

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
 Data File : BF139043.D
 Acq On : 16 Aug 2024 01:49
 Operator : RC/JU
 Sample : P3483-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-TOPSOIL

Quant Time: Aug 16 02:55:06 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)

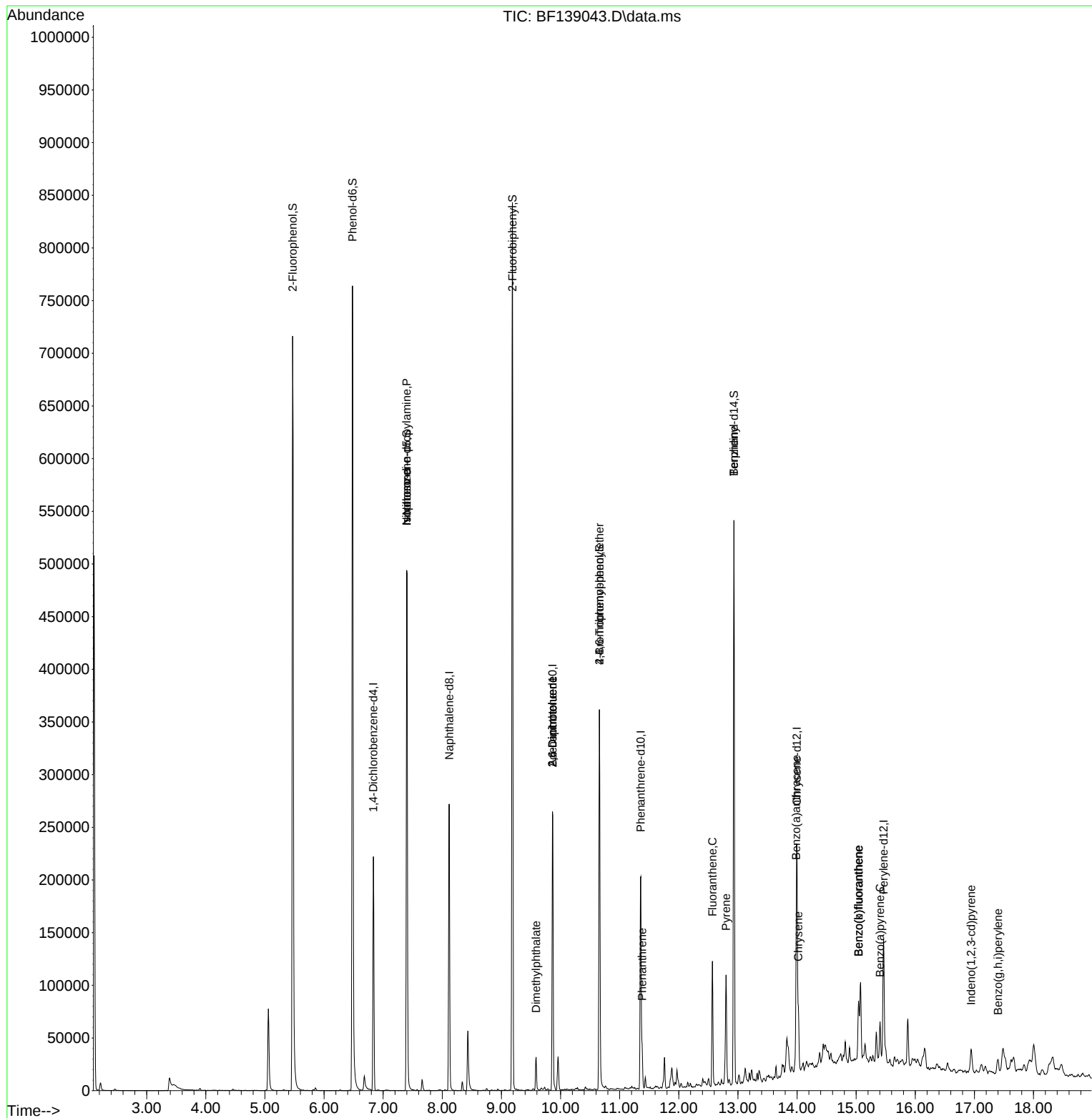
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	41434	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	159307	20.000	ng	-0.01
39) Acenaphthene-d10	9.863	164	79178	20.000	ng	-0.02
64) Phenanthrene-d10	11.357	188	106523	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	78589	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	63083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	245195	91.349	ng	0.00
7) Phenol-d6	6.481	99	324490	90.042	ng	0.00
23) Nitrobenzene-d5	7.398	82	217493	66.749	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	49186	75.837	ng	-0.01
45) 2-Fluorobiphenyl	9.187	172	334113	63.402	ng	-0.02
79) Terphenyl-d14	12.933	244	234461	49.950	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	29714	13.652	ng	# 81
25) Isophorone	7.398	82	217492	39.090	ng	# 66
50) Dimethylphthalate	9.587	163	18026	3.561	ng	100
51) 2,6-Dinitrotoluene	9.863	165	10339	9.049	ng	# 21
57) 2,4-Dinitrotoluene	9.863	165	10339	7.093	ng	# 17
67) 4-Bromophenyl-phenylether	10.657	248	3609	3.129	ng	# 1
71) Phenanthrene	11.381	178	20715	3.777	ng	97
75) Fluoranthene	12.569	202	63392	12.380	ng	98
77) Benzidine	12.933	184	3860	2.054	ng	# 94
78) Pyrene	12.798	202	57556	7.778	ng	100
81) Benzo(a)anthracene	13.986	228	34621	6.397	ng	97
83) Chrysene	14.022	228	28794	5.897	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	10657	2.357	ng	97
88) Benzo(b)fluoranthene	15.039	252	43946	11.238	ng	# 94
89) Benzo(k)fluoranthene	15.039	252	43946	12.980	ng	# 93
90) Benzo(a)pyrene	15.404	252	21049	6.399	ng	98
92) Benzo(g,h,i)perylene	17.398	276	9682	2.514	ng	# 90

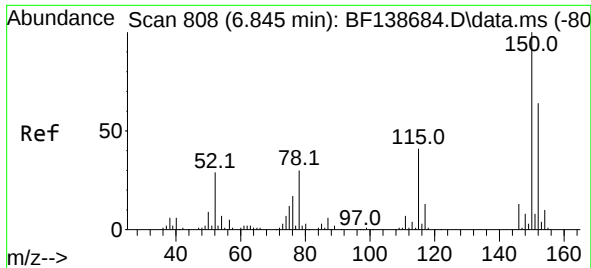
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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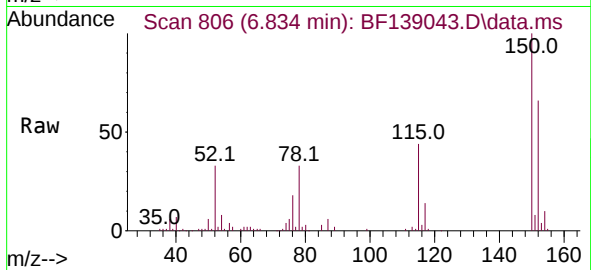
Quant Time: Aug 16 02:55:06 2024
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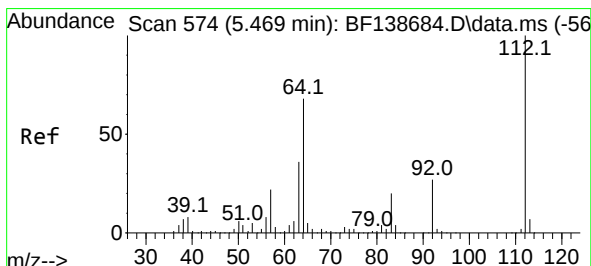
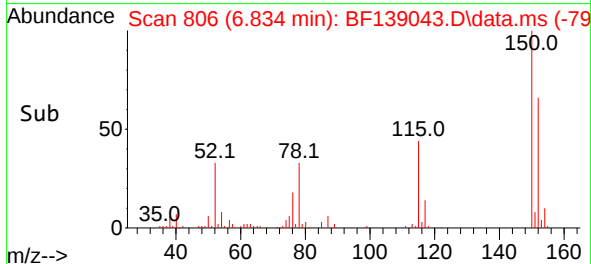
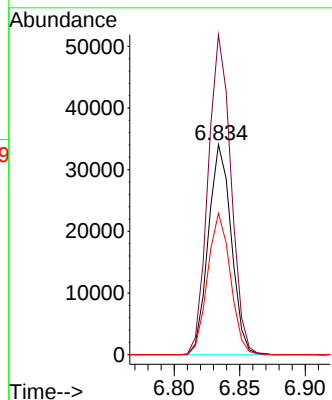


