

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140515.D
 Acq On : 20 Nov 2024 22:13
 Operator : RC/JU
 Sample : P4822-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6

Manual Integrations
 APPROVED

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

Quant Time: Nov 21 00:09:13 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	108224	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	360674	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	164153	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	294426	20.000	ng	0.00
76) Chrysene-d12	14.045	240	239458	20.000	ng	0.00
86) Perylene-d12	15.545	264	181365	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	620699	97.924	ng	0.01
7) Phenol-d6	6.510	99	756705	88.114	ng	0.00
23) Nitrobenzene-d5	7.434	82	483971	69.914	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	159776	97.880	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	824223	80.716	ng	0.00
79) Terphenyl-d14	12.986	244	885815	64.211	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	35711	2.582	ng	99
75) Fluoranthene	12.610	202	79002	5.091	ng	98
78) Pyrene	12.845	202	71264	3.479	ng	98
81) Benzo(a)anthracene	14.033	228	38870	2.470	ng	96
83) Chrysene	14.068	228	35166	2.449	ng	97
88) Benzo(b)fluoranthene	15.104	252	37941m	3.198	ng	
90) Benzo(a)pyrene	15.474	252	22614	2.455	ng	# 87

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

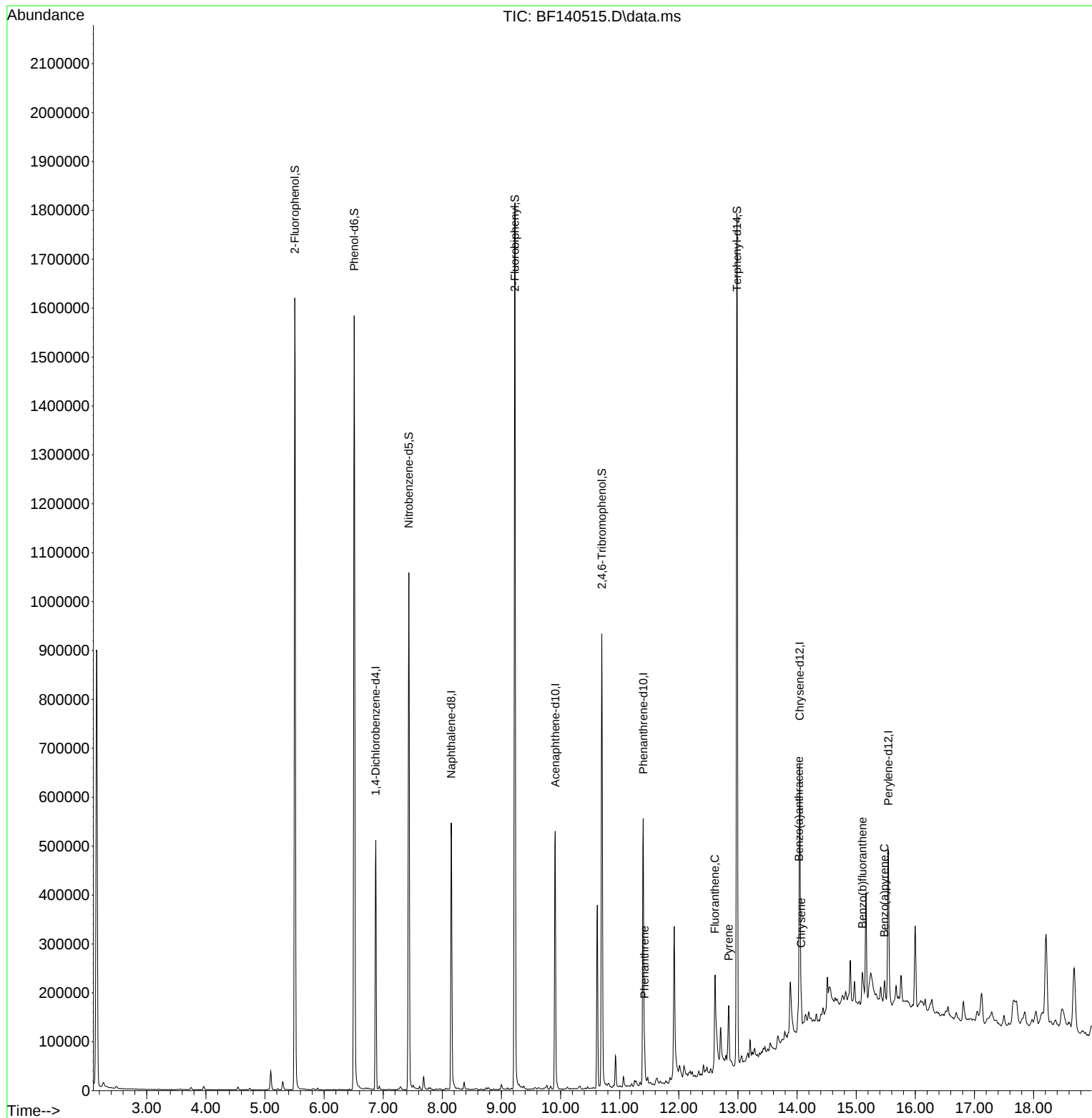
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140515.D
Acq On : 20 Nov 2024 22:13
Operator : RC/JU
Sample : P4822-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

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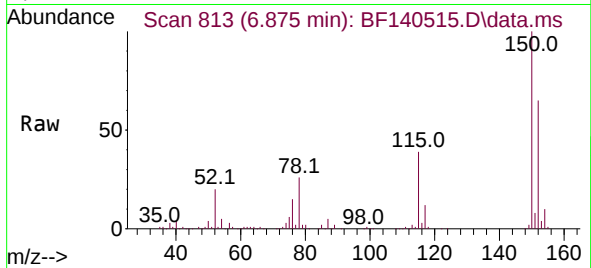
Quant Time: Nov 21 00:09:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

