

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

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
 Supervised By :mohammad ahmed 08/17/2024

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
50) Dimethylphthalate	9.587	163	18026	3.561	ng	100
71) Phenanthrene	11.381	178	20715	3.777	ng	97
75) Fluoranthene	12.569	202	63392	12.380	ng	98
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	33246m	8.502	ng	
89) Benzo(k)fluoranthene	15.057	252	10152m	2.998	ng	
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

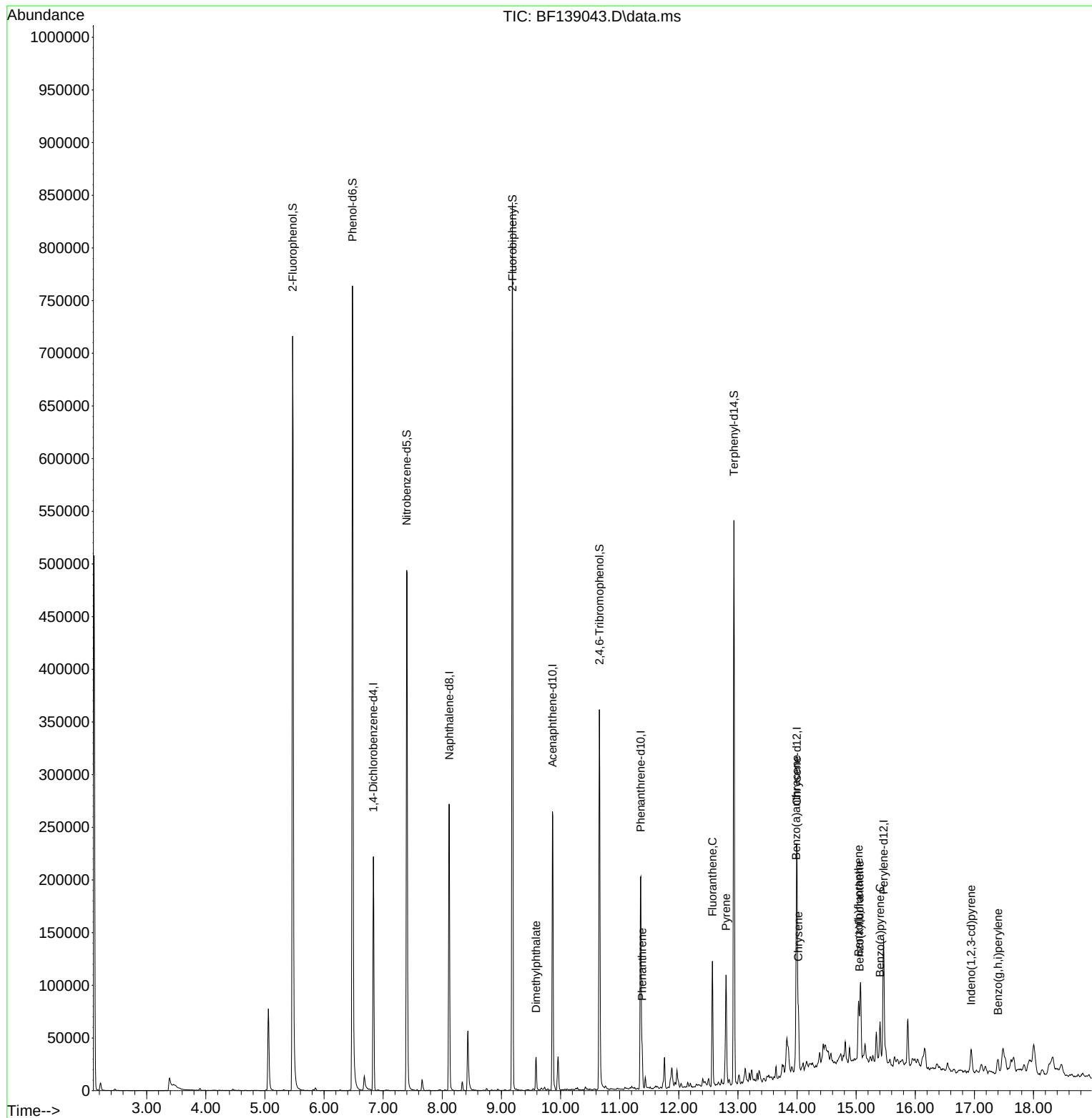
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139043.D
Acq On : 16 Aug 2024 01:49
Operator : RC/JU
Sample : P3483-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

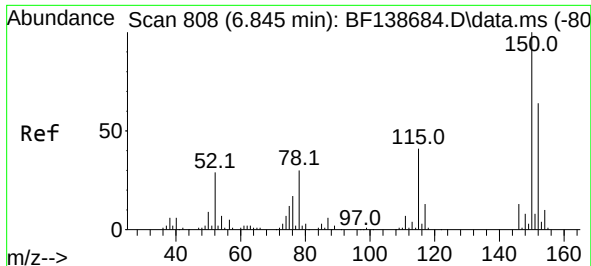
Instrument :
BNA_F
ClientSampleId :
A-TOPSOIL

Quant Time: Aug 16 02:55:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
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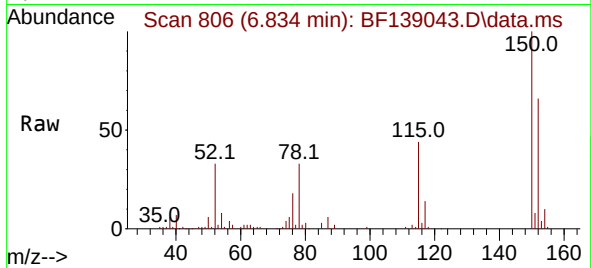
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

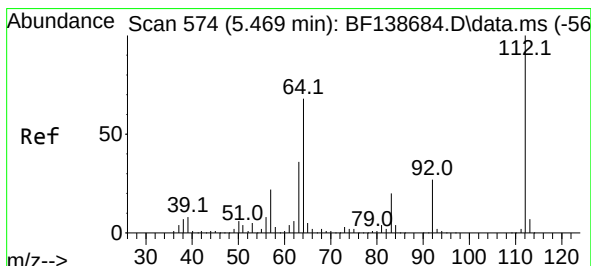
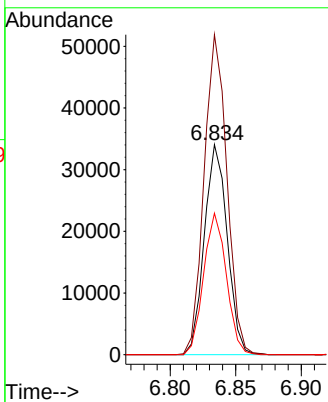
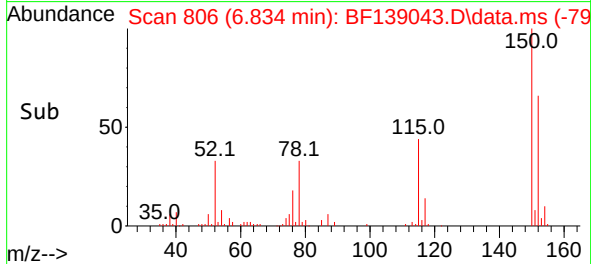
Instrument :
BNA_F
ClientSampleId :
A-TOPSOIL



