

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
 Data File : BF139040.D
 Acq On : 16 Aug 2024 00:18
 Operator : RC/JU
 Sample : P3485-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-SOIL

Quant Time: Aug 16 00:52:50 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)

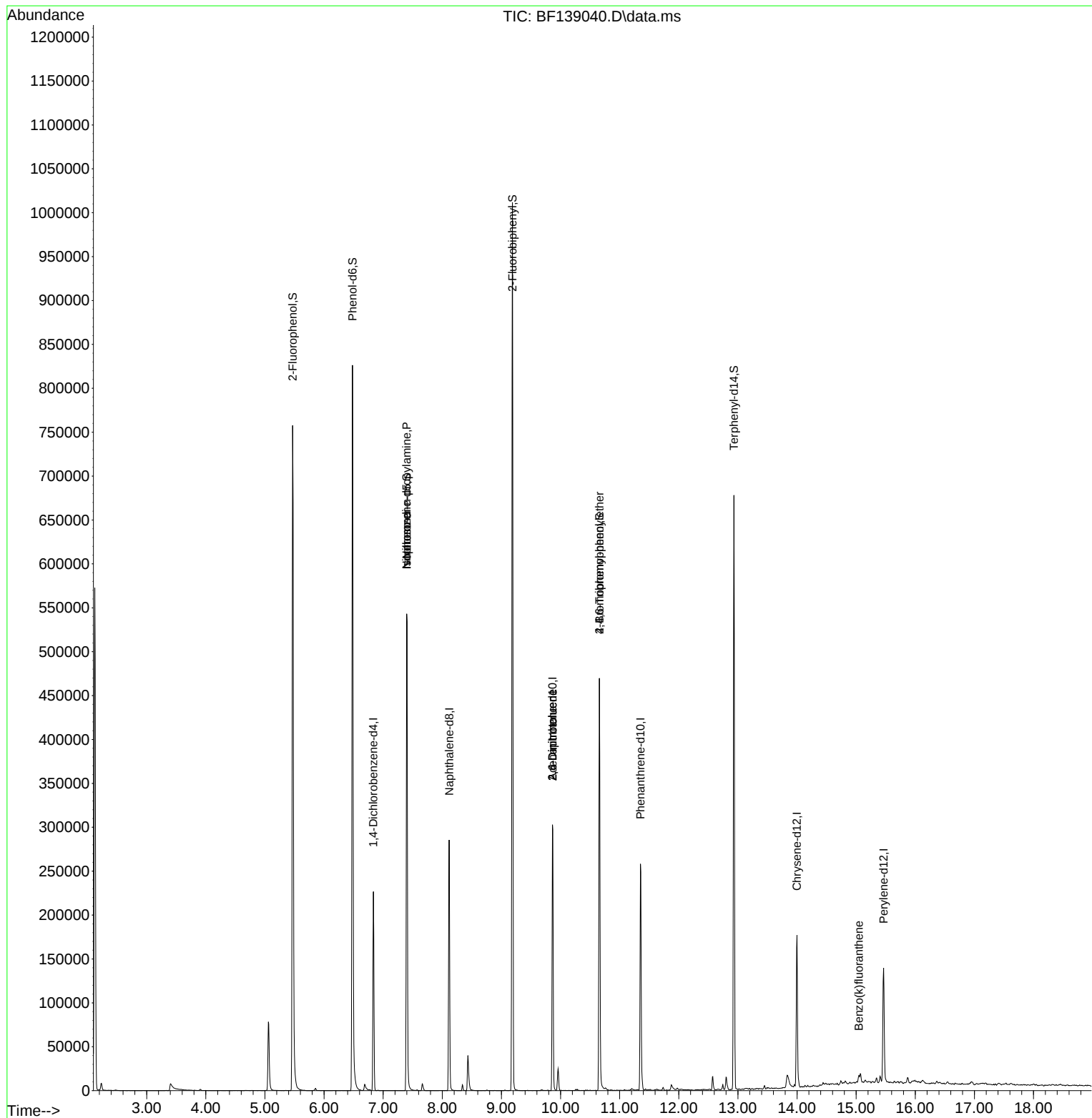
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	42385	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	167541	20.000	ng	-0.01
39) Acenaphthene-d10	9.863	164	90373	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	137979	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	77519	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	75133	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	262002	95.421	ng	0.00
7) Phenol-d6	6.481	99	350494	95.076	ng	0.00
23) Nitrobenzene-d5	7.398	82	235692	68.779	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	66148	89.356	ng	-0.01
45) 2-Fluorobiphenyl	9.187	172	406453	67.575	ng	-0.02
79) Terphenyl-d14	12.933	244	302060	65.239	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.398	70	34044	15.290	ng	# 78
25) Isophorone	7.398	82	235690	40.279	ng	# 66
51) 2,6-Dinitrotoluene	9.863	165	12289	9.423	ng	# 19
57) 2,4-Dinitrotoluene	9.863	165	12289	7.386	ng	# 16
67) 4-Bromophenyl-phenylether	10.657	248	4970	3.327	ng	# 1
89) Benzo(k)fluoranthene	15.045	252	8161	2.024	ng	97