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

Instrument :
BNA_F
ClientSampleId :
A-TOPSOIL

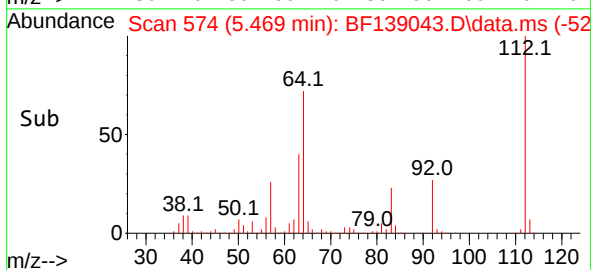
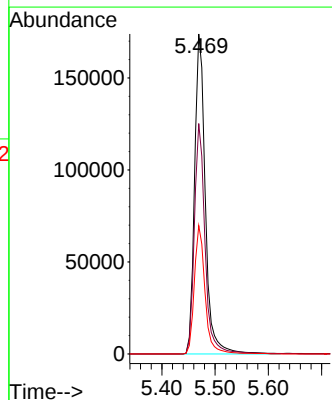
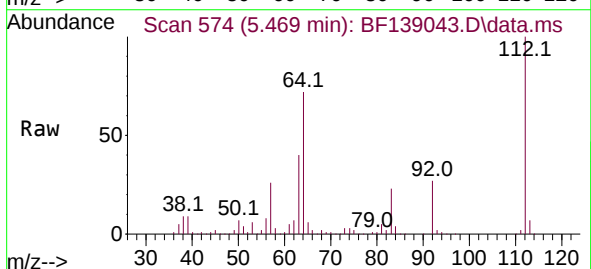


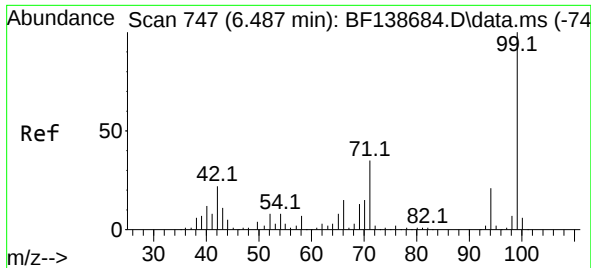
Tgt Ion:152 Resp: 41434
Ion Ratio Lower Upper
152 100
150 152.3 126.0 189.0
115 67.3 51.7 77.5



#5
2-Fluorophenol
Concen: 91.349 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

Tgt Ion:112 Resp: 245195
Ion Ratio Lower Upper
112 100
64 72.0 54.2 81.4
63 40.1 28.7 43.1





#7

Phenol-d6

Concen: 90.042 ng

RT: 6.481 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

Instrument :

BNA_F

ClientSampleId :

A-TOPSOIL

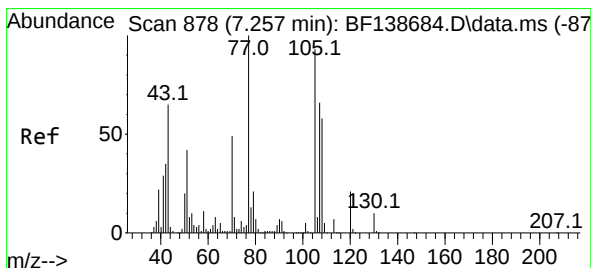
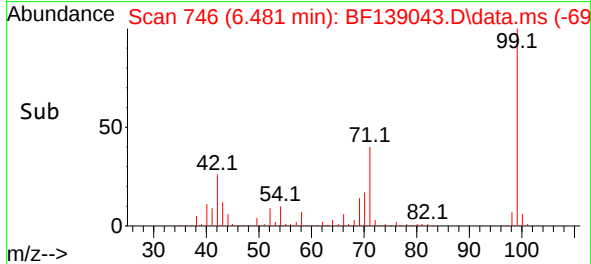
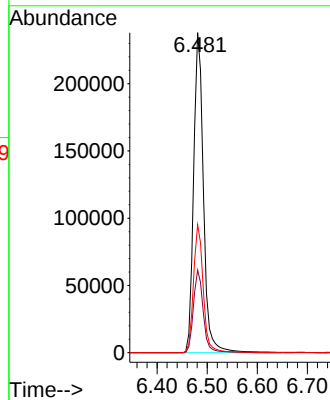
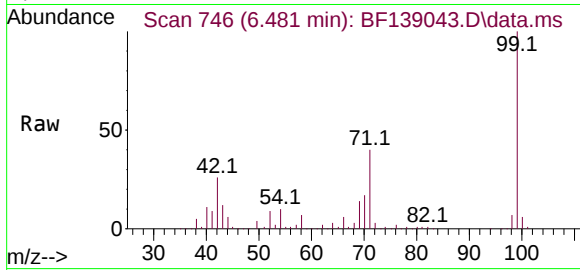
Tgt Ion: 99 Resp: 324490

Ion Ratio Lower Upper

99 100

42 25.8 17.4 26.0

71 40.0 28.1 42.1



#19

n-Nitroso-di-n-propylamine

Concen: 13.652 ng

RT: 7.398 min Scan# 902

Delta R.T. 0.141 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

Tgt Ion: 70 Resp: 29714

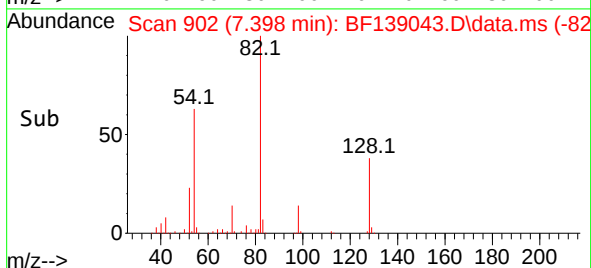
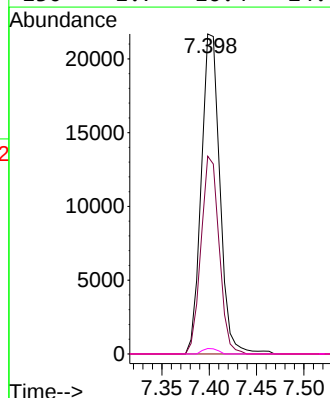
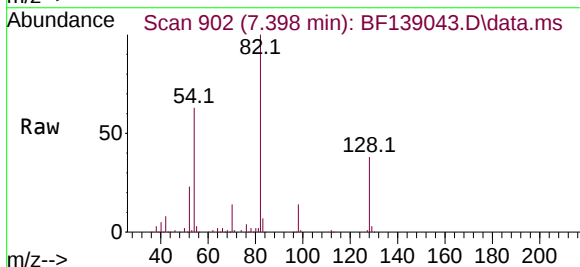
Ion Ratio Lower Upper

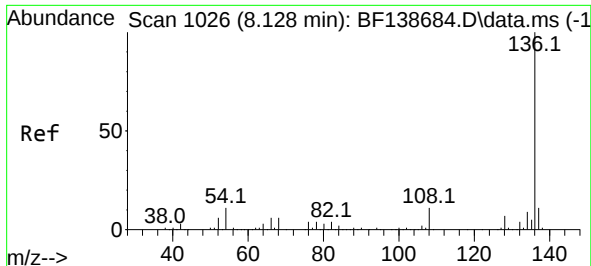
70 100

42 61.8 57.4 86.0

101 0.0 7.5 11.3#

130 1.7 16.4 24.6#



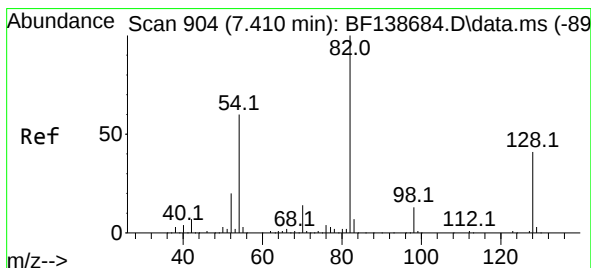
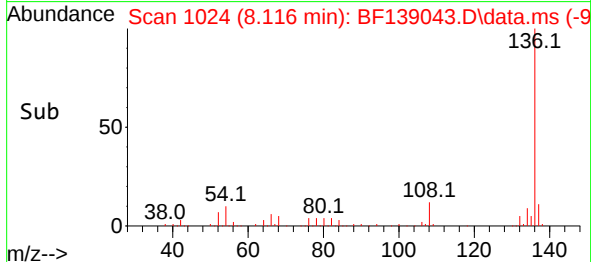
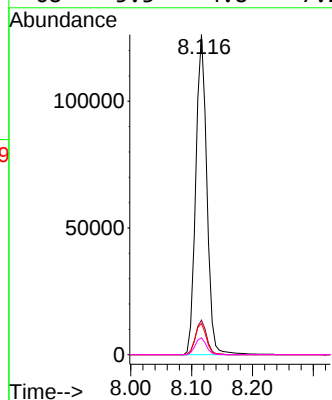
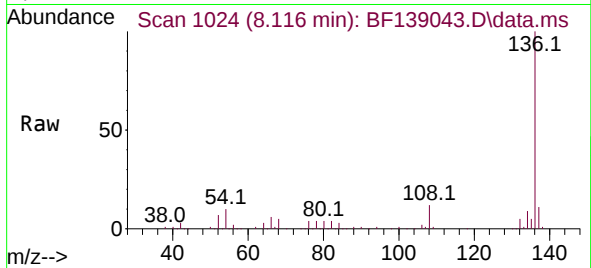


