

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
 Data File : BF139046.D
 Acq On : 16 Aug 2024 03:20
 Operator : RC/JU
 Sample : P3548-12RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IN-SITU-SOILRE

Manual Integrations
 APPROVED

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

Quant Time: Aug 16 04:34:26 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	36225	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	145422	20.000	ng	-0.01
39) Acenaphthene-d10	9.863	164	69108	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	96521	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	75835	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	61014	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	169233	72.115	ng	0.00
7) Phenol-d6	6.481	99	243472	77.276	ng	0.00
23) Nitrobenzene-d5	7.398	82	150660	50.652	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	35371	62.483	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	200165	43.518	ng	-0.02
79) Terphenyl-d14	12.933	244	158029	34.889	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	12350	2.485	ng	98
75) Fluoranthene	12.569	202	26179	5.642	ng	98
78) Pyrene	12.798	202	28578	4.002	ng	98
81) Benzo(a)anthracene	13.986	228	16629	3.184	ng	97
83) Chrysene	14.021	228	14512	3.080	ng	98
88) Benzo(b)fluoranthene	15.039	252	14290m	3.778	ng	
90) Benzo(a)pyrene	15.404	252	9979	3.137	ng	97

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

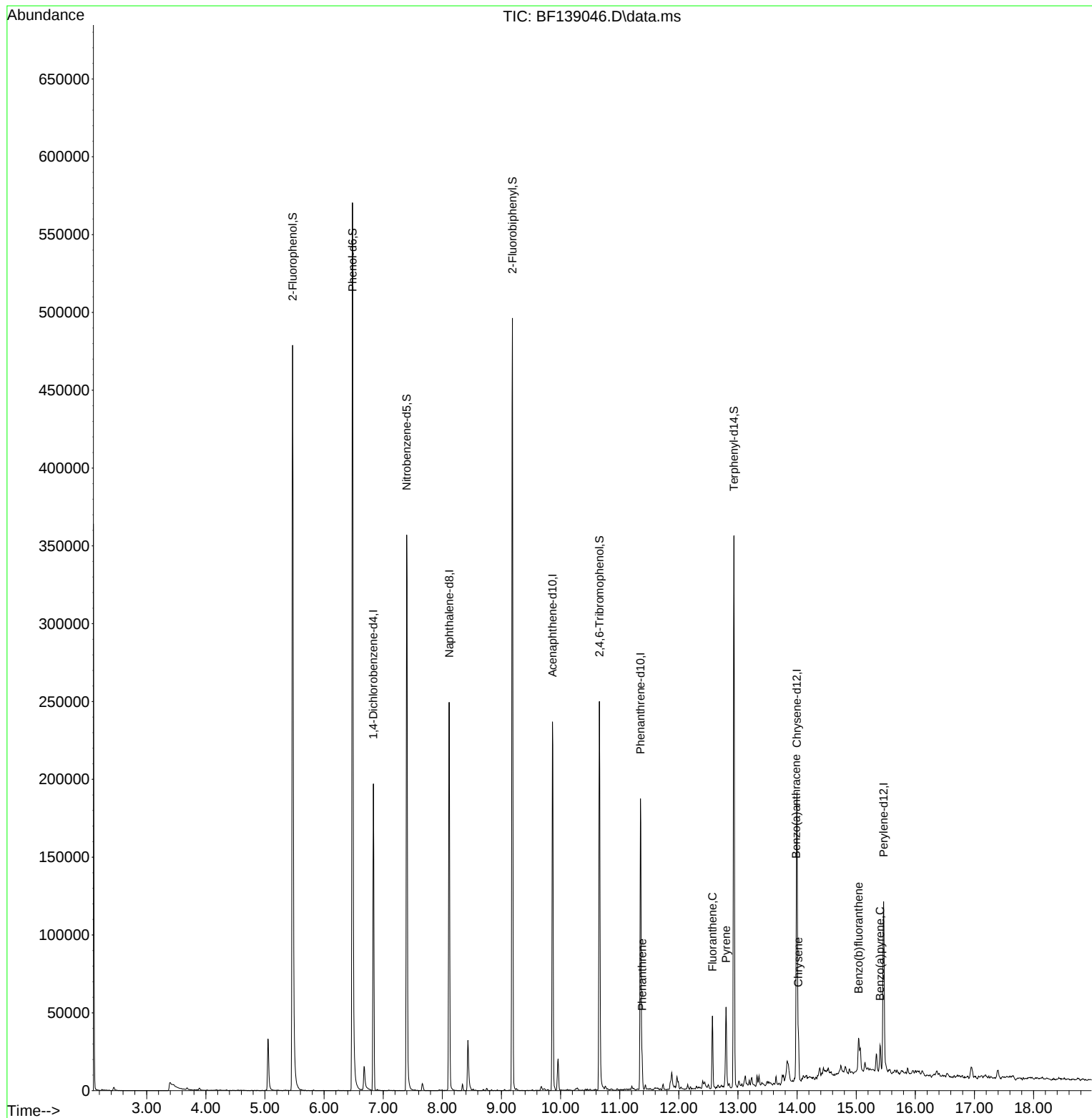
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139046.D
Acq On : 16 Aug 2024 03:20
Operator : RC/JU
Sample : P3548-12RE
Misc :
ALS Vial : 23 Sample Multiplier: 1

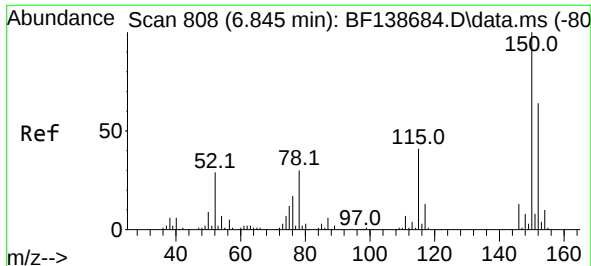
Instrument :
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ClientSampleId :
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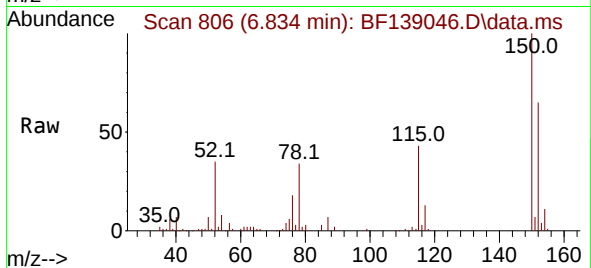
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

