

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140723.D
 Acq On : 03 Dec 2024 20:36
 Operator : RC/JU
 Sample : P5025-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-WEST

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2024
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 22:16:16 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	65599	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	225151	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	104110	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	160260	20.000	ng	0.00
76) Chrysene-d12	14.051	240	135044	20.000	ng	0.00
86) Perylene-d12	15.562	264	102710	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	330761	86.030	ng	0.00
7) Phenol-d6	6.510	99	465697	91.622	ng	0.00
23) Nitrobenzene-d5	7.434	82	303774	69.012	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	68789	61.779	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	493216	70.585	ng	-0.01
79) Terphenyl-d14	12.980	244	401107	46.250	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	86560	11.236	ng	99
72) Anthracene	11.474	178	23620	3.134	ng	94
75) Fluoranthene	12.616	202	148641	17.771	ng	100
78) Pyrene	12.845	202	134086	10.738	ng	98
81) Benzo(a)anthracene	14.039	228	64845	7.254	ng	# 95
83) Chrysene	14.074	228	56088	6.862	ng	# 96
87) Indeno(1,2,3-cd)pyrene	17.080	276	17239	2.575	ng	96
88) Benzo(b)fluoranthene	15.121	252	53563m	8.303	ng	
89) Benzo(k)fluoranthene	15.139	252	20261m	3.589	ng	
90) Benzo(a)pyrene	15.498	252	36389	6.937	ng	# 84
92) Benzo(g,h,i)perylene	17.545	276	17220	3.078	ng	# 89

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

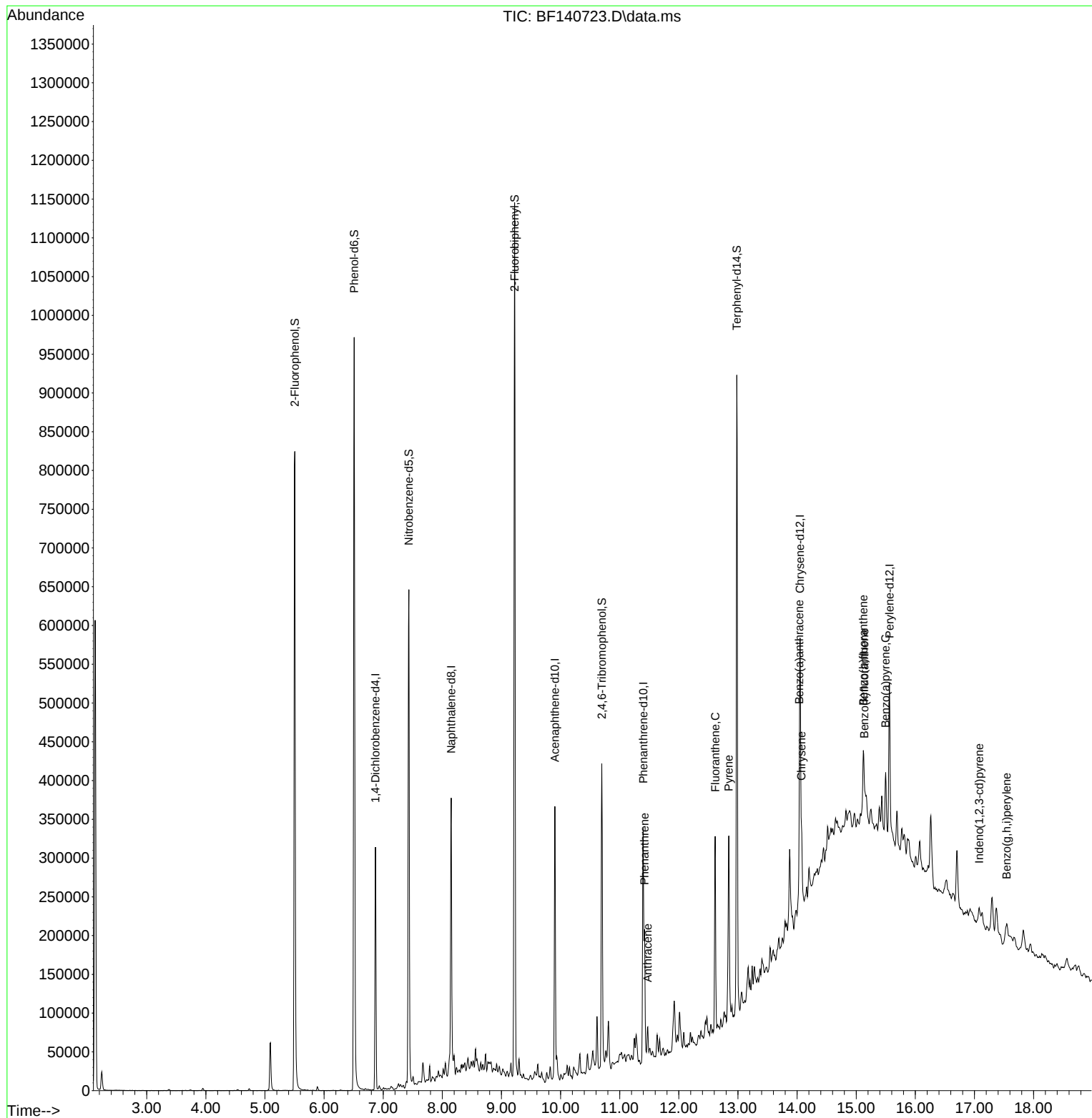
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
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Manual Integrations
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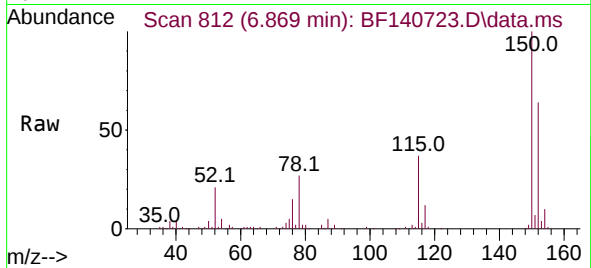
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

