

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
 Data File : BF140585.D
 Acq On : 22 Nov 2024 18:35
 Operator : RC/JU
 Sample : P4822-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 22 22:16:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	92752	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	331348	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	154566	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	245783	20.000	ng	0.00
76) Chrysene-d12	14.045	240	154652	20.000	ng	0.00
86) Perylene-d12	15.533	264	119489	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	428701	78.861	ng	0.00
7) Phenol-d6	6.504	99	548553	76.329	ng	-0.01
23) Nitrobenzene-d5	7.434	82	343419	53.014	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	109896	66.479	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	647259	62.393	ng	-0.01
79) Terphenyl-d14	12.980	244	515203	51.874	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.610	202	46260	3.606	ng	99
78) Pyrene	12.845	202	55476	3.880	ng	98
81) Benzo(a)anthracene	14.033	228	27433	2.680	ng	92
83) Chrysene	14.069	228	23594	2.520	ng	97
88) Benzo(b)fluoranthene	15.104	252	34344m	4.576	ng	
90) Benzo(a)pyrene	15.468	252	17420	2.855	ng	# 82

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

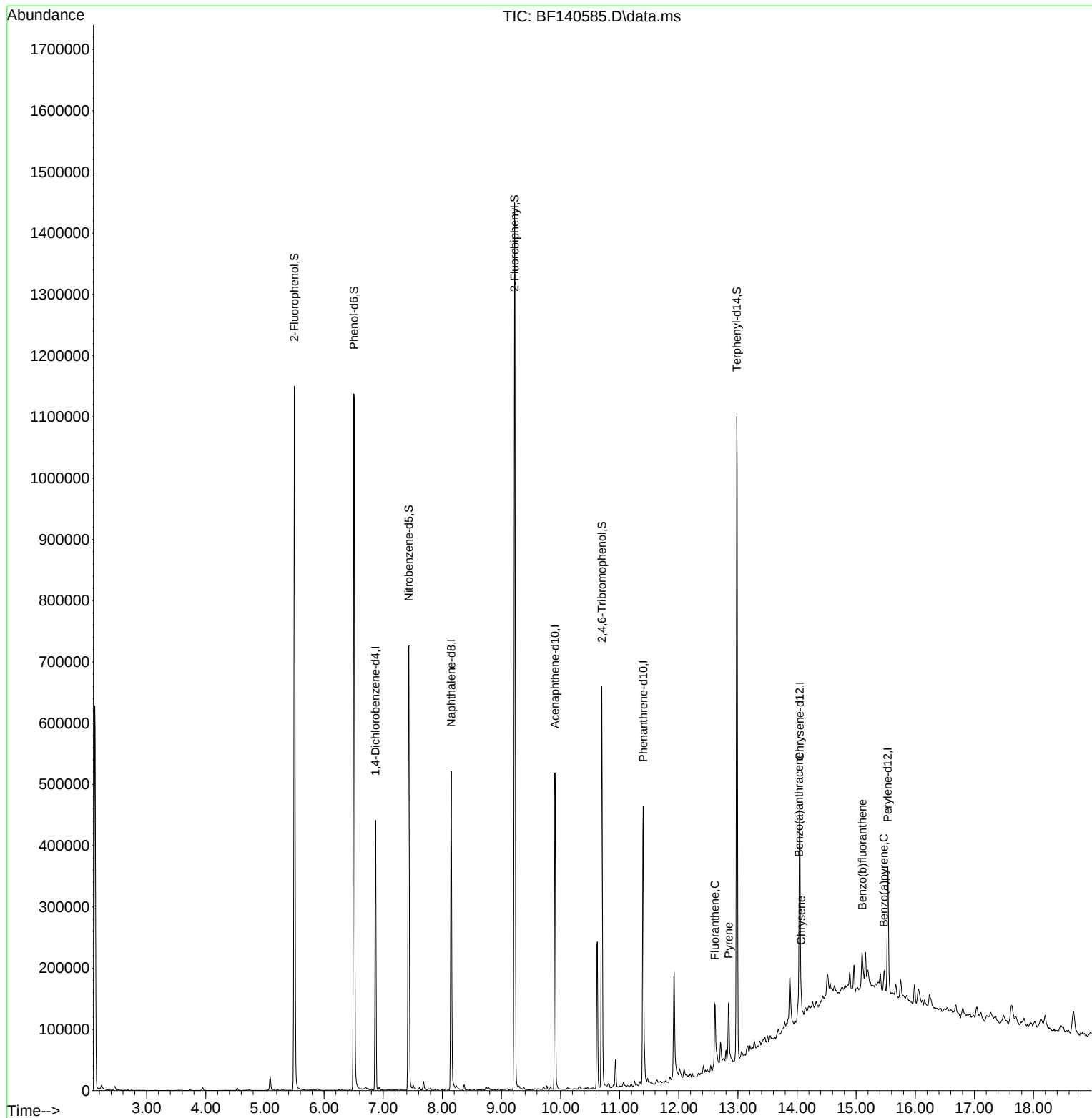
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140585.D
Acq On : 22 Nov 2024 18:35
Operator : RC/JU
Sample : P4822-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

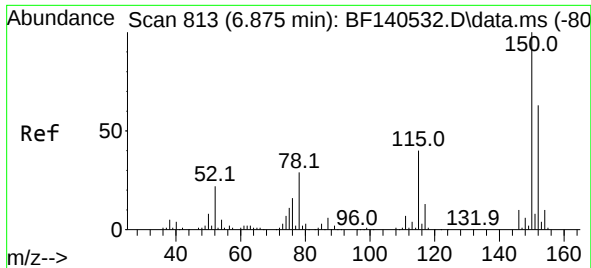
Instrument :
BNA_F
ClientSampleId :
SOIL-1