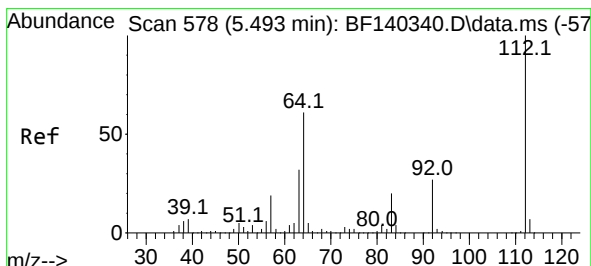
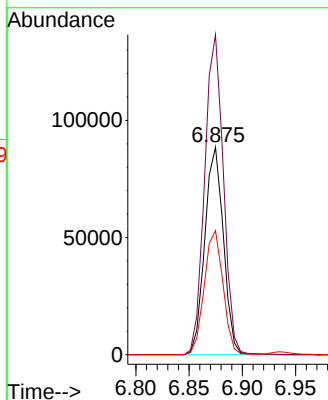
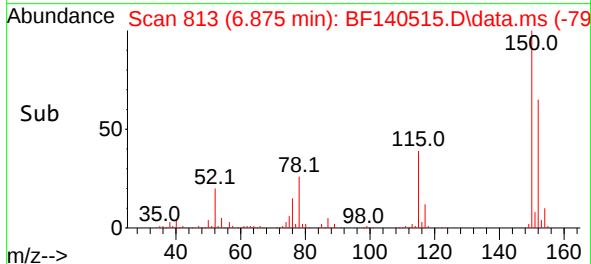
Instrument :
BNA_F
ClientSampleId :
SOIL-6



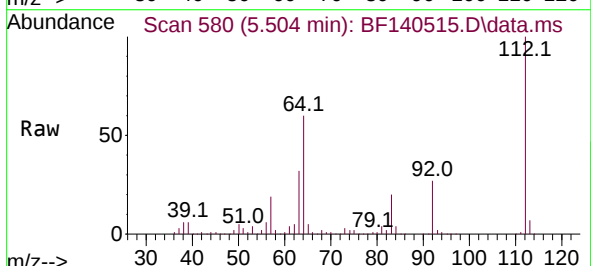
Tgt Ion:152 Resp: 108224
Ion Ratio Lower Upper
152 100
150 154.2 127.4 191.0
115 59.8 47.4 71.2

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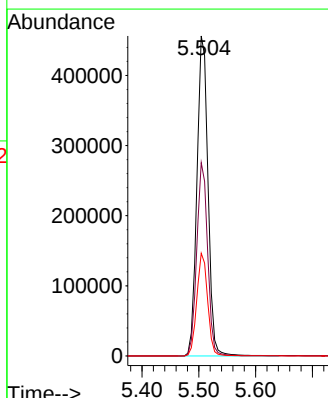
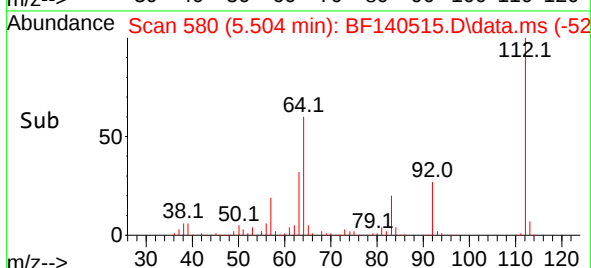
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#5
2-Fluorophenol
Concen: 97.924 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13



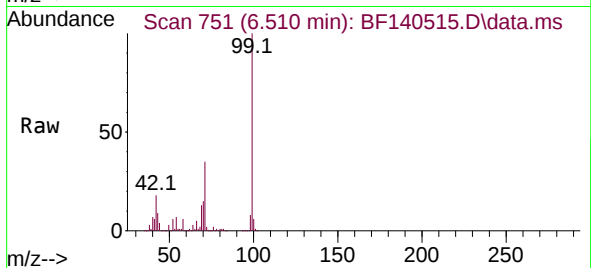
Tgt Ion:112 Resp: 620699
Ion Ratio Lower Upper
112 100
64 60.4 49.2 73.8
63 32.1 25.6 38.4





#7
Phenol-d6
Concen: 88.114 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

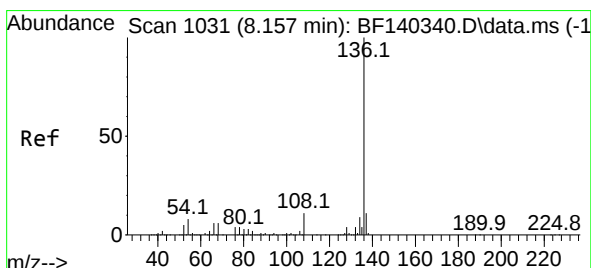
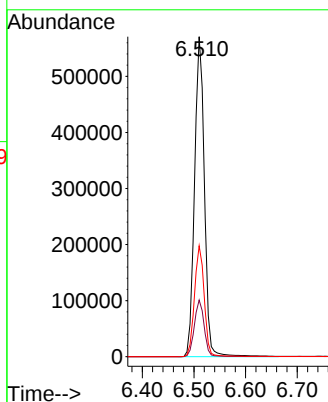
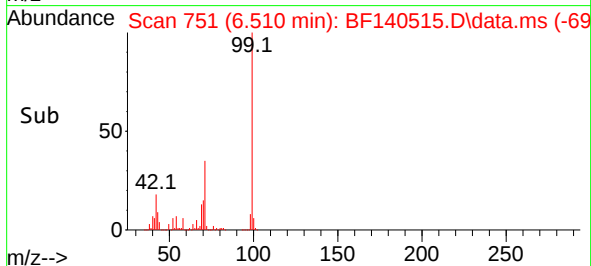
Instrument :
BNA_F
ClientSampleId :
SOIL-6



Tgt Ion: 99 Resp: 75670
Ion Ratio Lower Upper
99 100
42 17.7 15.1 22.7
71 34.7 27.9 41.9