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

Instrument :
BNA_F
ClientSampleId :
A-TOPSOIL

Tgt Ion:136 Resp: 159307

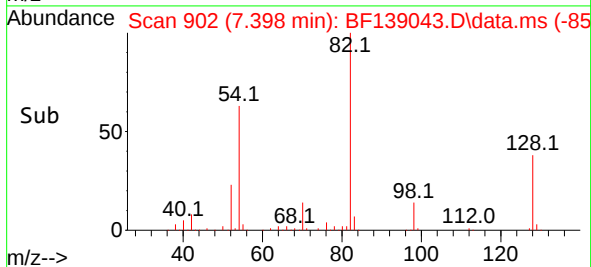
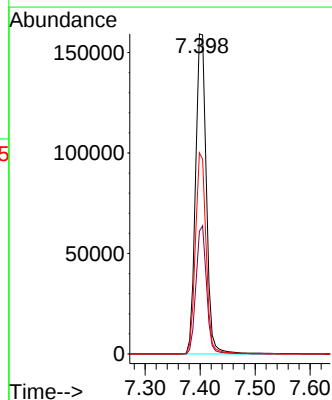
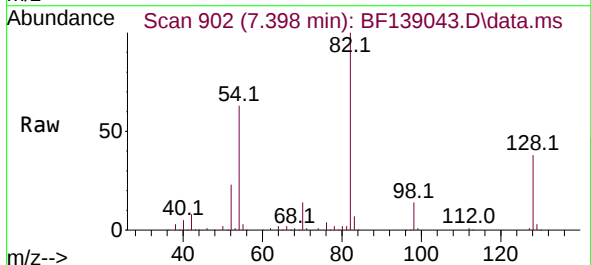
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.8	8.6	12.8
68	5.3	4.8	7.2

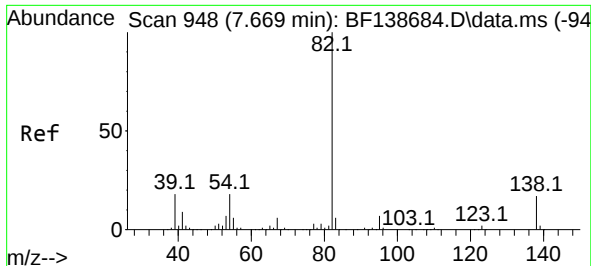


#23
Nitrobenzene-d5
Concen: 66.749 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

Tgt Ion: 82 Resp: 217493

Ion	Ratio	Lower	Upper
82	100		
128	38.3	32.8	49.2
54	62.8	48.3	72.5

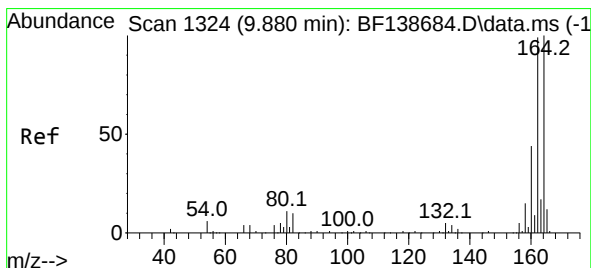
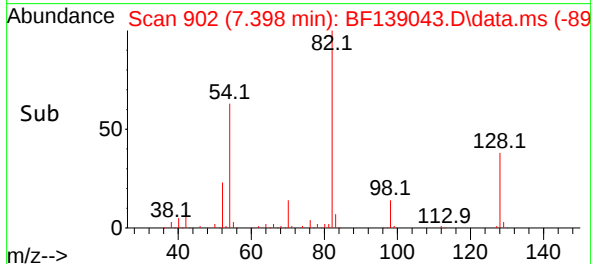
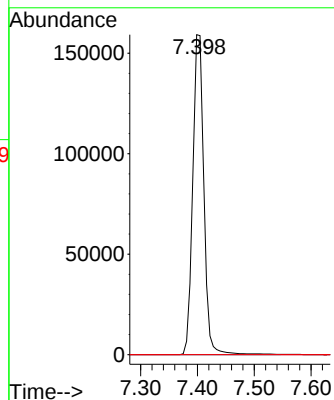
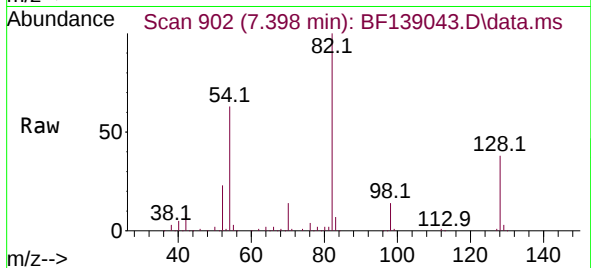




#25
Isophorone
Concen: 39.090 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

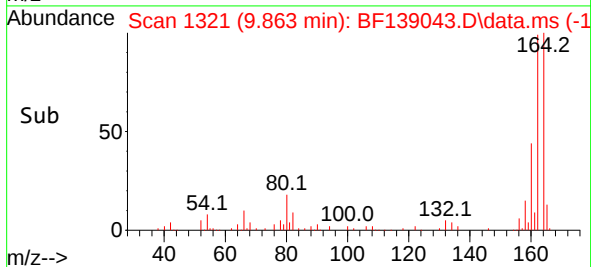
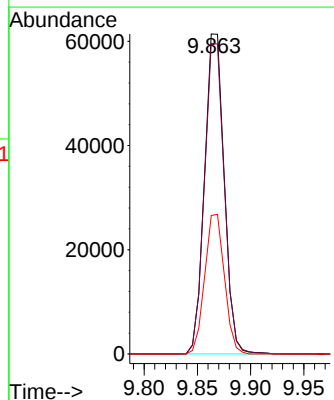
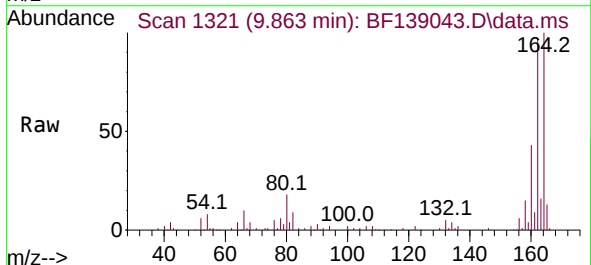
Instrument :
BNA_F
ClientSampleId :
A-TOPSOIL

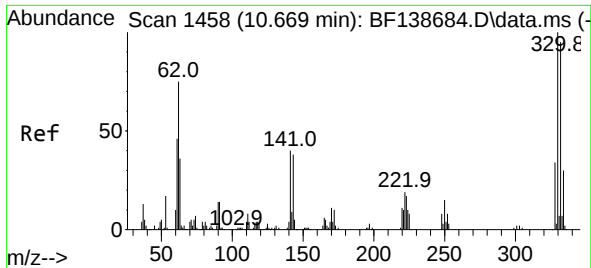
Tgt Ion: 82 Resp: 217492
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.017 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

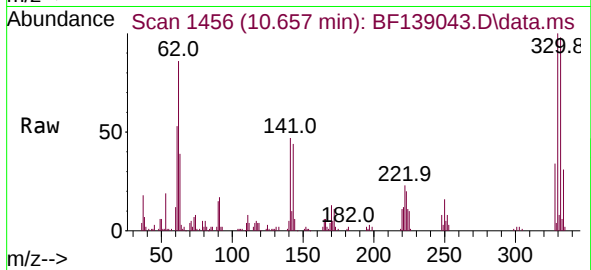
Tgt Ion: 164 Resp: 79178
Ion Ratio Lower Upper
164 100
162 97.0 79.4 119.0
160 43.2 35.1 52.7



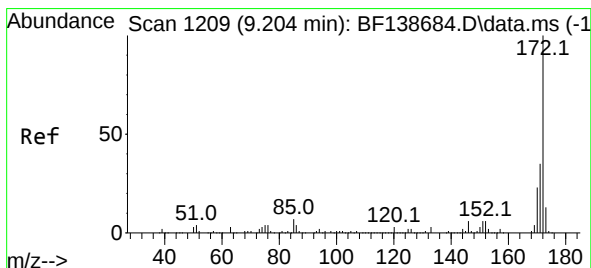
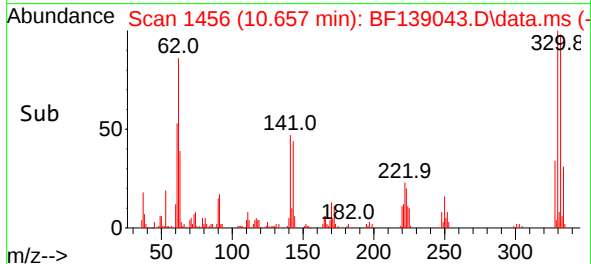
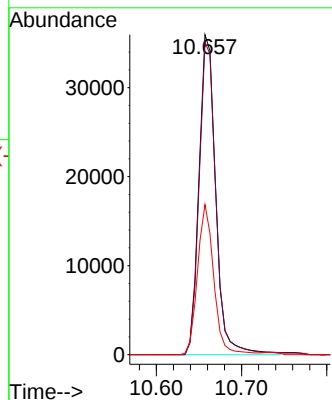