Manual Integrations
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Supervised By :mohammad ahmed 11/27/2024

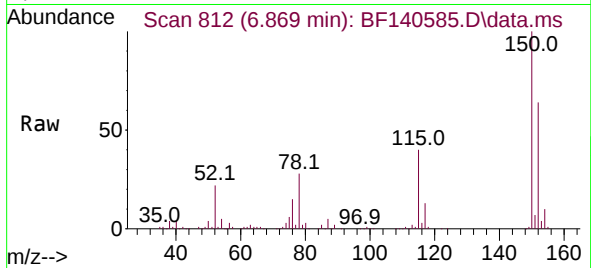
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

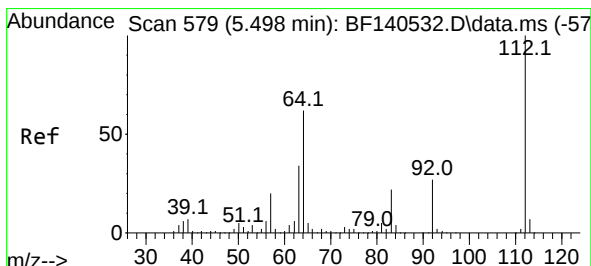
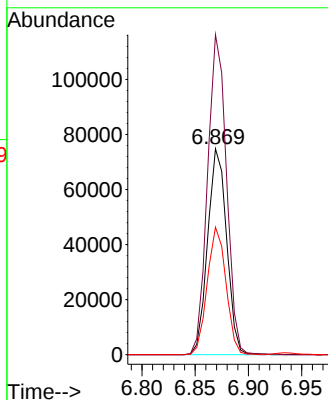
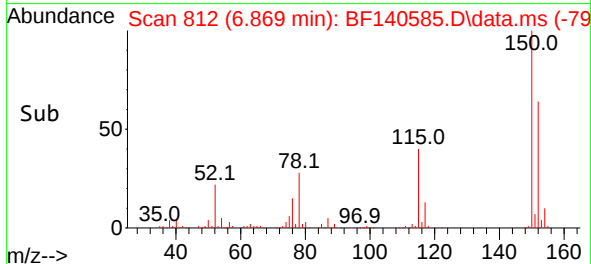
Instrument :
BNA_F
ClientSampleId :
SOIL-1



Tgt Ion:152 Resp: 92752
Ion Ratio Lower Upper
152 100
150 155.3 128.5 192.7
115 61.9 50.2 75.4

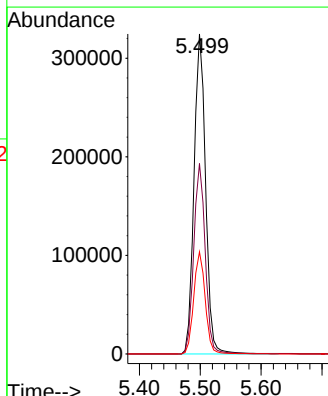
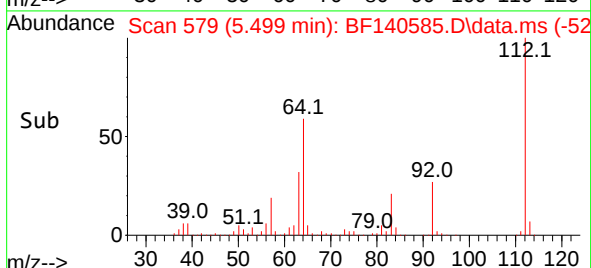
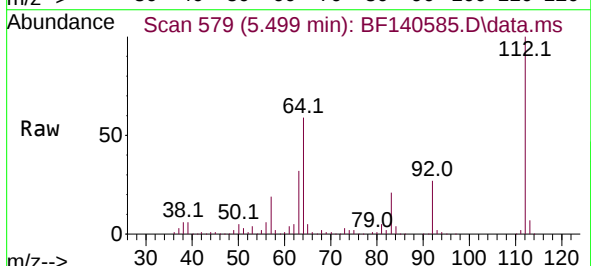
Manual Integrations
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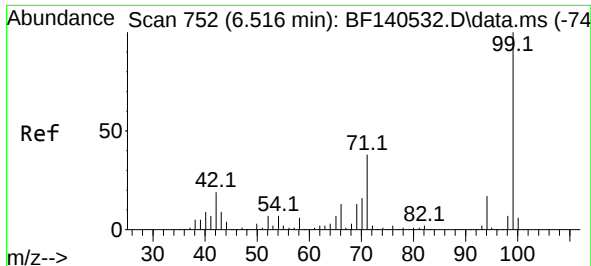
Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024



#5
2-Fluorophenol
Concen: 78.861 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Tgt Ion:112 Resp: 428701
Ion Ratio Lower Upper
112 100
64 59.5 49.2 73.8
63 31.9 27.0 40.4





