

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090924\
 Data File : BF139288.D
 Acq On : 09 Sep 2024 17:48
 Operator : RC/JU
 Sample : P3880-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHEEPSHEAD-SOIL-PILE

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/10/2024
 Supervised By :mohammad ahmed 09/12/2024

Quant Time: Sep 09 18:11:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	114056	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	422591	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	214657	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	324418	20.000	ng	0.00
76) Chrysene-d12	14.045	240	188447	20.000	ng	0.00
86) Perylene-d12	15.521	264	168675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	647222	94.929	ng	0.00
7) Phenol-d6	6.510	99	853775	93.802	ng	0.00
23) Nitrobenzene-d5	7.445	82	551650	67.910	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	151383	81.670	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	953819	68.591	ng	0.00
79) Terphenyl-d14	12.992	244	657950	56.372	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.622	202	70740	4.656	ng	99
78) Pyrene	12.851	202	62006	3.406	ng	99
81) Benzo(a)anthracene	14.039	228	42261m	3.512	ng	
83) Chrysene	14.068	228	40066	3.568	ng	97
88) Benzo(b)fluoranthene	15.092	252	50139m	5.162	ng	
89) Benzo(k)fluoranthene	15.104	252	19760m	2.269	ng	
90) Benzo(a)pyrene	15.457	252	31559	3.826	ng	99

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

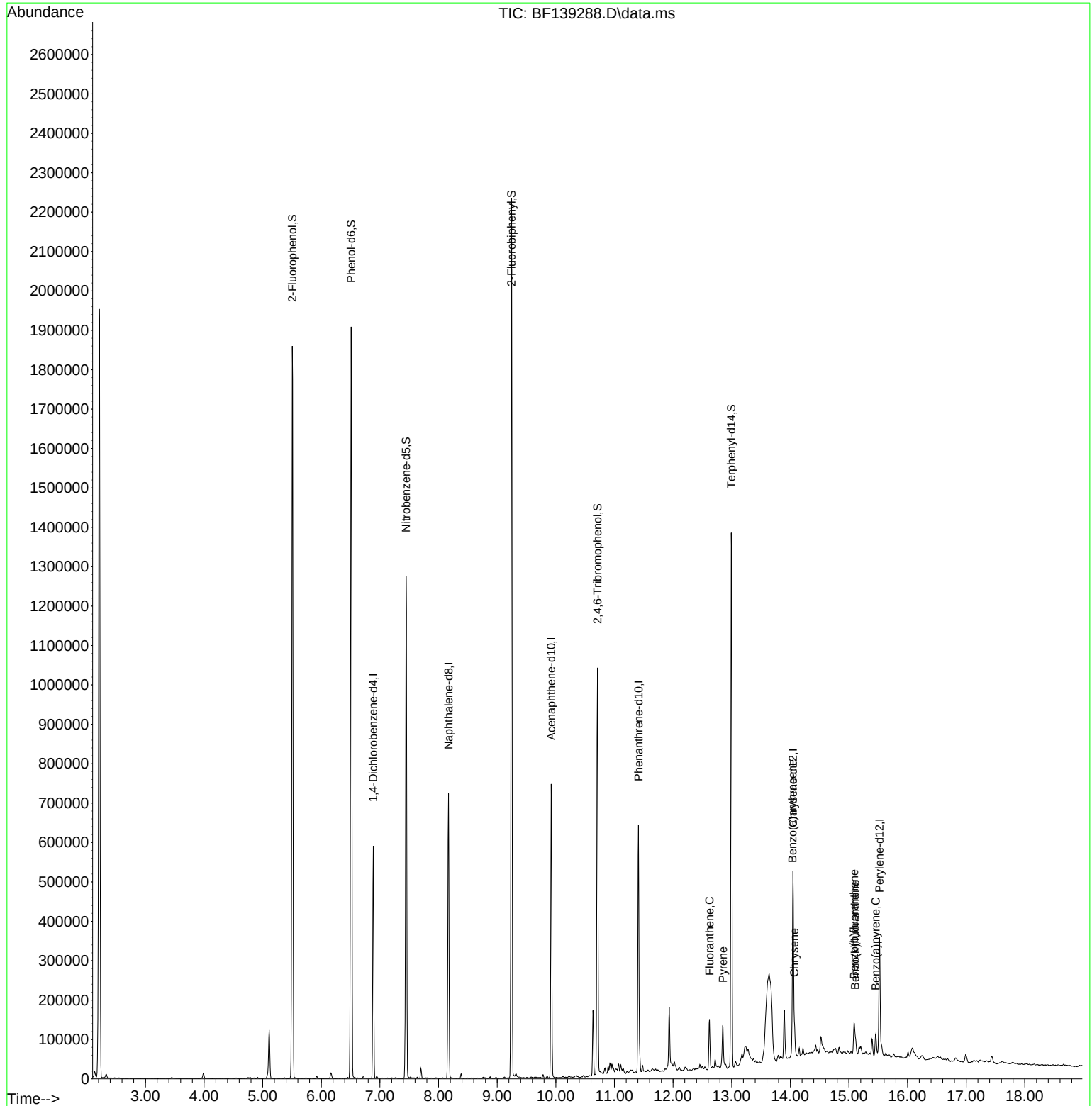
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090924\
Data File : BF139288.D
Acq On : 09 Sep 2024 17:48
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ALS Vial : 10 Sample Multiplier: 1

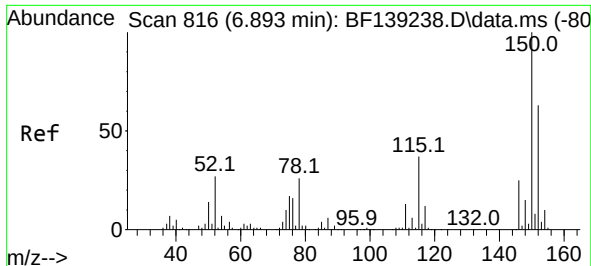
Instrument :
BNA_F
ClientSampleId :
SHEEPSHEAD-SOIL-PILE