#42
2,4,6-Tribromophenol
Concen: 75.837 ng
RT: 10.657 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

Instrument :
BNA_F
ClientSampleId :
A-TOPSOIL

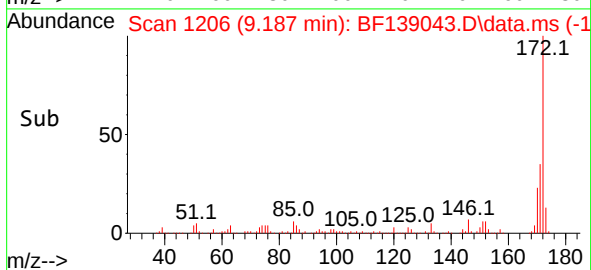
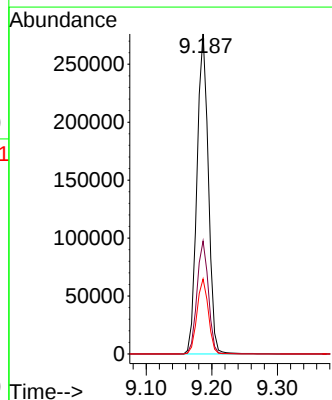
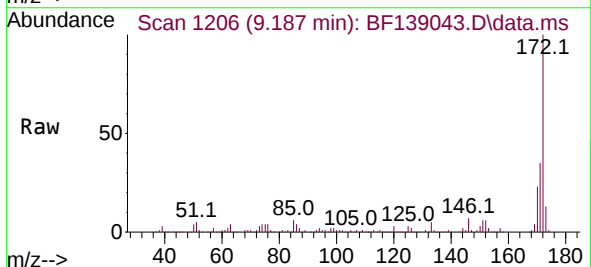


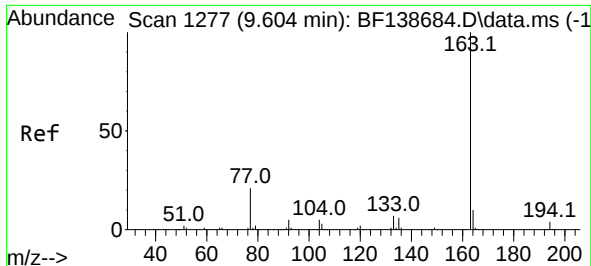
Tgt Ion:330 Resp: 49186
Ion Ratio Lower Upper
330 100
332 98.5 76.4 114.6
141 45.4 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 63.402 ng
RT: 9.187 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

Tgt Ion:172 Resp: 334113
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.5 18.8 28.2

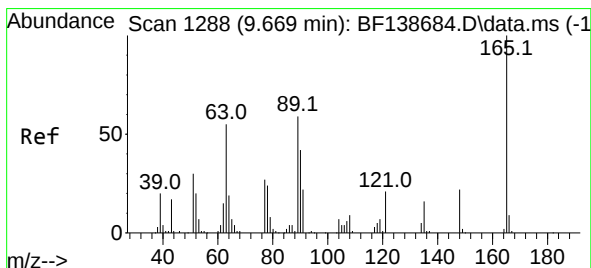
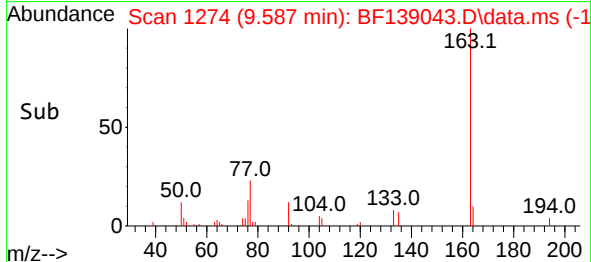
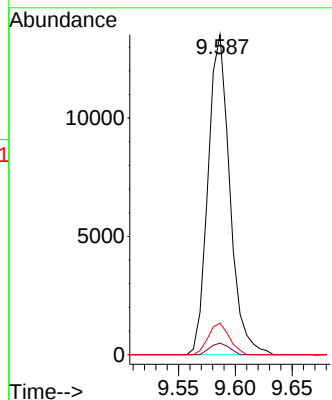
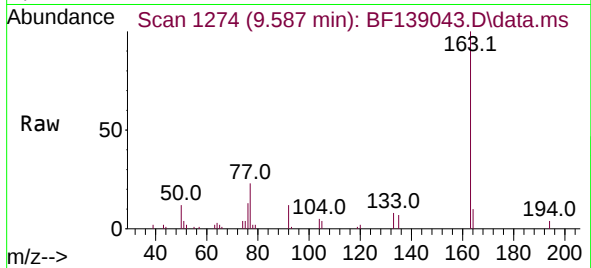




#50
Dimethylphthalate
Concen: 3.561 ng
RT: 9.587 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

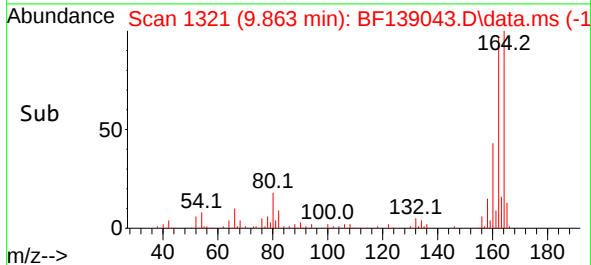
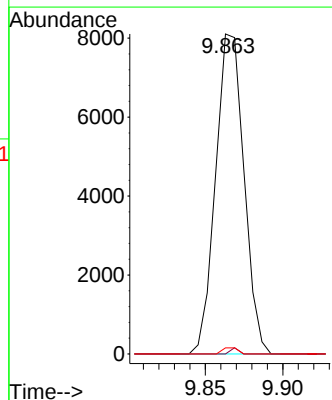
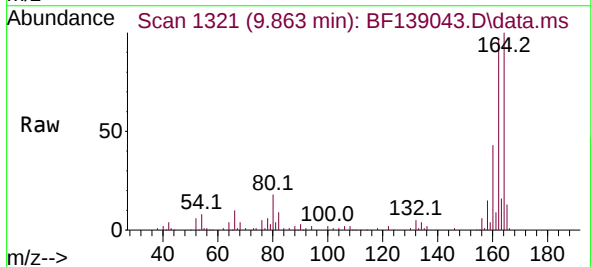
Instrument :
BNA_F
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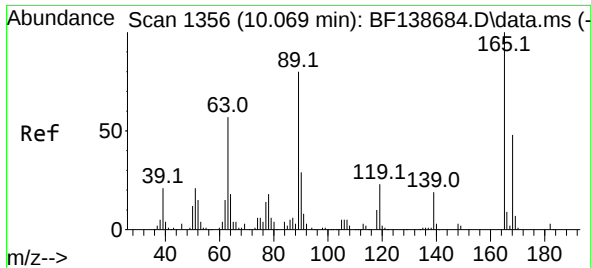
Tgt Ion:163 Resp: 18026
Ion Ratio Lower Upper
163 100
194 3.6 3.1 4.7
164 9.8 7.8 11.8



#51
2,6-Dinitrotoluene
Concen: 9.049 ng
RT: 9.863 min Scan# 1321
Delta R.T. 0.194 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

Tgt Ion:165 Resp: 10339
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 1.9 47.0 70.6#

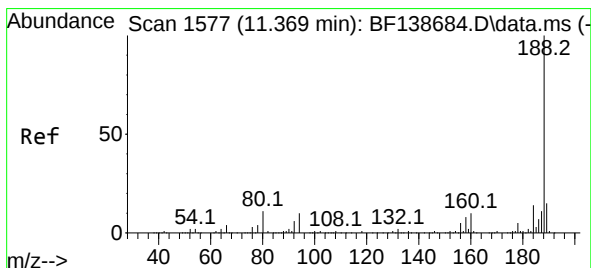
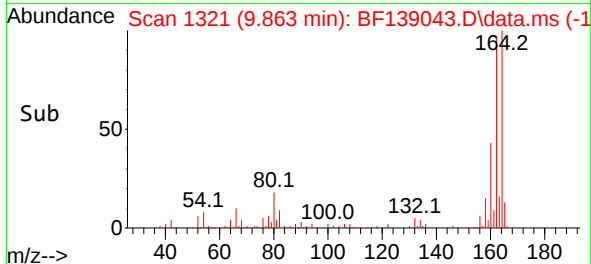
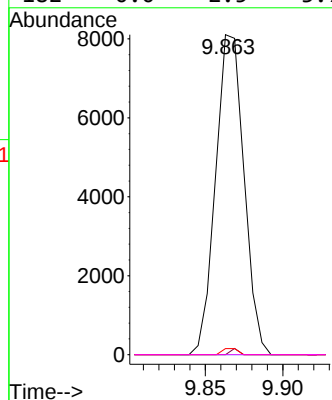
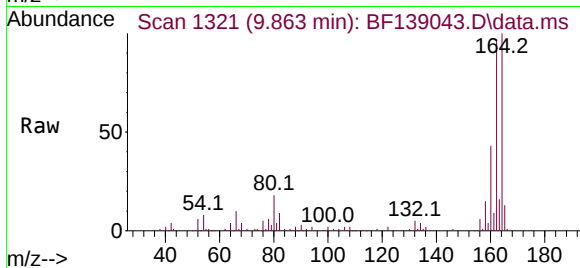