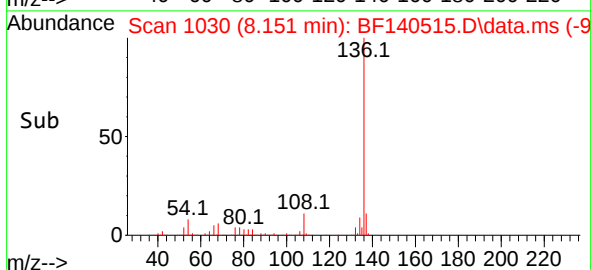
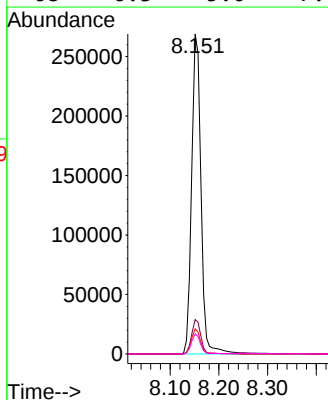
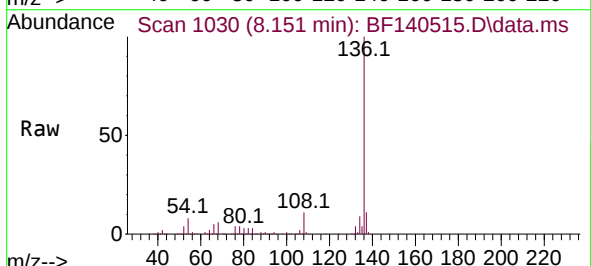
Manual Integrations
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Supervised By :mohammad ahmed 11/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion:136 Resp: 360674
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.8 6.5 9.7
68 6.3 5.0 7.6





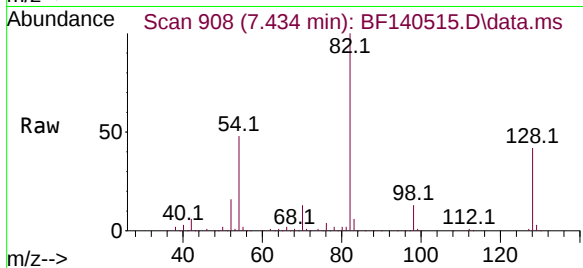
#23
Nitrobenzene-d5
Concen: 69.914 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Instrument :

BNA_F

ClientSampleId :

SOIL-6

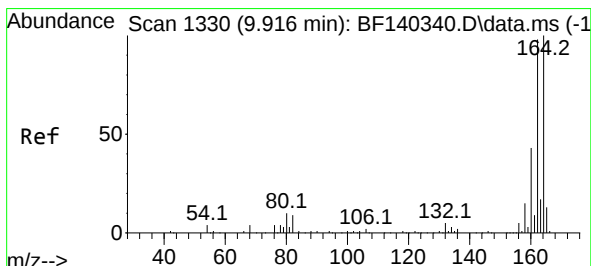
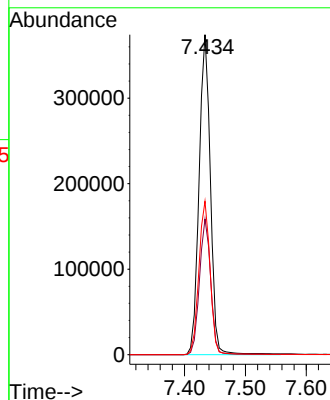
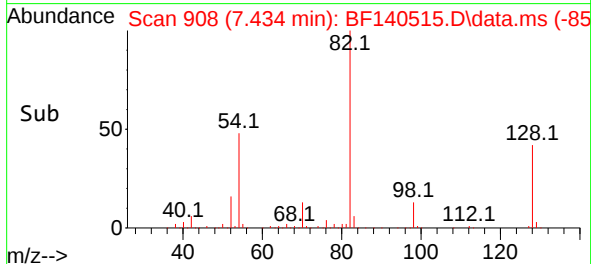


Tgt Ion: 82 Resp: 48397
Ion Ratio Lower Upper
82 100
128 42.4 33.3 49.9
54 47.9 39.8 59.8

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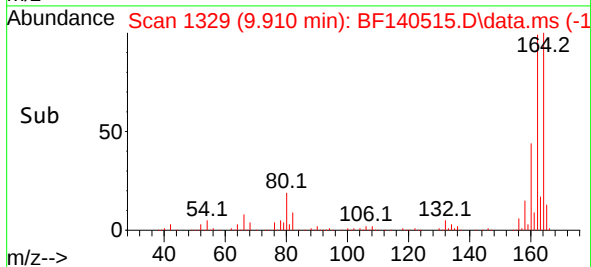
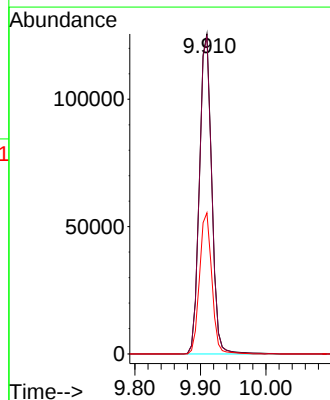
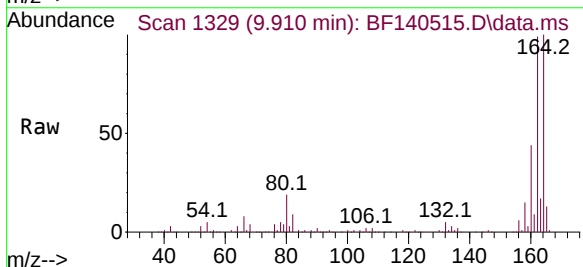
APPROVED