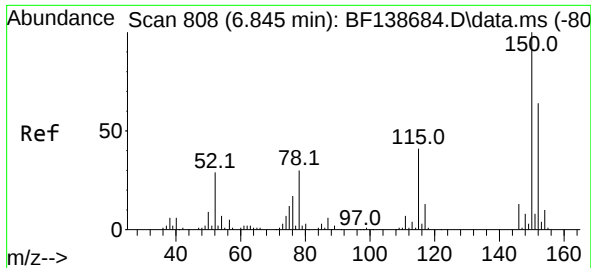
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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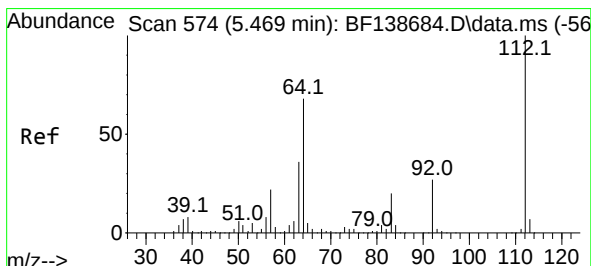
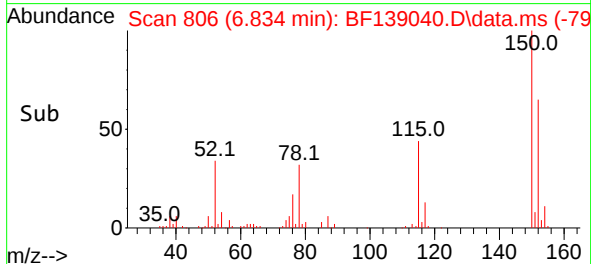
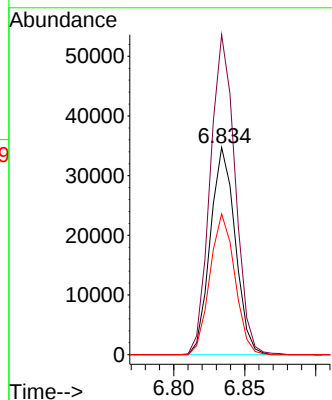
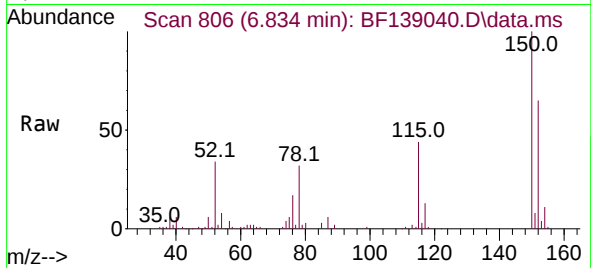




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF139040.D
Acq: 16 Aug 2024 00:18

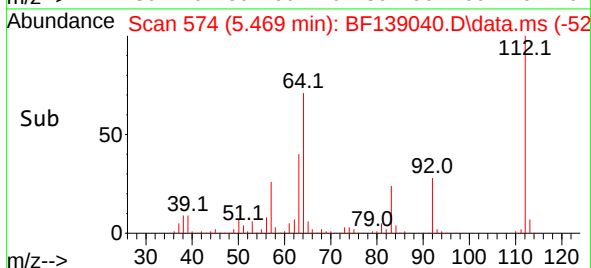
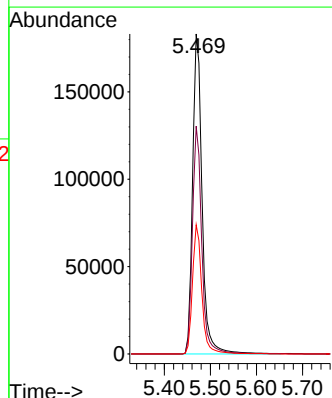
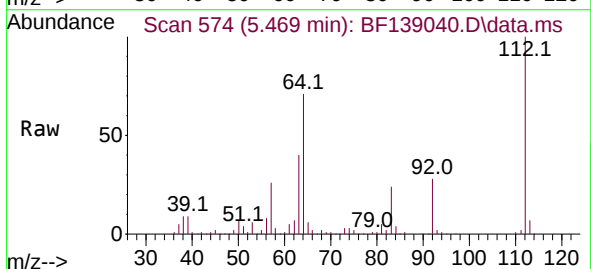
Instrument :
BNA_F
ClientSampleId :
C-SOIL

Tgt Ion:152 Resp: 42385
Ion Ratio Lower Upper
152 100
150 154.4 126.0 189.0
115 68.0 51.7 77.5



#5
2-Fluorophenol
Concen: 95.421 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF139040.D
Acq: 16 Aug 2024 00:18

Tgt Ion:112 Resp: 262002
Ion Ratio Lower Upper
112 100
64 71.2 54.2 81.4
63 40.4 28.7 43.1

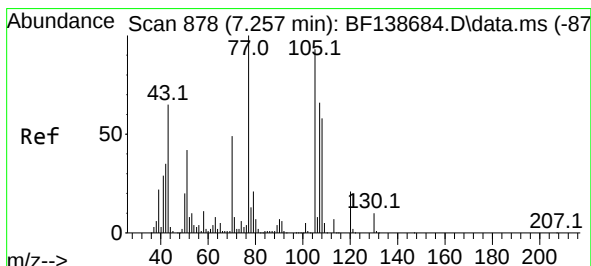
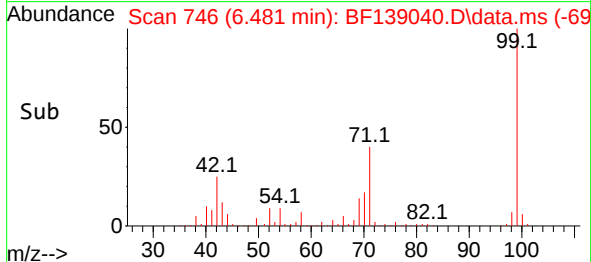
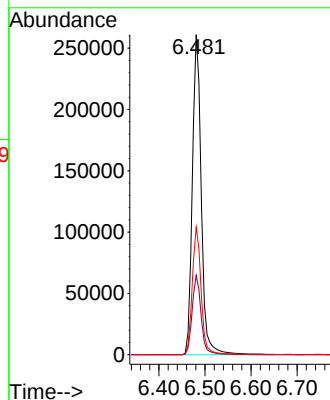
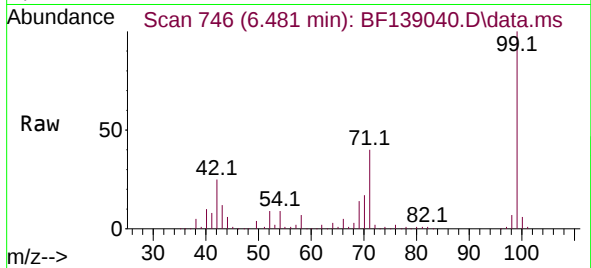