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

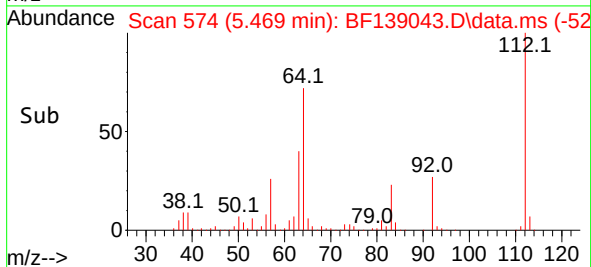
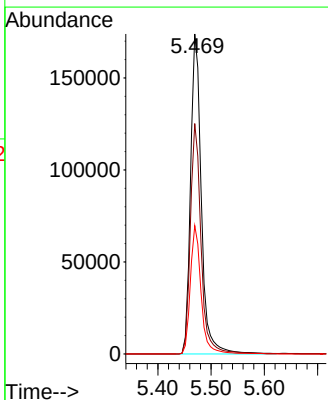
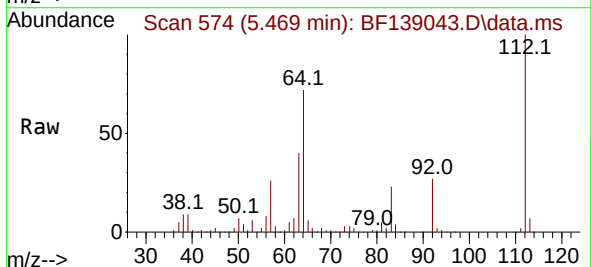
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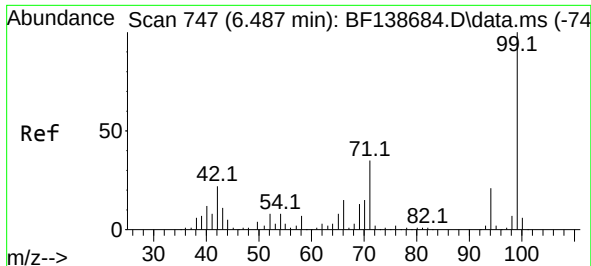
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#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

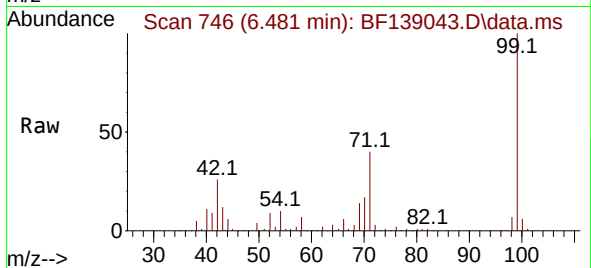
Tgt Ion:112 Resp: 245195
Ion Ratio Lower Upper
112 100
64 72.0 54.2 81.4
63 40.1 28.7 43.1





#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

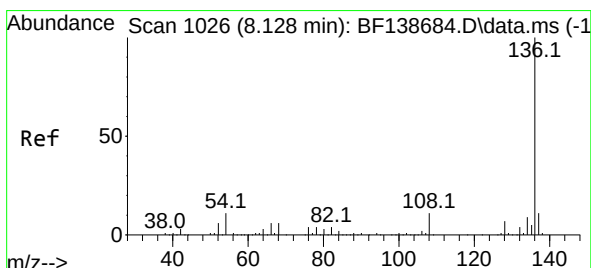
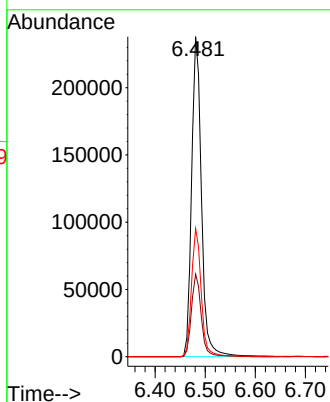
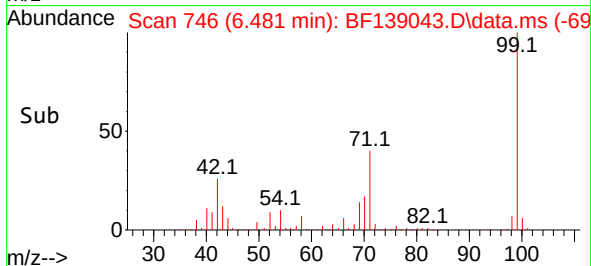
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 324490
Ion Ratio Lower Upper
99 100
42 25.8 17.4 26.0
71 40.0 28.1 42.1

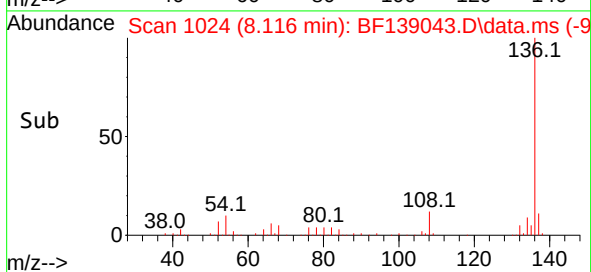
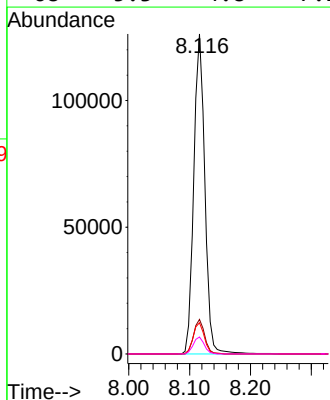
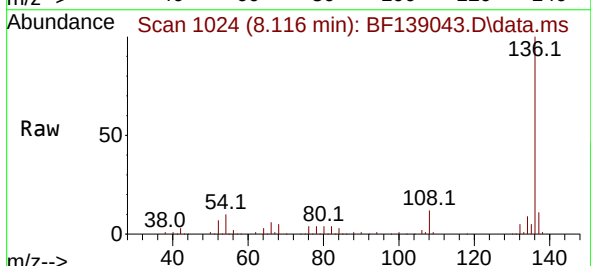
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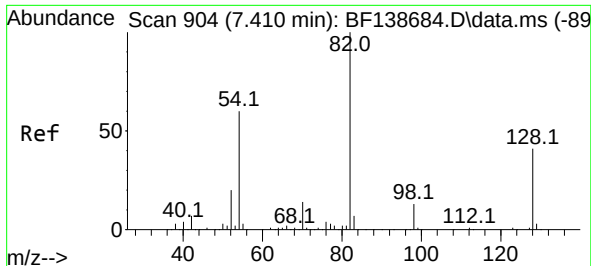
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#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

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# 904

Delta R.T. -0.012 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

Instrument :

BNA_F

ClientSampleId :

