

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140517.D
 Acq On : 20 Nov 2024 23:06
 Operator : RC/JU
 Sample : P4822-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 00:09:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	96480	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	314709	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	146621	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	284987	20.000	ng	0.00
76) Chrysene-d12	14.045	240	192365	20.000	ng	0.00
86) Perylene-d12	15.545	264	146314	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	480204	84.981	ng	0.01
7) Phenol-d6	6.510	99	584224	76.311	ng	0.00
23) Nitrobenzene-d5	7.434	82	365389	60.493	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	131048	89.880	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	647405	70.981	ng	0.00
79) Terphenyl-d14	12.986	244	736174	66.428	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	47154	3.522	ng	99
75) Fluoranthene	12.616	202	94302	6.279	ng	99
78) Pyrene	12.845	202	88844	5.399	ng	98
81) Benzo(a)anthracene	14.039	228	42550	3.366	ng	# 92
83) Chrysene	14.074	228	33476	2.902	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.016	149	19954	2.365	ng	# 94
88) Benzo(b)fluoranthene	15.110	252	33761m	3.527	ng	
89) Benzo(k)fluoranthene	15.121	252	18092m	2.314	ng	
90) Benzo(a)pyrene	15.480	252	23104	3.108	ng	# 83

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

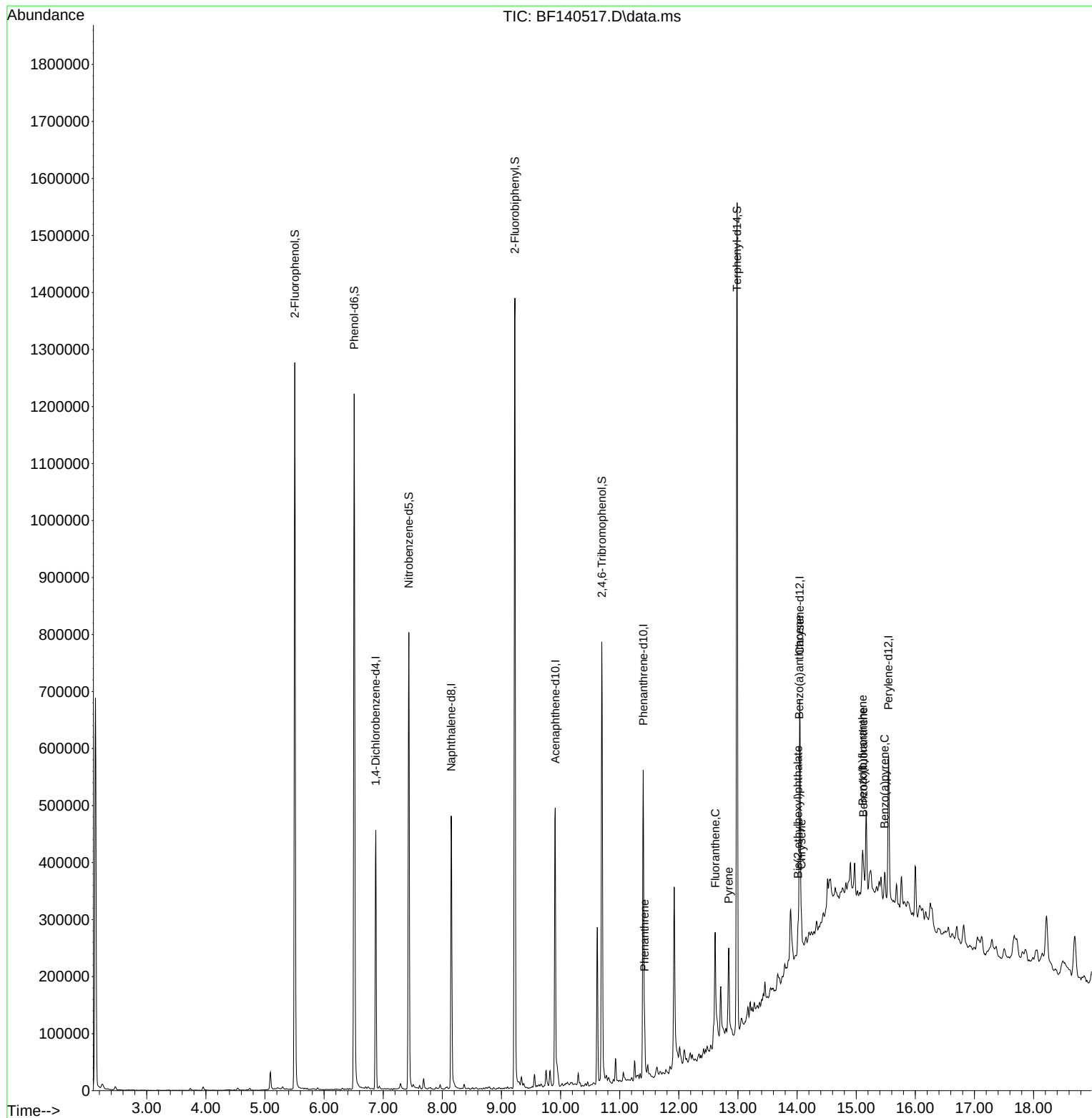
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140517.D
Acq On : 20 Nov 2024 23:06
Operator : RC/JU
Sample : P4822-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

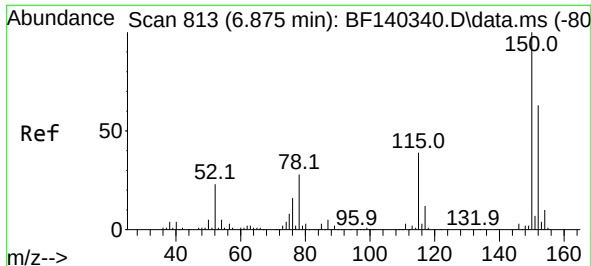
Instrument :
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SOIL-4

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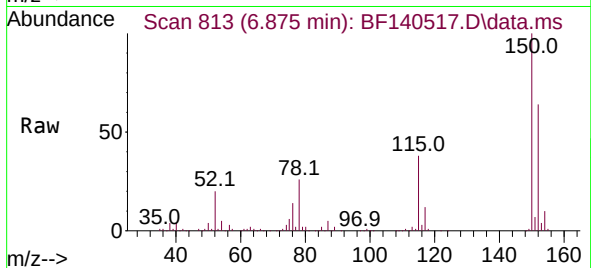
Quant Time: Nov 21 00:09:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