#7
Phenol-d6
Concen: 95.076 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139040.D
Acq: 16 Aug 2024 00:18

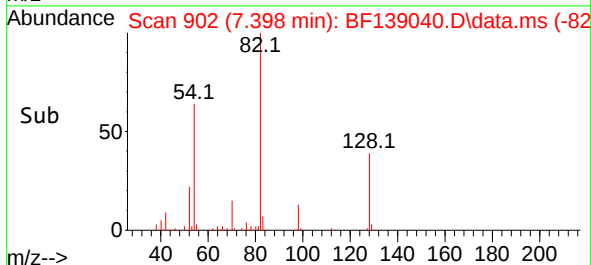
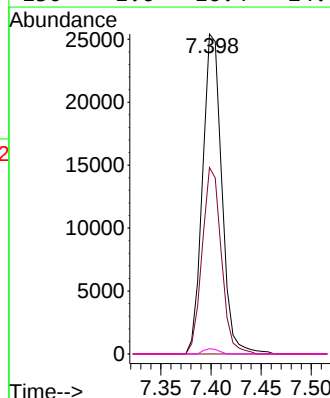
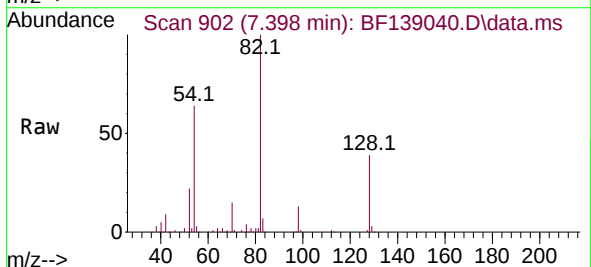
Instrument :
BNA_F
ClientSampleId :
C-SOIL

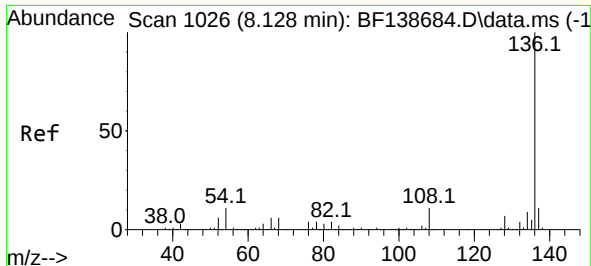
Tgt Ion: 99 Resp: 350494
Ion Ratio Lower Upper
99 100
42 24.7 17.4 26.0
71 39.8 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 15.290 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF139040.D
Acq: 16 Aug 2024 00:18

Tgt Ion: 70 Resp: 34044
Ion Ratio Lower Upper
70 100
42 58.3 57.4 86.0
101 0.0 7.5 11.3#
130 1.6 16.4 24.6#



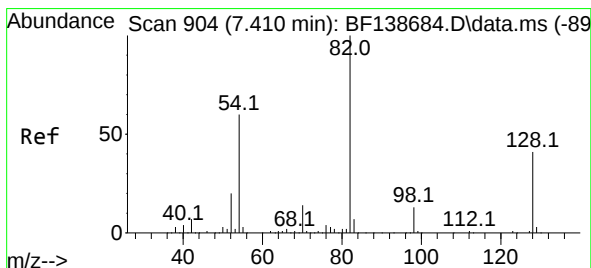
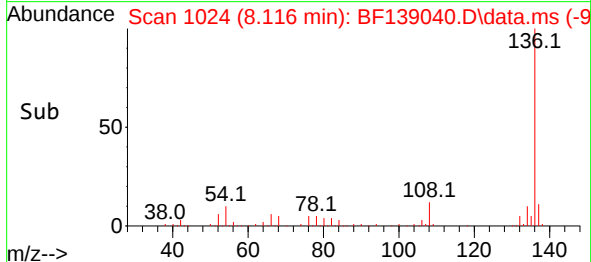
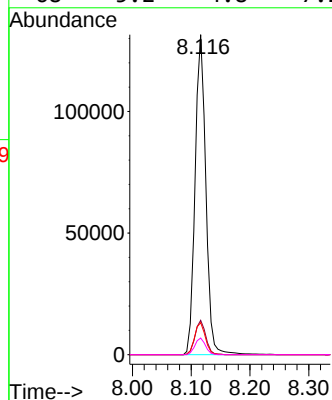
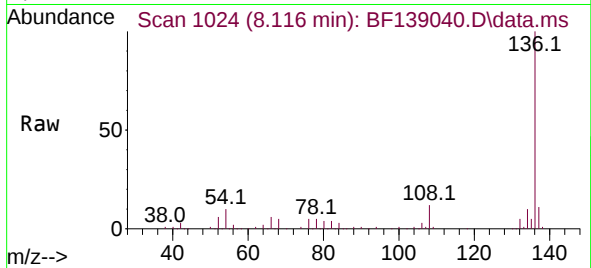


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139040.D
Acq: 16 Aug 2024 00:18