Quant Time: Sep 09 18:11:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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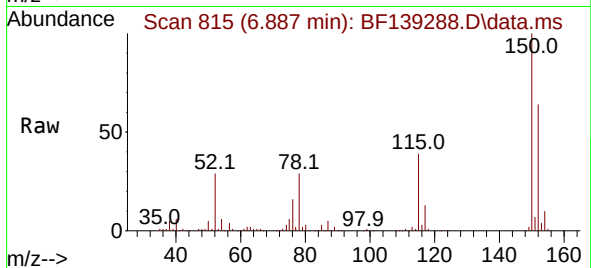
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

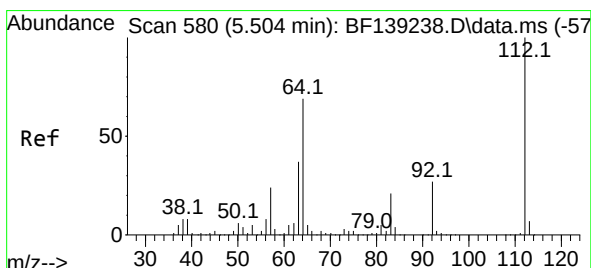
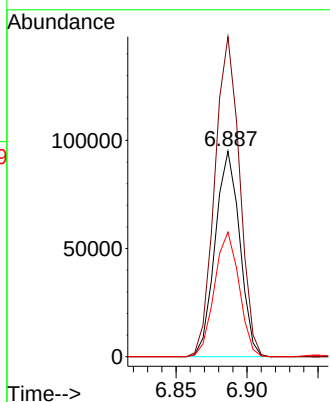
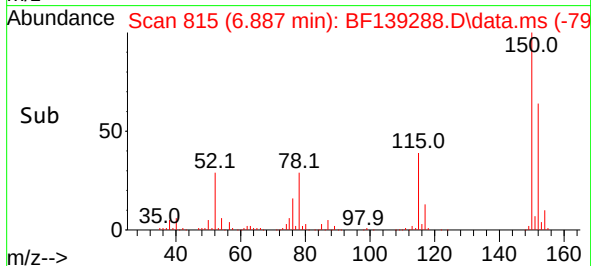
Instrument :
BNA_F
ClientSampleId :
SHEEPSHEAD-SOIL-PILE



Tgt Ion:152 Resp: 114050
Ion Ratio Lower Upper
152 100
150 155.7 127.0 190.4
115 60.7 46.9 70.3

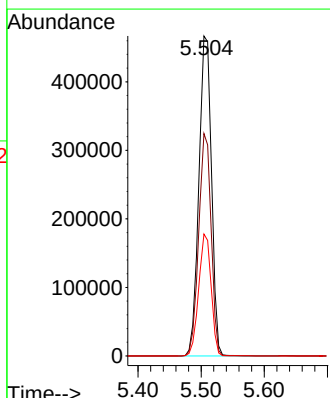
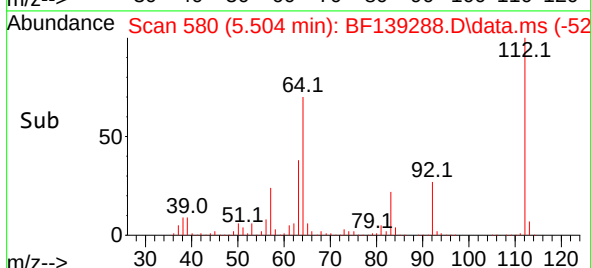
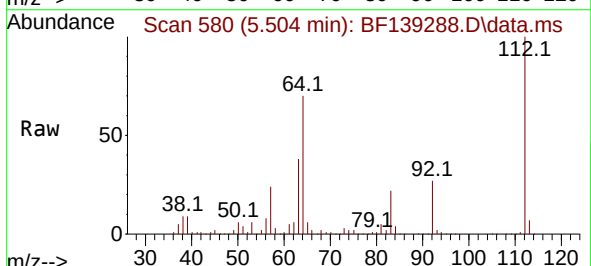
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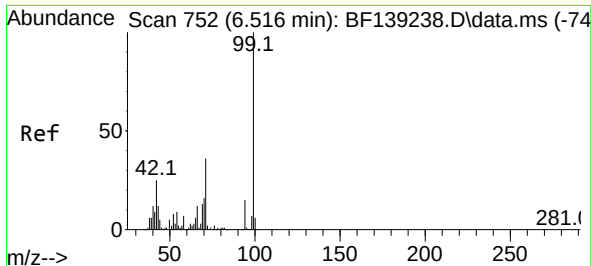
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024



#5
2-Fluorophenol
Concen: 94.929 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.000 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

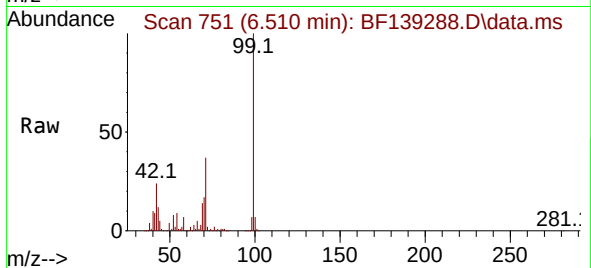
Tgt Ion:112 Resp: 647222
Ion Ratio Lower Upper
112 100
64 69.5 55.0 82.4
63 38.1 29.9 44.9





#7
Phenol-d6
Concen: 93.802 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