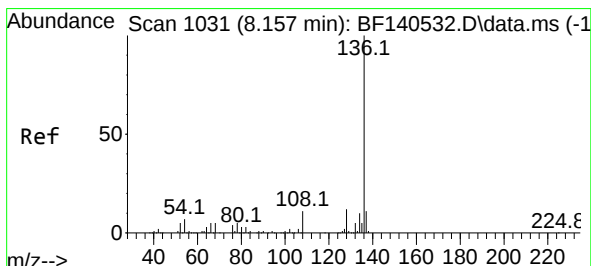
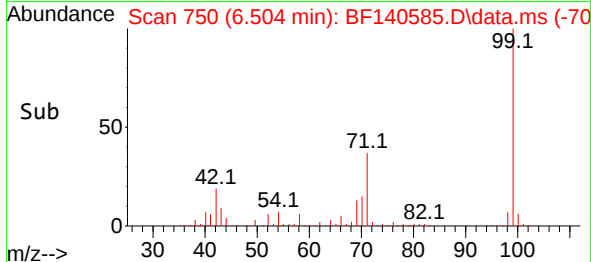
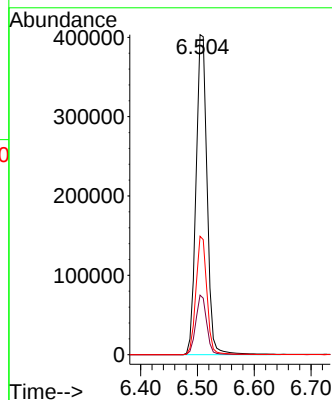
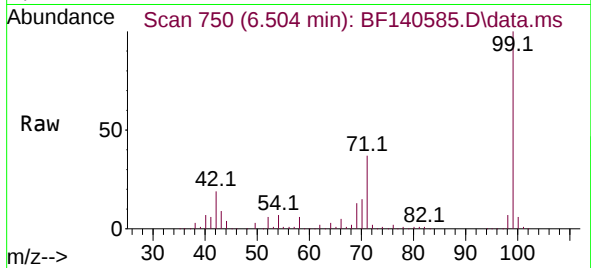
#7
Phenol-d6
Concen: 76.329 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Instrument :
BNA_F
ClientSampleId :
SOIL-1

Tgt Ion: 99 Resp: 54855
Ion Ratio Lower Upper
99 100
42 18.6 15.4 23.0
71 37.0 30.6 46.0

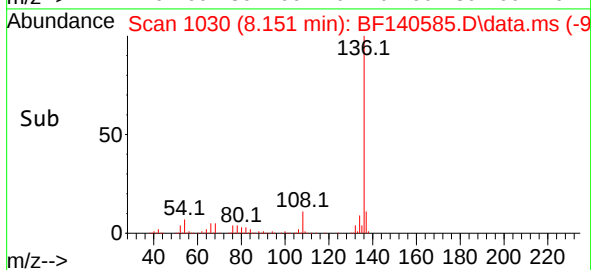
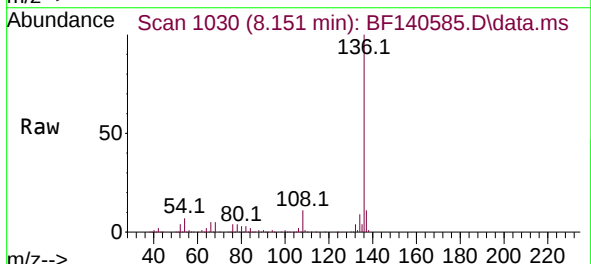
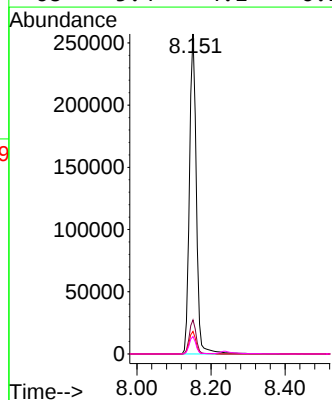
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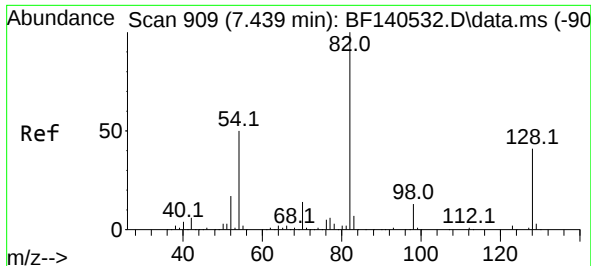
Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

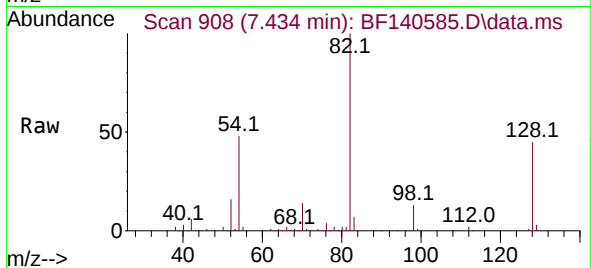
Tgt Ion:136 Resp: 331348
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.0 5.8 8.8
68 5.4 4.1 6.1





#23
Nitrobenzene-d5
Concen: 53.014 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

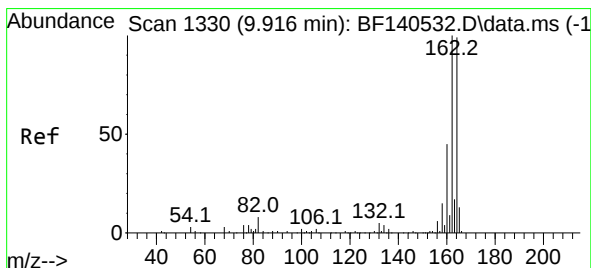
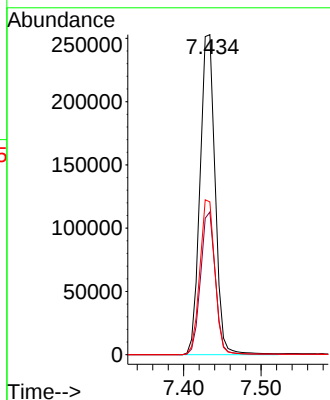
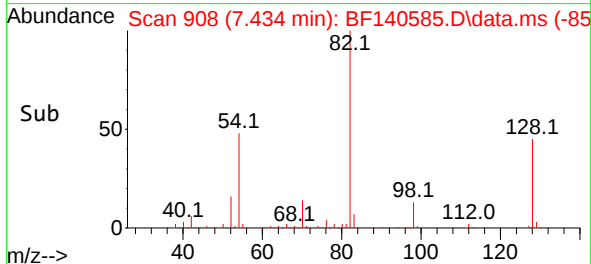
Instrument :
BNA_F
ClientSampleId :
SOIL-1