Instrument :
BNA_F
ClientSampleId :
C-SOIL

Tgt Ion:136 Resp: 167541

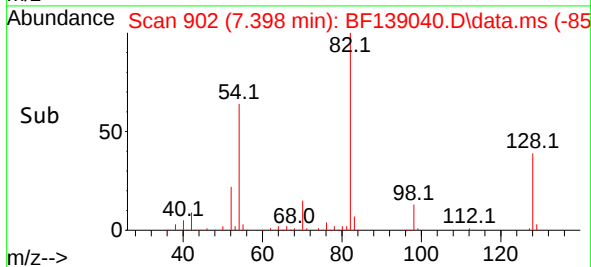
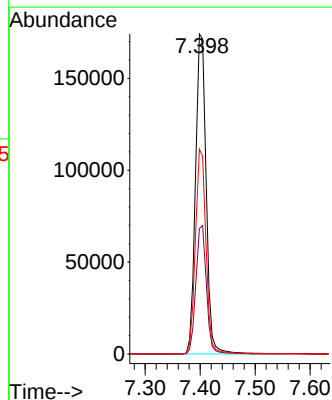
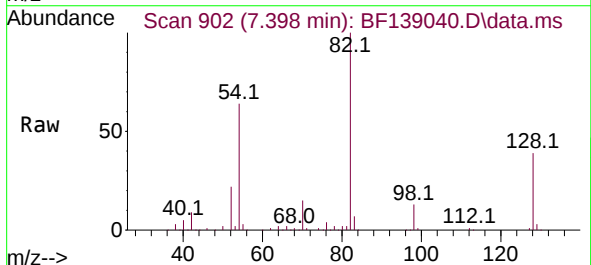
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.0	8.6	12.8
68	5.2	4.8	7.2

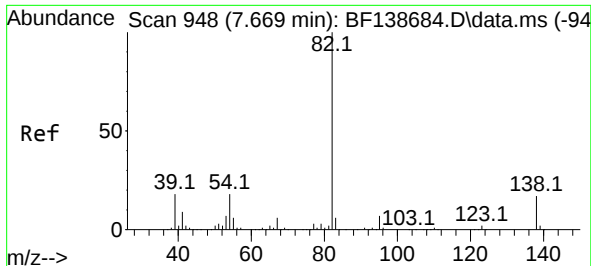


#23
Nitrobenzene-d5
Concen: 68.779 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF139040.D
Acq: 16 Aug 2024 00:18

Tgt Ion: 82 Resp: 235692

Ion	Ratio	Lower	Upper
82	100		
128	39.2	32.8	49.2
54	64.0	48.3	72.5

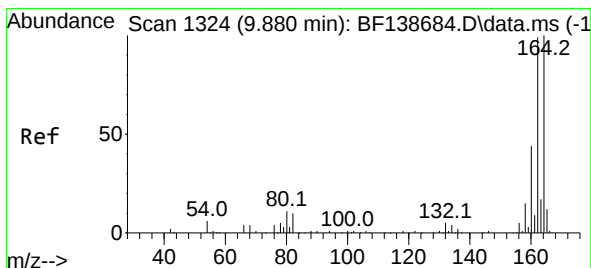
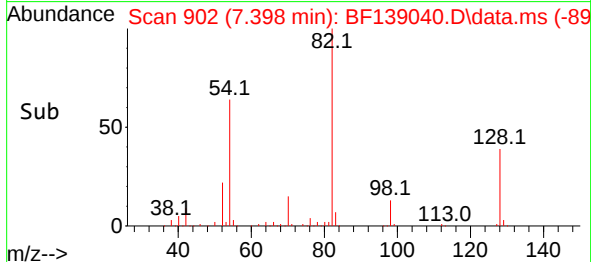
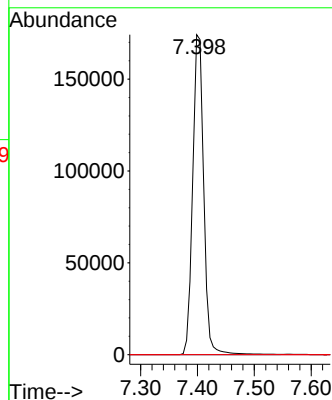
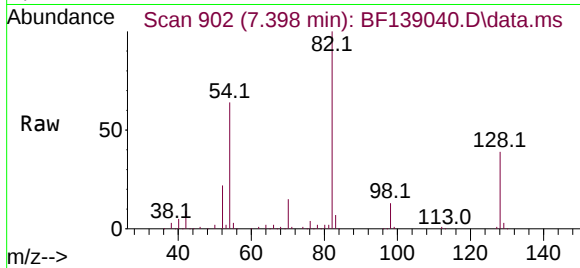




#25
Isophorone
Concen: 40.279 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139040.D
Acq: 16 Aug 2024 00:18

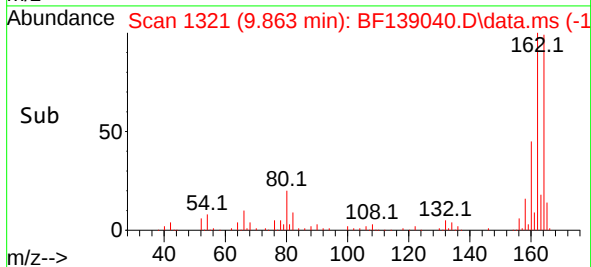
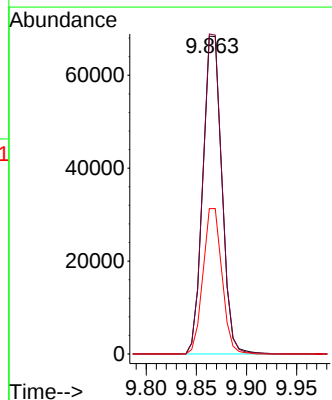
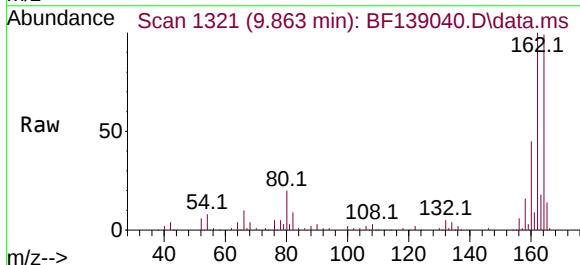
Instrument :
BNA_F
ClientSampleId :
C-SOIL