A-TOPSOIL

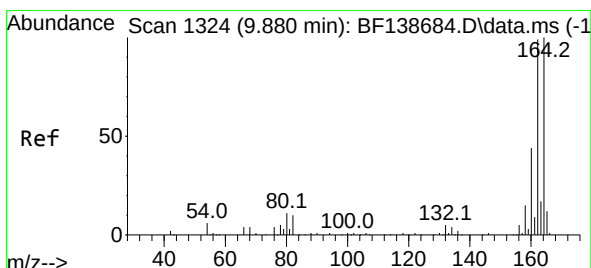
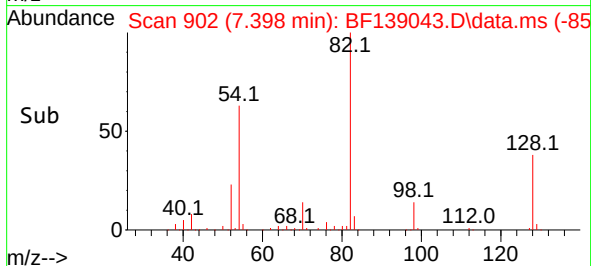
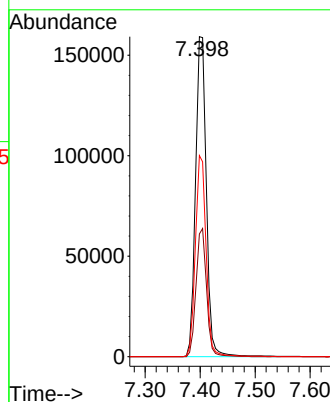
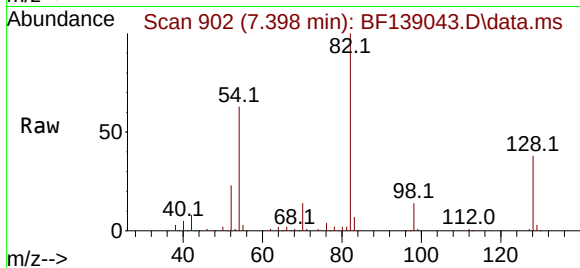
Tgt Ion: 82 Resp: 21749

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

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1321

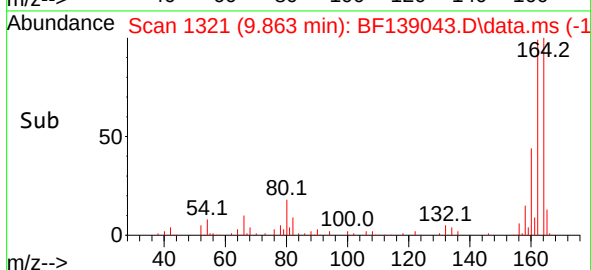
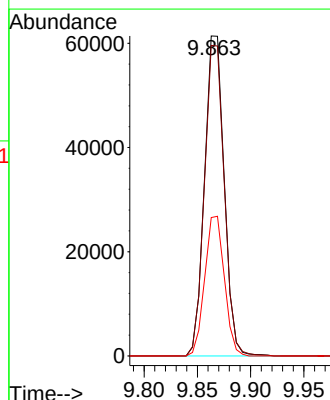
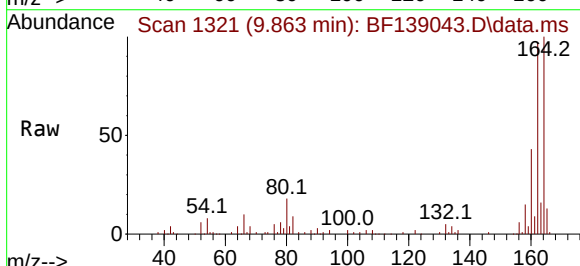
Delta R.T. -0.017 min

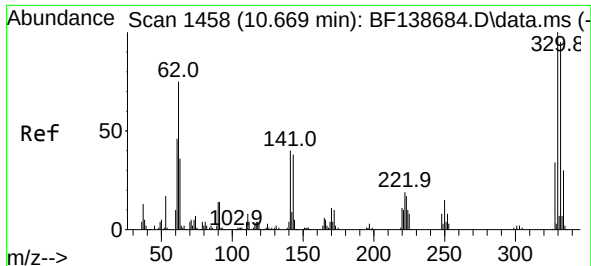
Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

Tgt Ion:164 Resp: 79178

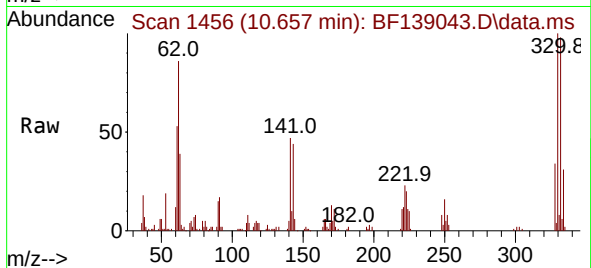
Ion	Ratio	Lower	Upper
164	100		
162	97.0	79.4	119.0
160	43.2	35.1	52.7





#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

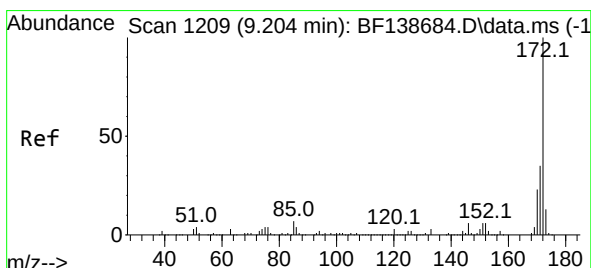
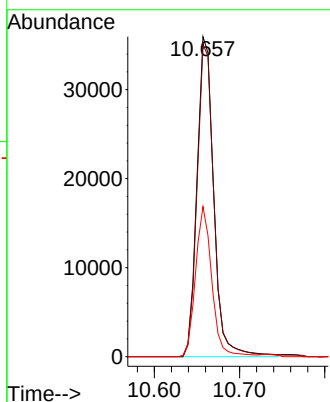
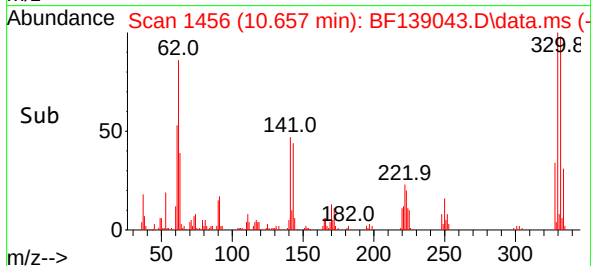
Instrument :
BNA_F
ClientSampleId :
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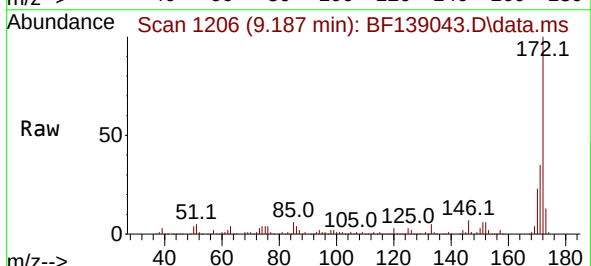
Tgt Ion: 330 Resp: 49180
Ion Ratio Lower Upper
330 100
332 98.5 76.4 114.6
141 45.4 31.1 46.7