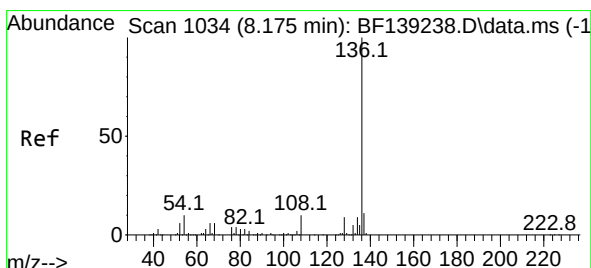
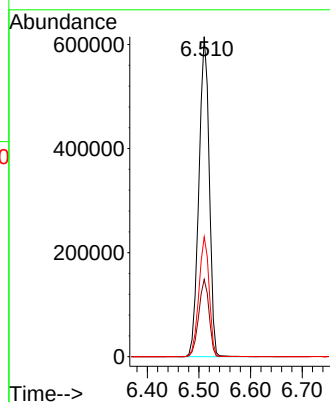
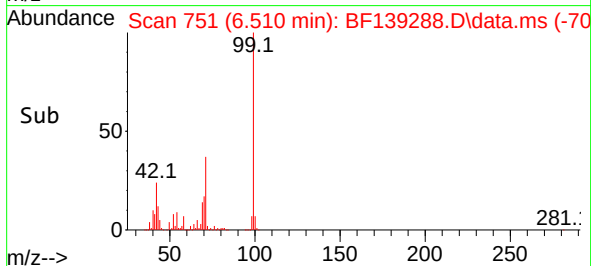
Instrument :
BNA_F
ClientSampleId :
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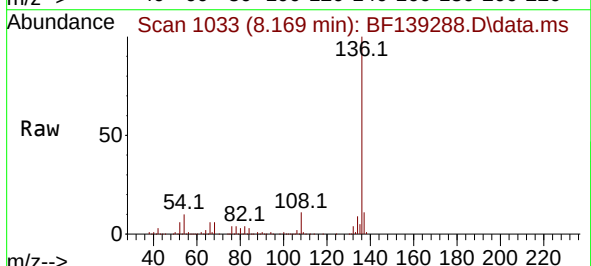
Tgt Ion: 99 Resp: 853775
Ion Ratio Lower Upper
99 100
42 24.2 19.8 29.6
71 37.4 28.8 43.2

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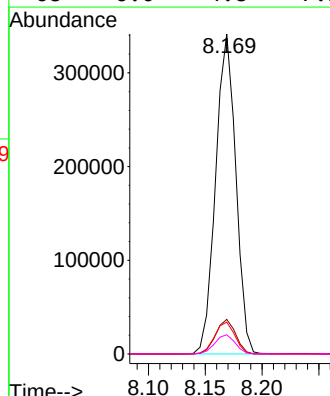
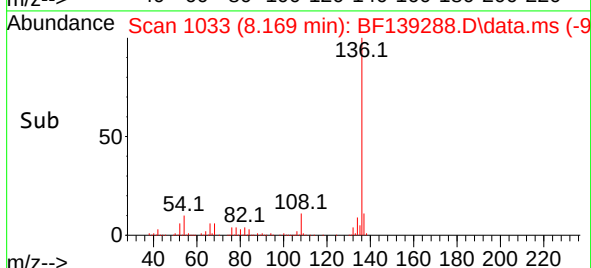
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024

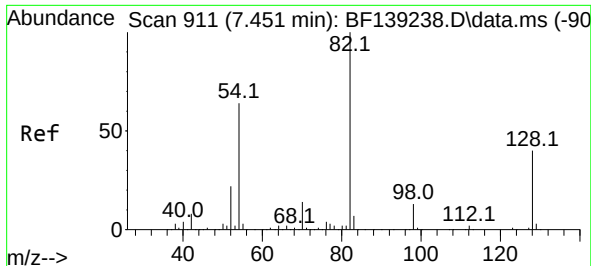


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48



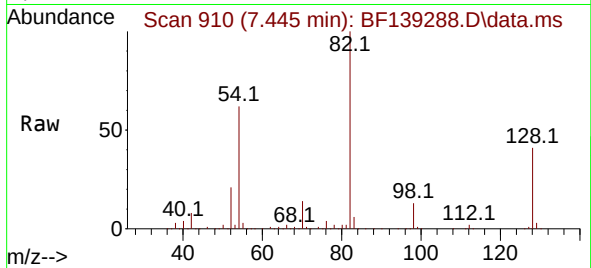
Tgt Ion:136 Resp: 422591
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.9 8.4 12.6
68 6.0 4.8 7.2





#23
Nitrobenzene-d5
Concen: 67.910 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

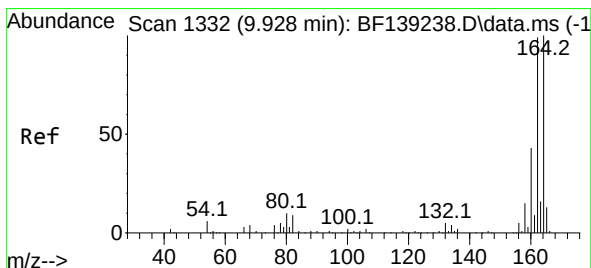
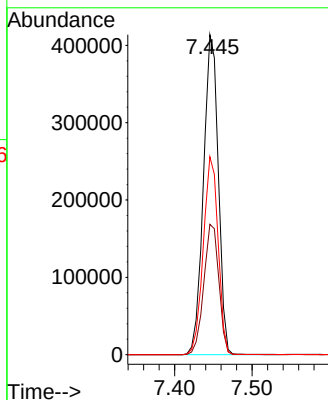
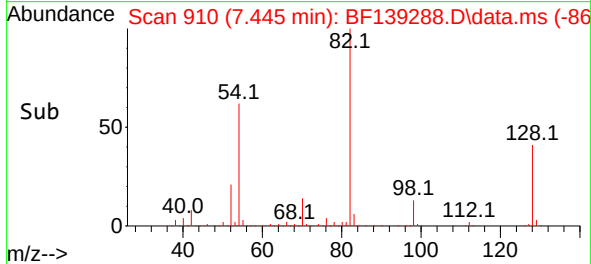
Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 551650
Ion Ratio Lower Upper
82 100
128 40.8 32.3 48.5
54 61.8 51.2 76.8