Tgt Ion: 82 Resp: 343419
Ion Ratio Lower Upper
82 100
128 44.6 33.0 49.4
54 47.8 39.5 59.3

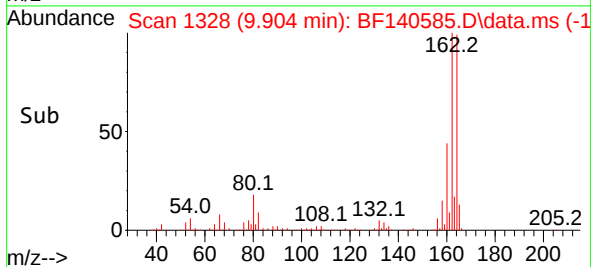
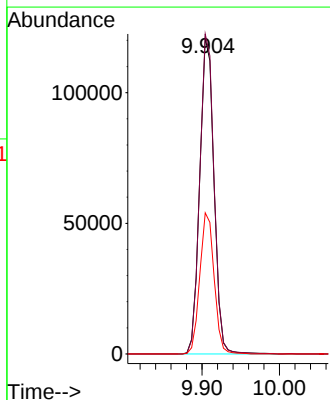
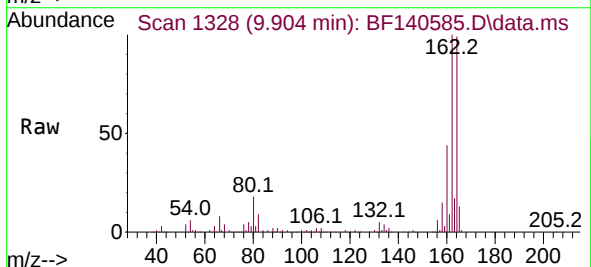
Manual Integrations
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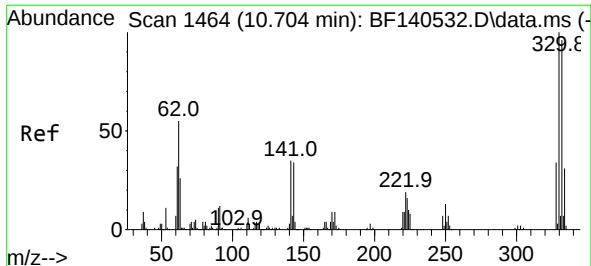
Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

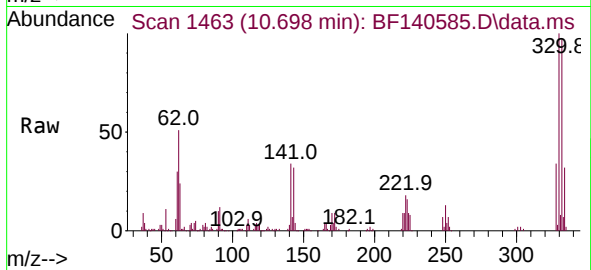
Tgt Ion:164 Resp: 154566
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 44.7 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 66.479 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

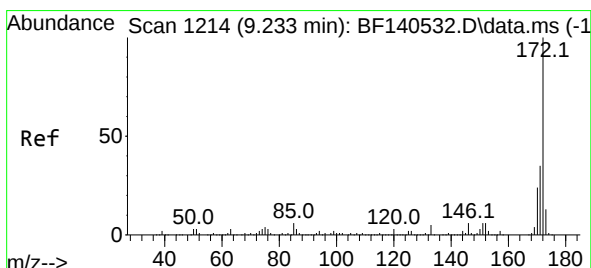
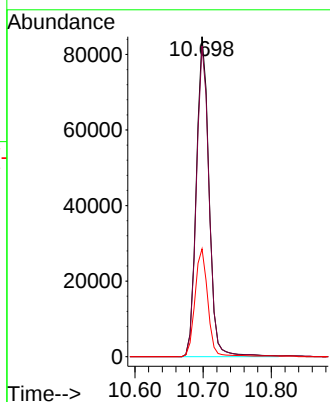
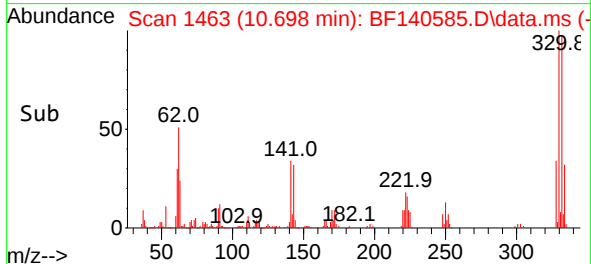
Instrument :
BNA_F
ClientSampleId :
SOIL-1



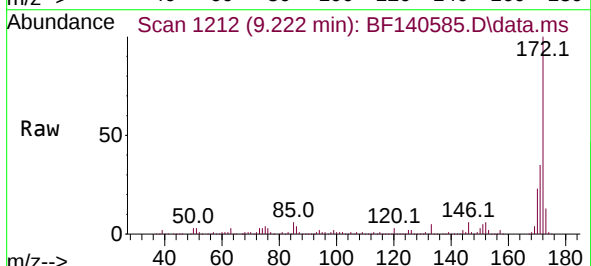
Tgt Ion:330 Resp: 109890
Ion Ratio Lower Upper
330 100
332 98.0 76.9 115.3
141 34.0 26.7 40.1