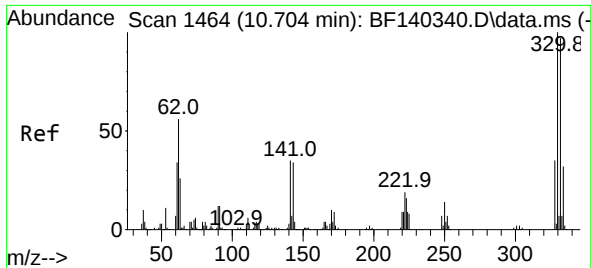
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion:164 Resp: 164153
Ion Ratio Lower Upper
164 100
162 99.2 79.8 119.8
160 44.1 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 97.880 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Instrument :

BNA_F

ClientSampleId :

SOIL-6

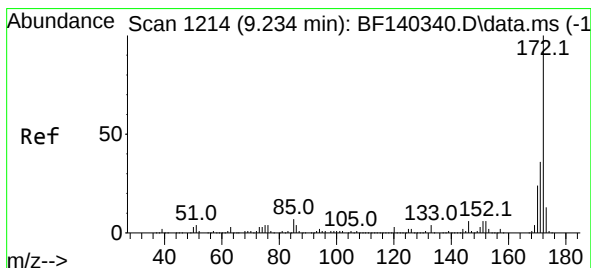
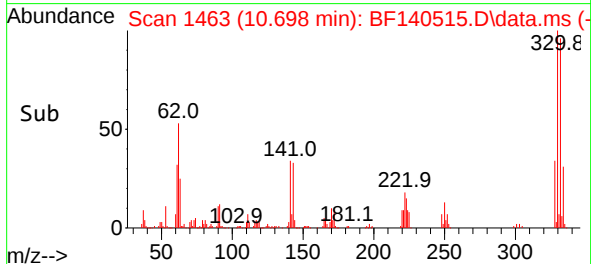
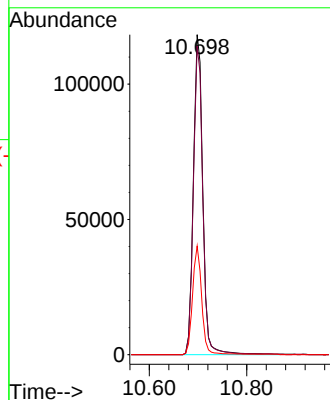
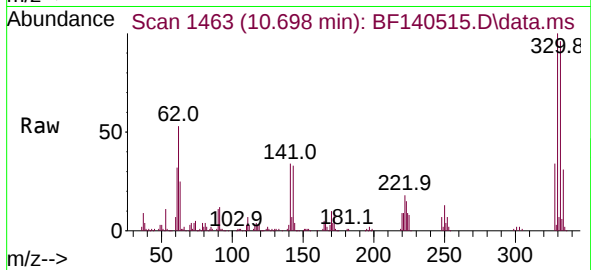
Tgt Ion:330 Resp: 159770
Ion Ratio Lower Upper
330 100
332 96.1 75.9 113.9
141 33.2 26.9 40.3

Manual Integrations

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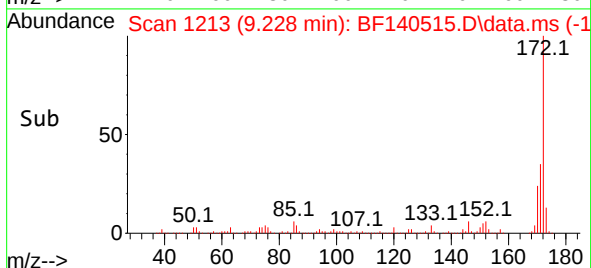
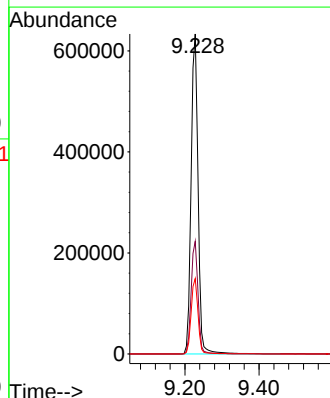
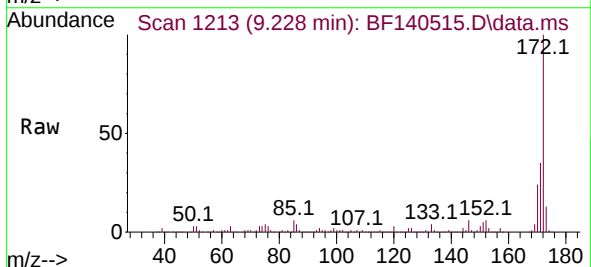
Reviewed By :Yogesh Patel 11/22/2024

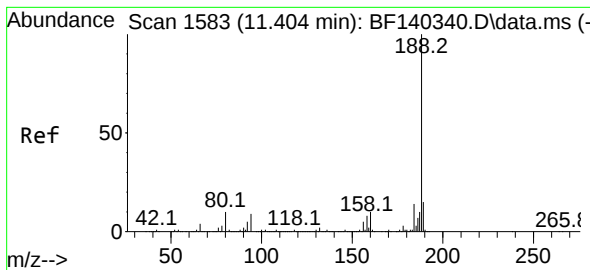
Supervised By :mohammad ahmed 11/22/2024



#45
2-Fluorobiphenyl
Concen: 80.716 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion:172 Resp: 824223
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.5 19.1 28.7