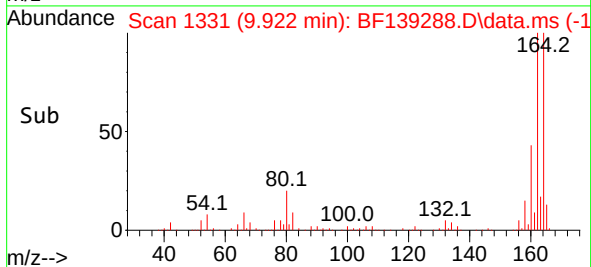
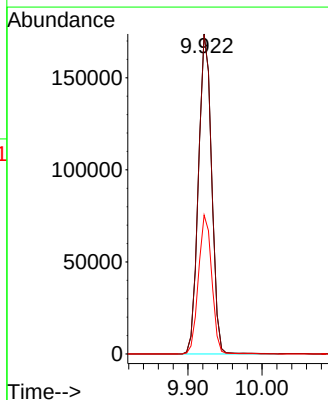
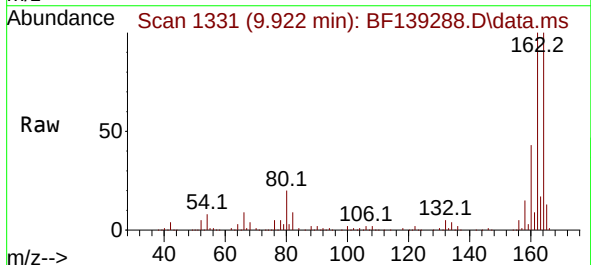
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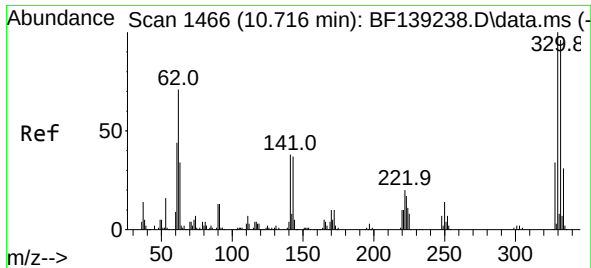
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

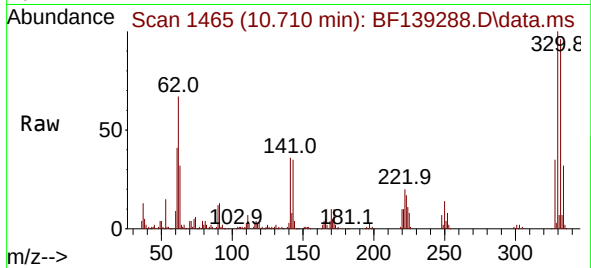
Tgt Ion:164 Resp: 214657
Ion Ratio Lower Upper
164 100
162 99.8 79.2 118.8
160 43.4 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 81.670 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

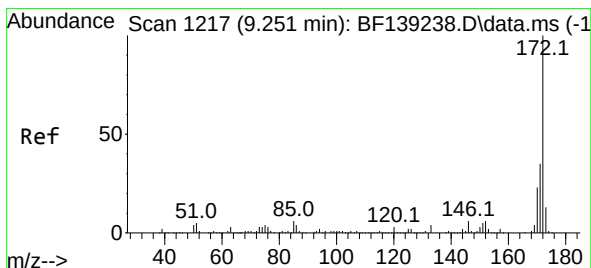
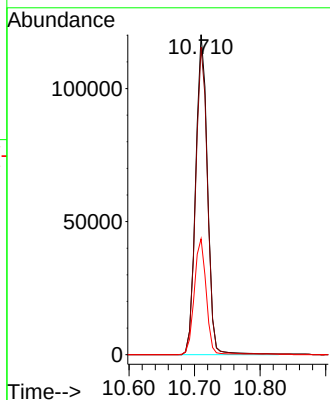
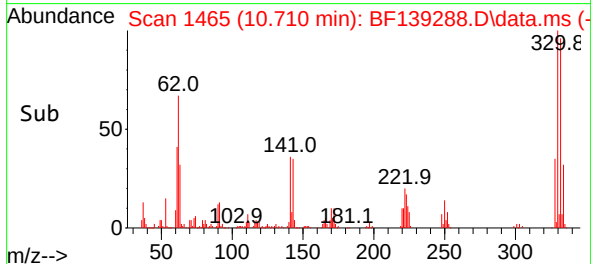
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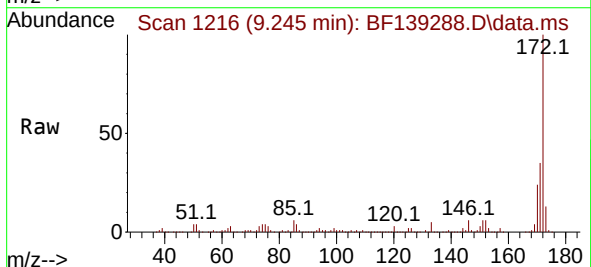
Tgt Ion:330 Resp: 15138
Ion Ratio Lower Upper
330 100
332 97.1 76.6 115.0
141 36.3 30.1 45.1

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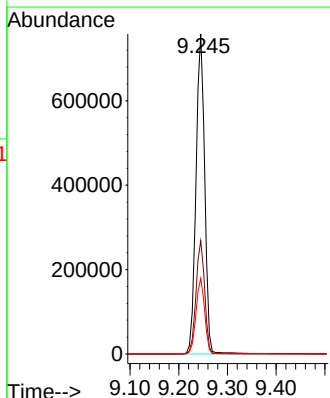
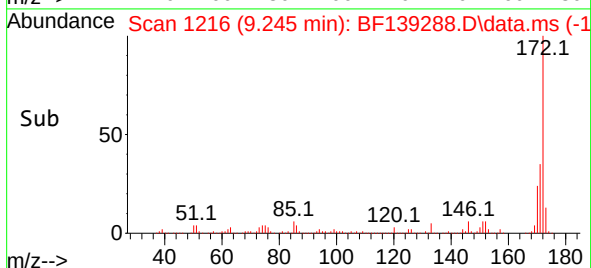
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024

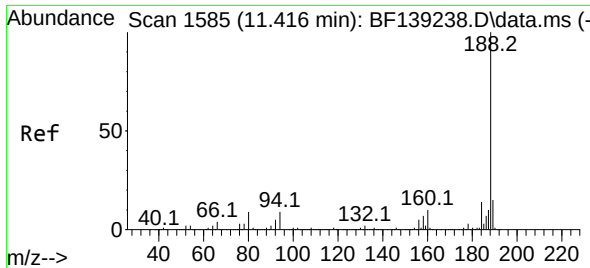


#45
2-Fluorobiphenyl
Concen: 68.591 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48



