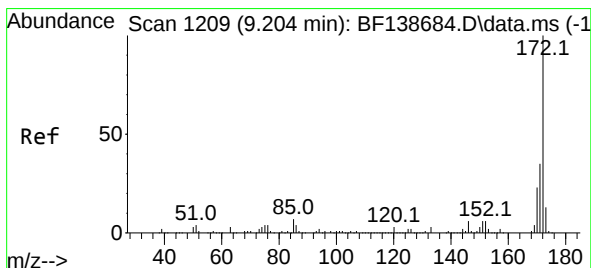
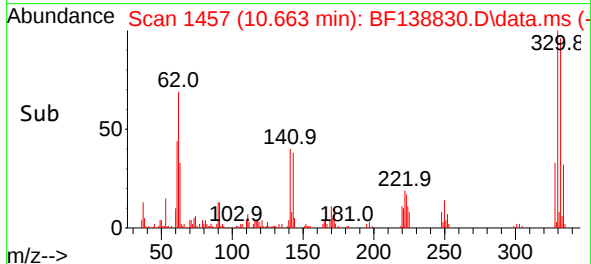
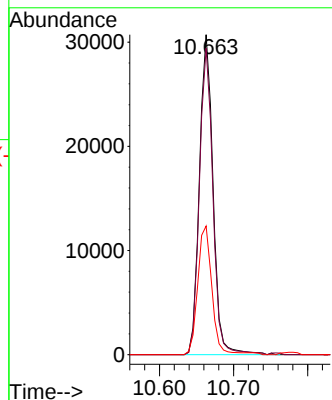


#42
2,4,6-Tribromophenol
Concen: 75.937 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF138830.D
Acq: 07 Aug 2024 03:40

Instrument :
BNA_F
ClientSampleId :
TOPSOIL

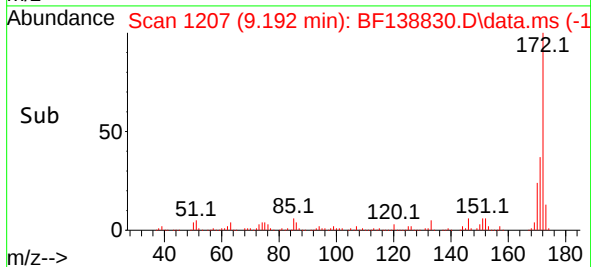
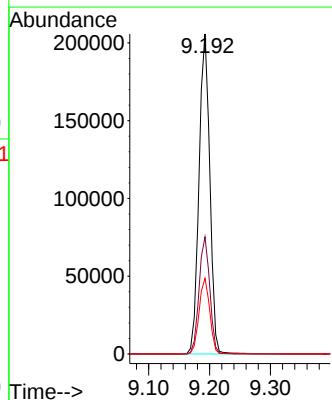
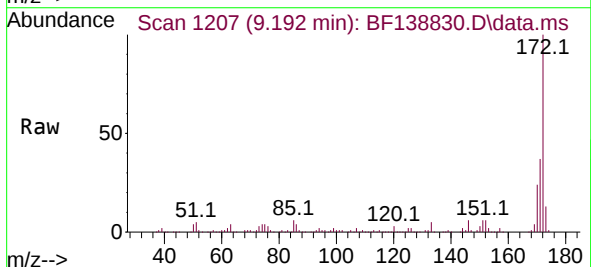


Tgt Ion:330 Resp: 39282
Ion Ratio Lower Upper
330 100
332 94.5 76.4 114.6
141 41.5 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 60.137 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138830.D
Acq: 07 Aug 2024 03:40

Tgt Ion:172 Resp: 252764
Ion Ratio Lower Upper
172 100
171 36.6 28.3 42.5
170 23.6 18.8 28.2