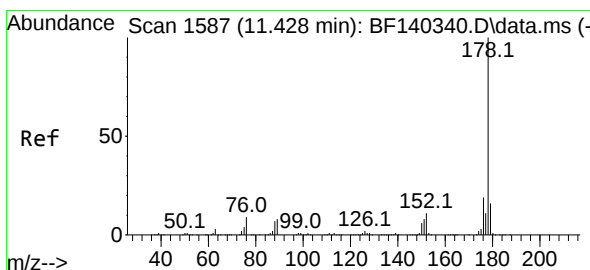
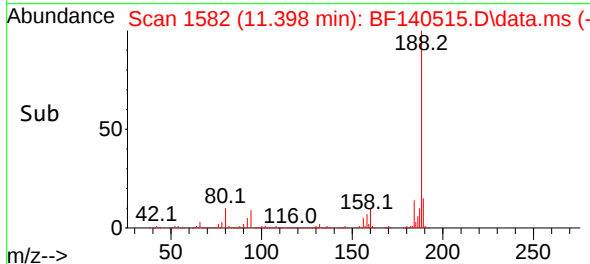
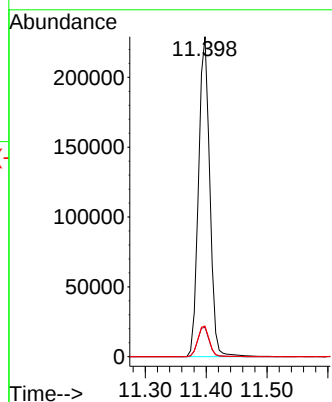
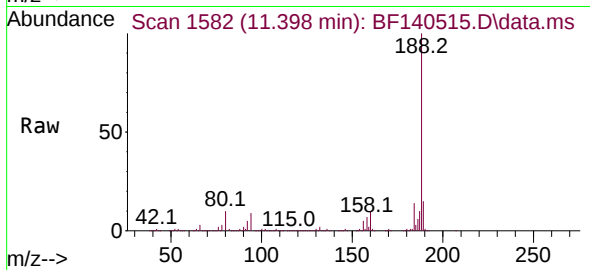
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Instrument :
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ClientSampleId :
SOIL-6

Tgt Ion:188 Resp: 294420
Ion Ratio Lower Upper
188 100
94 9.1 7.6 11.4
80 9.6 8.0 12.0

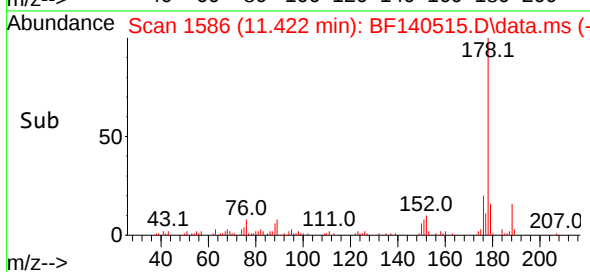
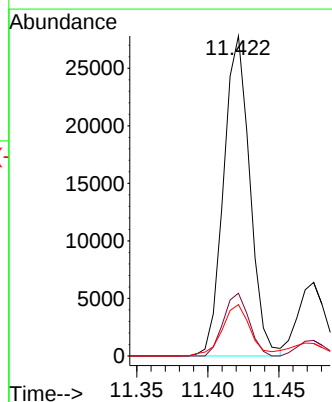
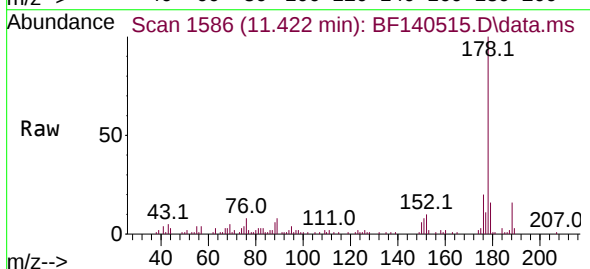
Manual Integrations
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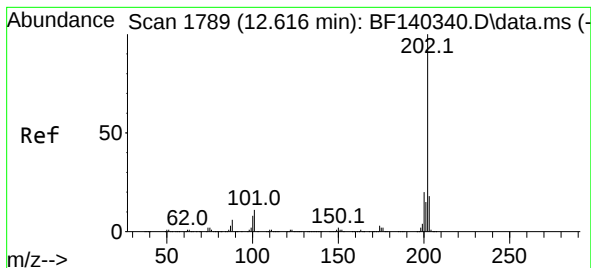
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#71
Phenanthrene
Concen: 2.582 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion:178 Resp: 35711
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 16.1 12.4 18.6





#75

Fluoranthene

Concen: 5.091 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

Instrument :

BNA_F

ClientSampleId :

SOIL-6

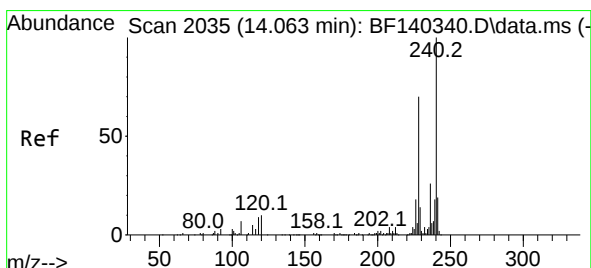
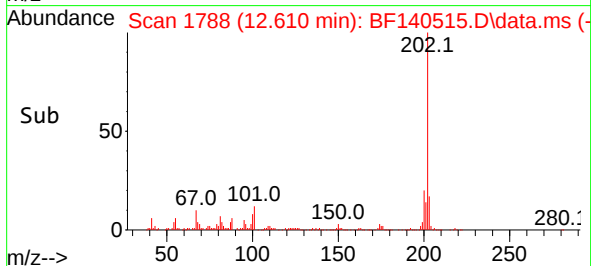
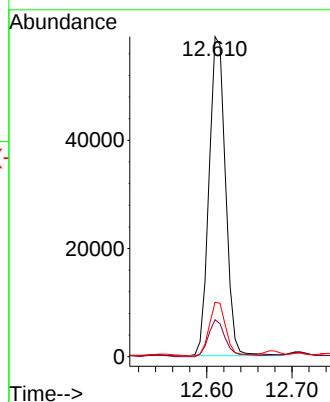
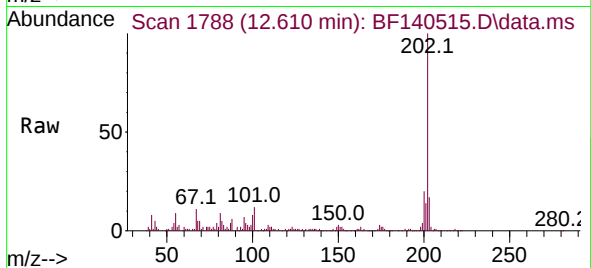
Tgt Ion:202 Resp: 79002
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 30.7
 203 17.0 0.0 37.7