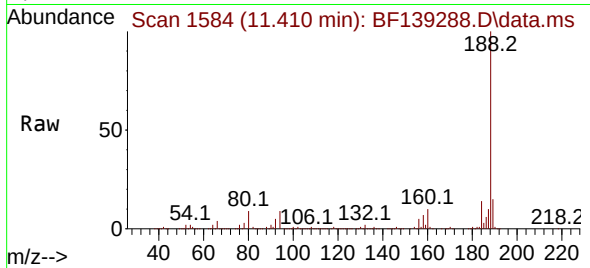
Tgt Ion:172 Resp: 953819
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.6 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

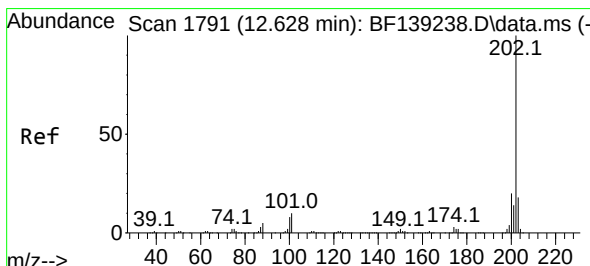
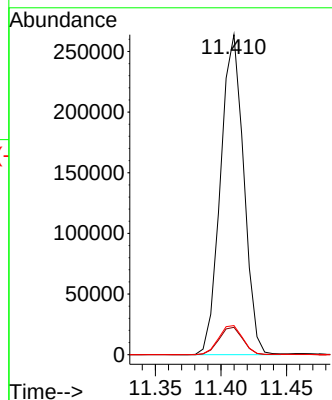
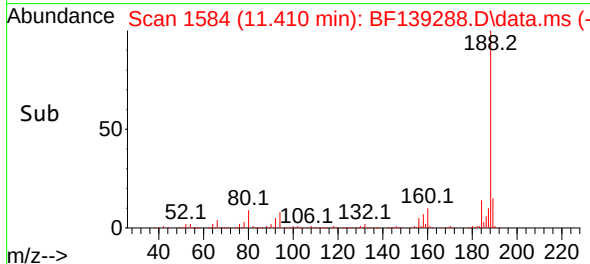
Instrument :
BNA_F
ClientSampleId :
SHEEPSHEAD-SOIL-PILE



Tgt Ion:188 Resp: 324418
Ion Ratio Lower Upper
188 100
94 8.5 7.0 10.4
80 9.1 7.3 10.9

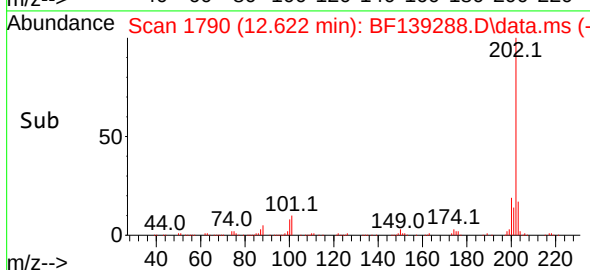
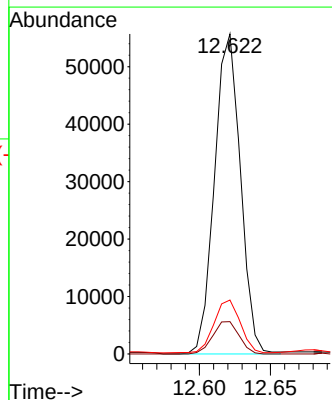
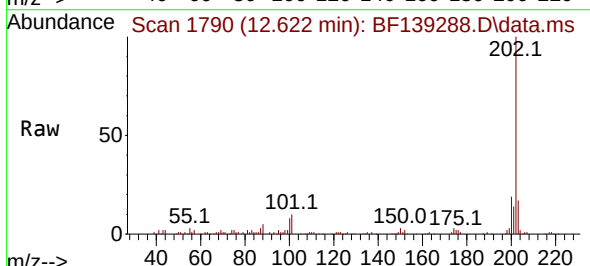
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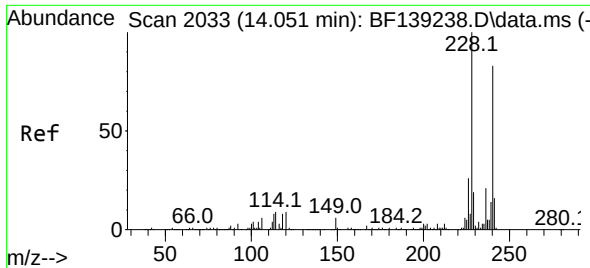
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024



#75
Fluoranthene
Concen: 4.656 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

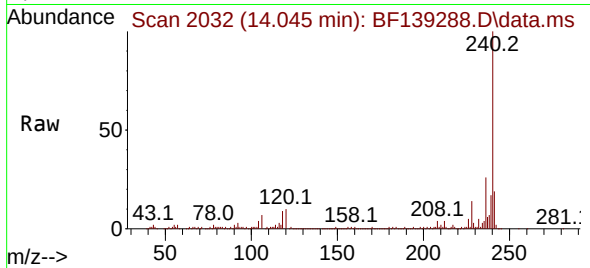
Tgt Ion:202 Resp: 70740
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.9
203 16.9 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

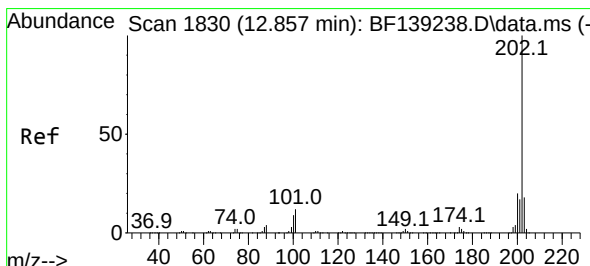
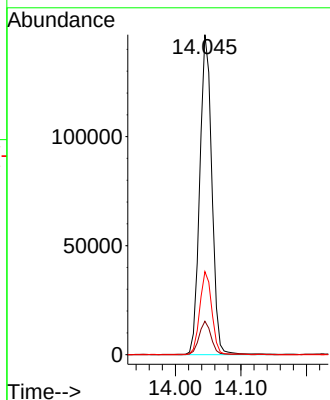
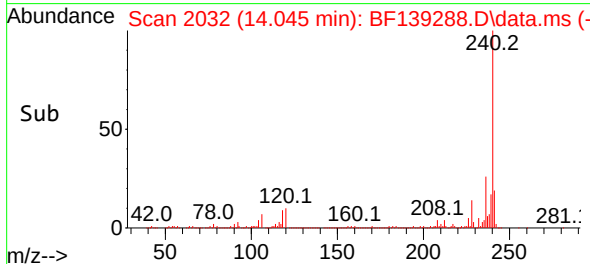
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:240 Resp: 18844
Ion Ratio Lower Upper
240 100
120 10.4 8.6 12.8
236 26.0 20.7 31.1