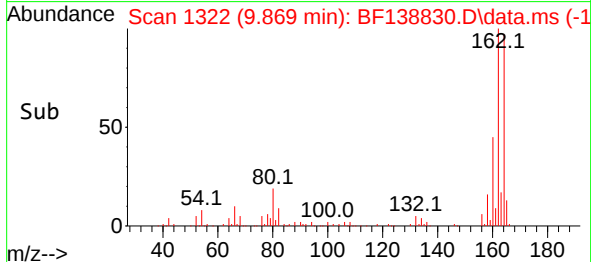
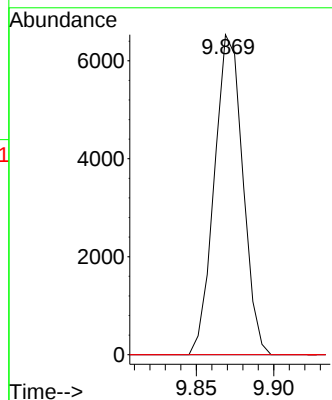
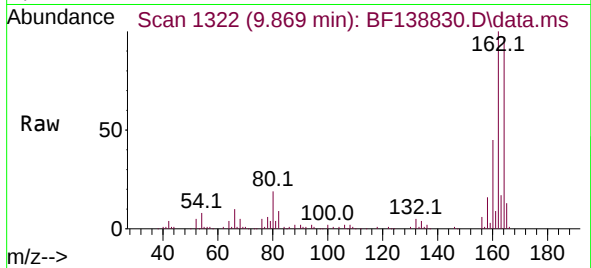




#51
2,6-Dinitrotoluene
Concen: 9.154 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF138830.D
Acq: 07 Aug 2024 03:40

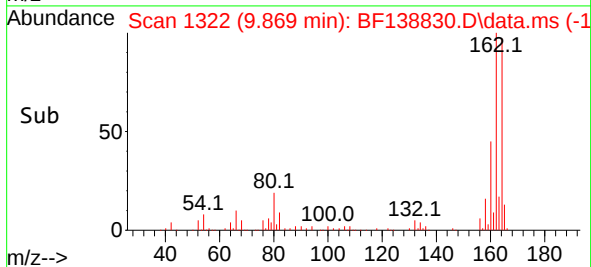
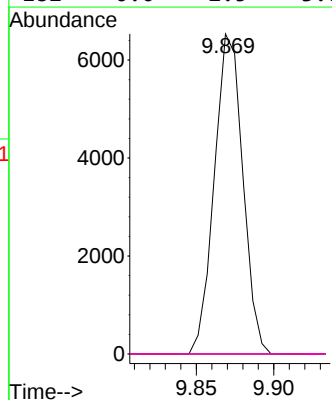
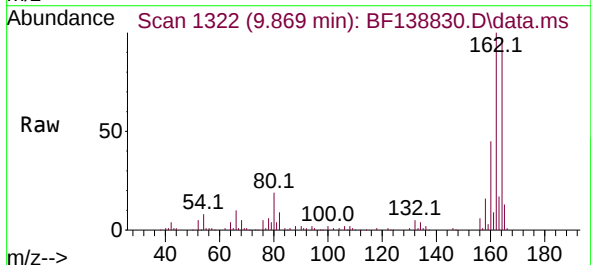
Instrument :
BNA_F
ClientSampleId :
TOPSOIL

Tgt Ion:165 Resp: 8342
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#



#57
2,4-Dinitrotoluene
Concen: 7.175 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.200 min
Lab File: BF138830.D
Acq: 07 Aug 2024 03:40

Tgt Ion:165 Resp: 8342
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 0.0 64.2 96.4#
182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138830.D

Acq: 07 Aug 2024 03:40

Instrument :

BNA_F

ClientSampleId :

TOPSOIL

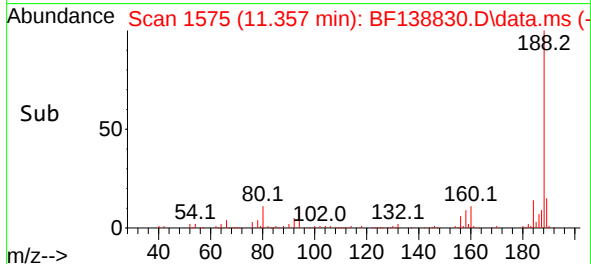
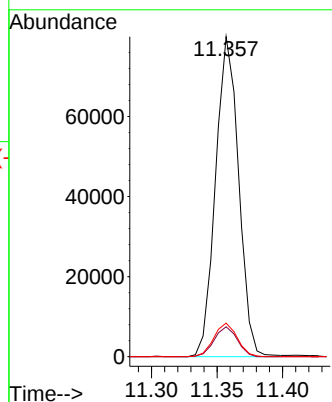
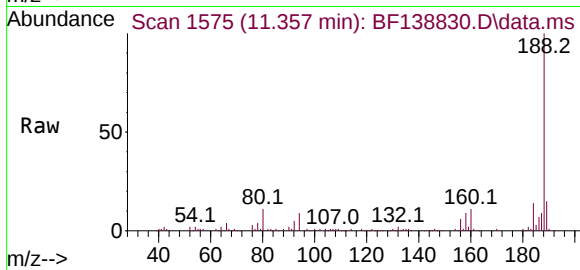
Tgt Ion:188 Resp: 97745