#57
2,4-Dinitrotoluene
Concen: 7.093 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

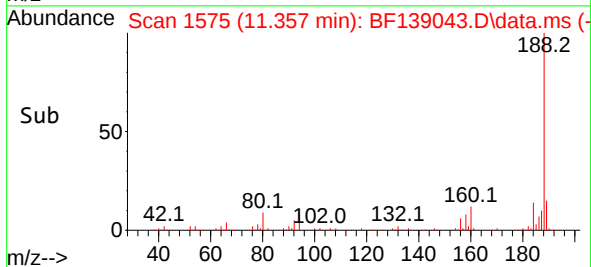
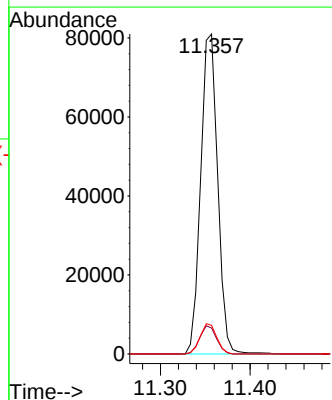
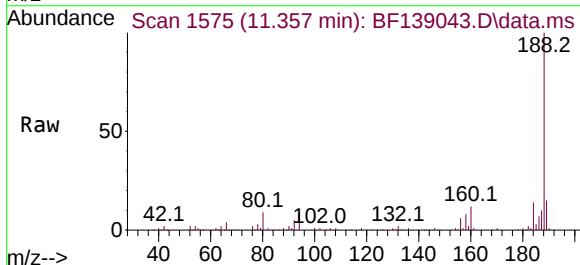
Instrument :
BNA_F
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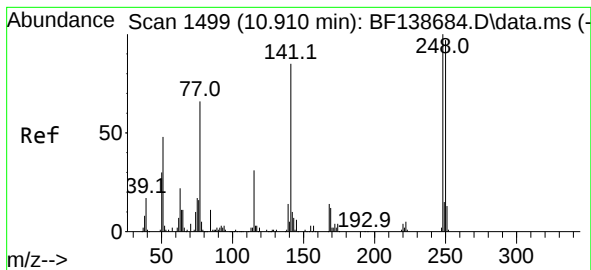
Tgt Ion:165	Resp:	10339
Ion Ratio	Lower	Upper
165	100	
63	0.0	46.3 69.5#
89	1.9	64.2 96.4#
182	0.0	2.5 3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

Tgt Ion:188	Resp:	106523
Ion Ratio	Lower	Upper
188	100	
94	8.1	7.6 11.4
80	8.9	8.6 12.8

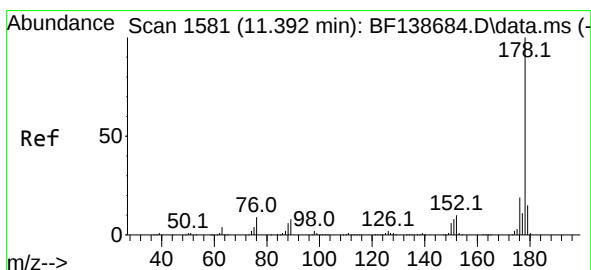
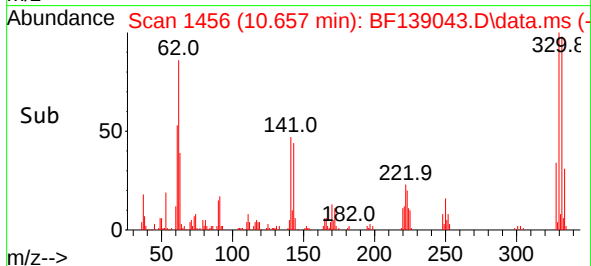
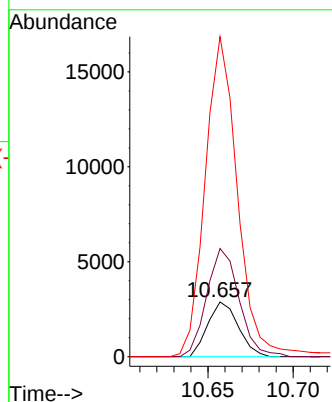
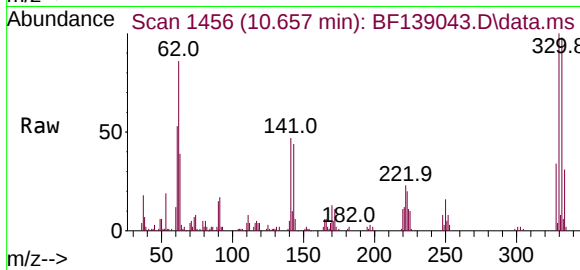




#67
4-Bromophenyl-phenylether
Concen: 3.129 ng
RT: 10.657 min Scan# 1499
Delta R.T. -0.253 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

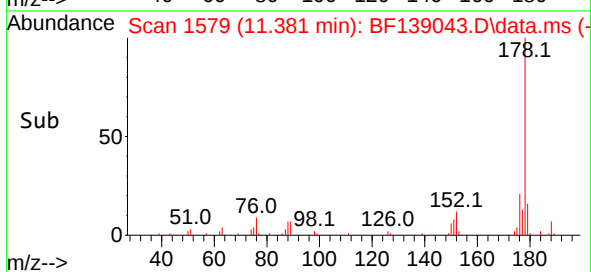
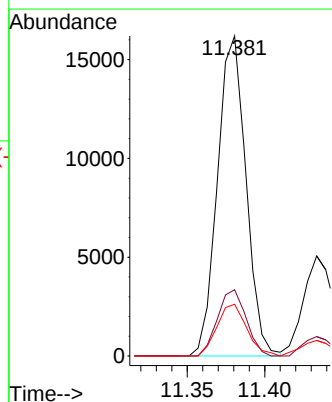
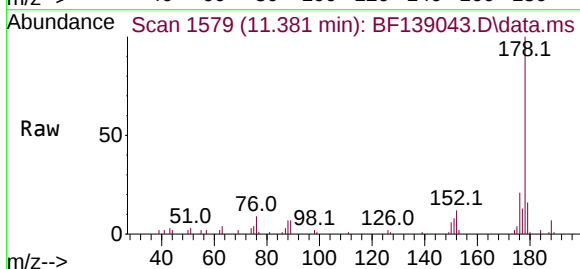
Instrument :
BNA_F
ClientSampleId :
A-TOPSOIL

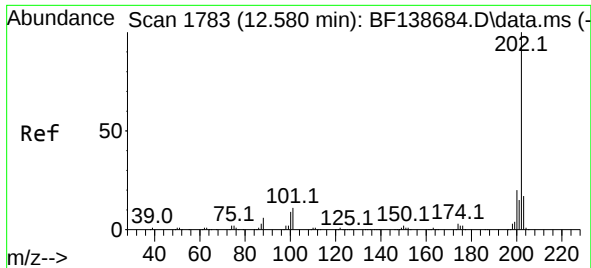
Tgt Ion:248 Resp: 3609
Ion Ratio Lower Upper
248 100
250 197.8 77.7 116.5#
141 585.1 68.0 102.0#



#71
Phenanthrene
Concen: 3.777 ng
RT: 11.381 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

Tgt Ion:178 Resp: 20715
Ion Ratio Lower Upper
178 100
176 20.7 15.4 23.0
179 16.2 12.2 18.2