Manual Integrations

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Supervised By :mohammad ahmed 11/22/2024



#76

Chrysene-d12

Concen: 20.000 ng

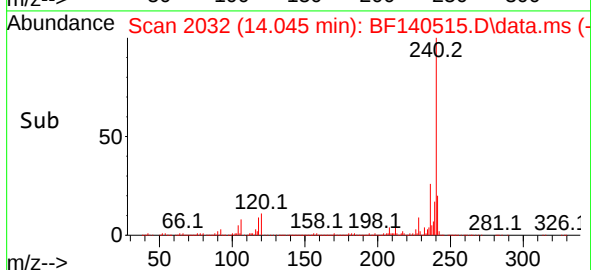
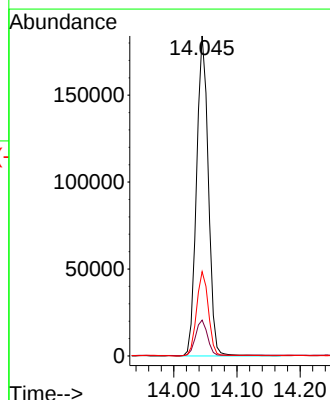
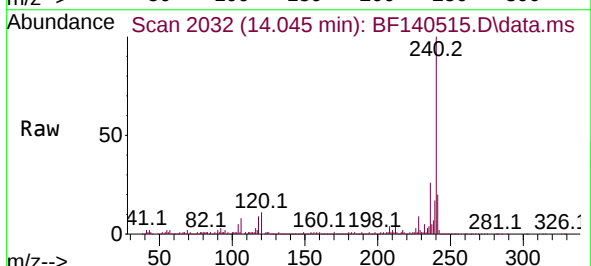
RT: 14.045 min Scan# 2032

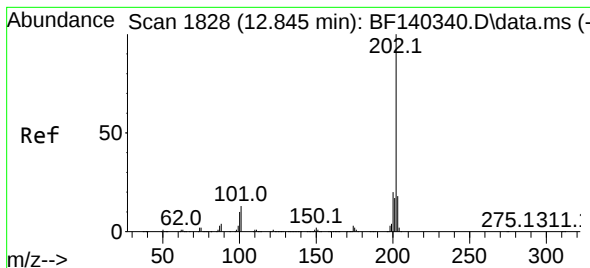
Delta R.T. -0.006 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

Tgt Ion:240 Resp: 239458
 Ion Ratio Lower Upper
 240 100
 120 11.2 8.8 13.2
 236 26.4 20.9 31.3





#78

Pyrene

Concen: 3.479 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

Instrument :

BNA_F

ClientSampleId :

SOIL-6

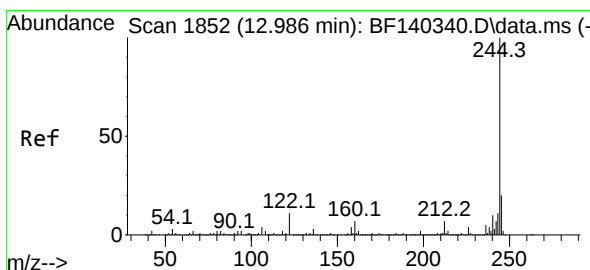
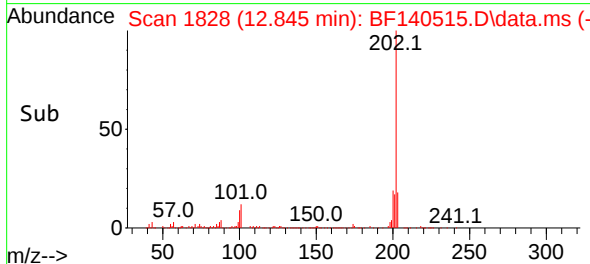
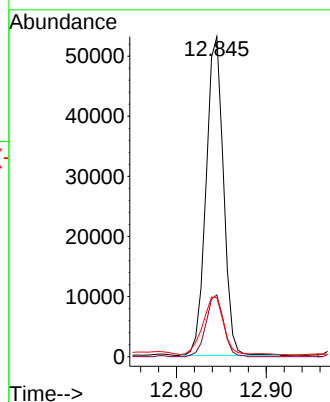
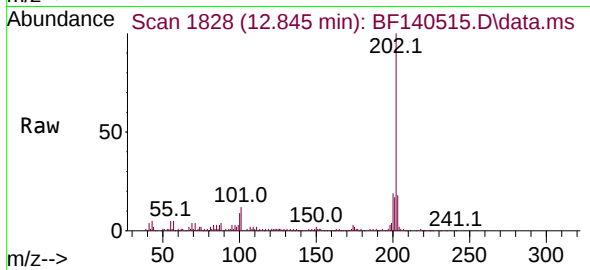
Tgt Ion:	202	Resp:	71264
Ion Ratio	Lower	Upper	
202	100		
200	19.3	16.2	24.2
203	18.5	14.2	21.4

Manual Integrations

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Supervised By :mohammad ahmed 11/22/2024