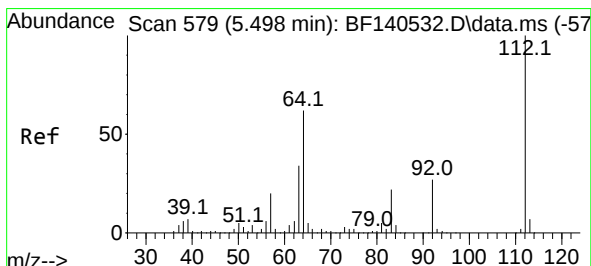
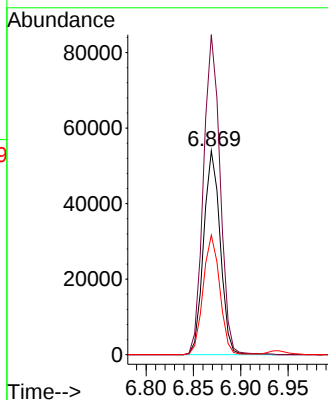
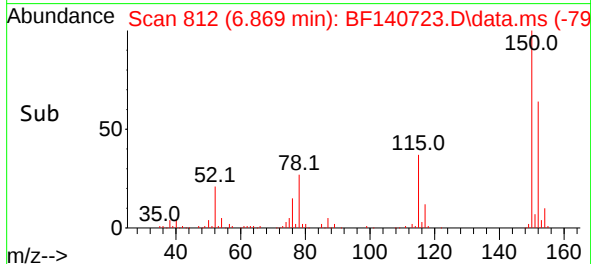
Instrument :
BNA_F
ClientSampleId :
SOIL-WEST



Tgt Ion:152 Resp: 65599
Ion Ratio Lower Upper
152 100
150 157.0 128.5 192.7
115 58.7 50.2 75.4