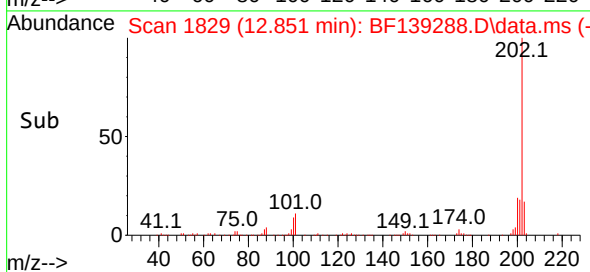
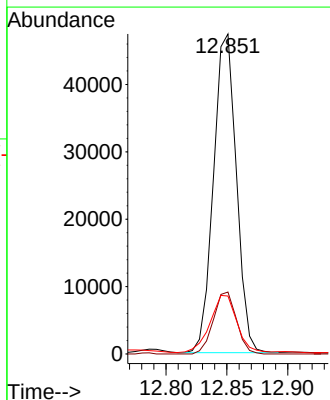
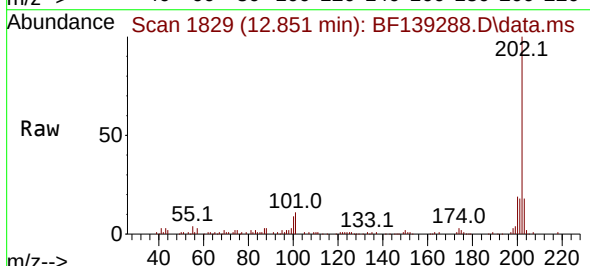
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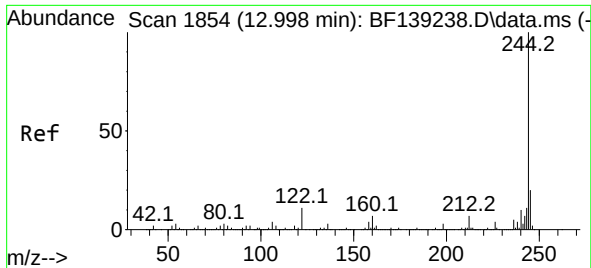
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024



#78
Pyrene
Concen: 3.406 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

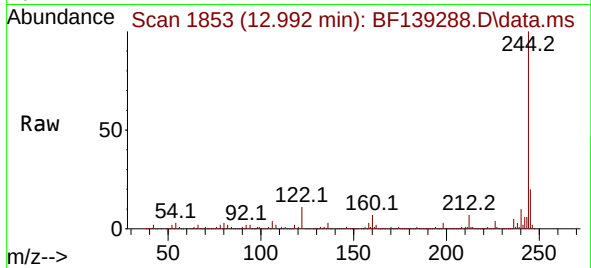
Tgt Ion:202 Resp: 62006
Ion Ratio Lower Upper
202 100
200 19.4 15.8 23.8
203 18.1 14.1 21.1





#79
 Terphenyl-d14
 Concen: 56.372 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF139288.D
 Acq: 09 Sep 2024 17:48

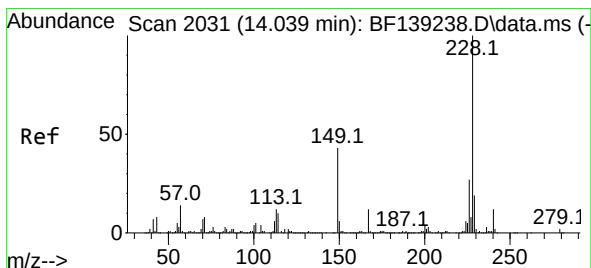
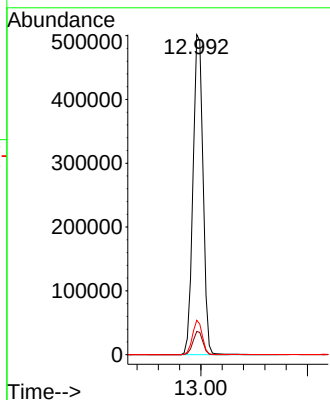
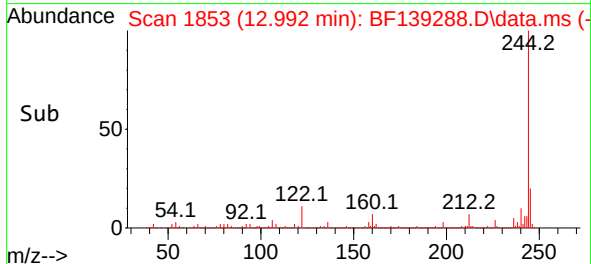
Instrument :
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 SHEEPSHEAD-SOIL-PILE



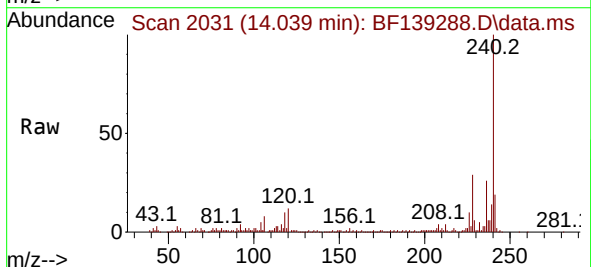
Tgt Ion:244 Resp: 657950
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 10.8 8.7 13.1