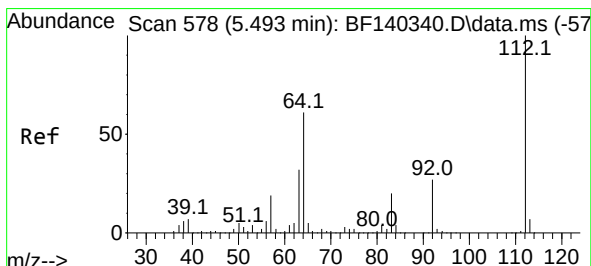
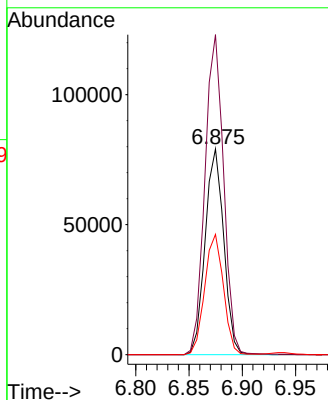
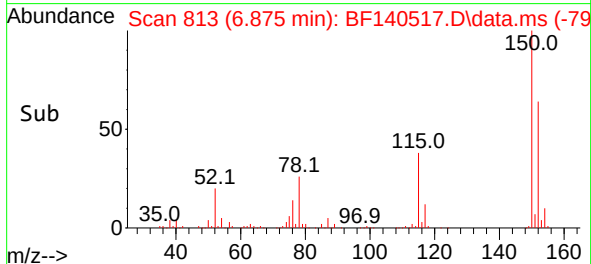
Instrument :
BNA_F
ClientSampleId :
SOIL-4



Tgt Ion:152 Resp: 96480
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.0
115 58.5 47.4 71.2

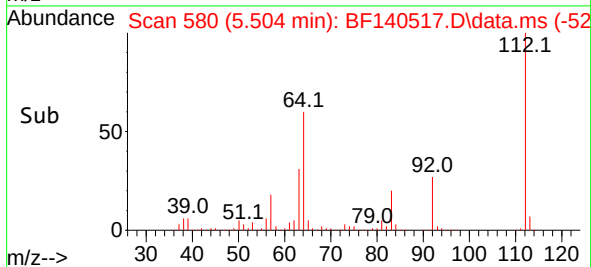
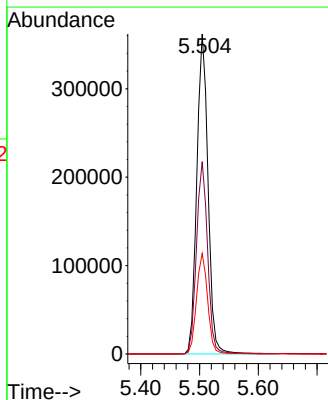
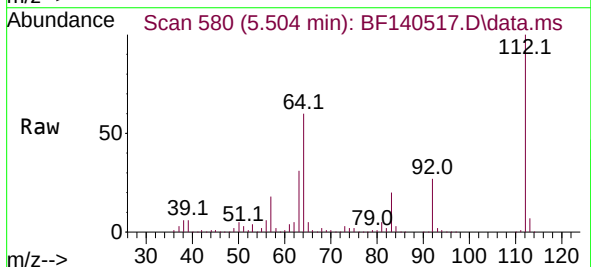
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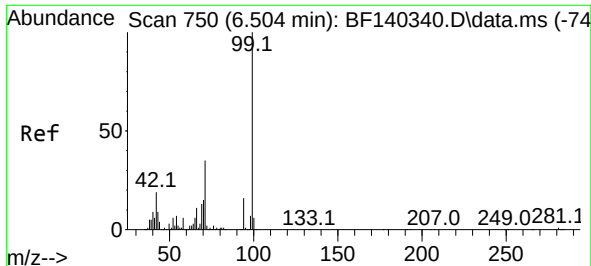
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#5
2-Fluorophenol
Concen: 84.981 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Tgt Ion:112 Resp: 480204
Ion Ratio Lower Upper
112 100
64 60.1 49.2 73.8
63 31.4 25.6 38.4





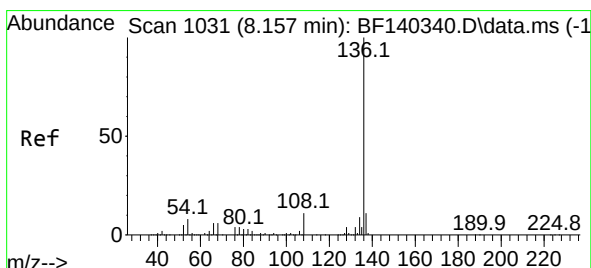
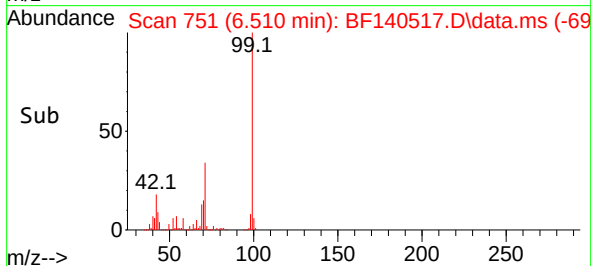
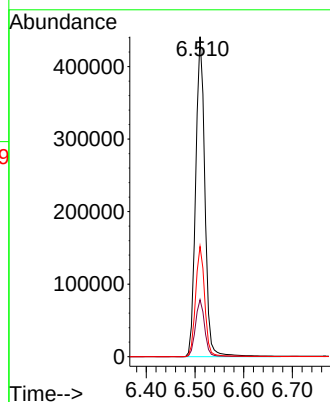
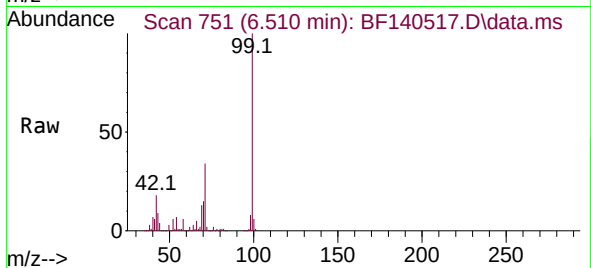
#7
Phenol-d6
Concen: 76.311 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Instrument :
BNA_F
ClientSampleId :
SOIL-4

Tgt Ion: 99 Resp: 584224
Ion Ratio Lower Upper
99 100
42 17.8 15.1 22.7
71 34.5 27.9 41.9