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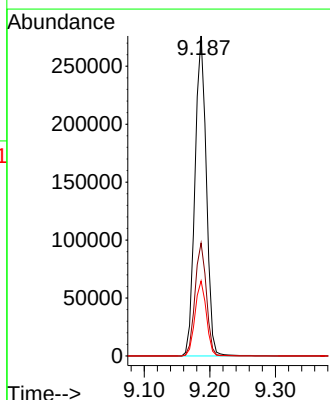
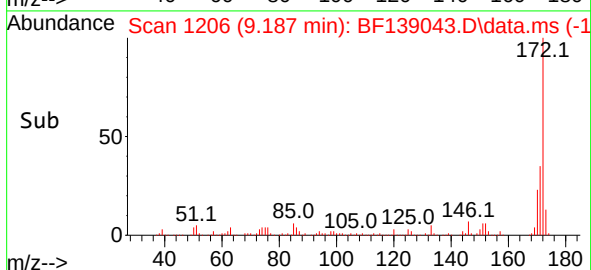
Reviewed By : Jagrut Upadhyay 08/16/2024
Supervised By : mohammad ahmed 08/17/2024

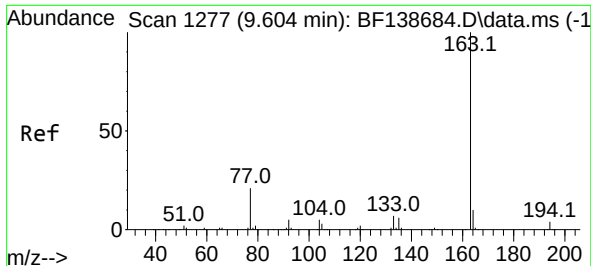


#45
2-Fluorobiphenyl
Concen: 63.402 ng
RT: 9.187 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49



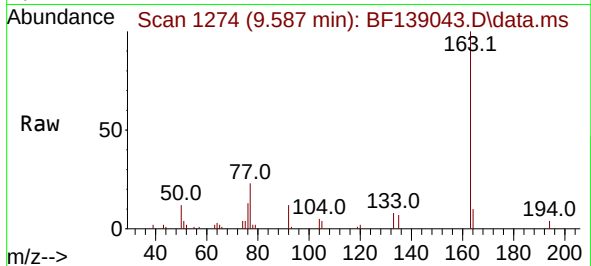
Tgt Ion: 172 Resp: 334113
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.5 18.8 28.2





#50
Dimethylphthalate
Concen: 3.561 ng
RT: 9.587 min Scan# 1575
Delta R.T. -0.018 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

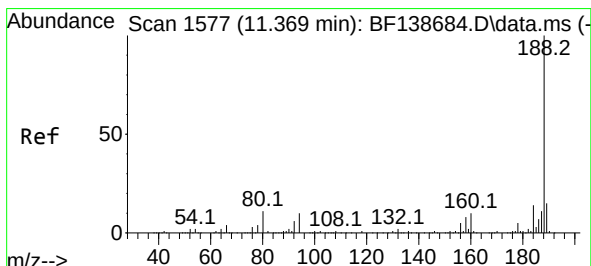
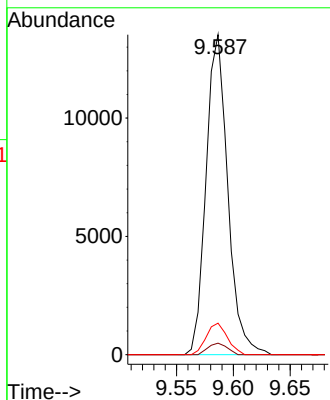
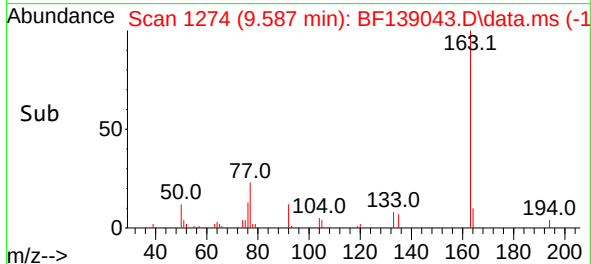
Instrument :
BNA_F
ClientSampleId :
A-TOPSOIL



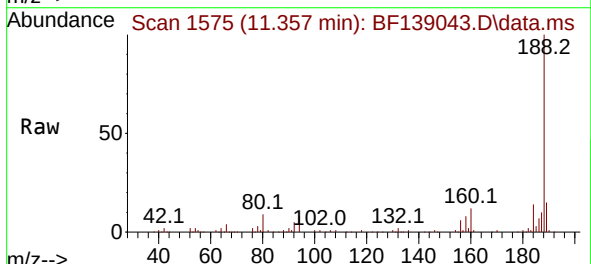
Tgt Ion:163 Resp: 18020
Ion Ratio Lower Upper
163 100
194 3.6 3.1 4.7
164 9.8 7.8 11.8

Manual Integrations
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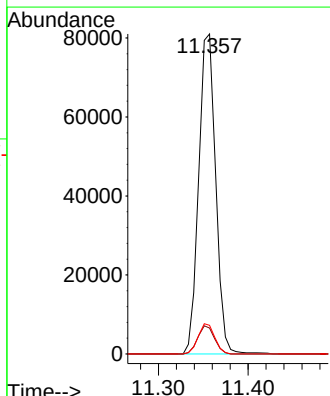
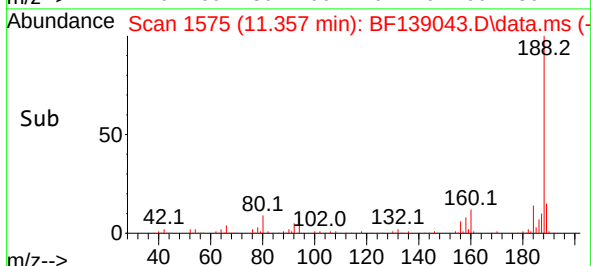
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

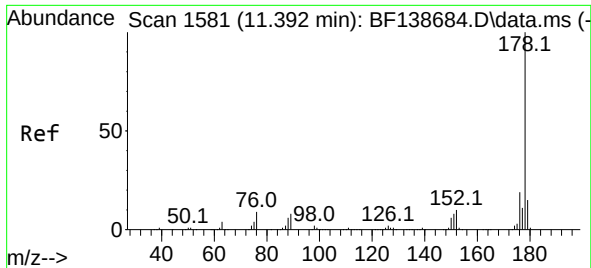


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49



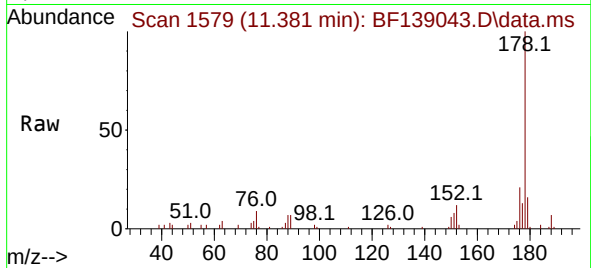
Tgt Ion:188 Resp: 106523
Ion Ratio Lower Upper
188 100
94 8.1 7.6 11.4
80 8.9 8.6 12.8