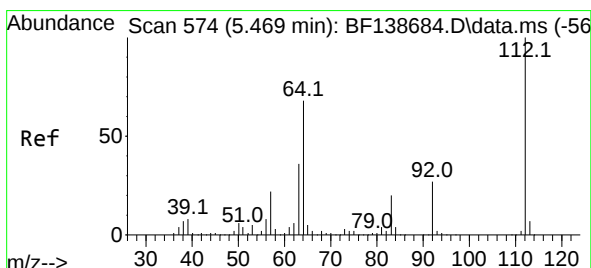
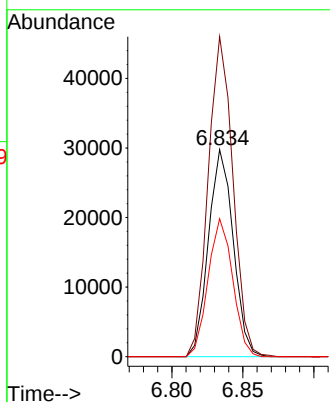
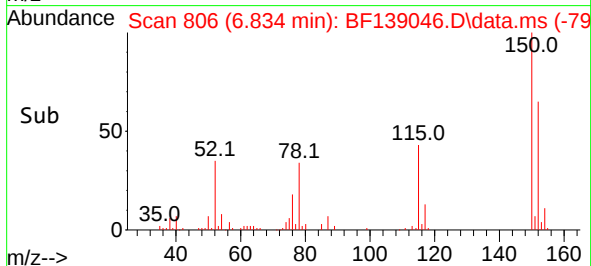
Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOILRE



Tgt Ion:152 Resp: 36225
Ion Ratio Lower Upper
152 100
150 154.5 126.0 189.0
115 66.6 51.7 77.5

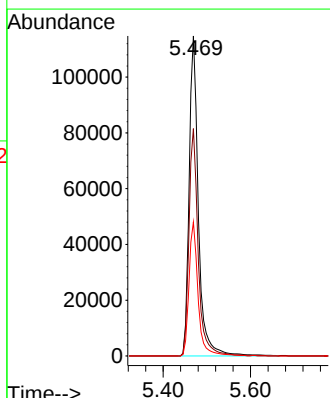
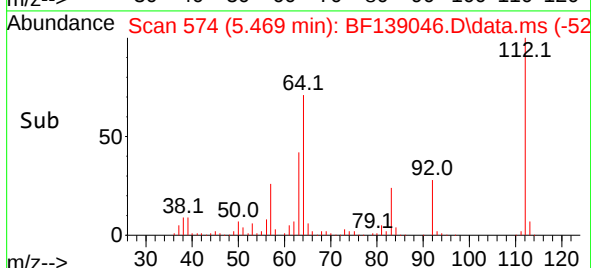
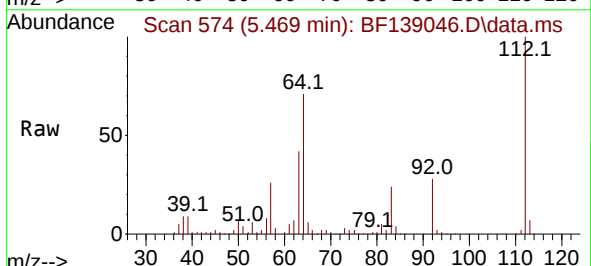
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#5
2-Fluorophenol
Concen: 72.115 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

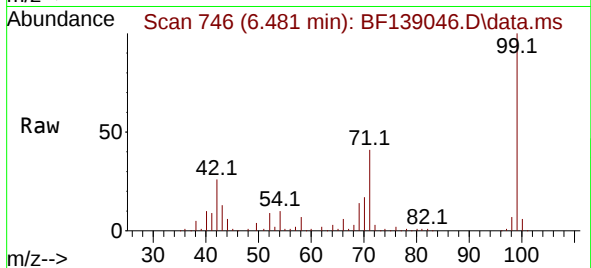
Tgt Ion:112 Resp: 169233
Ion Ratio Lower Upper
112 100
64 71.1 54.2 81.4
63 41.9 28.7 43.1





#7
Phenol-d6
Concen: 77.276 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

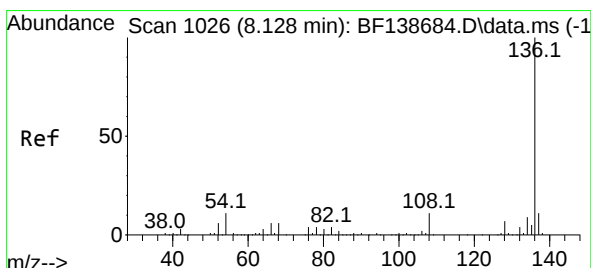
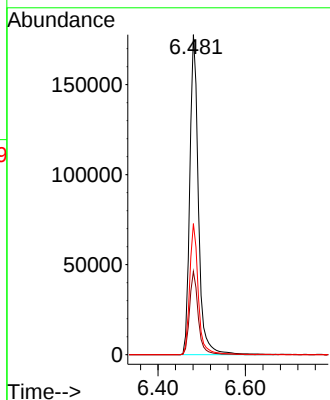
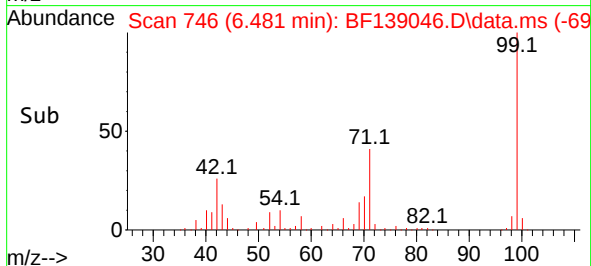
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 243472
Ion Ratio Lower Upper
99 100
42 26.0 17.4 26.0
71 41.0 28.1 42.1