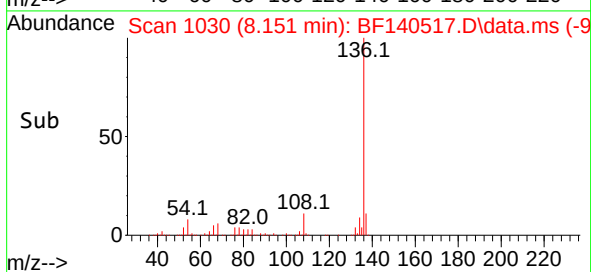
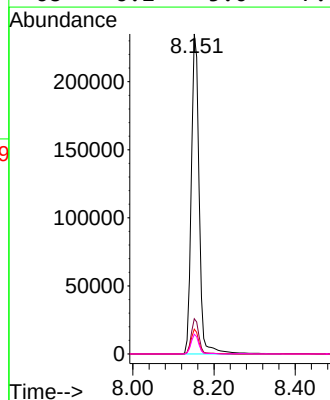
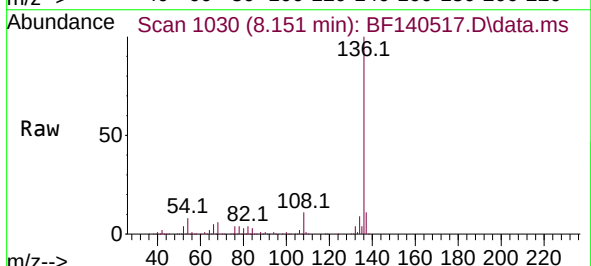
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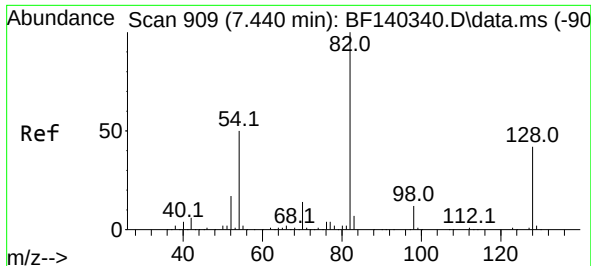
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Tgt Ion:136 Resp: 314709
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.7 6.5 9.7
68 6.2 5.0 7.6





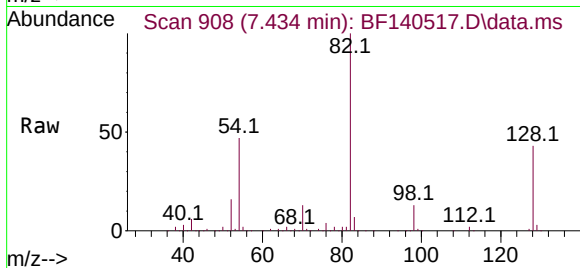
#23
Nitrobenzene-d5
Concen: 60.493 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Instrument :

BNA_F

ClientSampleId :

SOIL-4

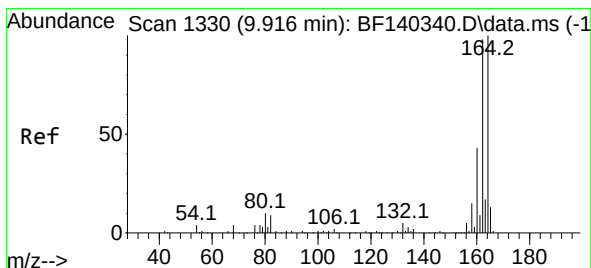
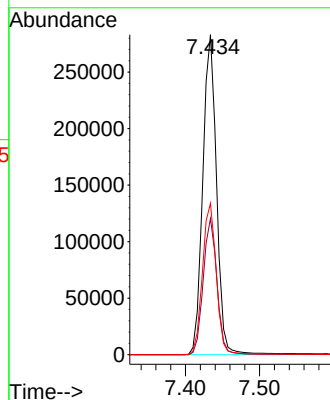
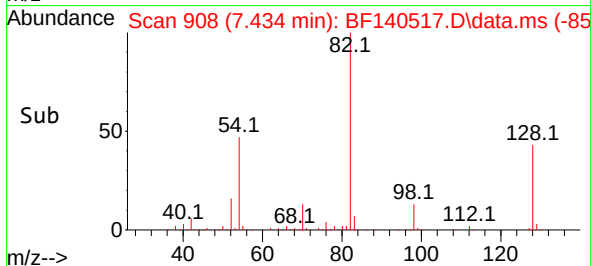


Tgt Ion: 82 Resp: 365389
Ion Ratio Lower Upper
82 100
128 42.5 33.3 49.9
54 47.3 39.8 59.8

Manual Integrations

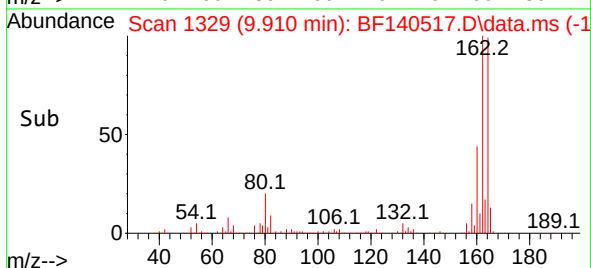
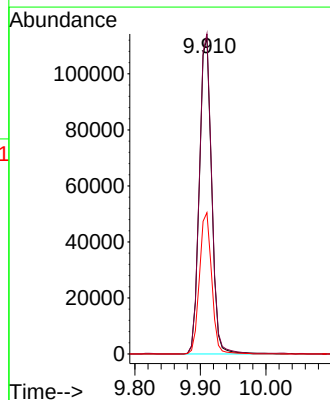
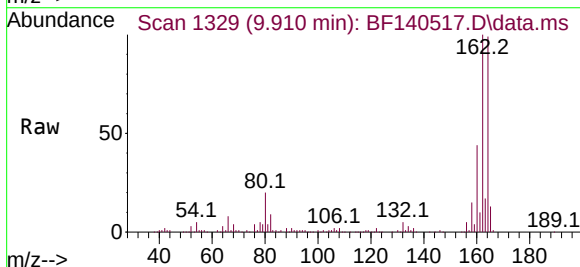
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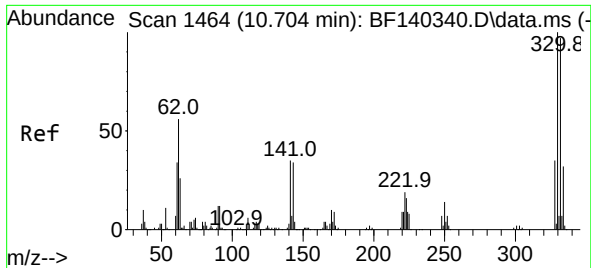
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Tgt Ion:164 Resp: 146621
Ion Ratio Lower Upper
164 100
162 101.1 79.8 119.8
160 44.7 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 89.880 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Instrument :

BNA_F

ClientSampleId :