#71
Phenanthrene
Concen: 3.777 ng
RT: 11.381 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

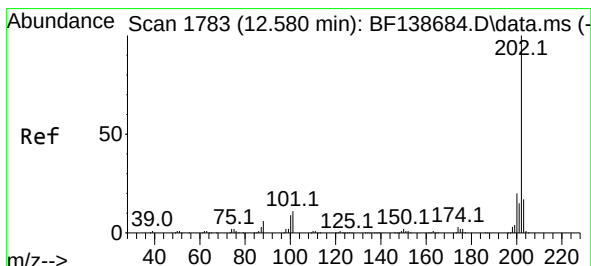
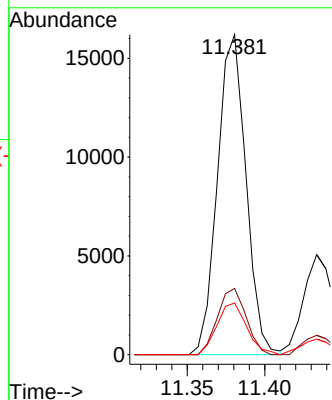
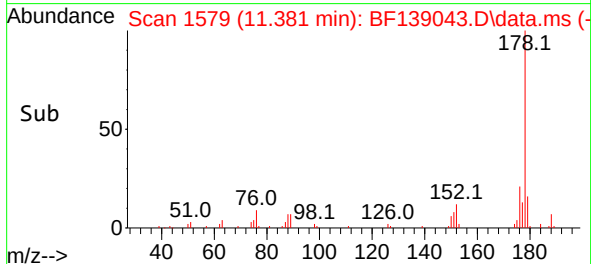
Instrument :
BNA_F
ClientSampleId :
A-TOPSOIL



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

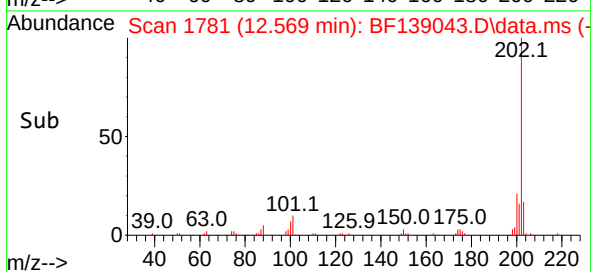
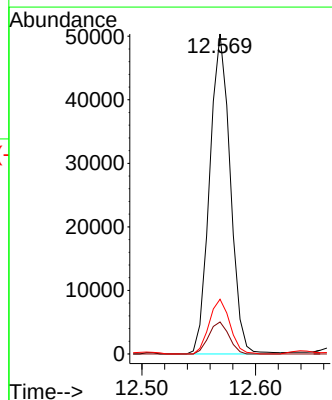
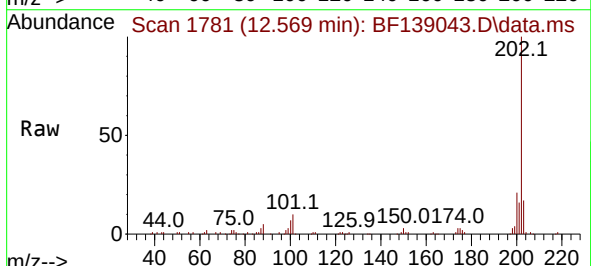
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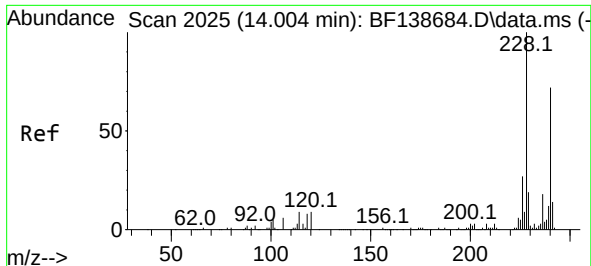
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#75
Fluoranthene
Concen: 12.380 ng
RT: 12.569 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

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





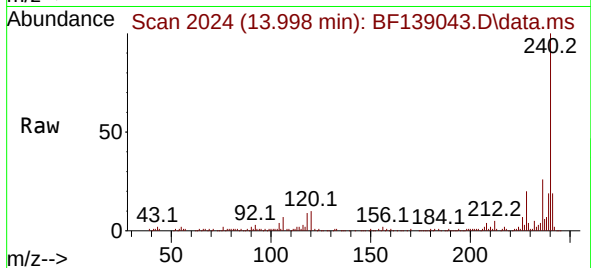
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF139043.D
Acq: 16 Aug 2024 01:49

Instrument :

BNA_F

ClientSampleId :

A-TOPSOIL

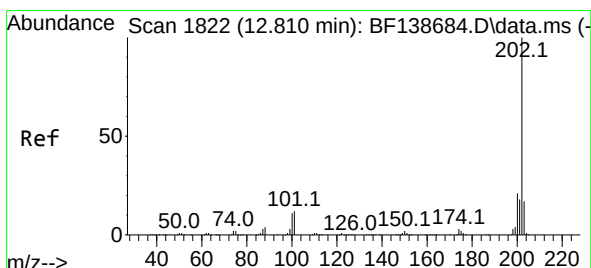
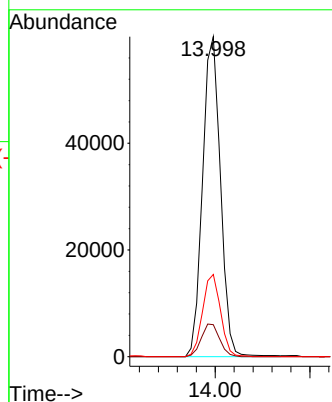
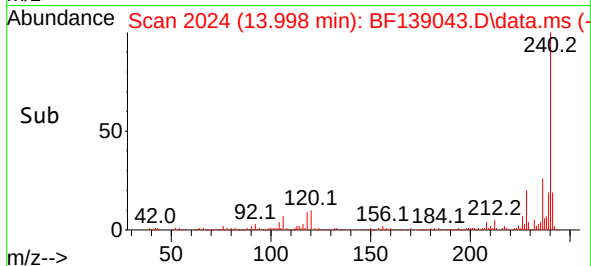


Tgt Ion:240 Resp: 78589
Ion Ratio Lower Upper
240 100
120 10.0 10.2 15.4
236 25.7 19.8 29.8