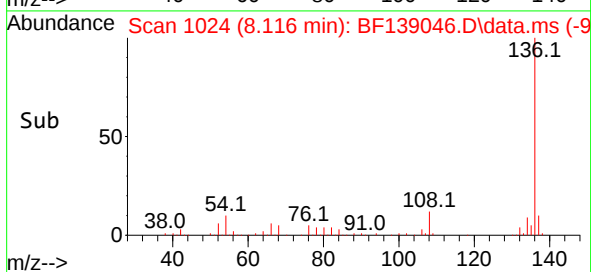
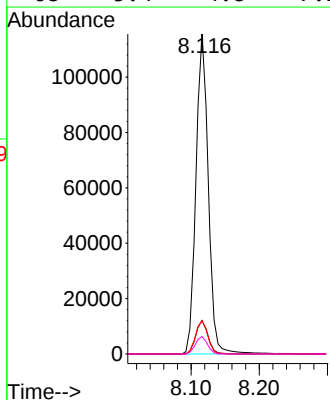
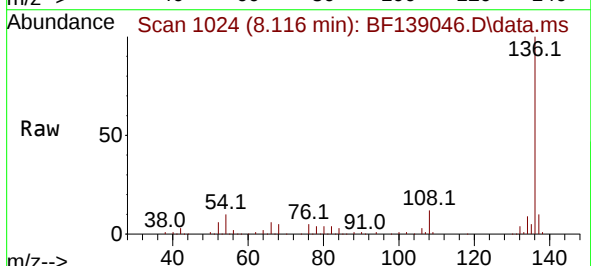
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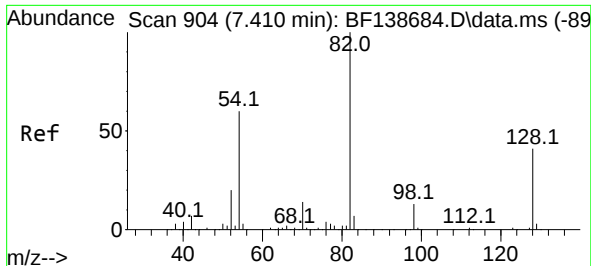
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Tgt Ion:136 Resp: 145422
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 10.4 8.6 12.8
68 5.4 4.8 7.2





#23
Nitrobenzene-d5
Concen: 50.652 ng
RT: 7.398 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Instrument :

BNA_F

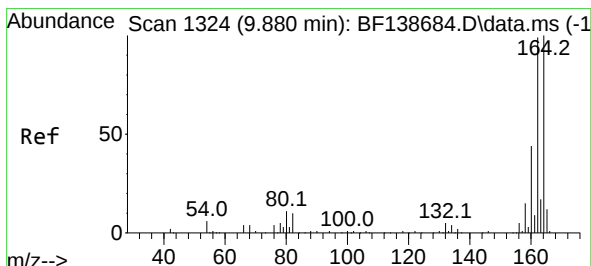
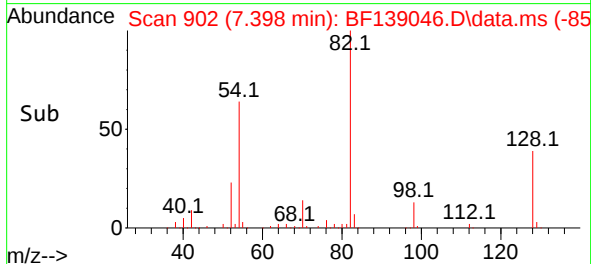
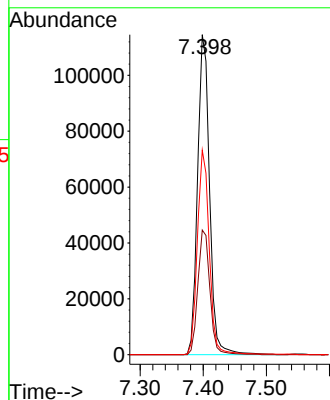
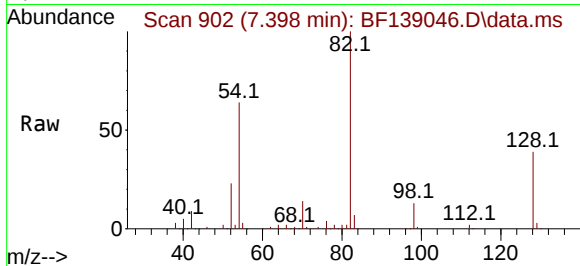
ClientSampleId :

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Tgt Ion: 82 Resp: 150660
Ion Ratio Lower Upper
82 100
128 39.0 32.8 49.2
54 63.9 48.3 72.5