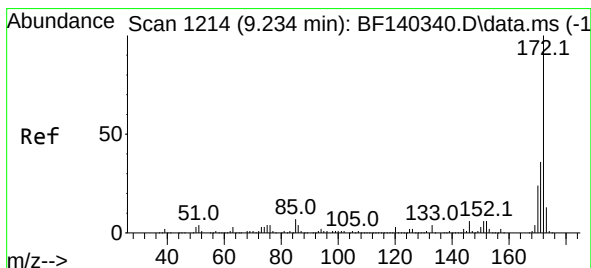
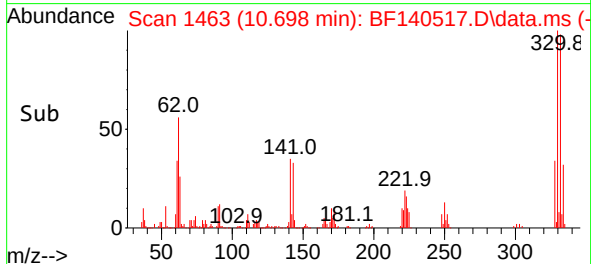
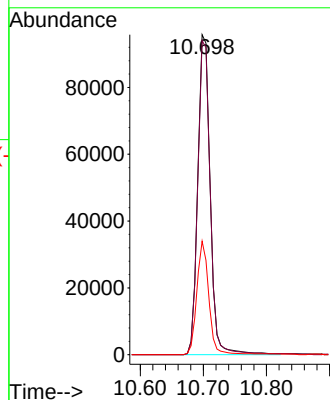
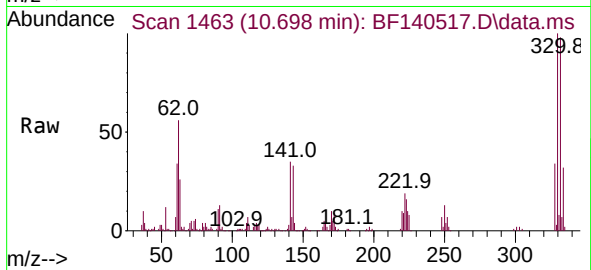
SOIL-4

Tgt Ion:330 Resp: 131048
Ion Ratio Lower Upper
330 100
332 98.1 75.9 113.9
141 34.9 26.9 40.3

Manual Integrations

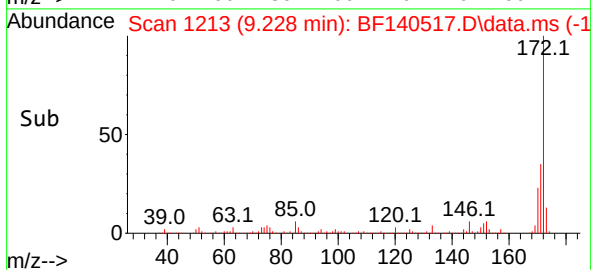
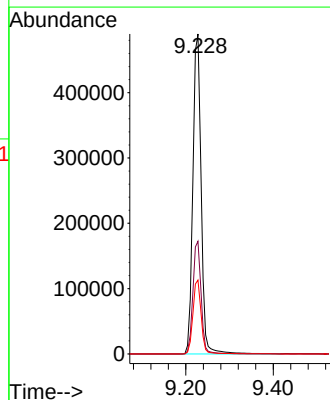
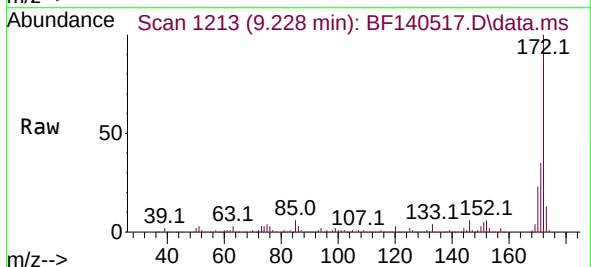
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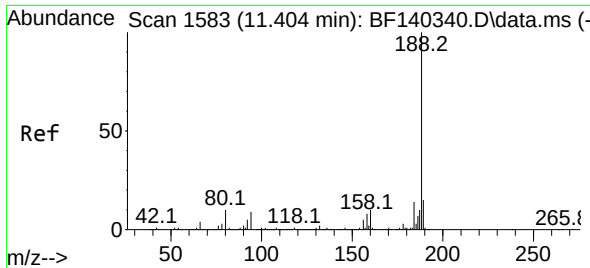
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#45
2-Fluorobiphenyl
Concen: 70.981 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Tgt Ion:172 Resp: 647405
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.1 19.1 28.7





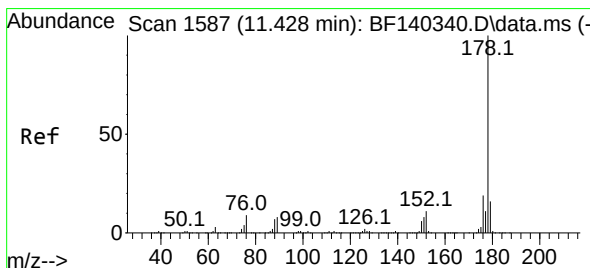
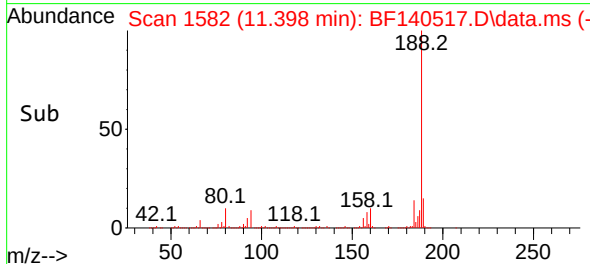
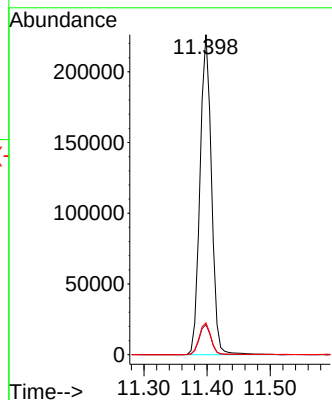
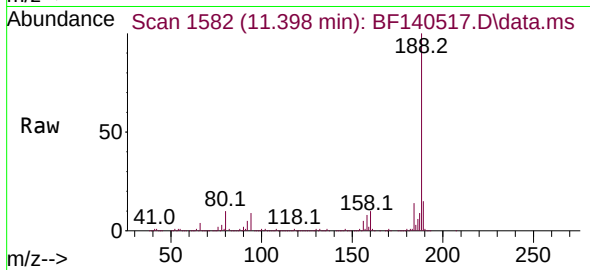
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Instrument :
BNA_F
ClientSampleId :
SOIL-4

Tgt Ion:188 Resp: 28498
Ion Ratio Lower Upper
188 100
94 9.4 7.6 11.4
80 10.0 8.0 12.0