Manual Integrations

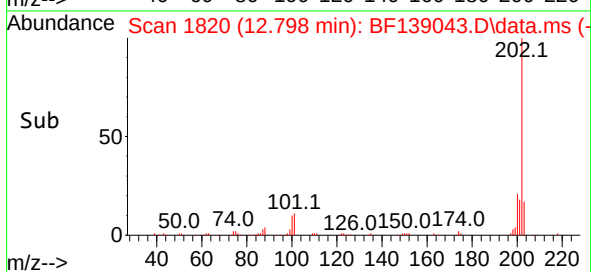
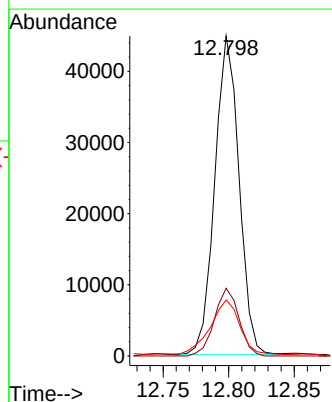
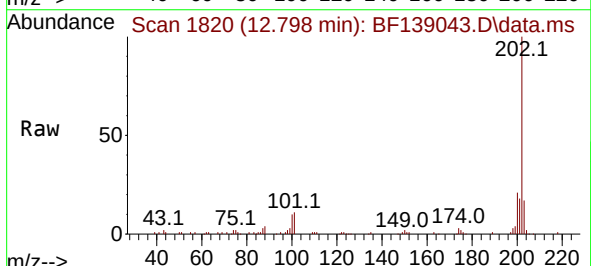
APPROVED

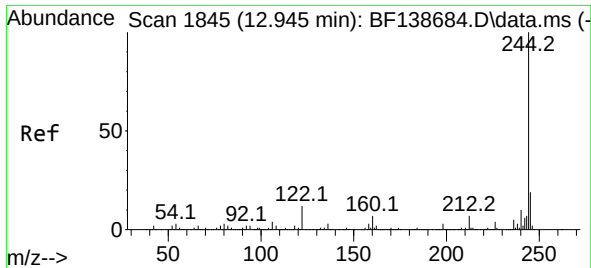
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#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

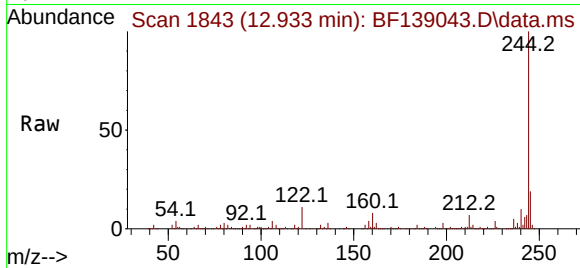
Tgt Ion:202 Resp: 57556
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 17.5 13.8 20.6





#79
 Terphenyl-d14
 Concen: 49.950 ng
 RT: 12.933 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF139043.D
 Acq: 16 Aug 2024 01:49

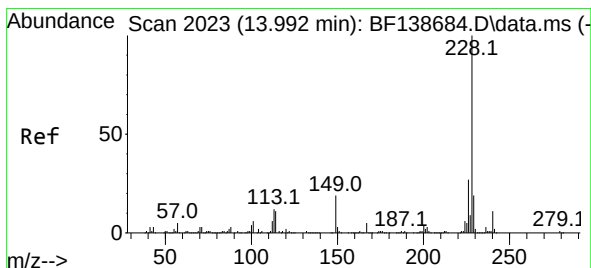
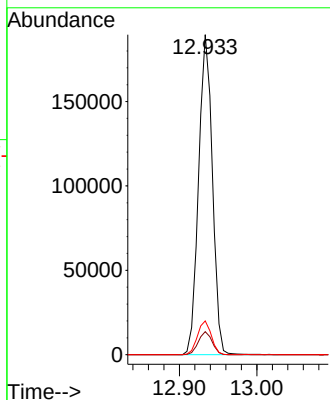
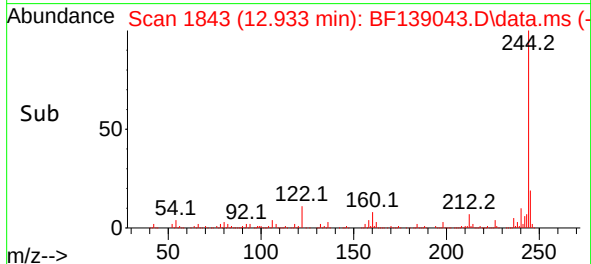
Instrument :
 BNA_F
 ClientSampleId :
 A-TOPSOIL



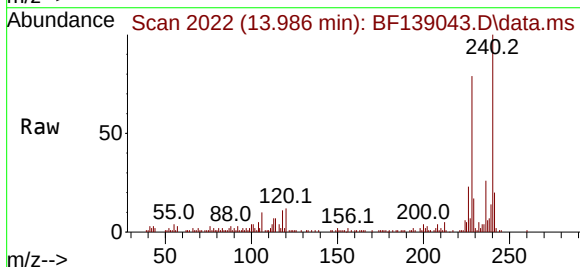
Tgt Ion:244 Resp: 23446
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 10.5 9.6 14.4

Manual Integrations
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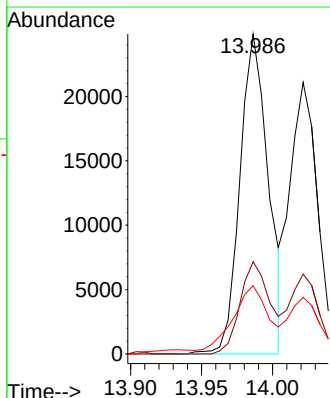
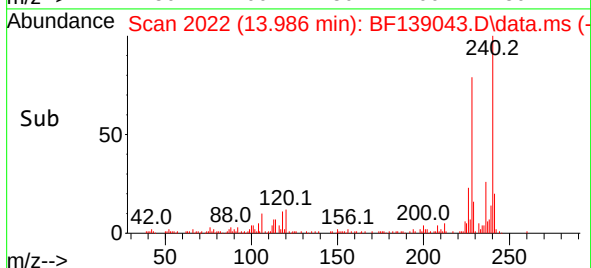
Reviewed By :Jagrut Upadhyay 08/16/2024
 Supervised By :mohammad ahmed 08/17/2024

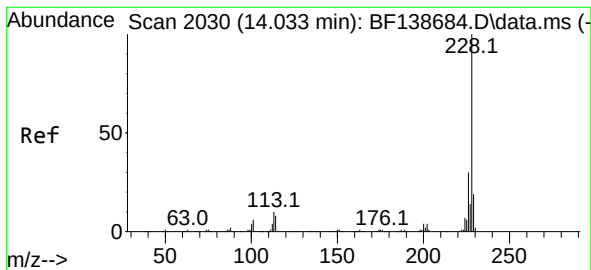


#81
 Benzo(a)anthracene
 Concen: 6.397 ng
 RT: 13.986 min Scan# 2022
 Delta R.T. -0.006 min
 Lab File: BF139043.D
 Acq: 16 Aug 2024 01:49



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 :