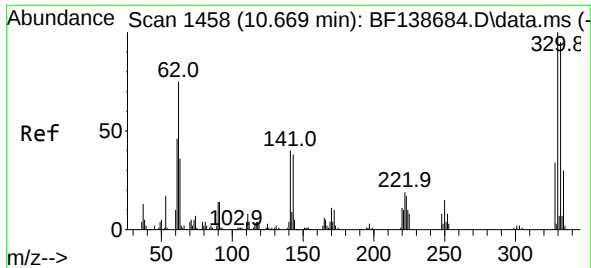
Tgt Ion: 82 Resp: 235690
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.017 min
Lab File: BF139040.D
Acq: 16 Aug 2024 00:18

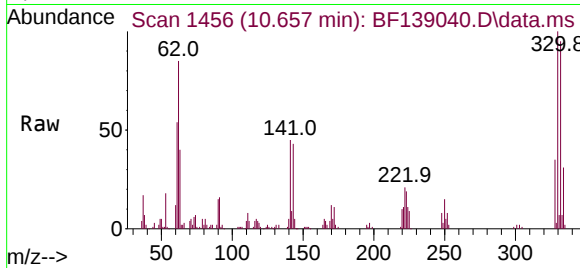
Tgt Ion:164 Resp: 90373
Ion Ratio Lower Upper
164 100
162 100.7 79.4 119.0
160 45.7 35.1 52.7



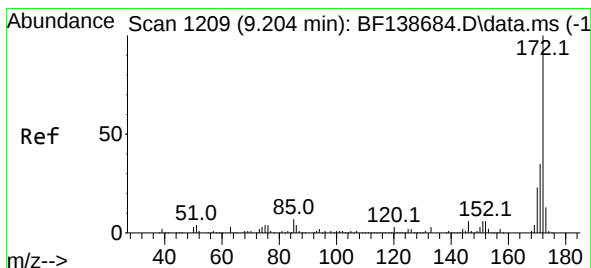
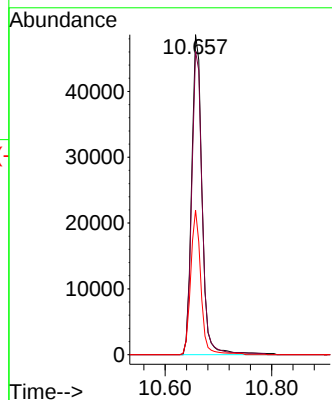
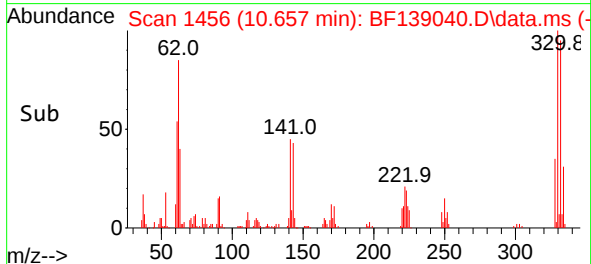


#42
 2,4,6-Tribromophenol
 Concen: 89.356 ng
 RT: 10.657 min Scan# 1458
 Delta R.T. -0.012 min
 Lab File: BF139040.D
 Acq: 16 Aug 2024 00:18

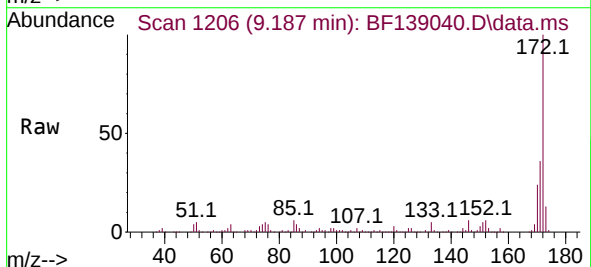
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 ClientSampleId :
 C-SOIL



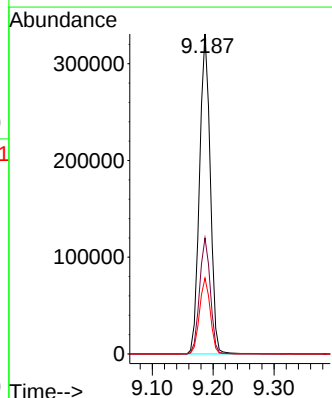
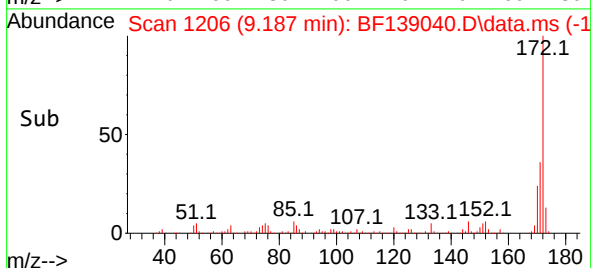
Tgt Ion:330 Resp: 66148
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.4 114.6
 141 44.0 31.1 46.7

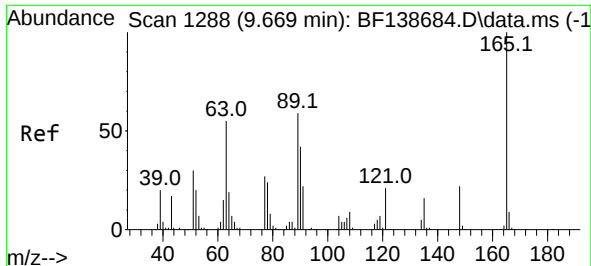


#45
 2-Fluorobiphenyl
 Concen: 67.575 ng
 RT: 9.187 min Scan# 1206
 Delta R.T. -0.018 min
 Lab File: BF139040.D
 Acq: 16 Aug 2024 00:18