Ion Ratio Lower Upper

188 100

94 9.4 7.6 11.4

80 10.5 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.693 ng

RT: 10.663 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF138830.D

Acq: 07 Aug 2024 03:40

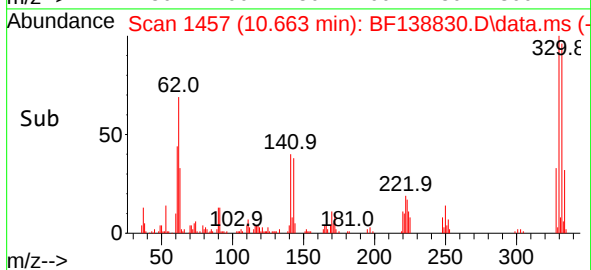
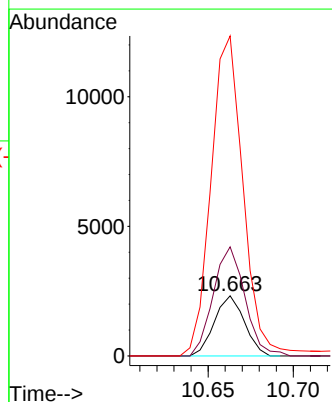
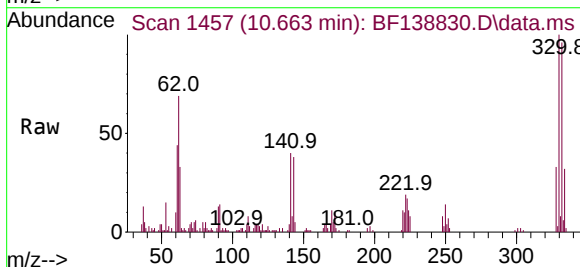
Tgt Ion:248 Resp: 2850

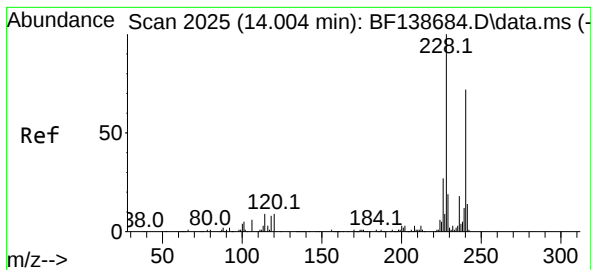
Ion Ratio Lower Upper

248 100

250 181.3 77.7 116.5#

141 531.8 68.0 102.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138830.D

Acq: 07 Aug 2024 03:40

Instrument :

BNA_F

ClientSampleId :

TOPSOIL

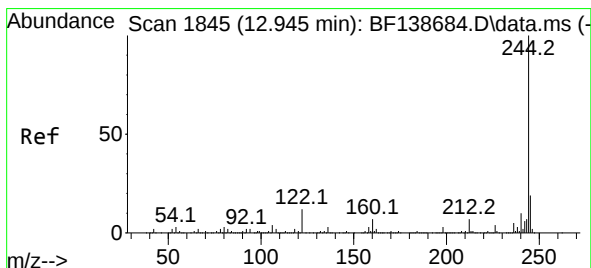
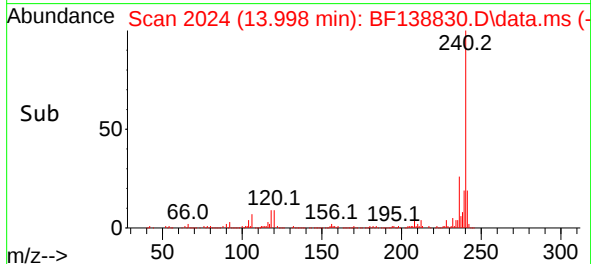
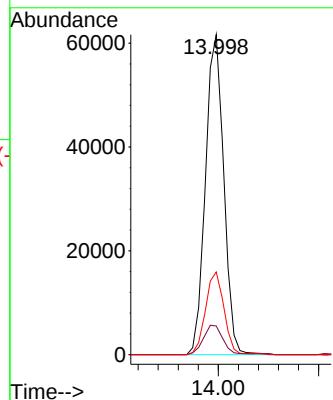
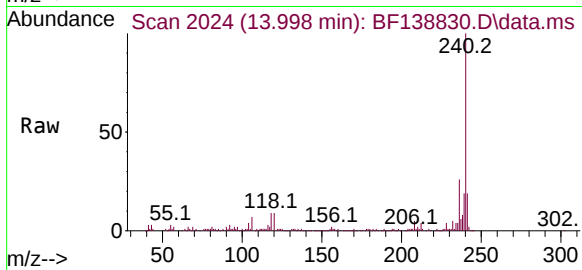
Tgt Ion:240 Resp: 78214