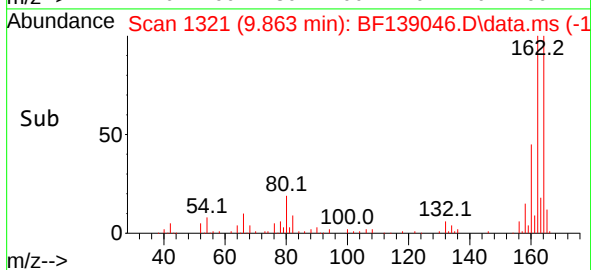
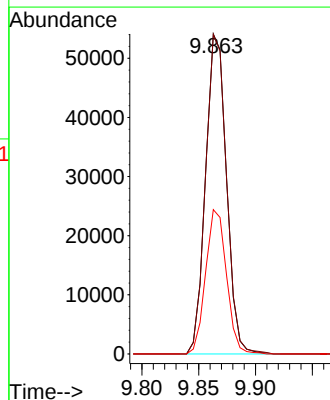
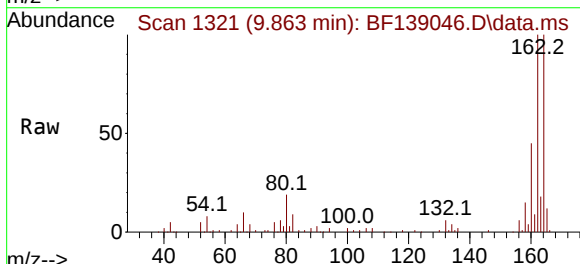
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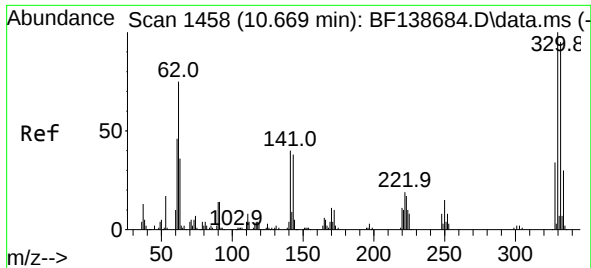
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.017 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

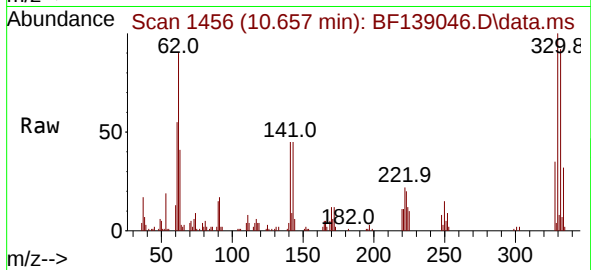
Tgt Ion:164 Resp: 69108
Ion Ratio Lower Upper
164 100
162 99.9 79.4 119.0
160 45.1 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 62.483 ng
RT: 10.657 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

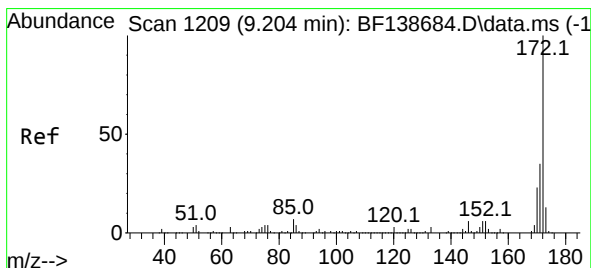
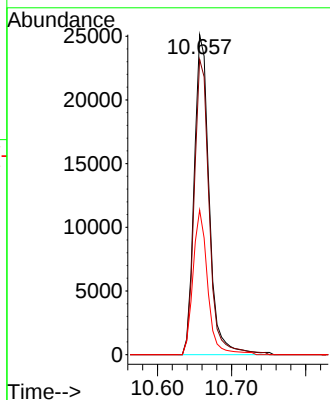
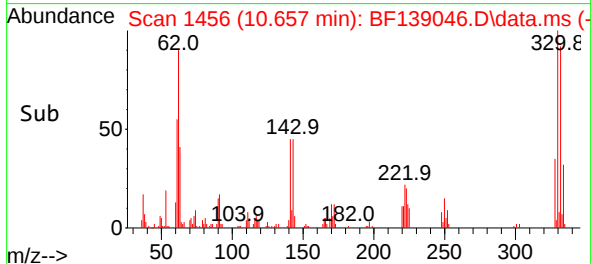
Instrument :
BNA_F
Client Sample Id :
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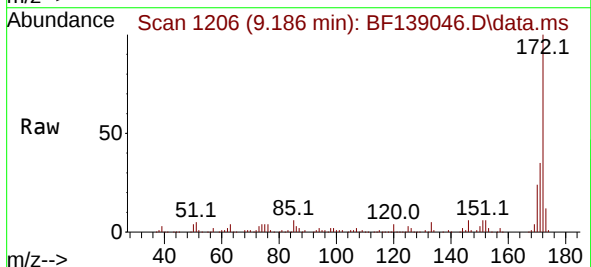
Tgt Ion: 330 Resp: 3537
Ion Ratio Lower Upper
330 100
332 91.7 76.4 114.6
141 44.2 31.1 46.7

Manual Integrations
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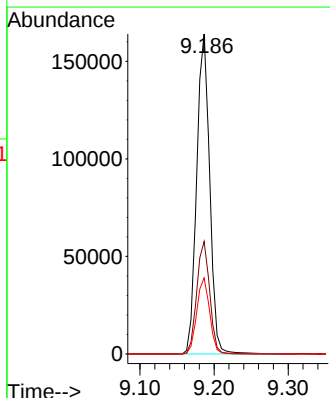
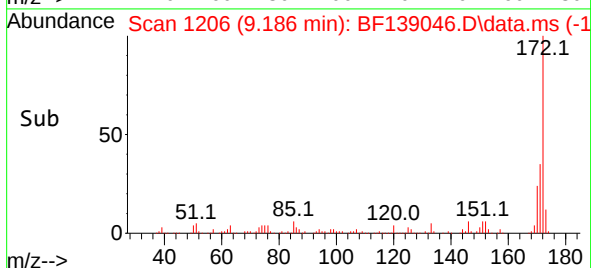
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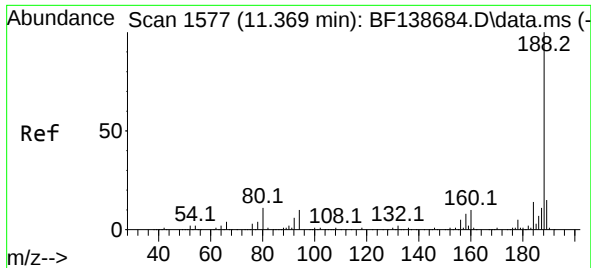