Manual Integrations
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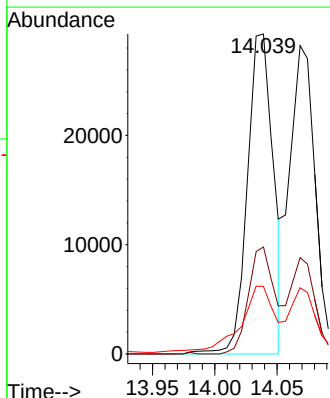
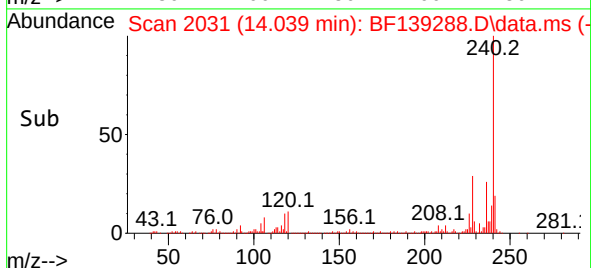
Reviewed By :Jagrut Upadhyay 09/10/2024
 Supervised By :mohammad ahmed 09/12/2024

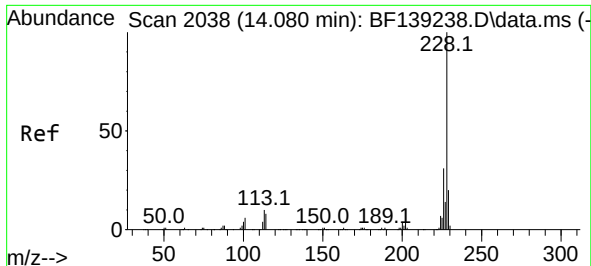


#81
 Benzo(a)anthracene
 Concen: 3.512 ng m
 RT: 14.039 min Scan# 2031
 Delta R.T. -0.000 min
 Lab File: BF139288.D
 Acq: 09 Sep 2024 17:48



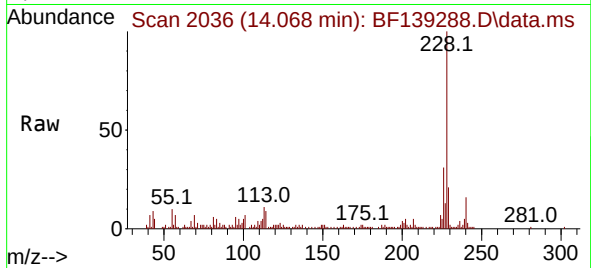
Tgt Ion:228 Resp: 42261
 Ion Ratio Lower Upper
 228 100
 226 33.5 21.5 32.3#
 229 21.1 15.6 23.4





#83
Chrysene
Concen: 3.568 ng
RT: 14.068 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

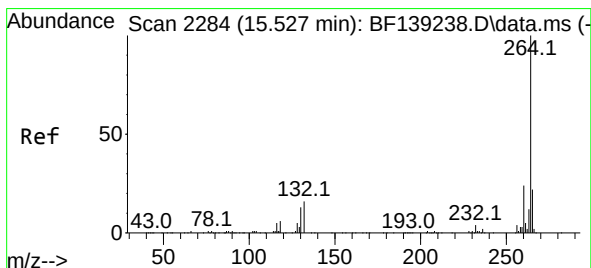
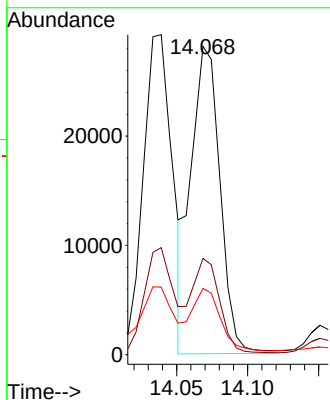
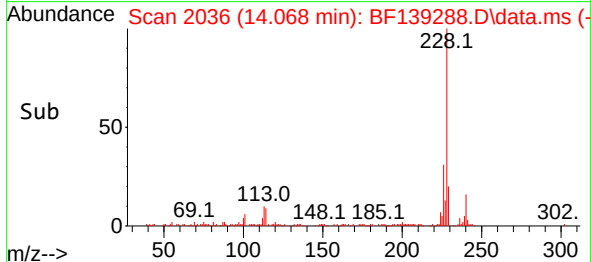
Instrument :
BNA_F
ClientSampleId :
SHEEPSHEAD-SOIL-PILE



Tgt Ion:228 Resp: 40060
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.8
229 21.5 15.8 23.6

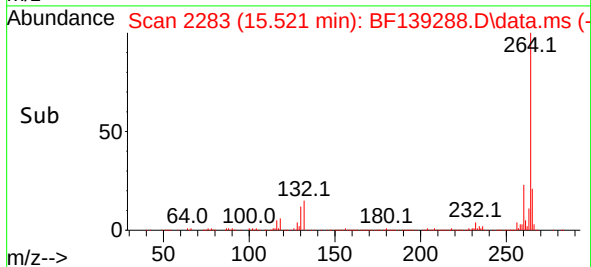
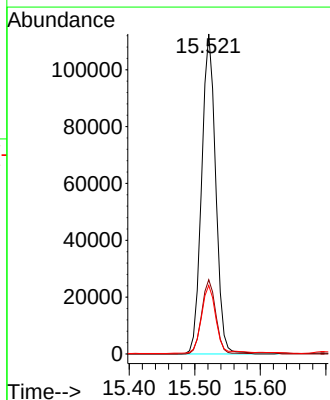
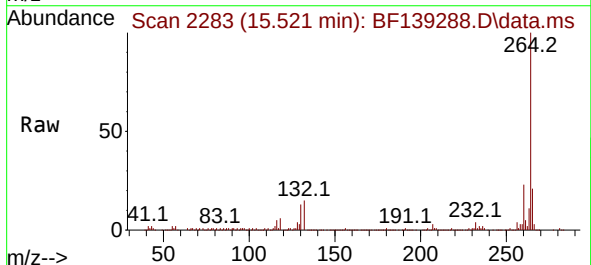
Manual Integrations
APPROVED