Manual Integrations
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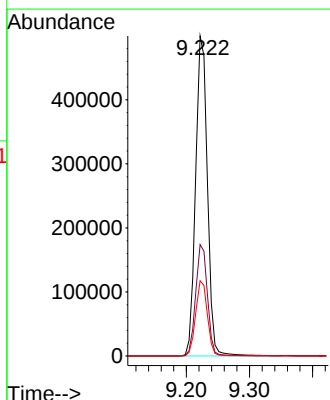
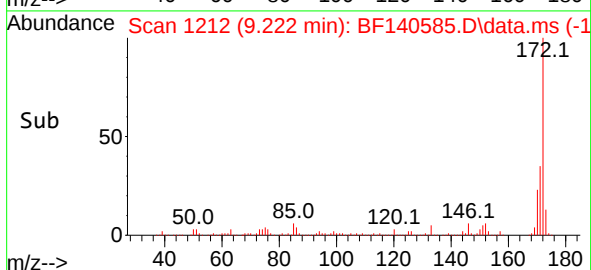
Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024

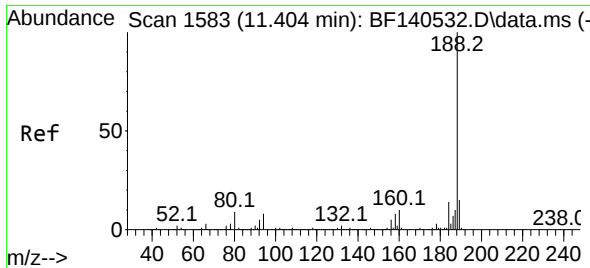


#45
2-Fluorobiphenyl
Concen: 62.393 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35



Tgt Ion:172 Resp: 647259
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 23.5 19.0 28.6





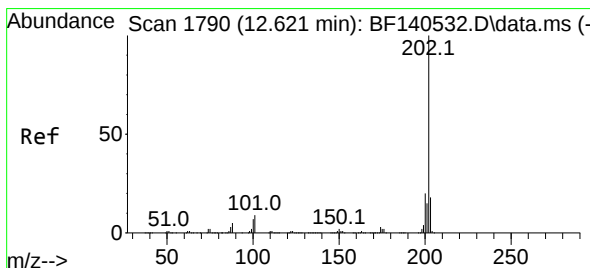
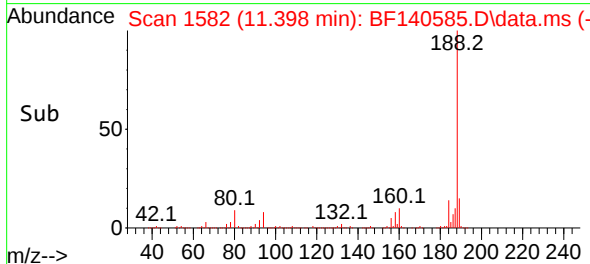
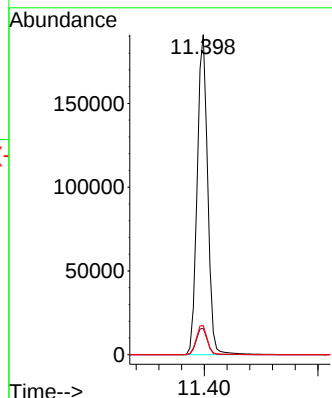
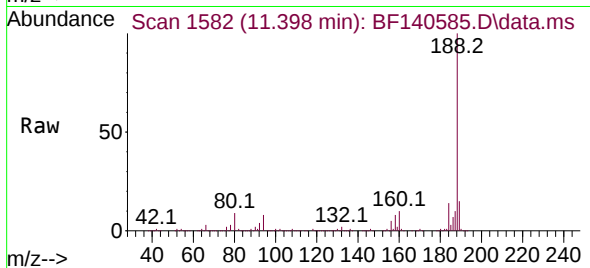
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Instrument :
BNA_F
ClientSampleId :
SOIL-1

Tgt Ion:188 Resp: 24578
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 9.1 6.9 10.3

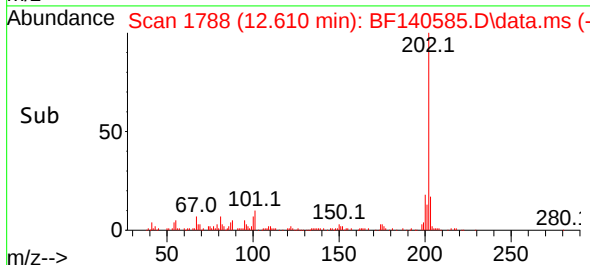
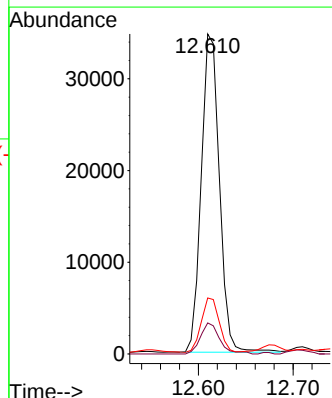
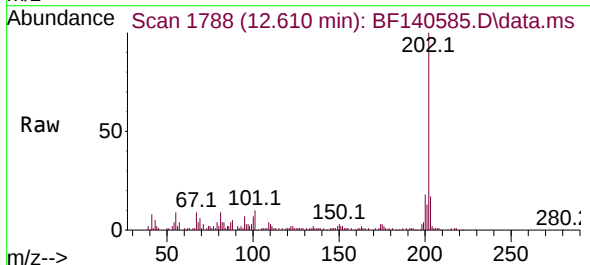
Manual Integrations
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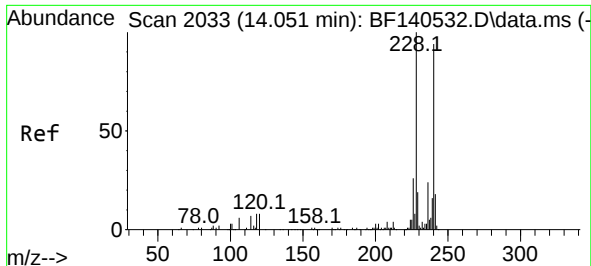
Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024