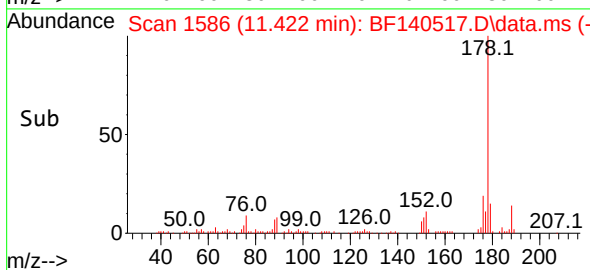
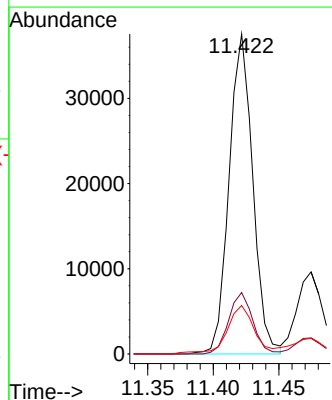
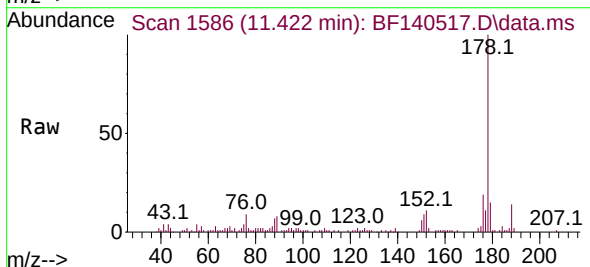
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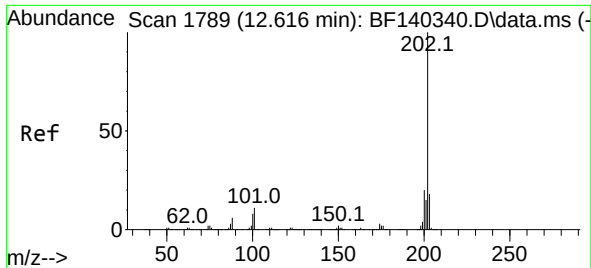
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#71
Phenanthrene
Concen: 3.522 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

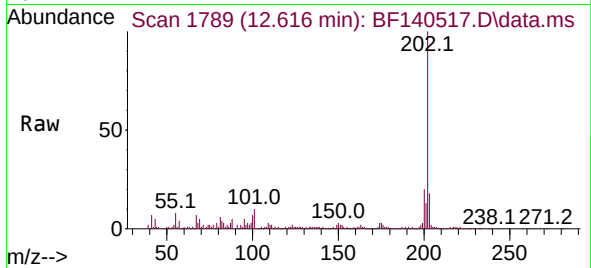
Tgt Ion:178 Resp: 47154
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.4 18.6





#75
Fluoranthene
Concen: 6.279 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

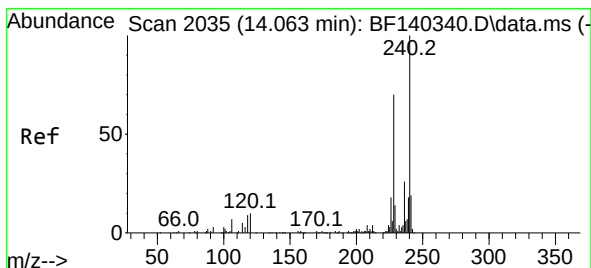
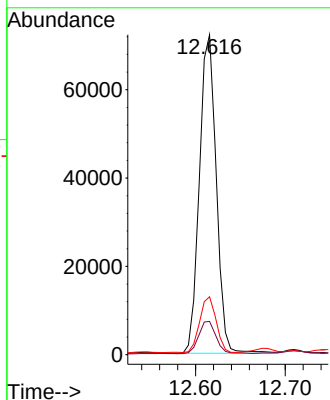
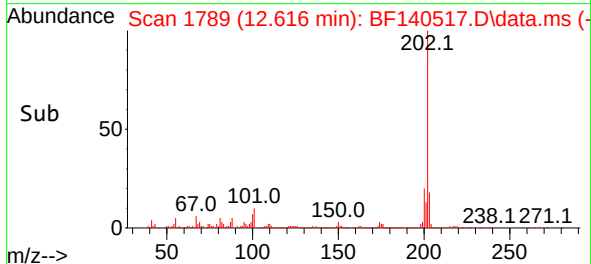
Instrument :
BNA_F
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SOIL-4



Tgt Ion:202 Resp: 94302
Ion Ratio Lower Upper
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101 10.4 0.0 30.7
203 18.1 0.0 37.7

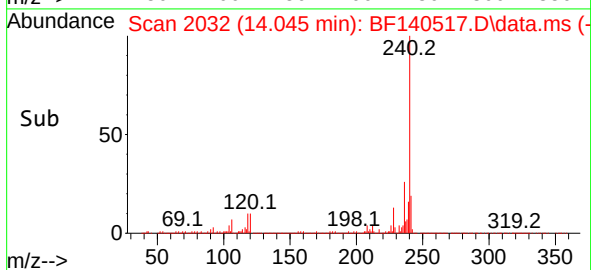
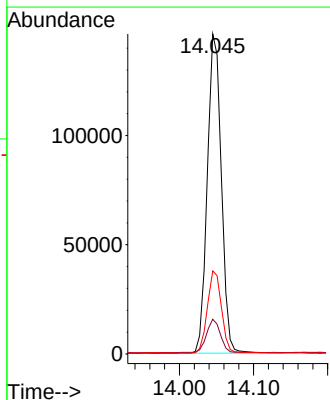
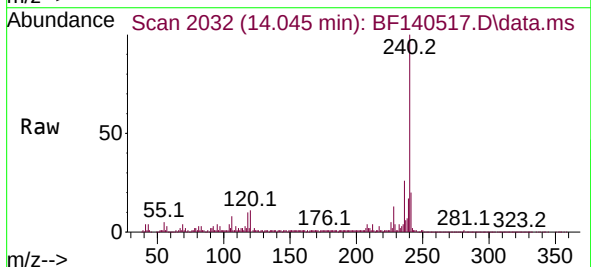
Manual Integrations
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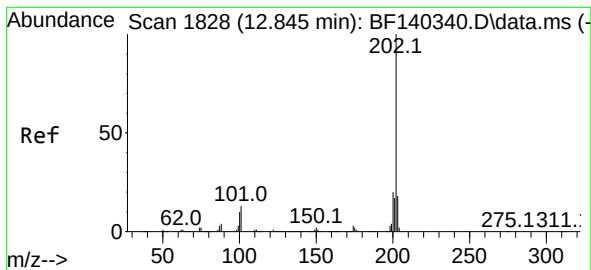
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Tgt Ion:240 Resp: 192365
Ion Ratio Lower Upper
240 100
120 10.8 8.8 13.2
236 25.9 20.9 31.3