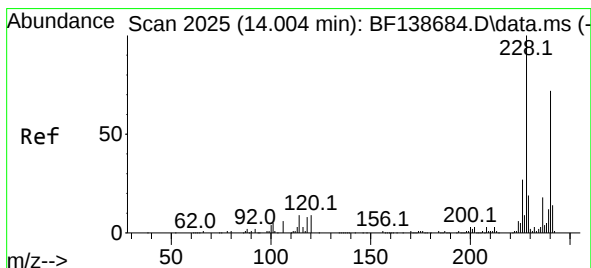
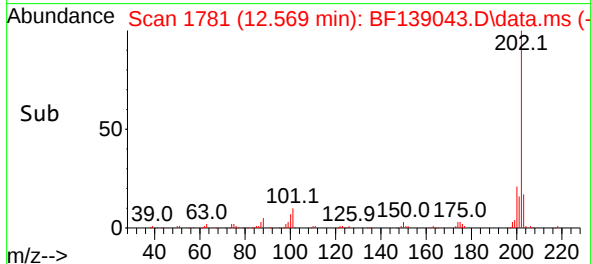
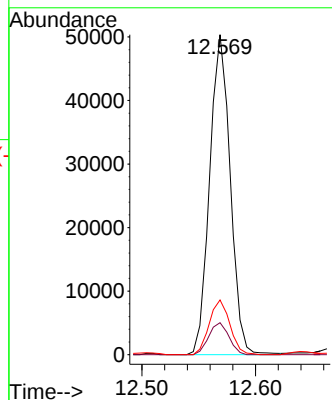
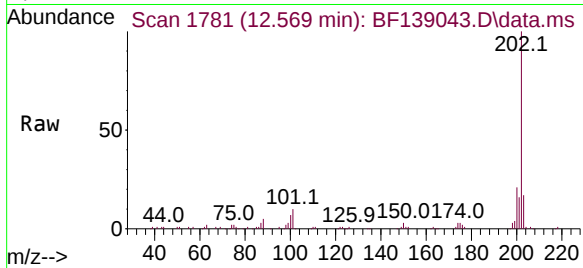




#75
Fluoranthene
Concen: 12.380 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

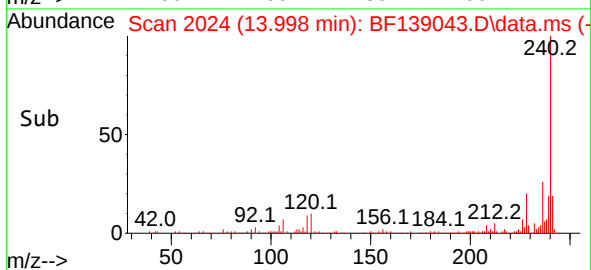
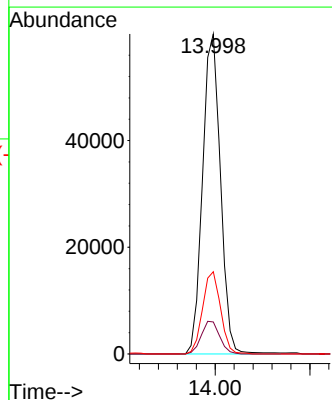
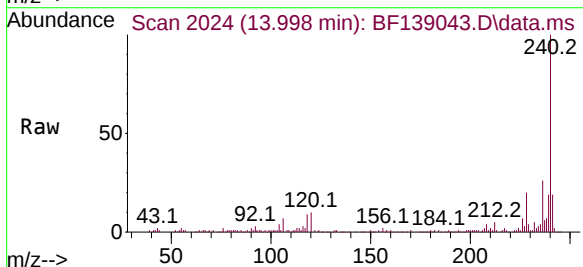
Instrument :
BNA_F
ClientSampleId :
A-TOPSOIL

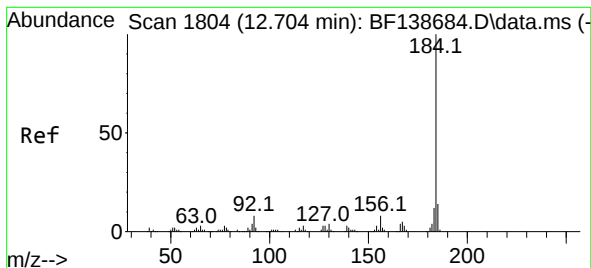
Tgt Ion:202 Resp: 63392
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.2
203 17.1 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

Tgt Ion:240 Resp: 78589
Ion Ratio Lower Upper
240 100
120 10.0 10.2 15.4#
236 25.7 19.8 29.8





#77

Benzidine

Concen: 2.054 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.229 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

Instrument :

BNA_F

ClientSampleId :

A-TOPSOIL

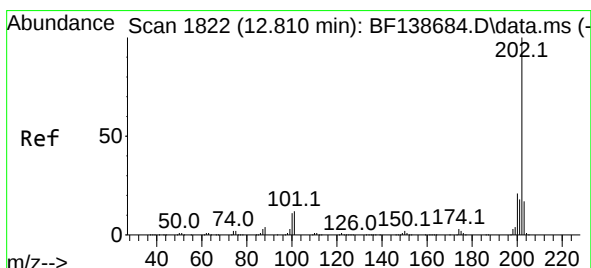
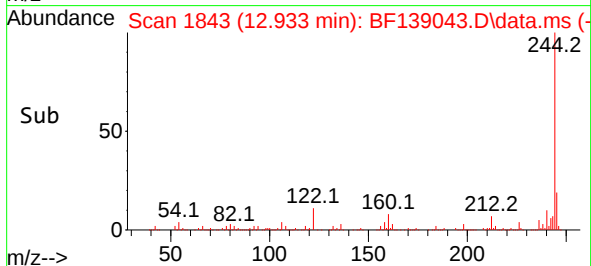
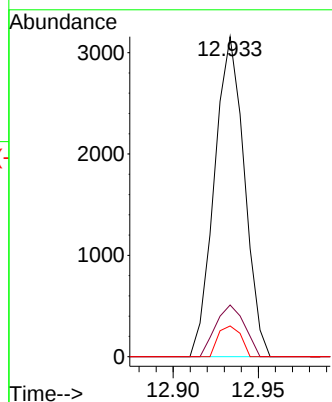
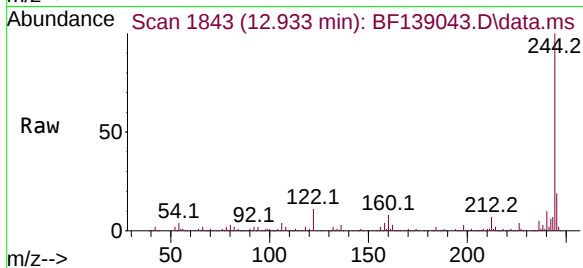
Tgt Ion:184 Resp: 3860

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

183 9.6 9.6 14.4#



#78

Pyrene

Concen: 7.778 ng

RT: 12.798 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

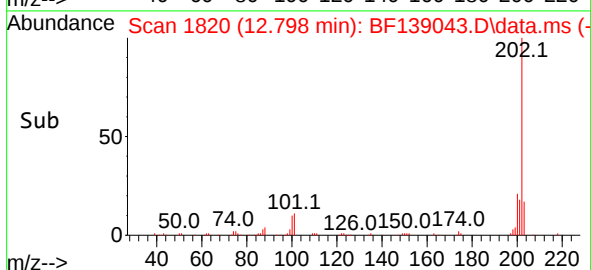
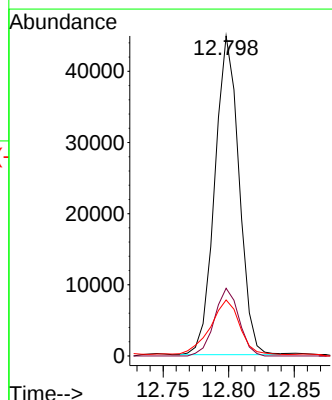
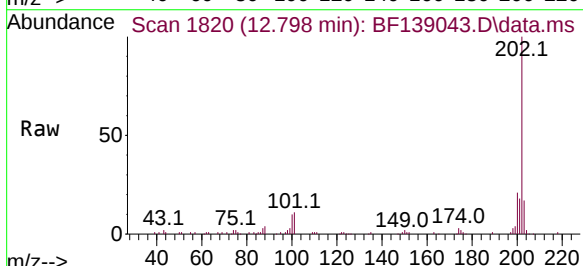
Tgt Ion:202 Resp: 57556

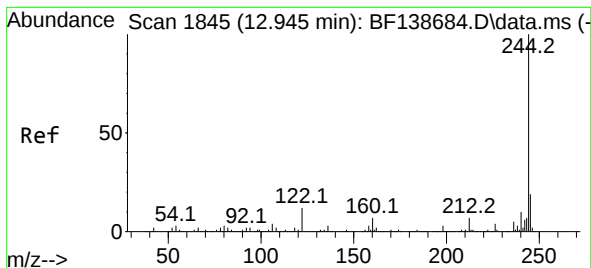
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 49.950 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.012 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

Instrument :

BNA_F

ClientSampleId :