#75
Fluoranthene
Concen: 3.606 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

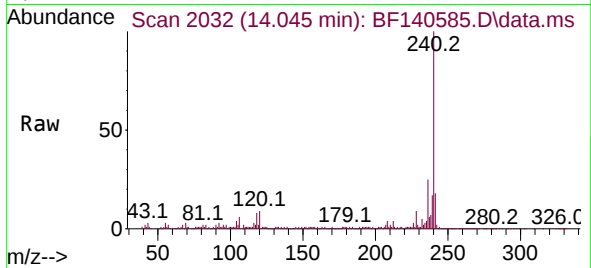
Tgt Ion:202 Resp: 46260
Ion Ratio Lower Upper
202 100
101 9.7 0.0 28.9
203 17.5 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

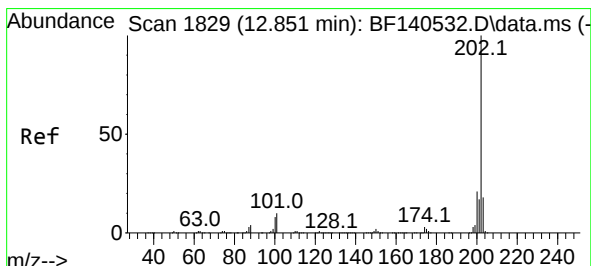
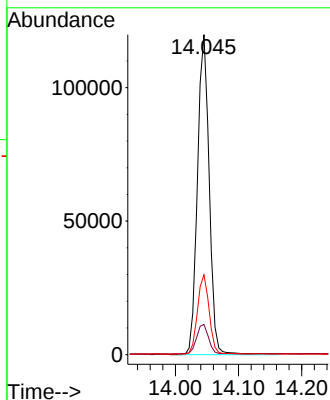
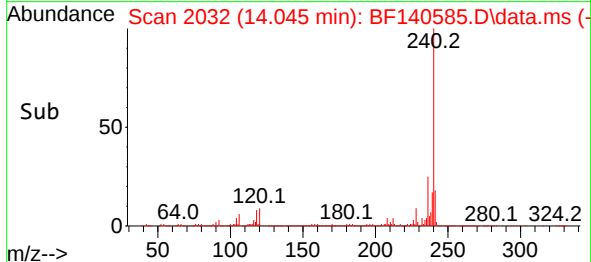
Instrument :
BNA_F
ClientSampleId :
SOIL-1



Tgt Ion:240 Resp: 15465
Ion Ratio Lower Upper
240 100
120 9.4 7.3 10.9
236 24.9 20.6 31.0

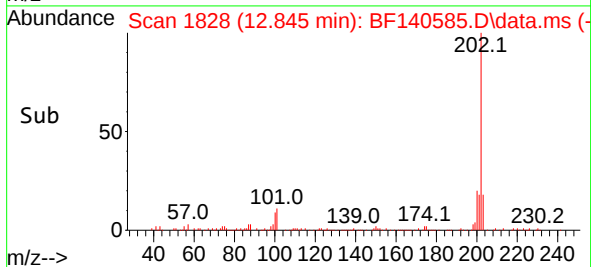
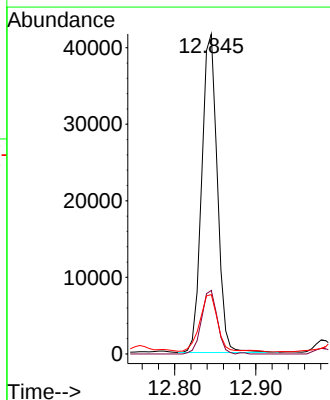
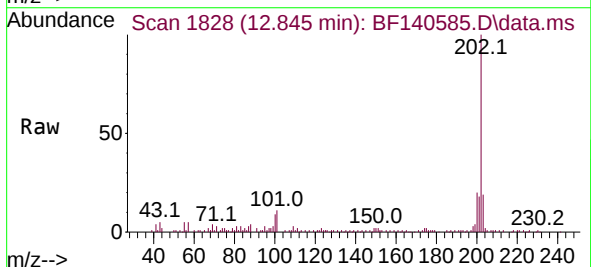
Manual Integrations
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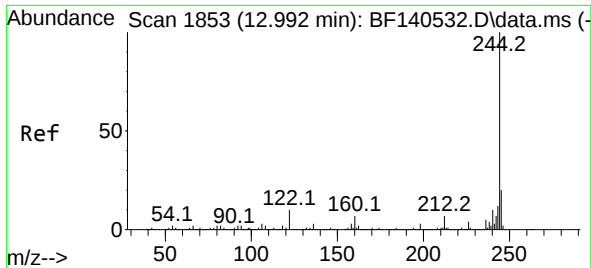
Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024



#78
Pyrene
Concen: 3.880 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

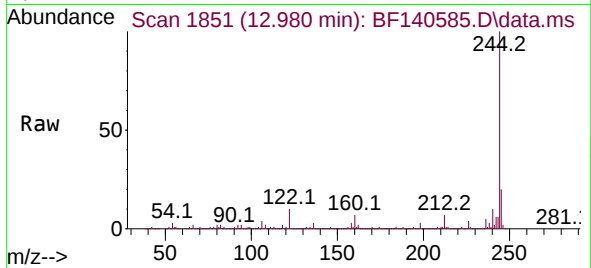
Tgt Ion:202 Resp: 55476
Ion Ratio Lower Upper
202 100
200 19.9 16.5 24.7
203 18.5 14.2 21.4