#78

Pyrene

Concen: 5.399 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140517.D

Acq: 20 Nov 2024 23:06

Instrument :

BNA_F

ClientSampleId :

SOIL-4

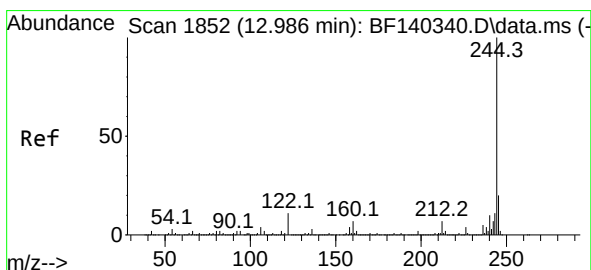
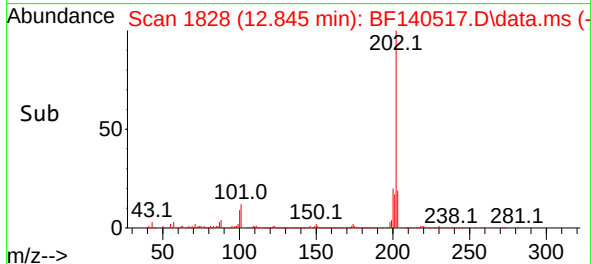
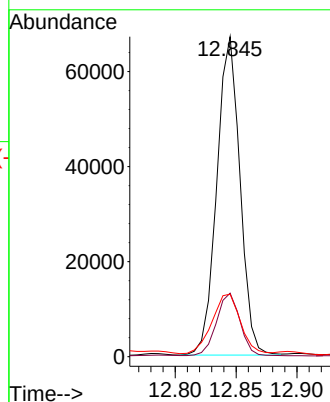
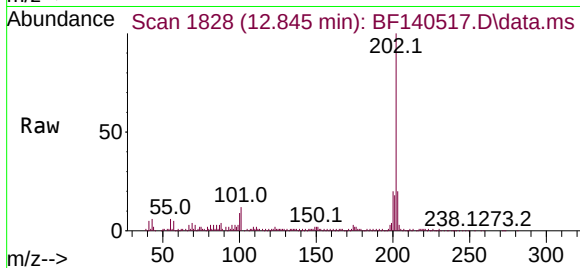
Tgt Ion:	202	Resp:	8884
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.2	24.2
203	19.6	14.2	21.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#79

Terphenyl-d14

Concen: 66.428 ng

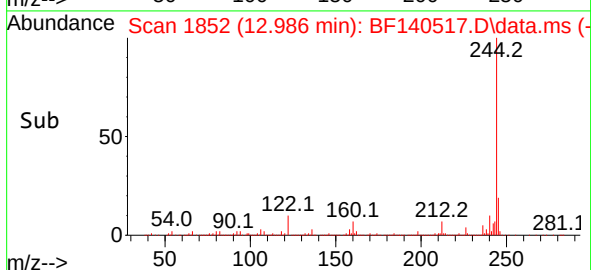
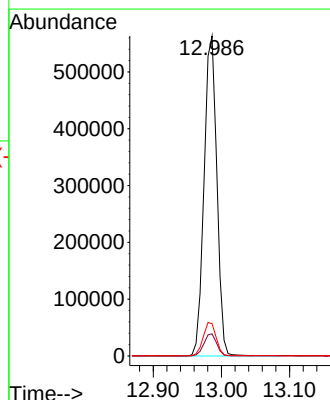
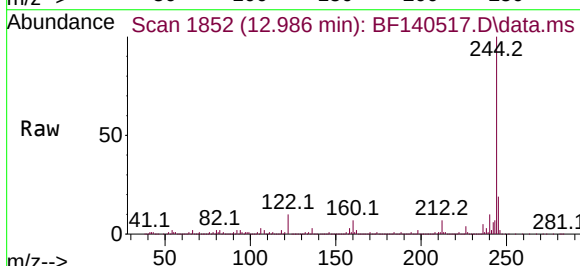
RT: 12.986 min Scan# 1852

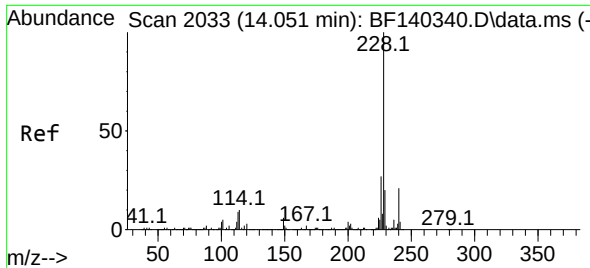
Delta R.T. -0.000 min

Lab File: BF140517.D

Acq: 20 Nov 2024 23:06

Tgt Ion:	244	Resp:	736174
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.8
122	10.1	8.8	13.2





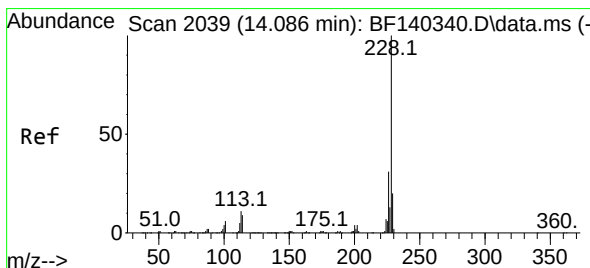
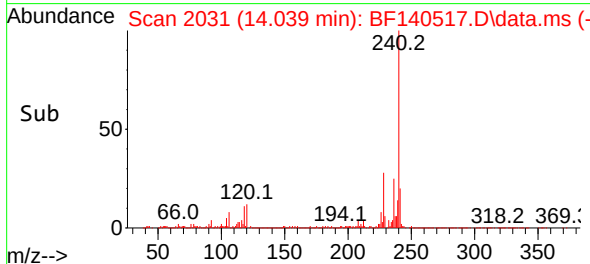
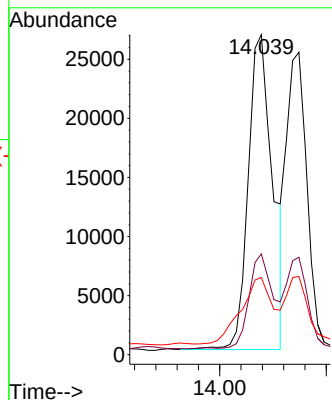
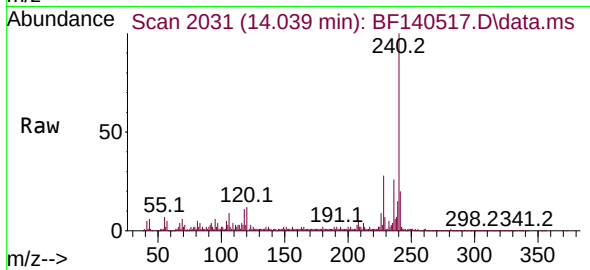
#81
Benzo(a)anthracene
Concen: 3.366 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Instrument :
BNA_F
ClientSampleId :
SOIL-4