#45
2-Fluorobiphenyl
Concen: 43.518 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20



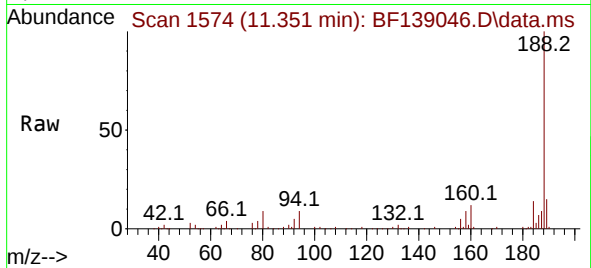
Tgt Ion: 172 Resp: 200165
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.7 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.018 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

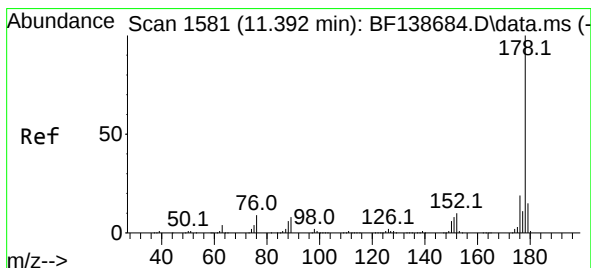
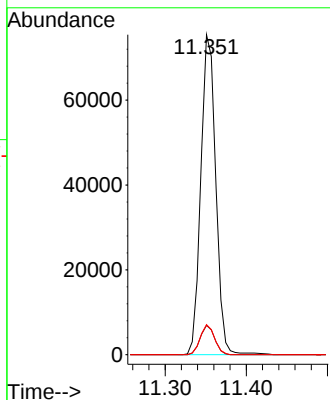
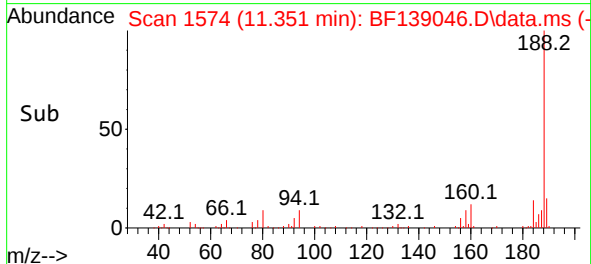
Instrument :
BNA_F
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IN-SITU-SOILRE



Tgt Ion:188 Resp: 9652
Ion Ratio Lower Upper
188 100
94 9.1 7.6 11.4
80 9.4 8.6 12.8

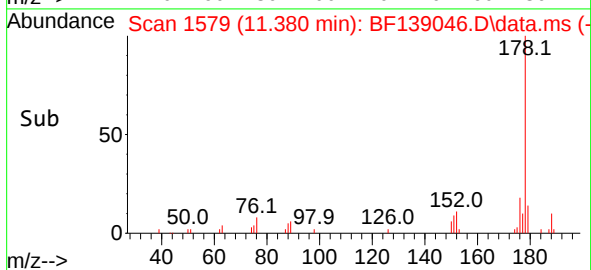
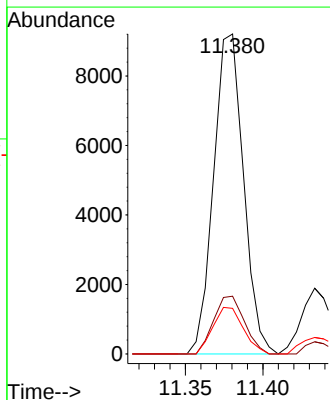
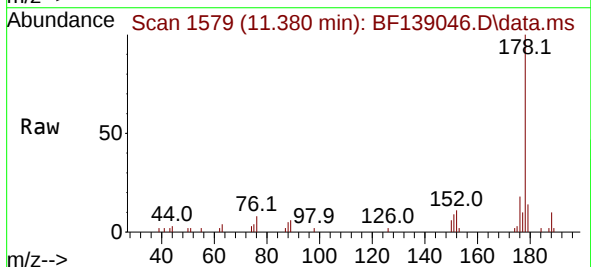
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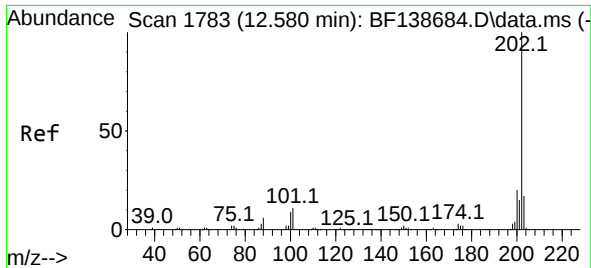
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#71
Phenanthrene
Concen: 2.485 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

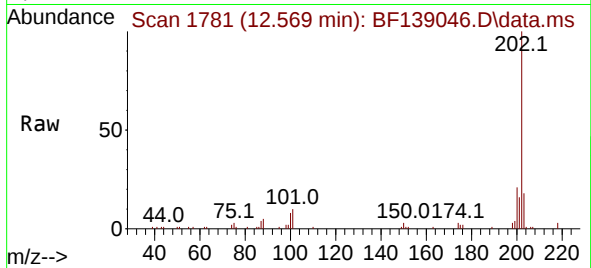
Tgt Ion:178 Resp: 12350
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.0
179 14.3 12.2 18.2





#75
Fluoranthene
Concen: 5.642 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