Tgt Ion:172 Resp: 406453
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.3 42.5
 170 23.7 18.8 28.2

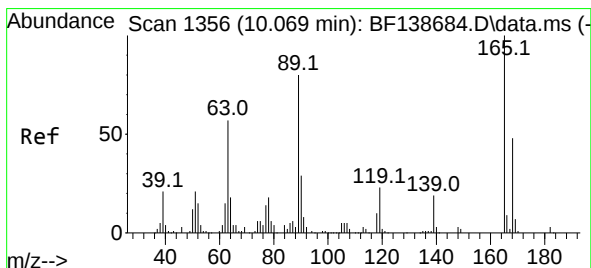
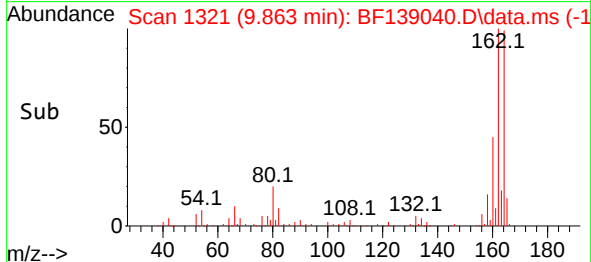
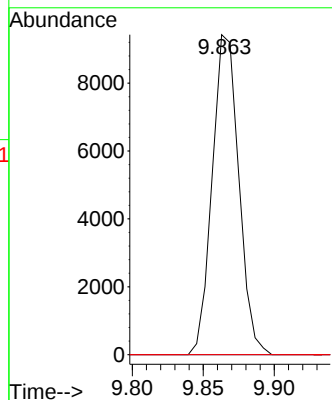
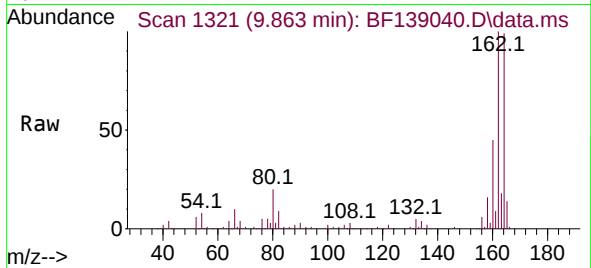




#51
2,6-Dinitrotoluene
Concen: 9.423 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF139040.D
Acq: 16 Aug 2024 00:18

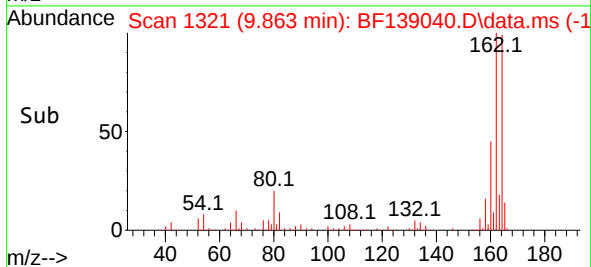
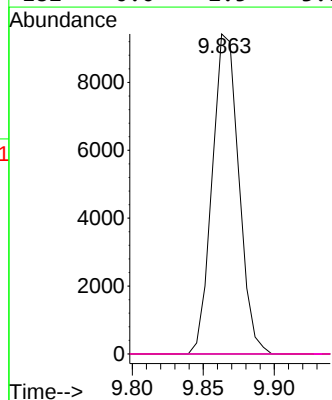
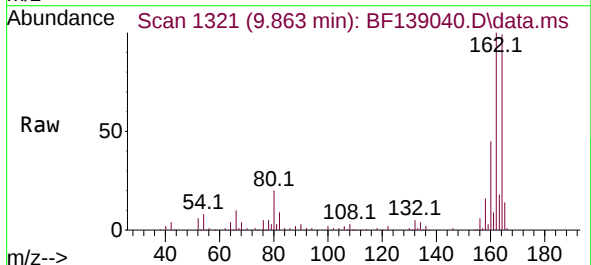
Instrument :
BNA_F
ClientSampleId :
C-SOIL

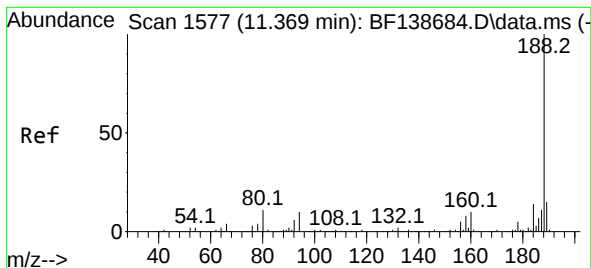
Tgt Ion:165 Resp: 12289
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#



#57
2,4-Dinitrotoluene
Concen: 7.386 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.206 min
Lab File: BF139040.D
Acq: 16 Aug 2024 00:18

Tgt Ion:165 Resp: 12289
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: 11.351 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF139040.D

Acq: 16 Aug 2024 00:18

Instrument :

BNA_F

ClientSampleId :