Tgt Ion:228 Resp: 42550
Ion Ratio Lower Upper
228 100
226 31.5 22.2 33.4
229 24.1 15.8 23.6

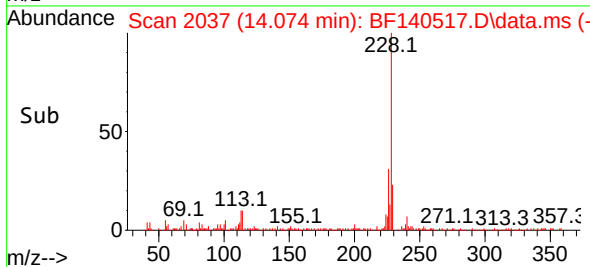
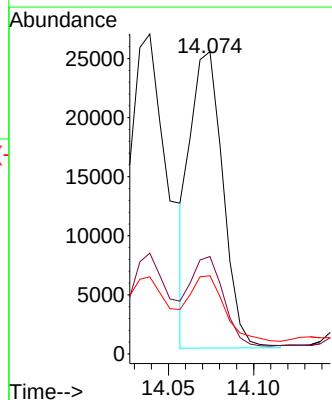
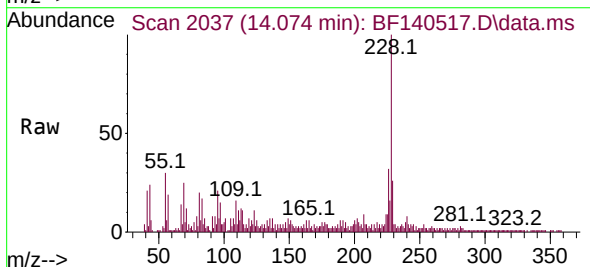
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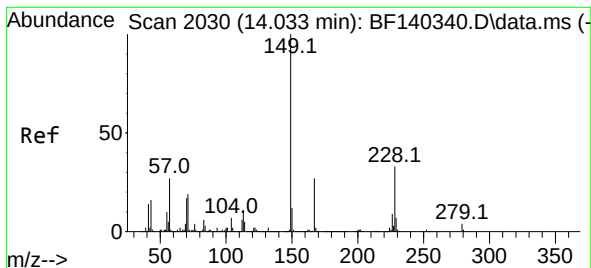
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#83
Chrysene
Concen: 2.902 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

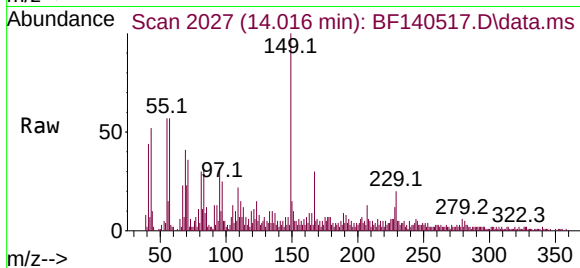
Tgt Ion:228 Resp: 33476
Ion Ratio Lower Upper
228 100
226 32.2 24.5 36.7
229 25.9 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.365 ng
RT: 14.016 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

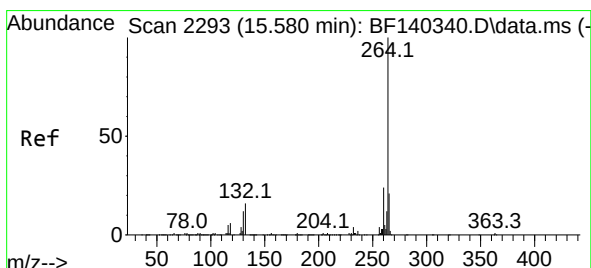
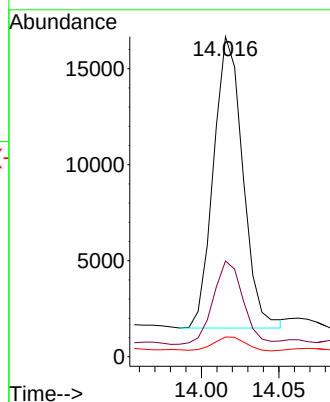
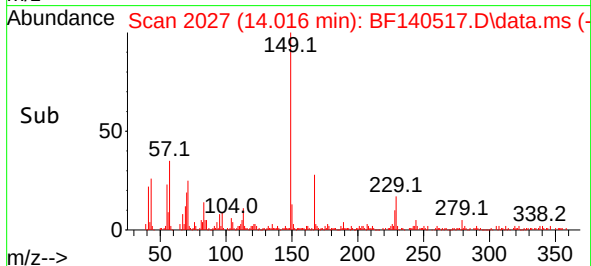
Instrument :
BNA_F
ClientSampleId :
SOIL-4



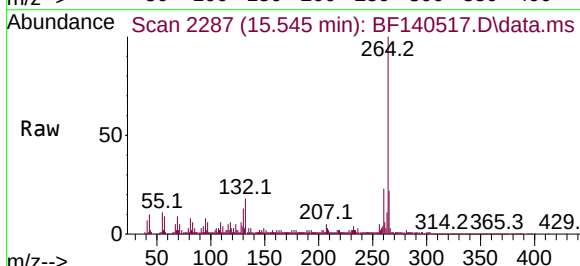
Tgt Ion:149 Resp: 19954
Ion Ratio Lower Upper
149 100
167 29.9 21.4 32.0
279 6.2 3.0 4.6

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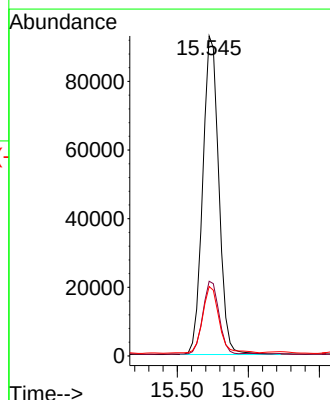
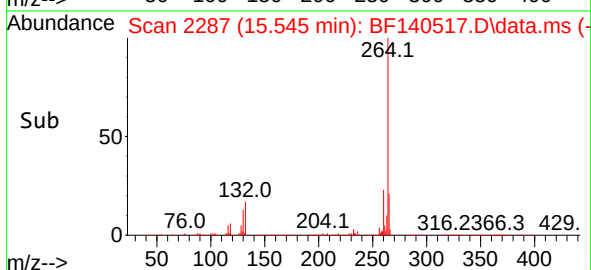
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