#79
Terphenyl-d14
Concen: 51.874 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

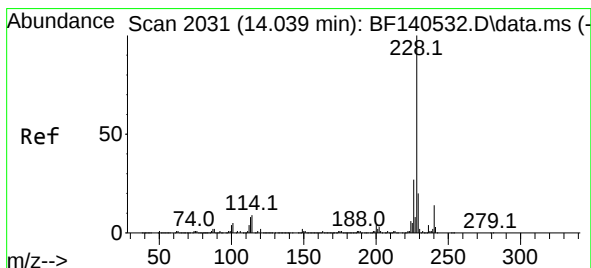
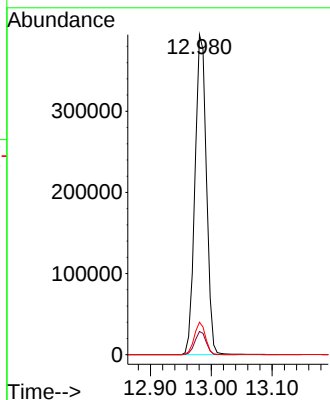
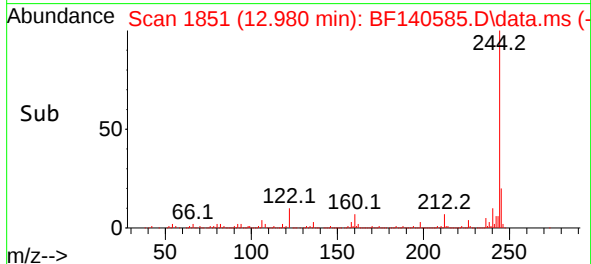
Instrument :
BNA_F
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SOIL-1



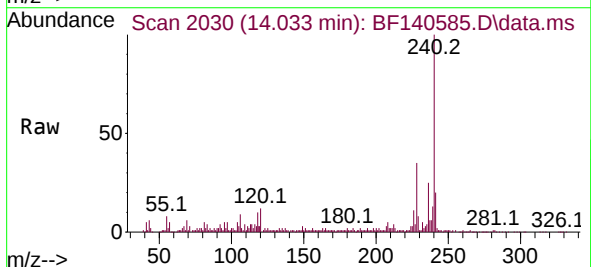
Tgt Ion:244 Resp: 51520
Ion Ratio Lower Upper
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212 7.3 5.8 8.8
122 10.2 8.0 12.0

Manual Integrations
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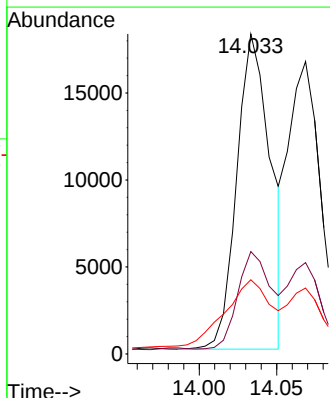
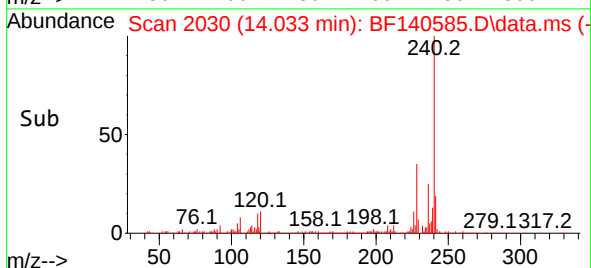
Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024

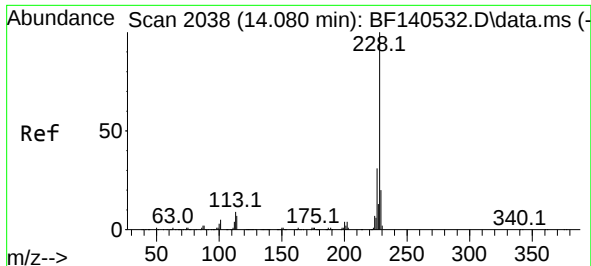


#81
Benzo(a)anthracene
Concen: 2.680 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35



Tgt Ion:228 Resp: 27433
Ion Ratio Lower Upper
228 100
226 32.0 21.8 32.8
229 23.2 15.8 23.6





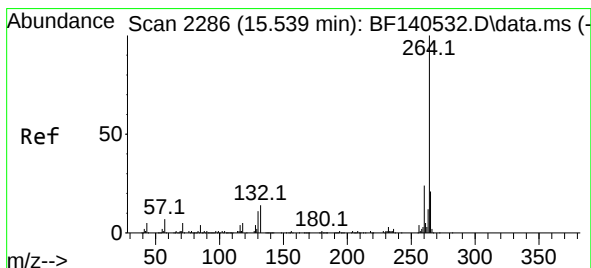
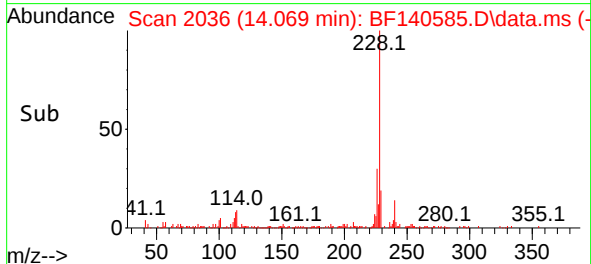
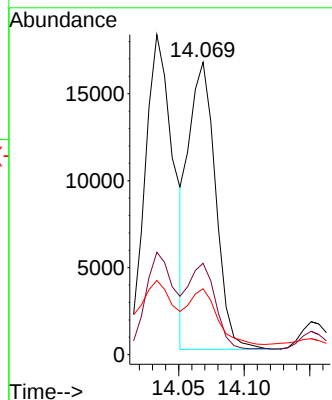
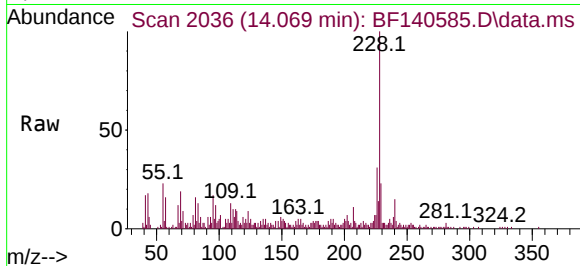
#83
Chrysene
Concen: 2.520 ng
RT: 14.069 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Instrument :
BNA_F
ClientSampleId :
SOIL-1