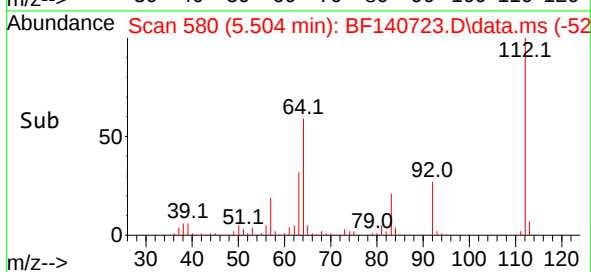
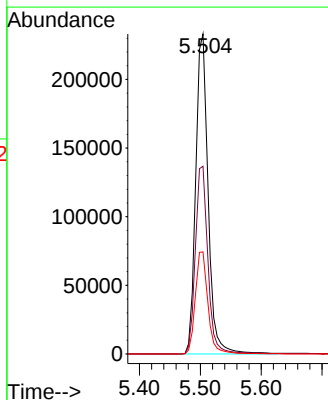
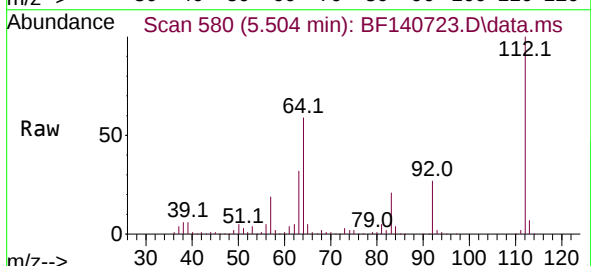
Manual Integrations
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#5
2-Fluorophenol
Concen: 86.030 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

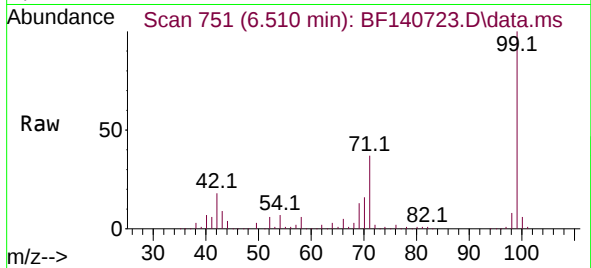
Tgt Ion:112 Resp: 330761
Ion Ratio Lower Upper
112 100
64 58.6 49.2 73.8
63 31.9 27.0 40.4





#7
Phenol-d6
Concen: 91.622 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

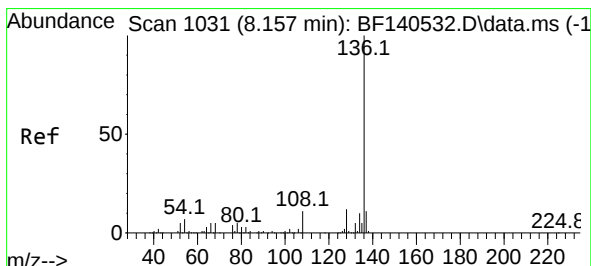
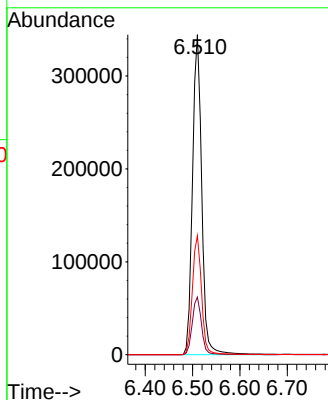
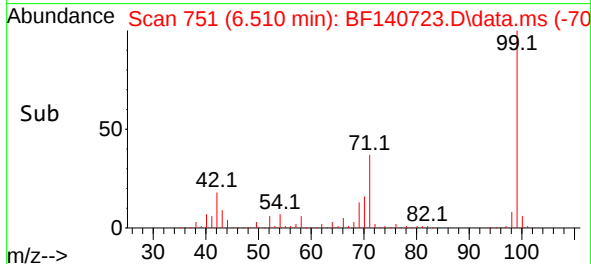
Instrument :
BNA_F
ClientSampleId :
SOIL-WEST