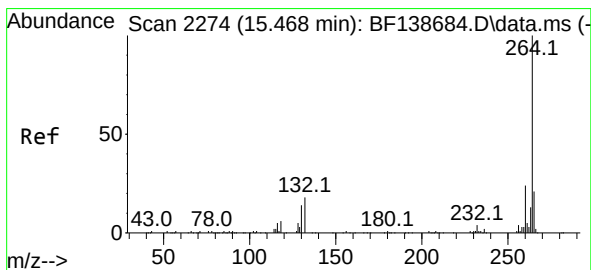
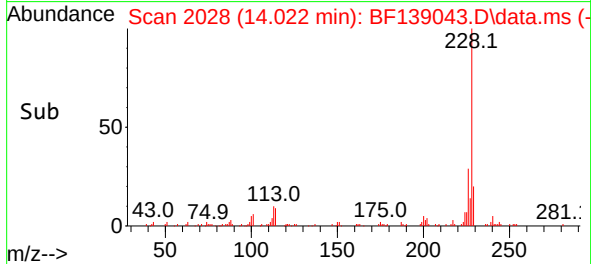
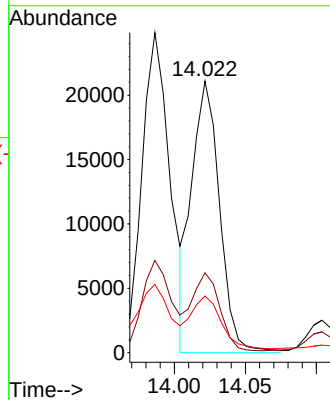
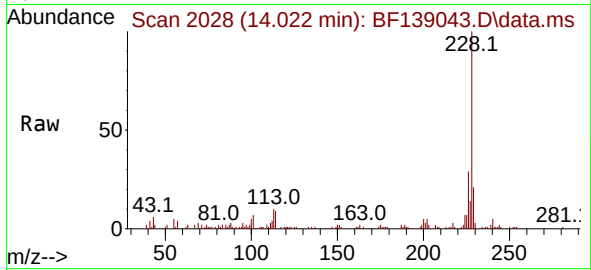
A-TOPSOIL

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

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#86

Perylene-d12

Concen: 20.000 ng

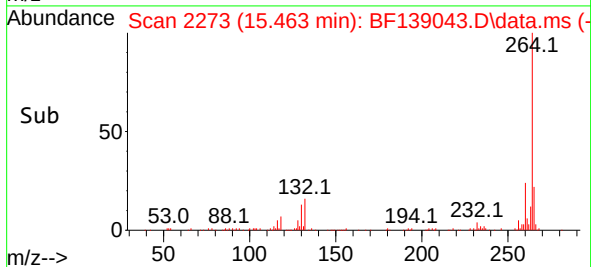
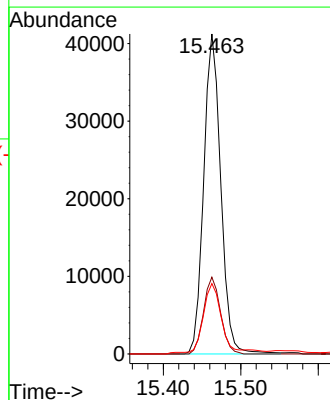
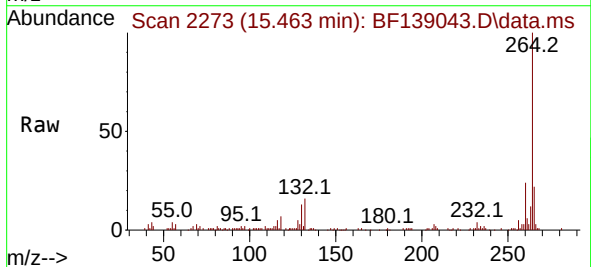
RT: 15.463 min Scan# 2273

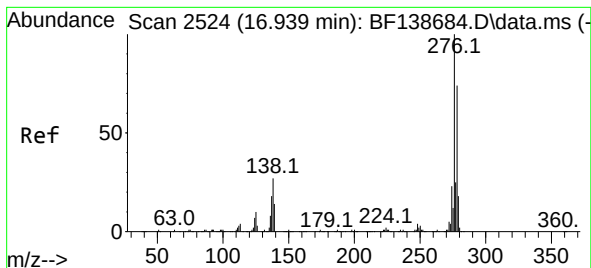
Delta R.T. -0.006 min

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 :

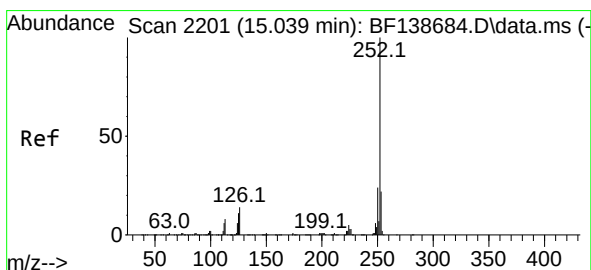
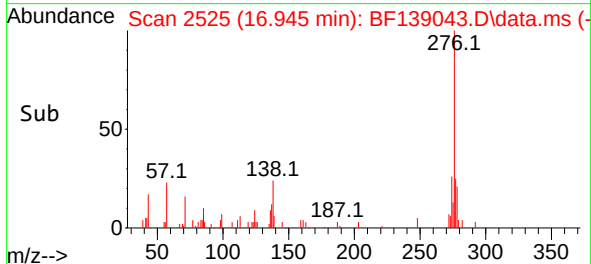
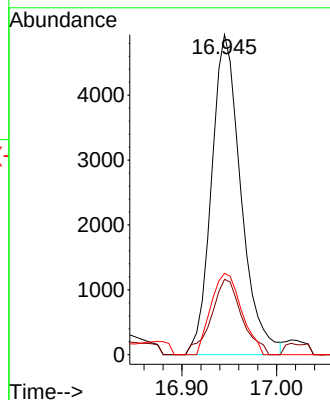
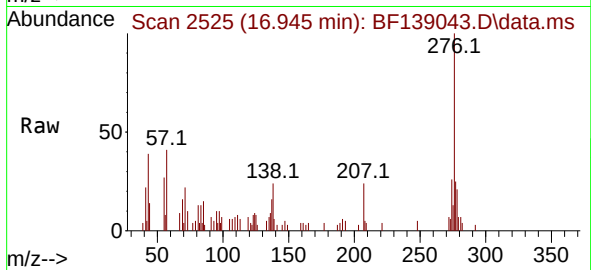
A-TOPSOIL

Tgt Ion:	276	Resp:	1065
Ion Ratio	Lower	Upper	
276	100		
138	24.6	21.8	32.8
277	26.4	20.6	30.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#88

Benzo(b)fluoranthene

Concen: 8.502 ng m

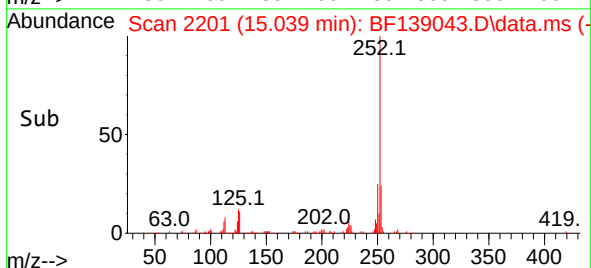
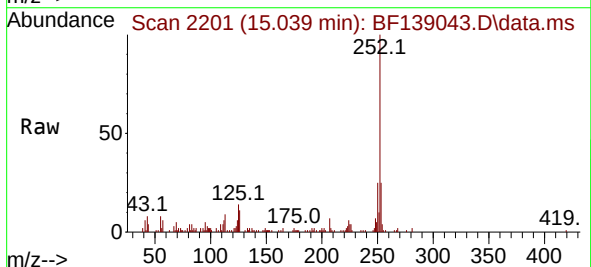
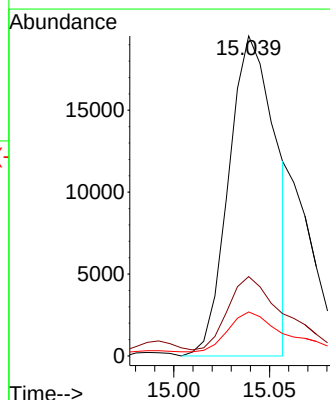
RT: 15.039 min Scan# 2201