Tgt Ion:228 Resp: 23594
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 22.5 15.8 23.6

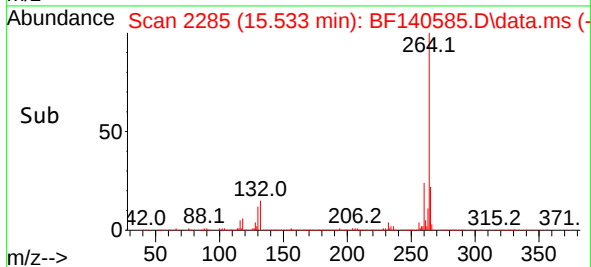
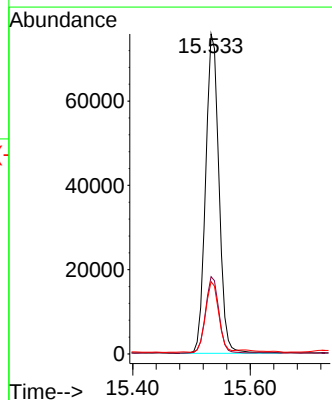
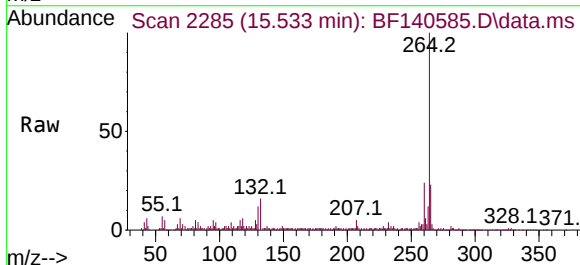
Manual Integrations
APPROVED

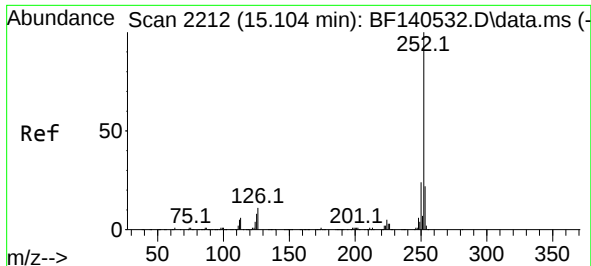
Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

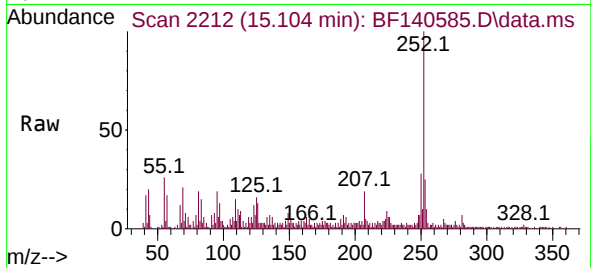
Tgt Ion:264 Resp: 119489
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 22.6 16.6 25.0





#88
Benzo(b)fluoranthene
Concen: 4.576 ng m
RT: 15.104 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

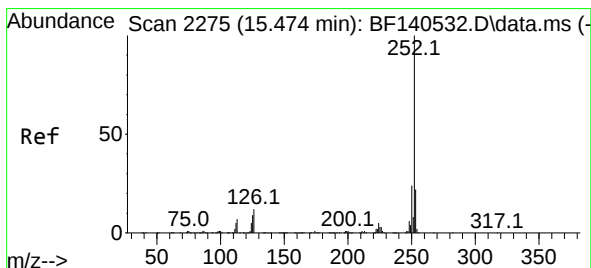
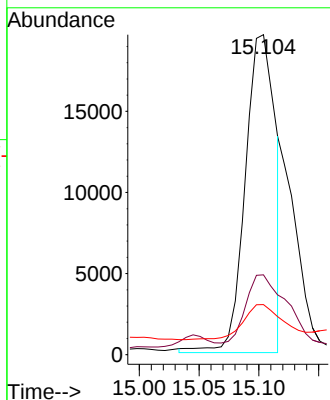
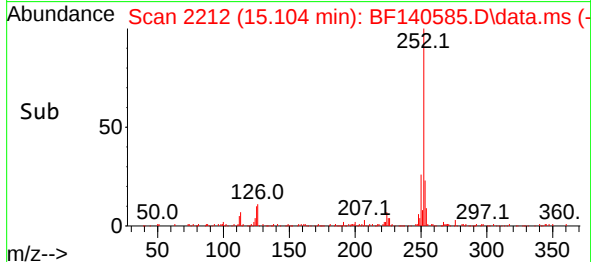
Instrument :
BNA_F
ClientSampleId :
SOIL-1



Tgt Ion:252 Resp: 3434
Ion Ratio Lower Upper
252 100
253 25.0 17.2 25.8
125 15.6 6.7 10.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024



#90
Benzo(a)pyrene
Concen: 2.855 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Tgt Ion:252 Resp: 17420
Ion Ratio Lower Upper
252 100
253 27.9 17.3 25.9#
125 19.5 7.0 10.6#