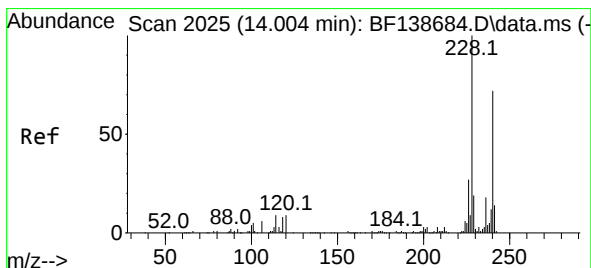
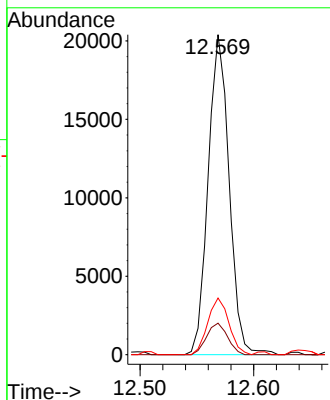
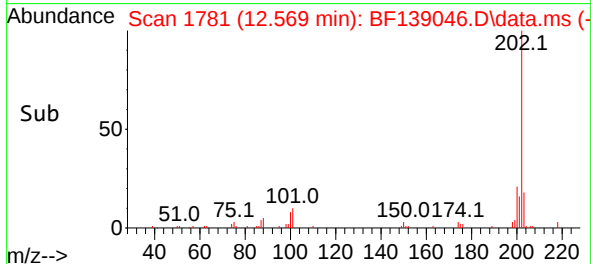
Instrument :
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IN-SITU-SOILRE



Tgt Ion:202 Resp: 26179
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.2
203 17.7 0.0 37.3

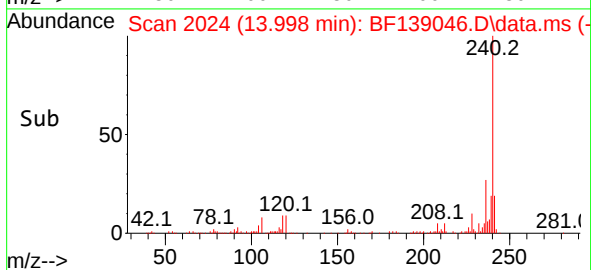
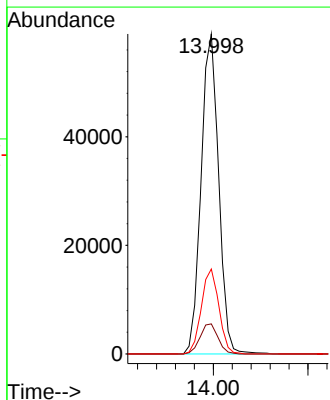
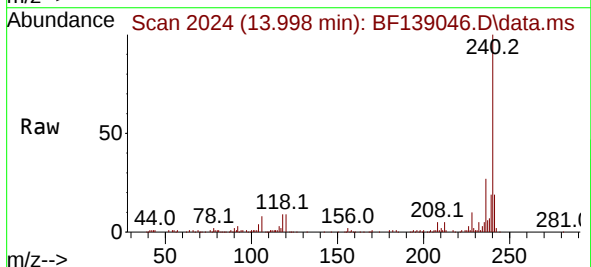
Manual Integrations
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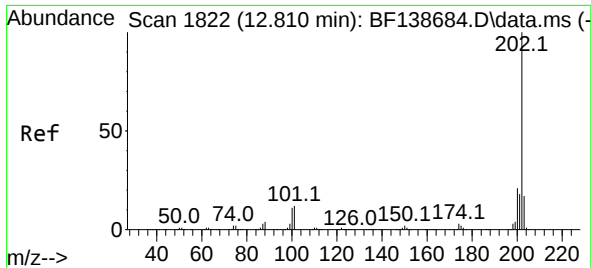
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

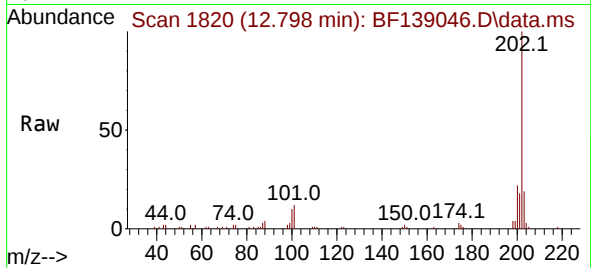
Tgt Ion:240 Resp: 75835
Ion Ratio Lower Upper
240 100
120 9.4 10.2 15.4#
236 26.5 19.8 29.8





#78
Pyrene
Concen: 4.002 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

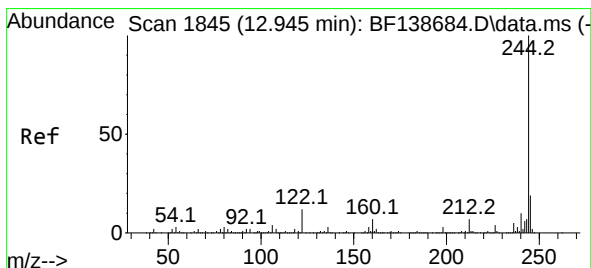
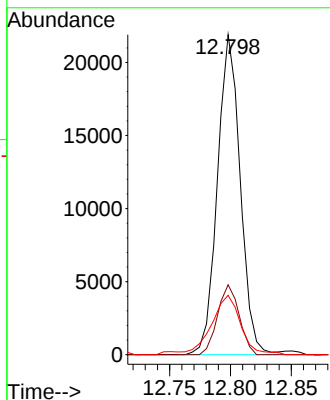
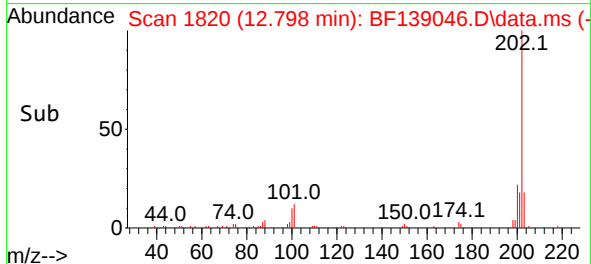
Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOILRE



Tgt Ion:202 Resp: 28578
Ion Ratio Lower Upper
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200 21.9 16.8 25.2
203 18.6 13.8 20.6