#79

Terphenyl-d14

Concen: 64.211 ng

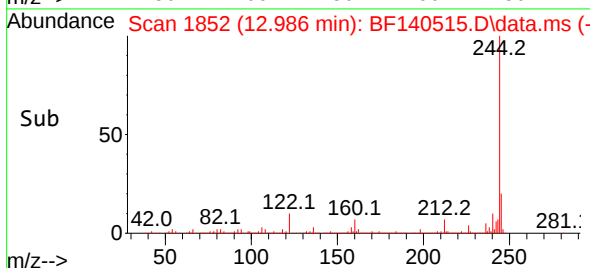
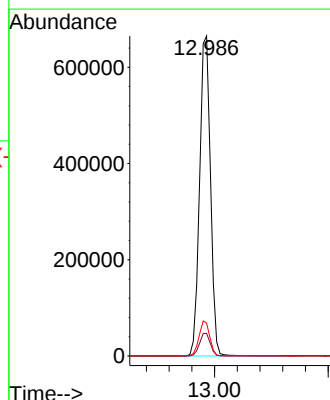
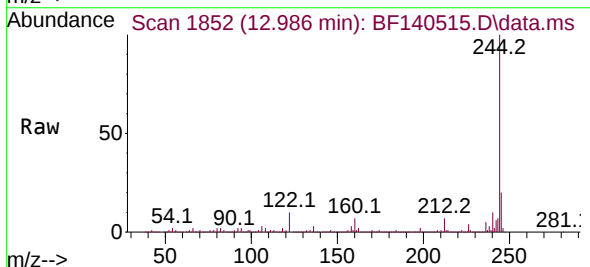
RT: 12.986 min Scan# 1852

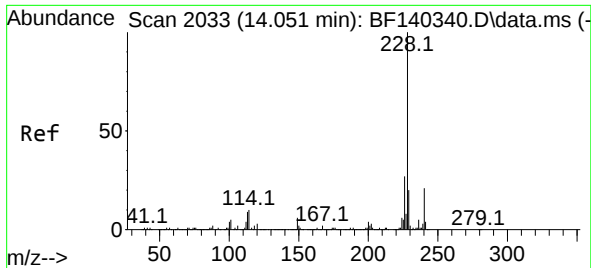
Delta R.T. -0.000 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

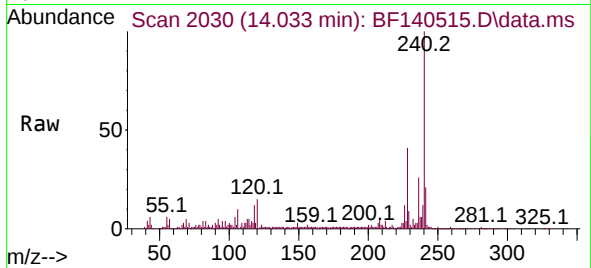
Tgt Ion:	244	Resp:	885815
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	10.3	8.8	13.2





#81
Benzo(a)anthracene
Concen: 2.470 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

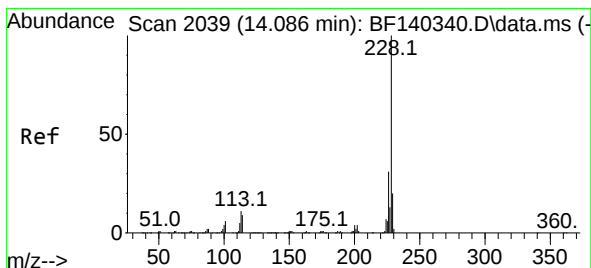
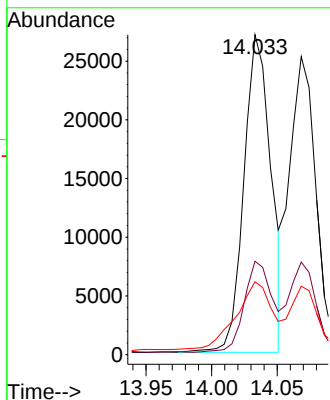
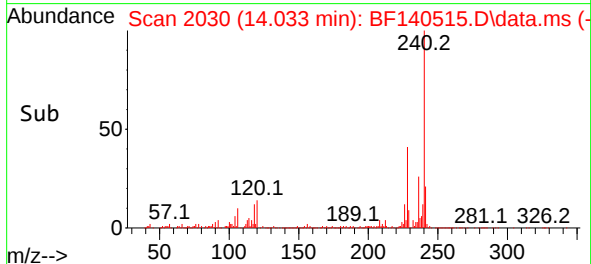
Instrument :
BNA_F
ClientSampleId :
SOIL-6



Tgt Ion:228 Resp: 38870
Ion Ratio Lower Upper
228 100
226 29.2 22.2 33.4
229 22.8 15.8 23.6

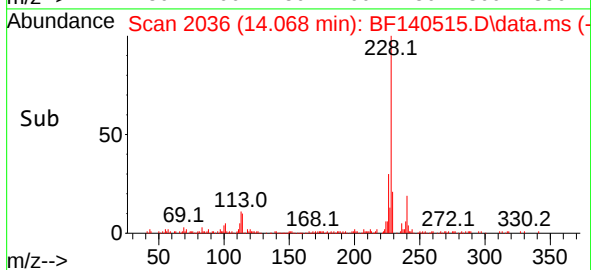
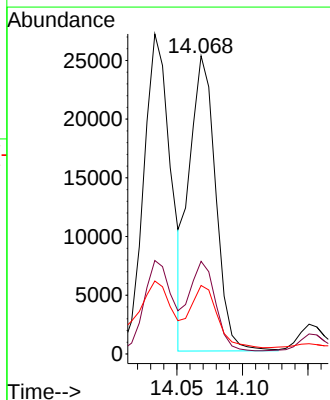
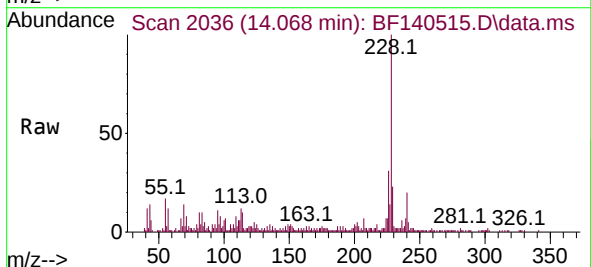
Manual Integrations
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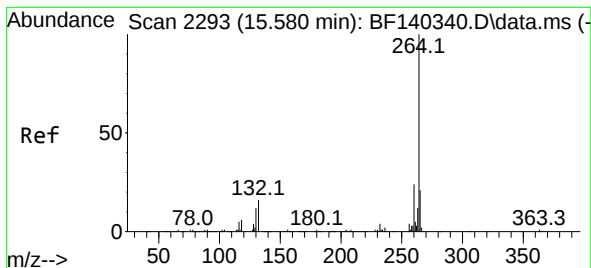
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#83
Chrysene
Concen: 2.449 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion:228 Resp: 35166
Ion Ratio Lower Upper
228 100
226 31.1 24.5 36.7
229 23.0 16.0 24.0