Ion Ratio Lower Upper

240 100

120 9.0 10.2 15.4#

236 25.9 19.8 29.8



#79

Terphenyl-d14

Concen: 51.757 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF138830.D

Acq: 07 Aug 2024 03:40

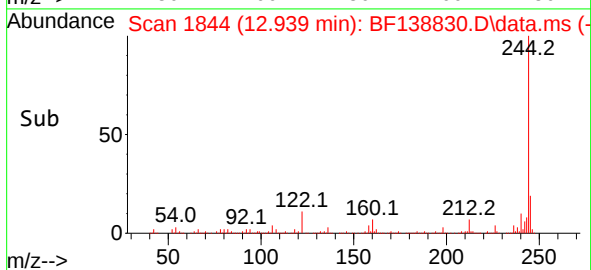
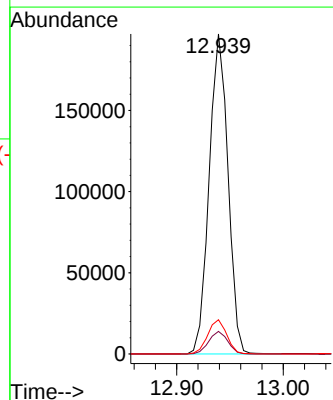
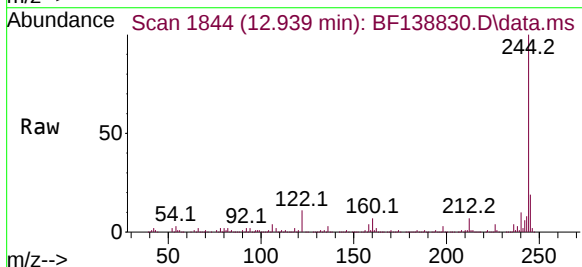
Tgt Ion:244 Resp: 241783

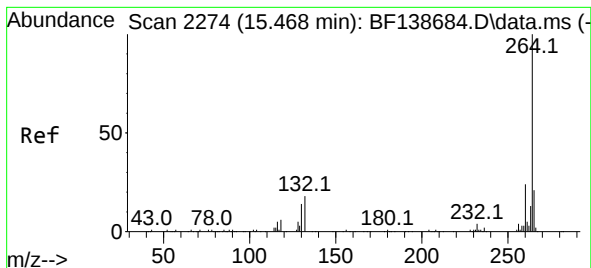
Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 10.7 9.6 14.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138830.D

Acq: 07 Aug 2024 03:40

Instrument :

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ClientSampleId :