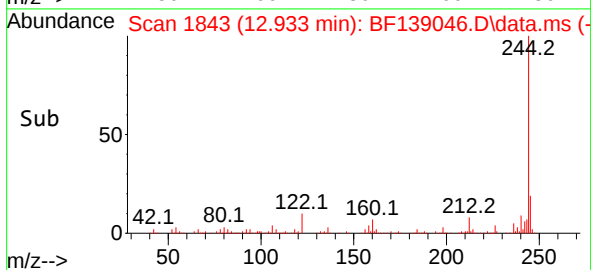
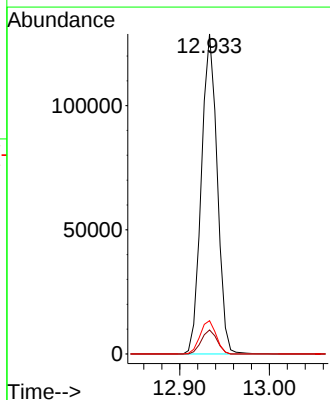
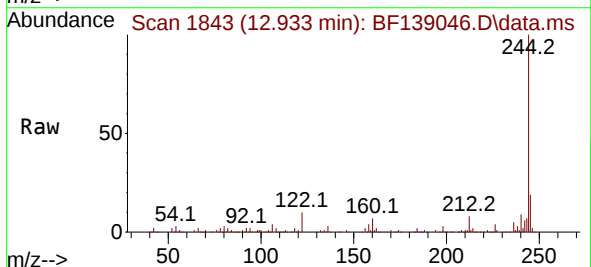
Manual Integrations
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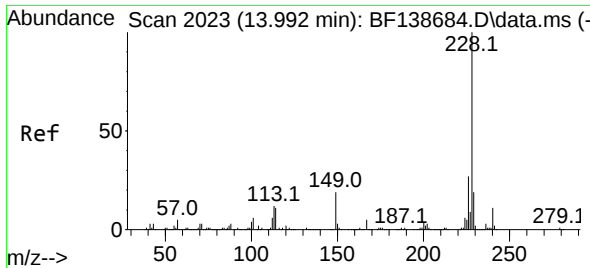
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#79
Terphenyl-d14
Concen: 34.889 ng
RT: 12.933 min Scan# 1843
Delta R.T. -0.012 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Tgt Ion:244 Resp: 158029
Ion Ratio Lower Upper
244 100
212 7.5 5.4 8.2
122 10.4 9.6 14.4





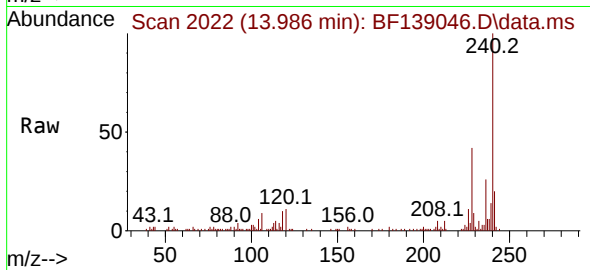
#81
Benzo(a)anthracene
Concen: 3.184 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Instrument :

BNA_F

ClientSampleId :

IN-SITU-SOILRE

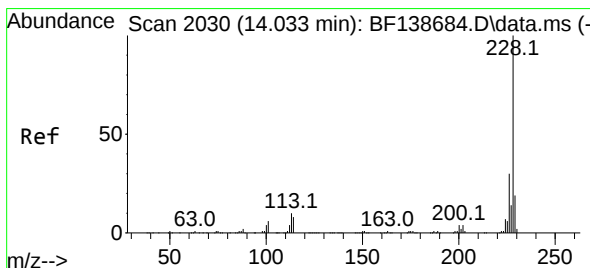
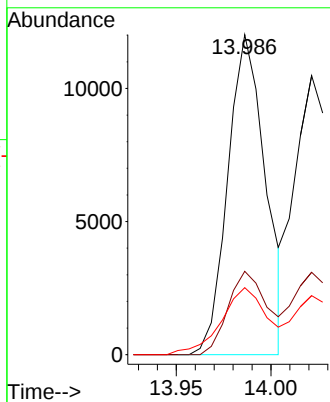
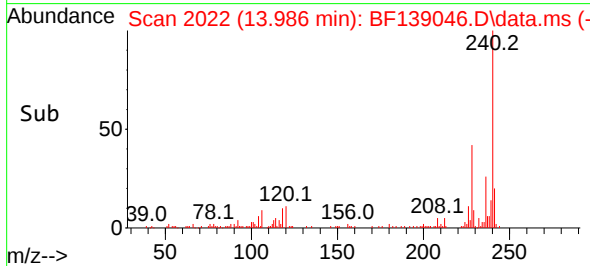


Tgt Ion:228 Resp: 16629
Ion Ratio Lower Upper
228 100
226 26.1 22.1 33.1
229 20.9 15.4 23.0

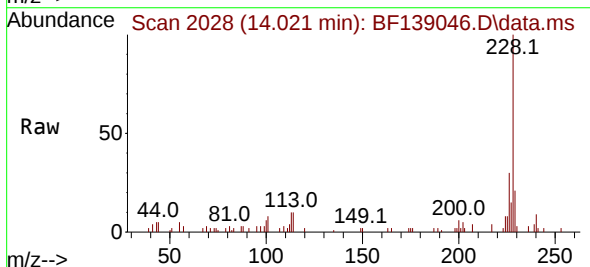
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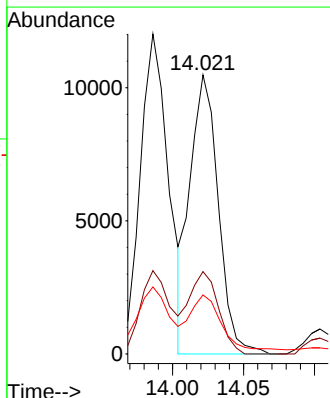
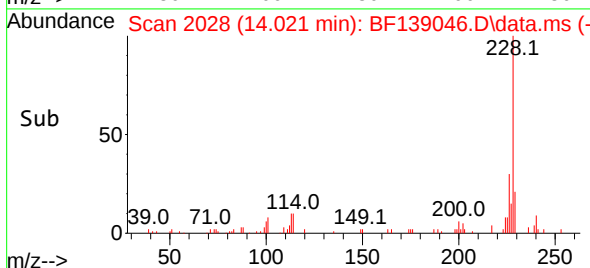
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