A-TOPSOIL

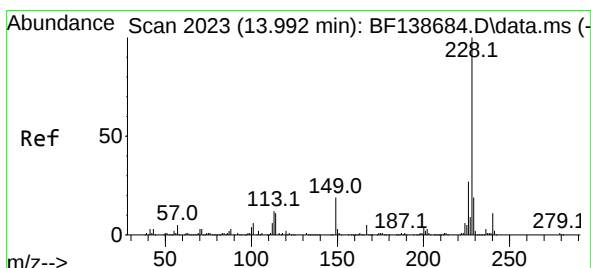
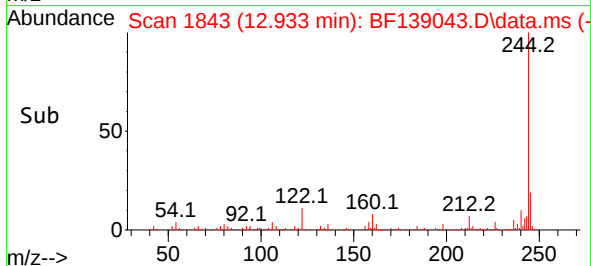
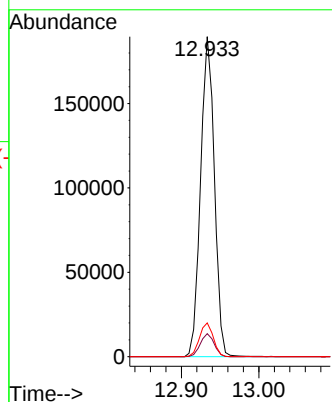
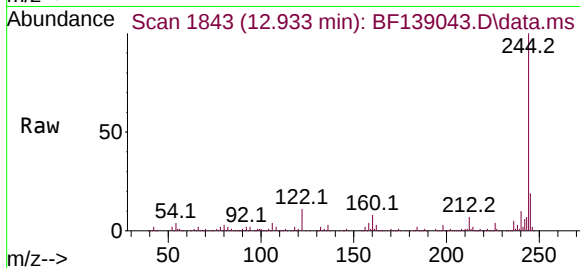
Tgt Ion:244 Resp: 234461

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 10.5 9.6 14.4



#81

Benzo(a)anthracene

Concen: 6.397 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

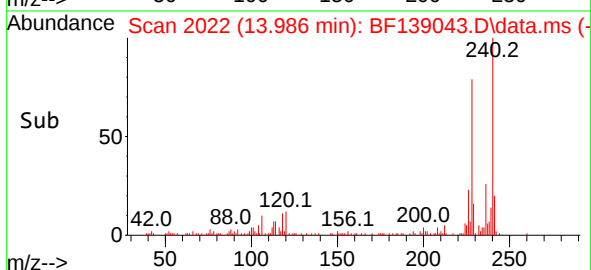
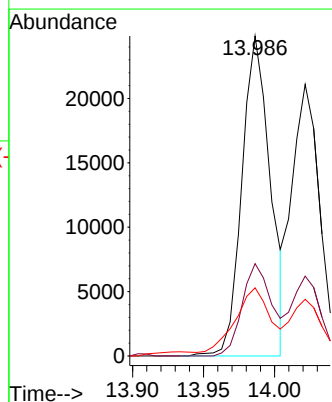
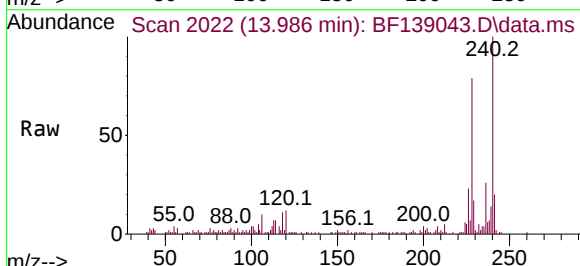
Tgt Ion:228 Resp: 34621

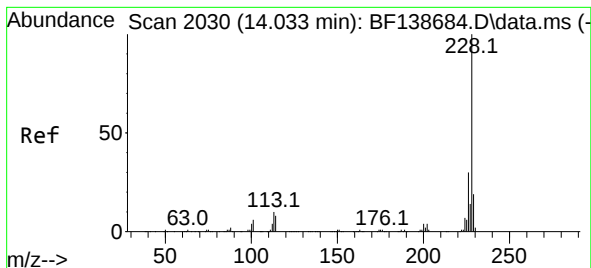
Ion Ratio Lower Upper

228 100

226 28.9 22.1 33.1

229 21.3 15.4 23.0





#83

Chrysene

Concen: 5.897 ng

RT: 14.022 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

Instrument :

BNA_F

ClientSampleId :

A-TOPSOIL

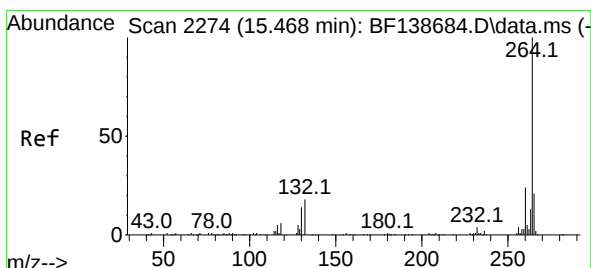
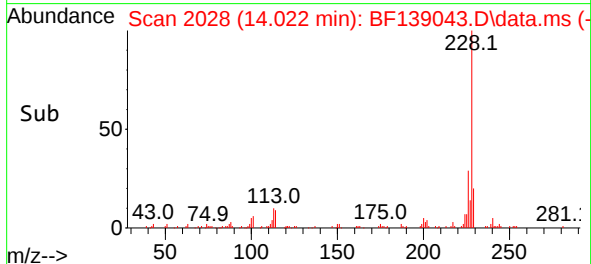
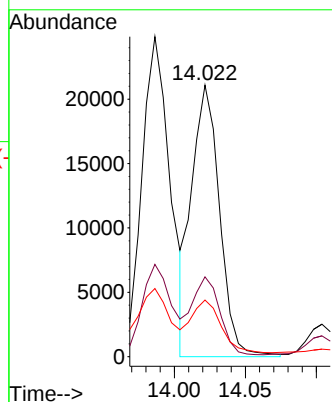
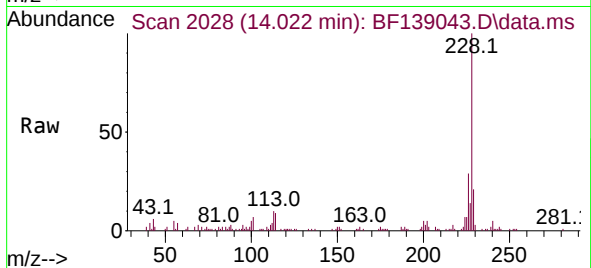
Tgt Ion:228 Resp: 28794

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 20.8 15.0 22.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

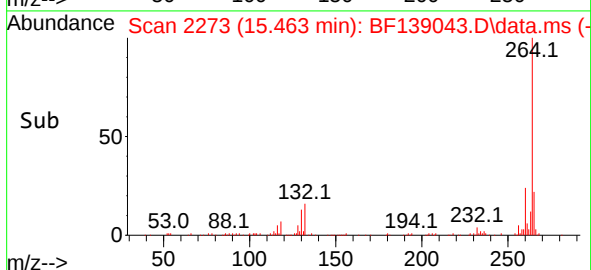
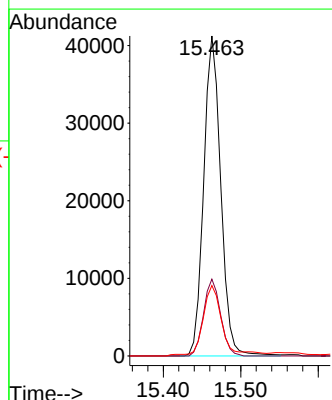
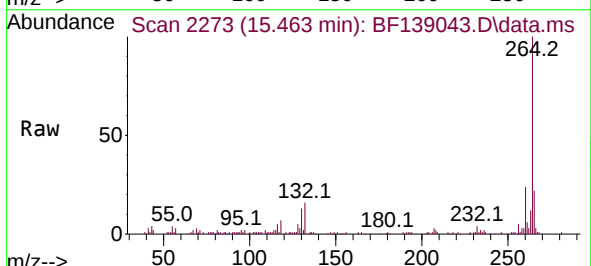
Tgt Ion:264 Resp: 63083

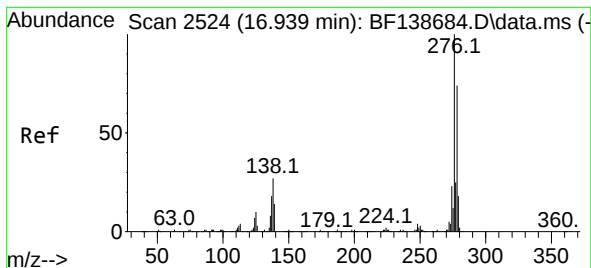
Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 22.0 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.357 ng

RT: 16.945 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

Instrument :

BNA_F

ClientSampleId :