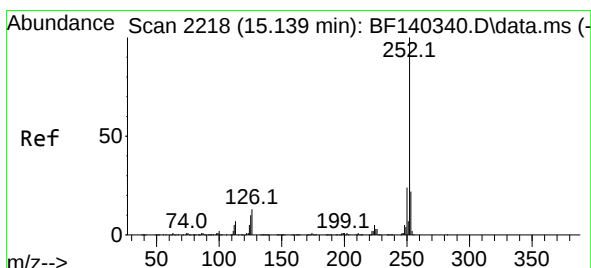
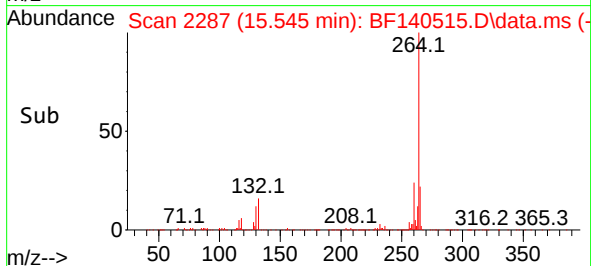
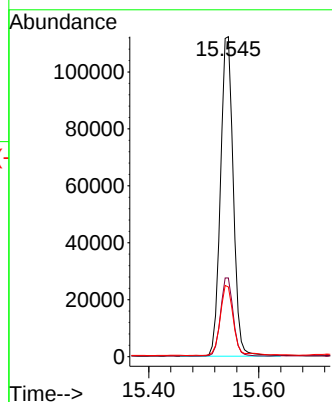
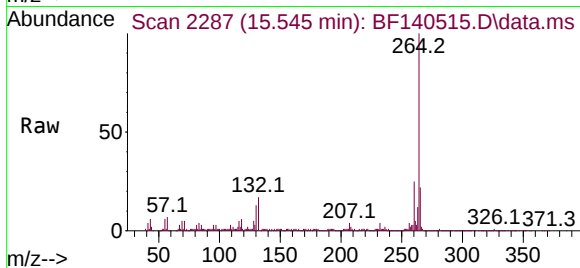
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2112
Delta R.T. -0.012 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Instrument :
BNA_F
ClientSampleId :
SOIL-6

Tgt Ion:264 Resp: 18136
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.8 17.1 25.7

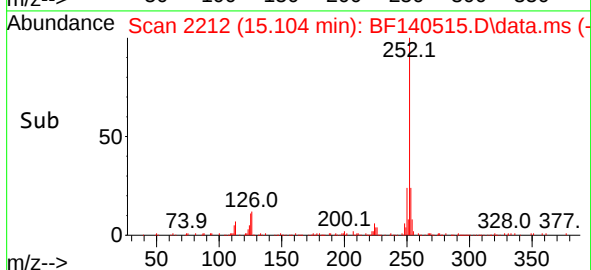
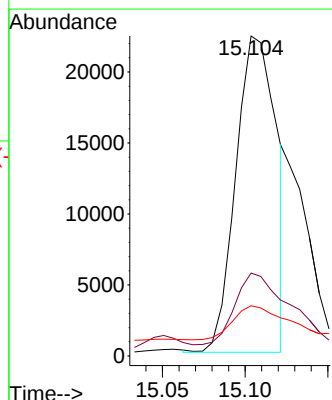
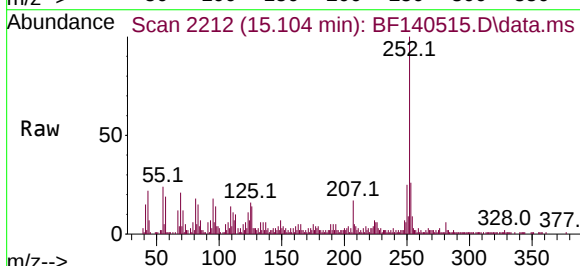
Manual Integrations
APPROVED

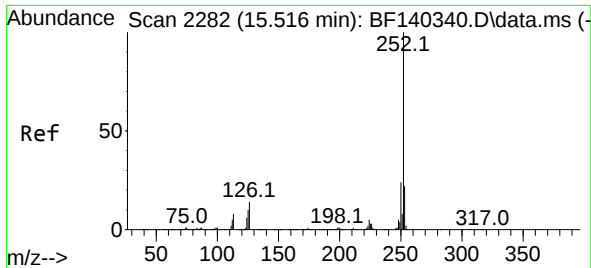
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#88
Benzo(b)fluoranthene
Concen: 3.198 ng m
RT: 15.104 min Scan# 2212
Delta R.T. -0.012 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

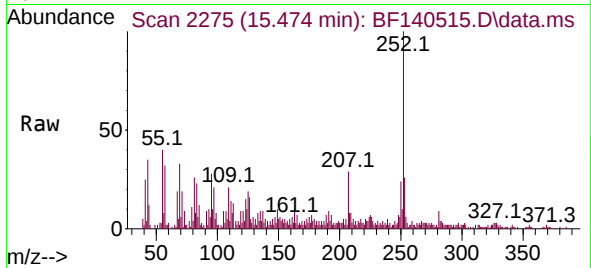
Tgt Ion:252 Resp: 37941
Ion Ratio Lower Upper
252 100
253 25.9 17.5 26.3
125 15.7 8.0 12.0#





#90
Benzo(a)pyrene
Concen: 2.455 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Instrument :
BNA_F
ClientSampleId :
SOIL-6



Tgt Ion:252 Resp: 22614
Ion Ratio Lower Upper
252 100
253 26.1 17.8 26.6
125 19.2 8.4 12.6

Manual Integrations
APPROVED

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