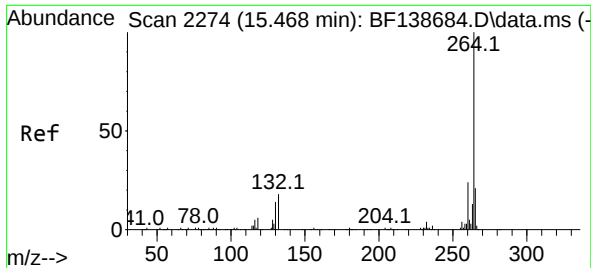


#83
Chrysene
Concen: 3.080 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20



Tgt Ion:228 Resp: 14512
Ion Ratio Lower Upper
228 100
226 29.5 23.7 35.5
229 21.2 15.0 22.6





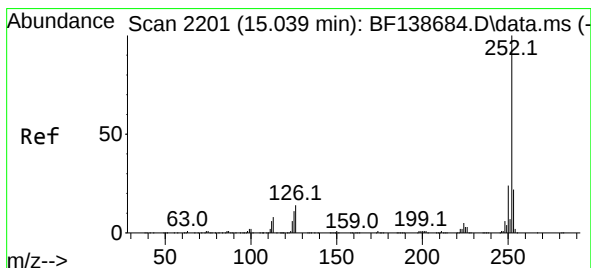
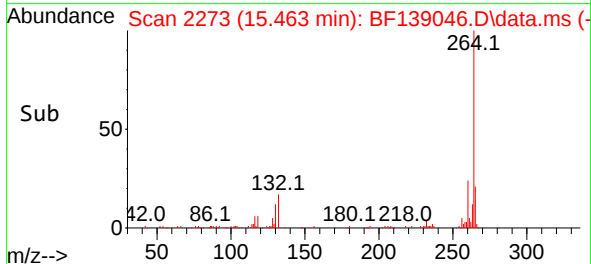
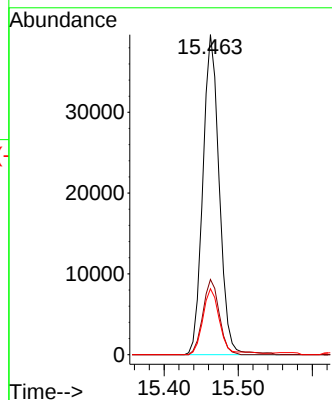
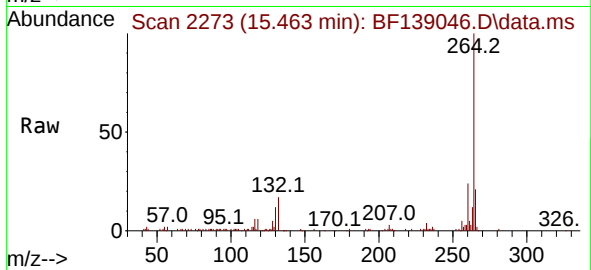
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOILRE

Tgt Ion:264 Resp: 61014
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 20.6 17.0 25.6

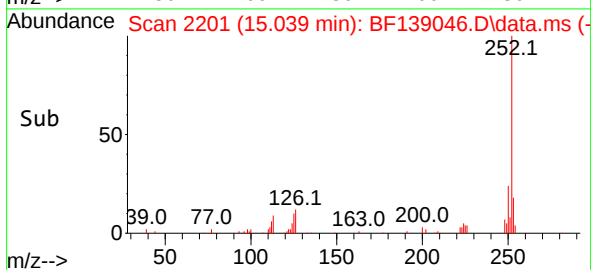
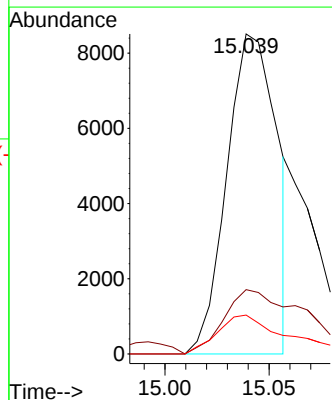
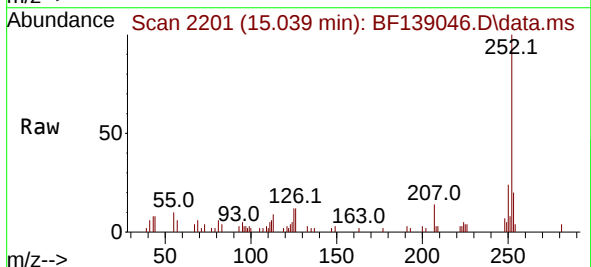
Manual Integrations
APPROVED

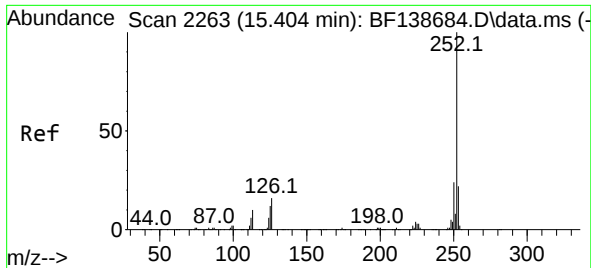
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#88
Benzo(b)fluoranthene
Concen: 3.778 ng m
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Tgt Ion:252 Resp: 14290
Ion Ratio Lower Upper
252 100
253 20.1 17.5 26.3
125 12.1 8.9 13.3





#90
Benzo(a)pyrene
Concen: 3.137 ng
RT: 15.404 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOILRE

Tgt Ion:252 Resp: 9979
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 10.2 9.5 14.3

Manual Integrations
APPROVED

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