A-TOPSOIL

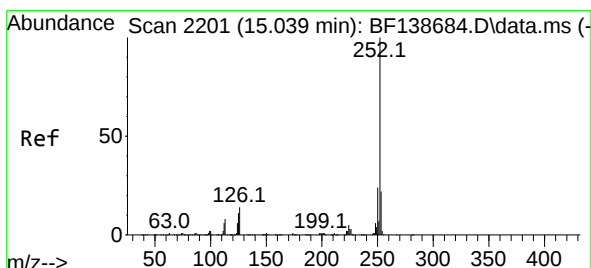
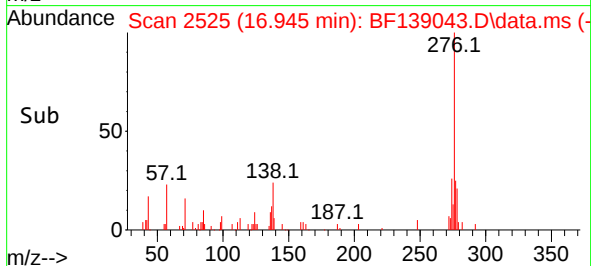
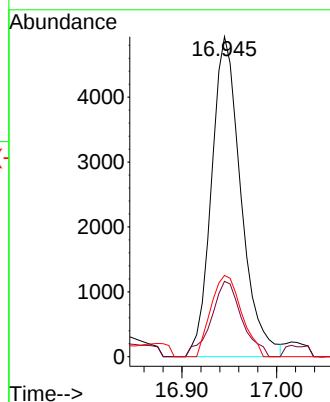
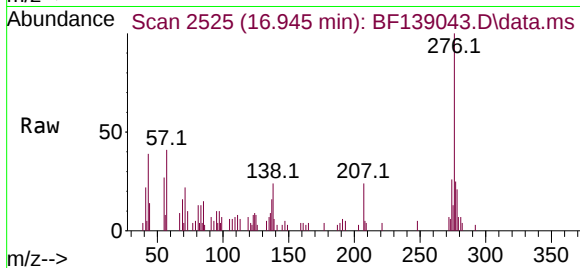
Tgt Ion:276 Resp: 10657

Ion Ratio Lower Upper

276 100

138 24.6 21.8 32.8

277 26.4 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 11.238 ng

RT: 15.039 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

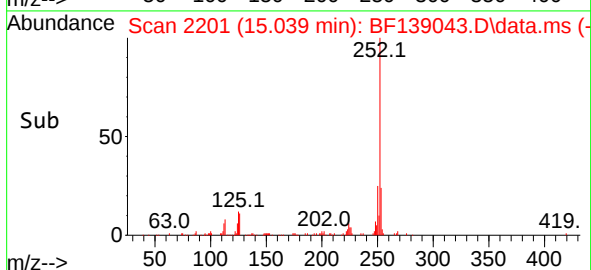
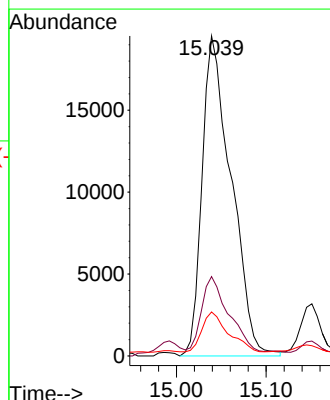
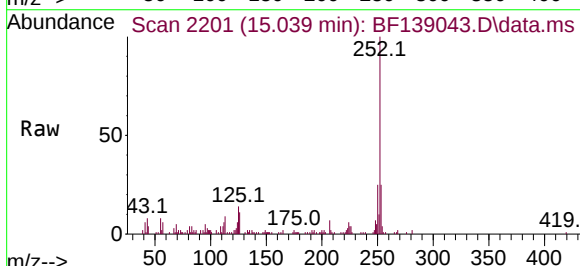
Tgt Ion:252 Resp: 43946

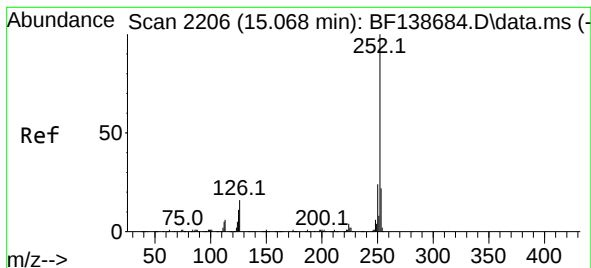
Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

125 13.8 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 12.980 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

Instrument :

BNA_F

ClientSampleId :

A-TOPSOIL

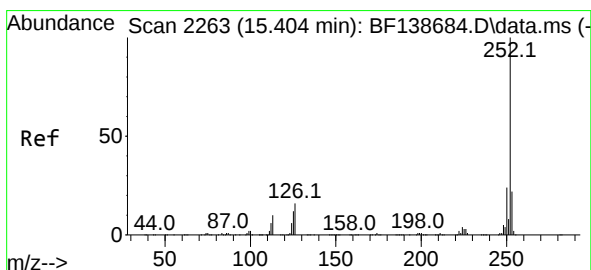
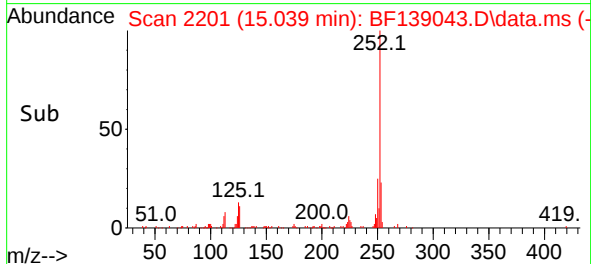
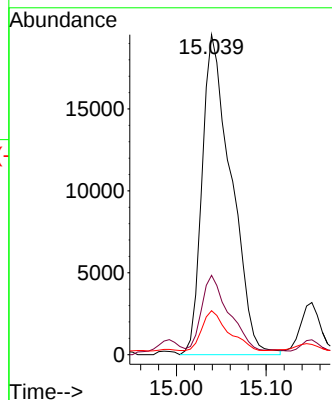
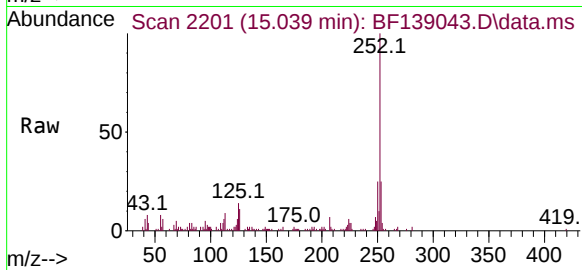
Tgt Ion:252 Resp: 43946

Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.0

125 13.8 8.6 13.0#



#90

Benzo(a)pyrene

Concen: 6.399 ng

RT: 15.404 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

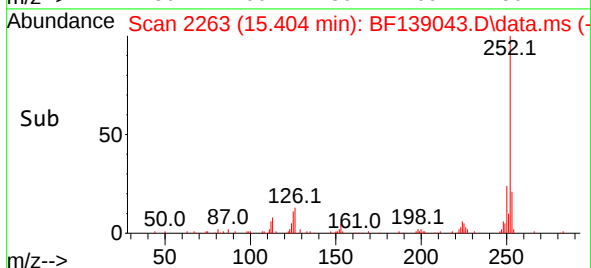
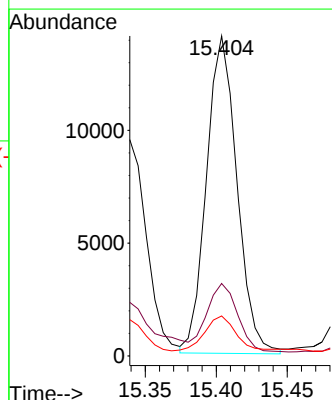
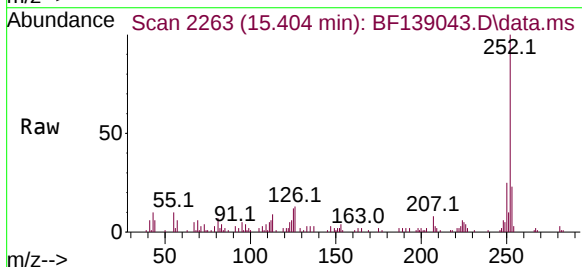
Tgt Ion:252 Resp: 21049

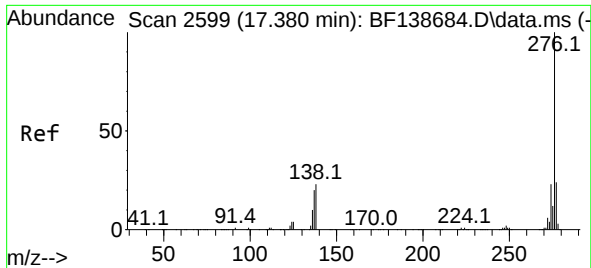
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 12.5 9.5 14.3





#92
Benzo(g,h,i)perylene
Concen: 2.514 ng
RT: 17.398 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

Instrument :
BNA_F
ClientSampleId :
A-TOPSOIL

Tgt Ion:276 Resp: 9682
Ion Ratio Lower Upper
276 100
277 32.6 19.0 28.4#
138 24.2 18.5 27.7