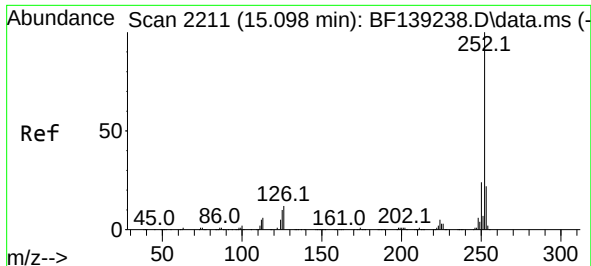
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

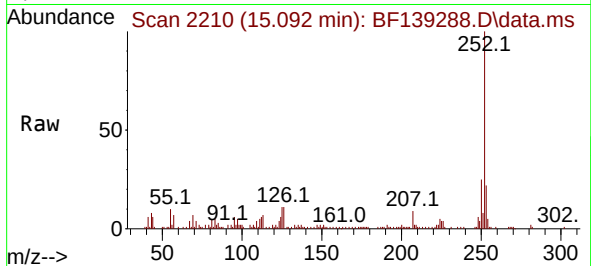
Tgt Ion:264 Resp: 168675
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 21.4 17.3 25.9





#88
Benzo(b)fluoranthene
Concen: 5.162 ng m
RT: 15.092 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

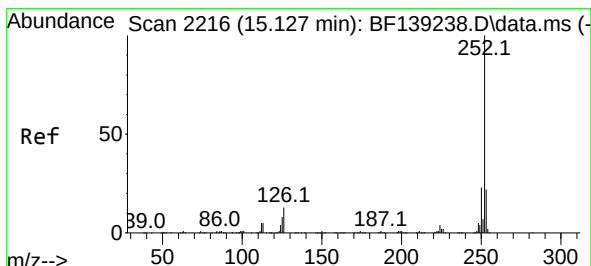
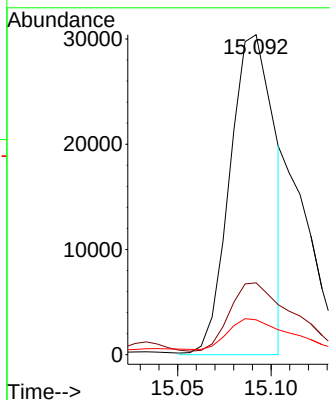
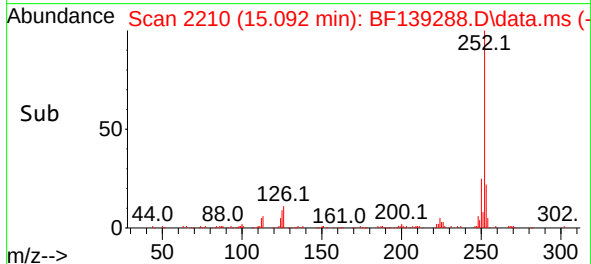
Instrument :
BNA_F
ClientSampleId :
SHEEPSHEAD-SOIL-PILE



Tgt Ion:252 Resp: 50139
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 10.9 7.6 11.4

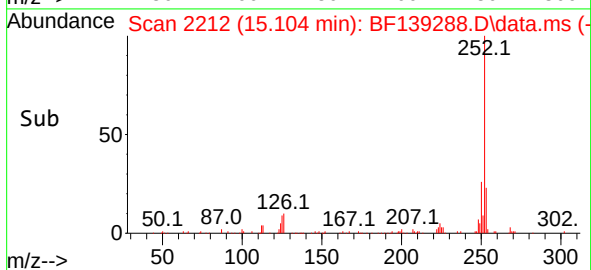
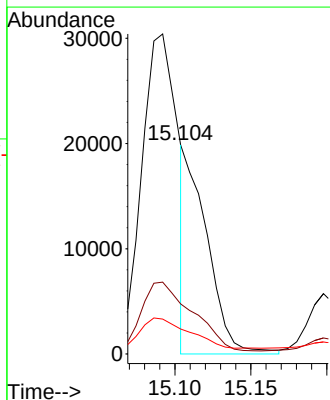
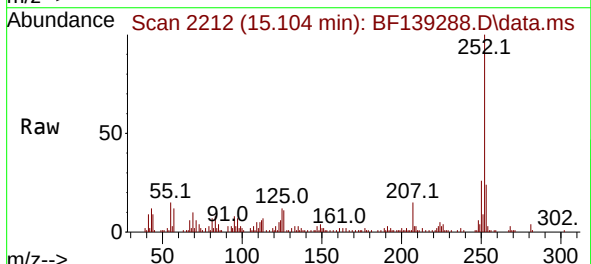
Manual Integrations
APPROVED

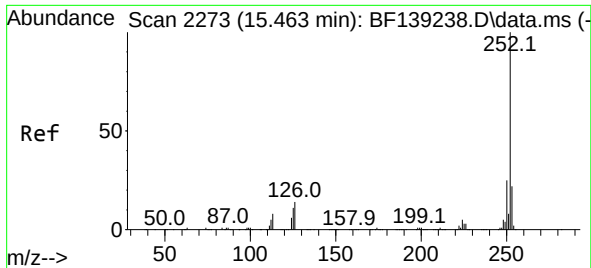
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024



#89
Benzo(k)fluoranthene
Concen: 2.269 ng m
RT: 15.104 min Scan# 2212
Delta R.T. -0.024 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

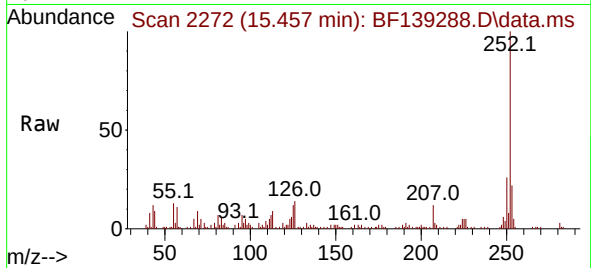
Tgt Ion:252 Resp: 19760
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 12.0 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 3.826 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

Instrument :
BNA_F
ClientSampleId :
SHEEPSHEAD-SOIL-PILE



Tgt Ion:252 Resp: 3155
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 11.6 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024