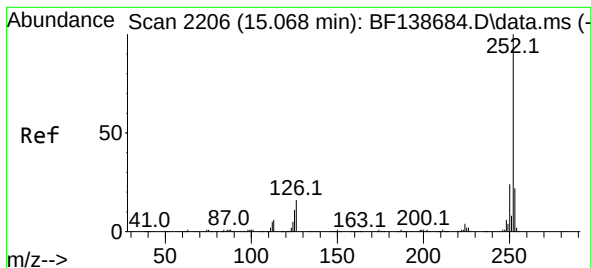
Delta R.T. 0.000 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

Tgt Ion:	252	Resp:	33246
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: 2.998 ng m

RT: 15.057 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139043.D

Acq: 16 Aug 2024 01:49

Instrument :

BNA_F

ClientSampleId :

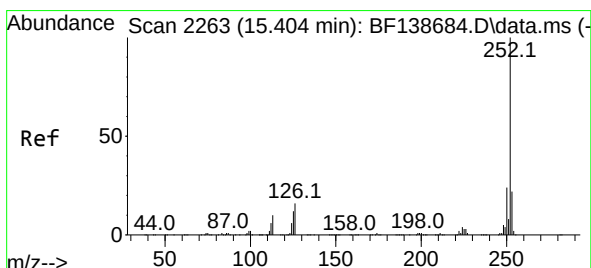
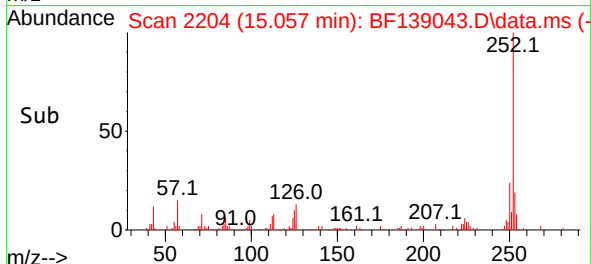
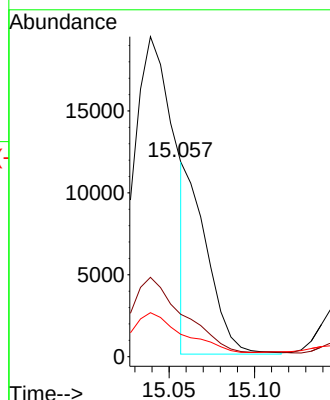
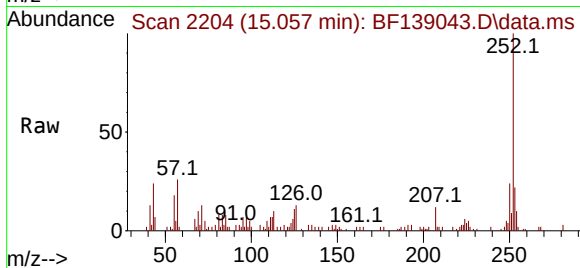
A-TOPSOIL

Tgt Ion:252	Resp:	10152
Ion Ratio	Lower	Upper
252	100	
253	21.8	17.4 26.0
125	11.5	8.6 13.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#90

Benzo(a)pyrene

Concen: 6.399 ng

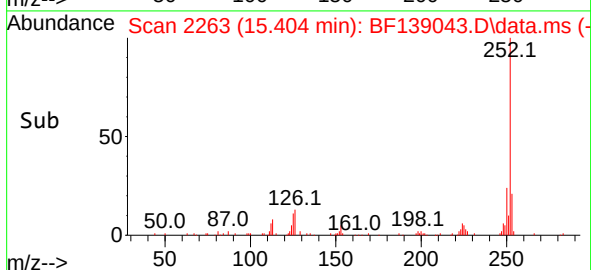
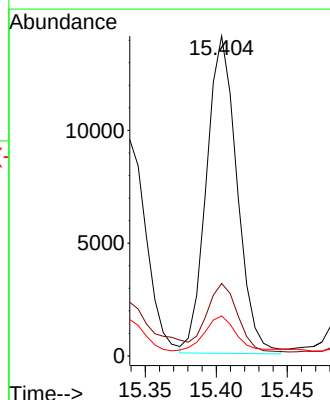
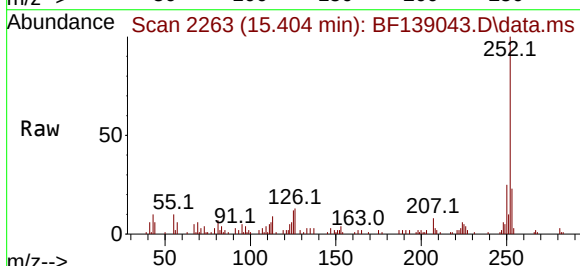
RT: 15.404 min Scan# 2263

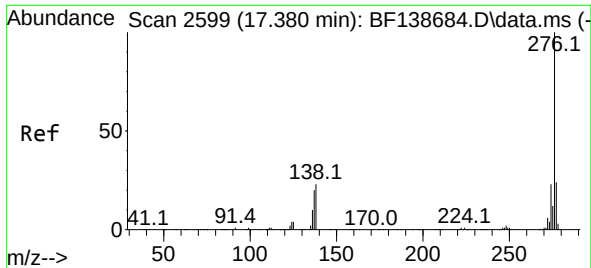
Delta R.T. 0.000 min

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





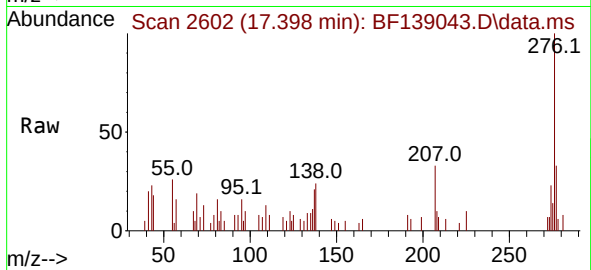
#92
 Benzo(g,h,i)perylene
 Concen: 2.514 ng
 RT: 17.398 min Scan# 20
 Delta R.T. 0.018 min
 Lab File: BF139043.D
 Acq: 16 Aug 2024 01:49

Instrument :

BNA_F

ClientSampleId :

A-TOPSOIL



Tgt Ion:276 Resp: 968
 Ion Ratio Lower Upper
 276 100
 277 32.6 19.0 28.4
 138 24.2 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
 Supervised By :mohammad ahmed 08/17/2024