TOPSOIL

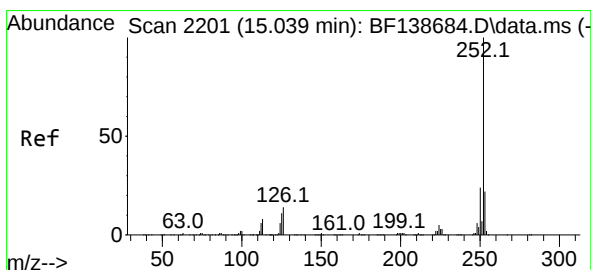
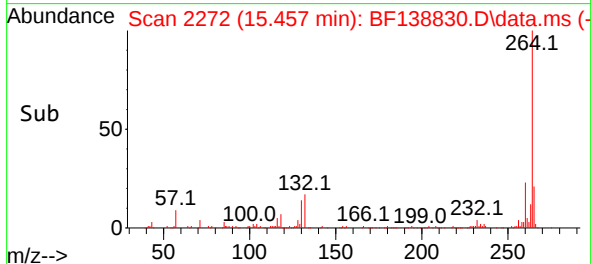
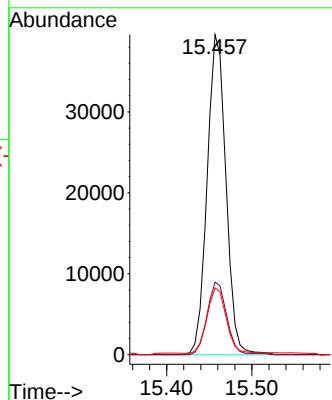
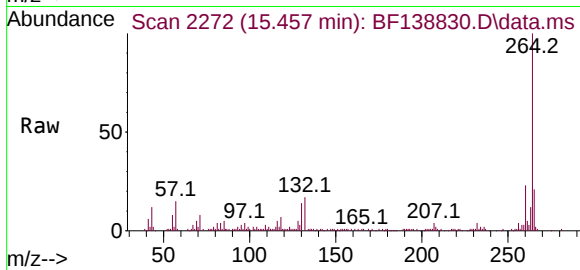
Tgt Ion:264 Resp: 60566

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.6

265 20.9 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 2.804 ng

RT: 15.033 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF138830.D

Acq: 07 Aug 2024 03:40

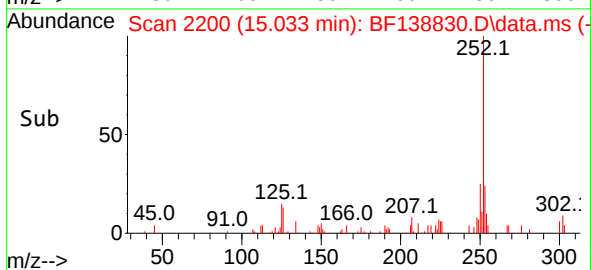
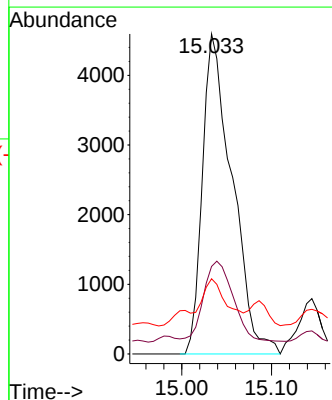
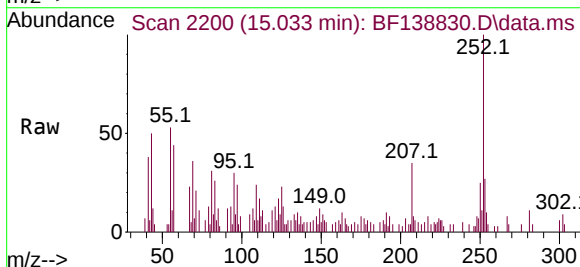
Tgt Ion:252 Resp: 10526

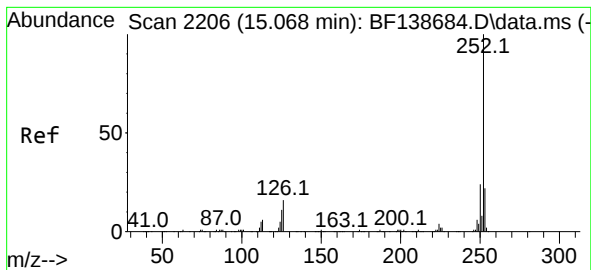
Ion Ratio Lower Upper

252 100

253 27.4 17.5 26.3#

125 23.5 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 3.238 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138830.D

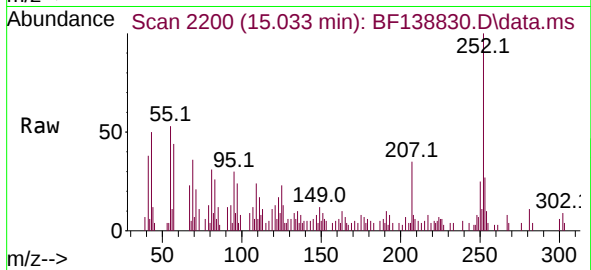
Acq: 07 Aug 2024 03:40

Instrument :

BNA_F

ClientSampleId :

TOPSOIL



Tgt Ion:252 Resp: 10526

Ion Ratio Lower Upper

252 100

253 27.4 17.4 26.0#

125 23.5 8.6 13.0#