C-SOIL

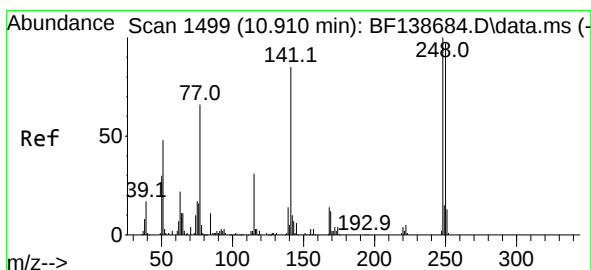
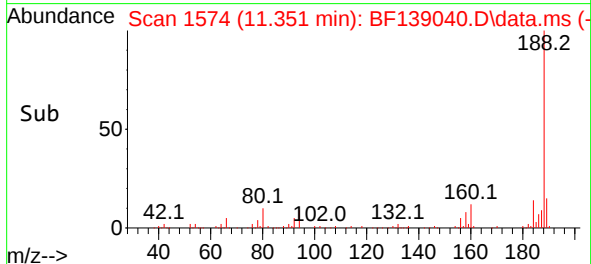
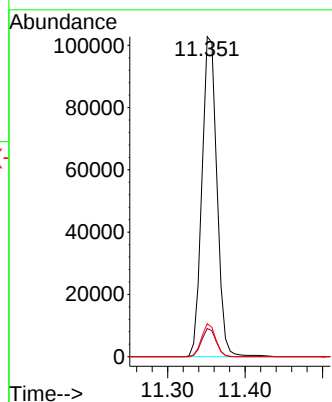
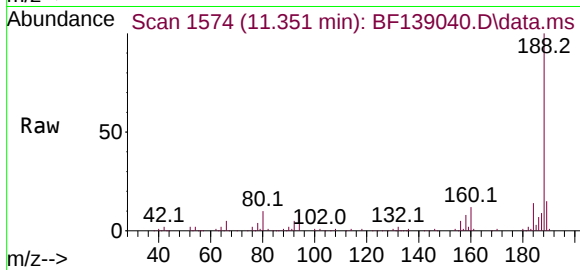
Tgt Ion:188 Resp: 137979

Ion Ratio Lower Upper

188 100

94 8.8 7.6 11.4

80 10.3 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 3.327 ng

RT: 10.657 min Scan# 1456

Delta R.T. -0.253 min

Lab File: BF139040.D

Acq: 16 Aug 2024 00:18

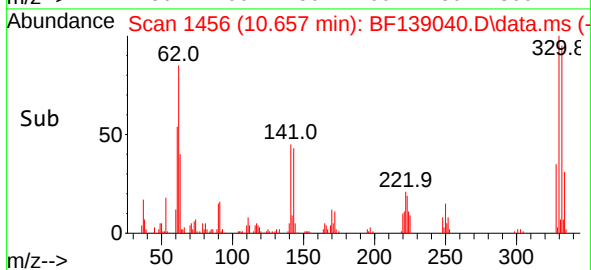
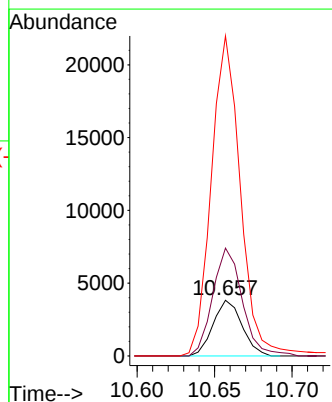
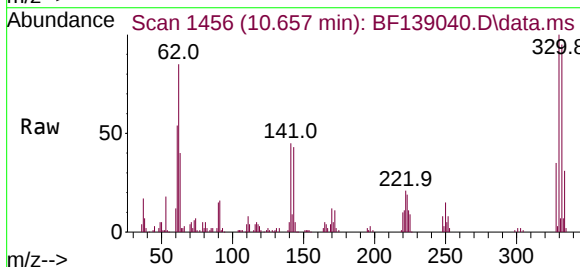
Tgt Ion:248 Resp: 4970

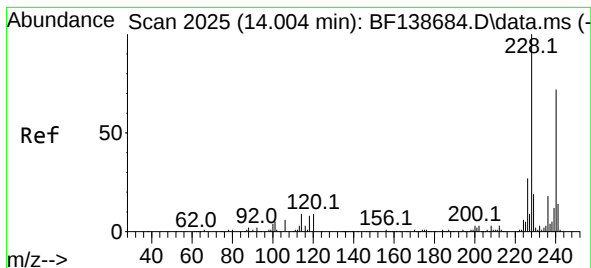
Ion Ratio Lower Upper

248 100

250 193.6 77.7 116.5#

141 574.1 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: BF139040.D

Acq: 16 Aug 2024 00:18

Instrument :

BNA_F

ClientSampleId :

C-SOIL

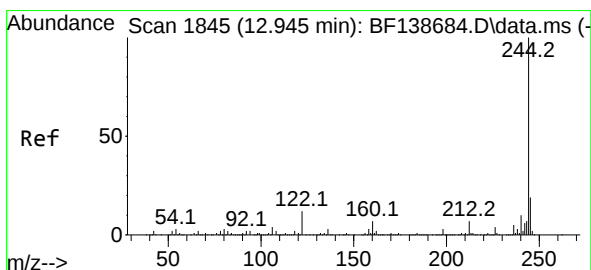
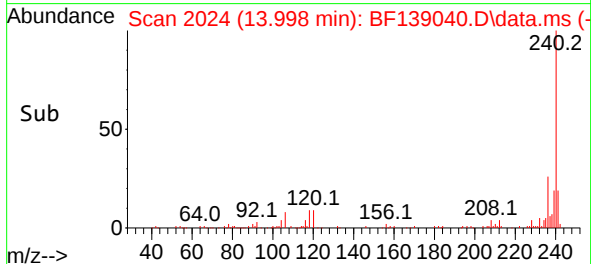
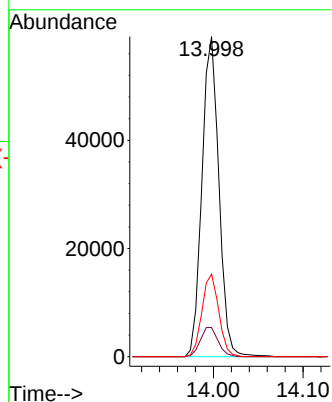
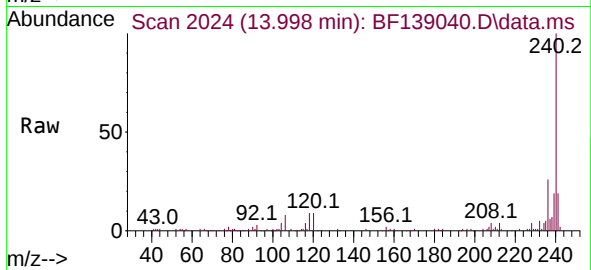
Tgt Ion:240 Resp: 77519