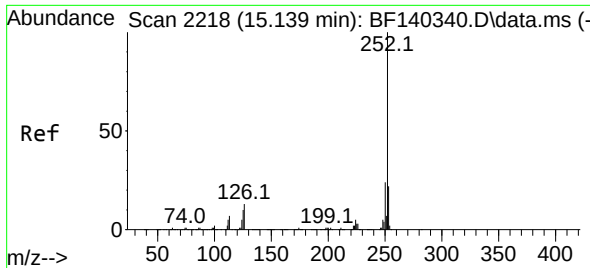


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. -0.012 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06



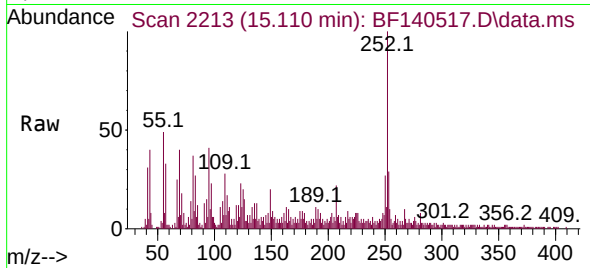
Tgt Ion:264 Resp: 146314
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.7 17.1 25.7





#88
Benzo(b)fluoranthene
Concen: 3.527 ng m
RT: 15.110 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

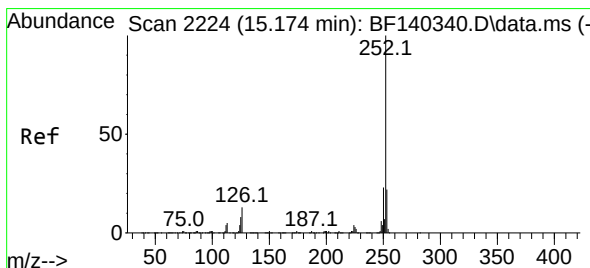
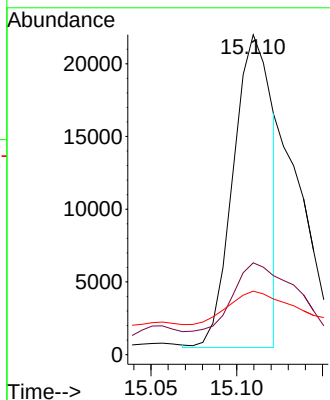
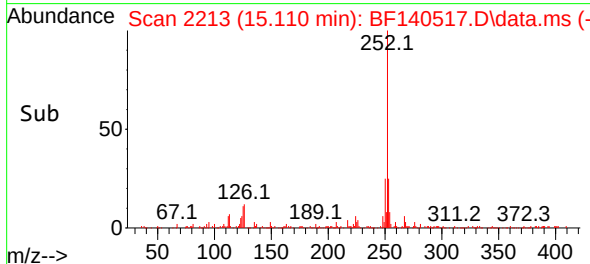
Instrument :
BNA_F
ClientSampleId :
SOIL-4



Tgt Ion:252 Resp: 3376
Ion Ratio Lower Upper
252 100
253 28.7 17.5 26.3#
125 19.8 8.0 12.0#

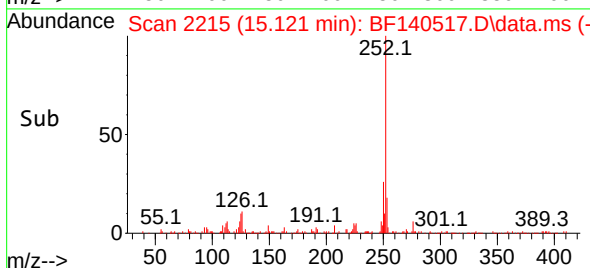
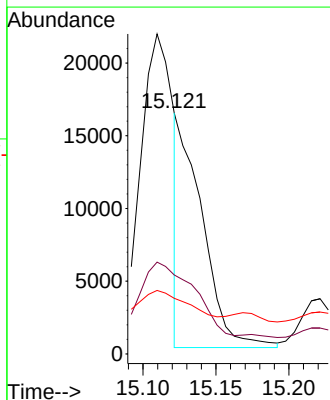
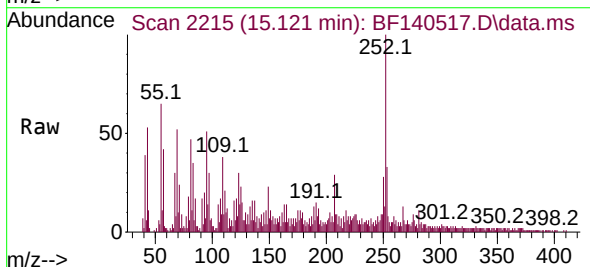
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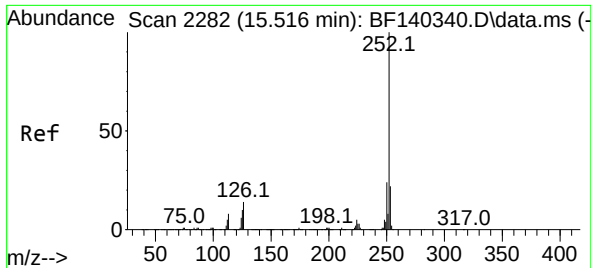
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#89
Benzo(k)fluoranthene
Concen: 2.314 ng m
RT: 15.121 min Scan# 2215
Delta R.T. -0.029 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

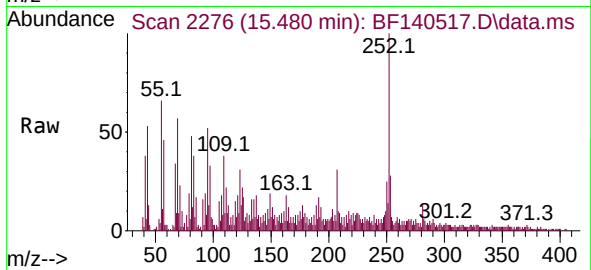
Tgt Ion:252 Resp: 18092
Ion Ratio Lower Upper
252 100
253 32.8 17.3 25.9#
125 23.1 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 3.108 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Instrument :
BNA_F
ClientSampleId :
SOIL-4



Tgt Ion:252 Resp: 23104
Ion Ratio Lower Upper
252 100
253 27.6 17.8 26.6
125 21.7 8.4 12.6

Manual Integrations
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Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