Ion Ratio Lower Upper

240 100

120 9.1 10.2 15.4#

236 25.8 19.8 29.8



#79

Terphenyl-d14

Concen: 65.239 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.012 min

Lab File: BF139040.D

Acq: 16 Aug 2024 00:18

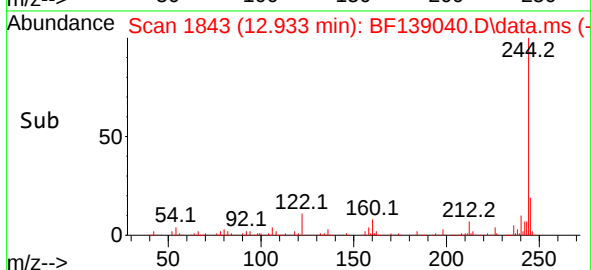
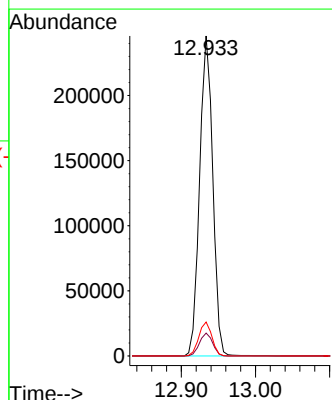
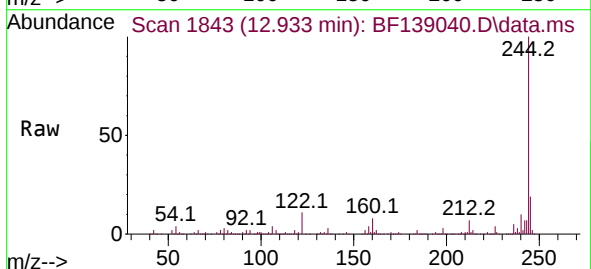
Tgt Ion:244 Resp: 302060

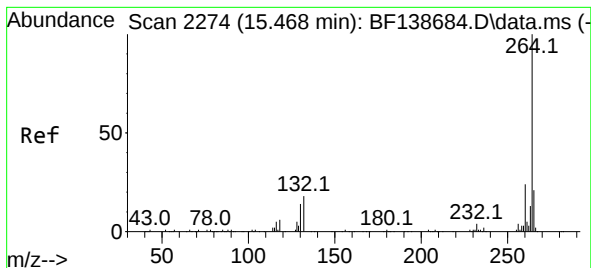
Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 10.6 9.6 14.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139040.D

Acq: 16 Aug 2024 00:18

Instrument :

BNA_F

ClientSampleId :

C-SOIL

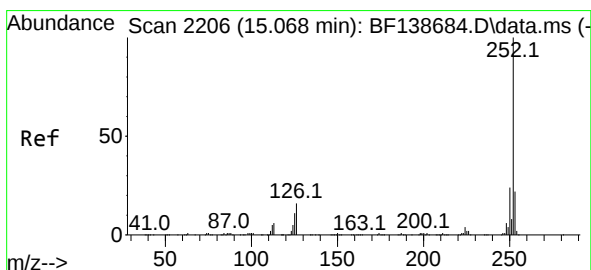
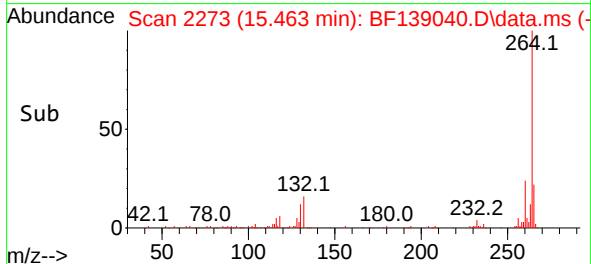
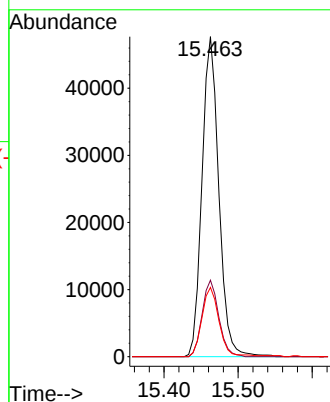
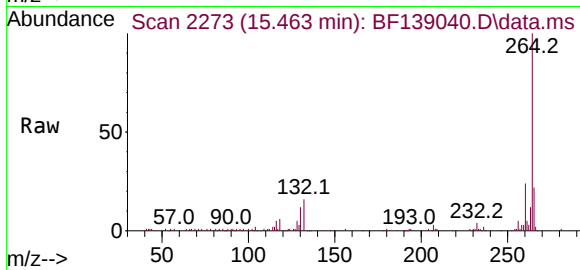
Tgt Ion:264 Resp: 75133

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 21.6 17.0 25.6



#89

Benzo(k)fluoranthene

Concen: 2.024 ng

RT: 15.045 min Scan# 2202

Delta R.T. -0.023 min

Lab File: BF139040.D

Acq: 16 Aug 2024 00:18

Tgt Ion:252 Resp: 8161

Ion Ratio Lower Upper

252 100

253 20.8 17.4 26.0

125 12.9 8.6 13.0