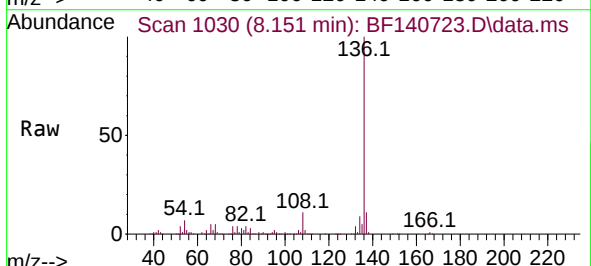
Tgt Ion: 99 Resp: 46569
Ion Ratio Lower Upper
99 100
42 18.0 15.4 23.0
71 37.2 30.6 46.0

Manual Integrations
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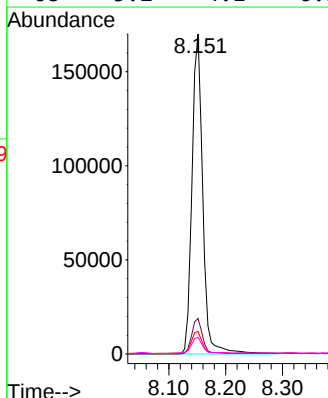
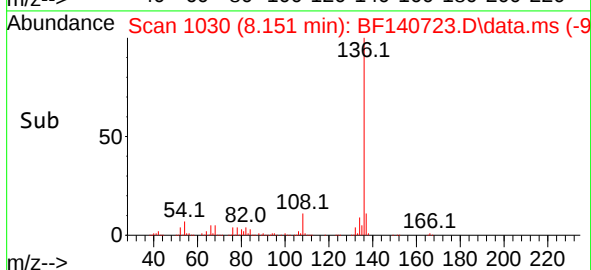
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36



Tgt Ion:136 Resp: 225151
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.0 5.8 8.8
68 5.2 4.1 6.1





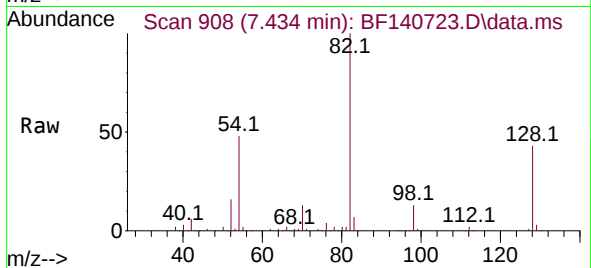
#23
Nitrobenzene-d5
Concen: 69.012 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

SOIL-WEST

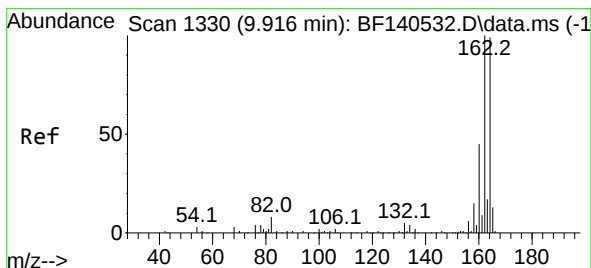
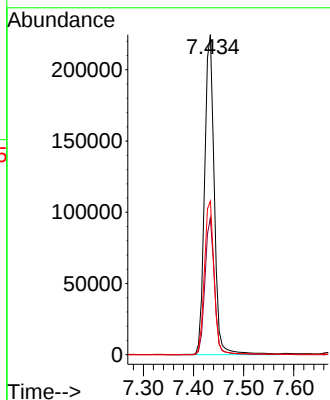
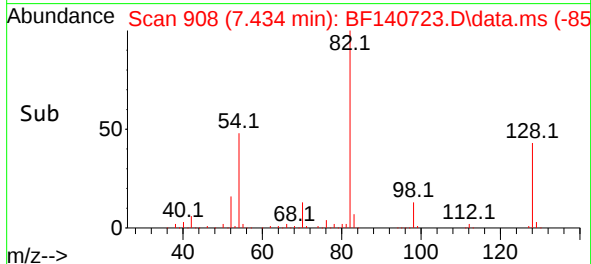


Tgt Ion: 82 Resp: 303774
Ion Ratio Lower Upper
82 100
128 42.7 33.0 49.4
54 48.0 39.5 59.3

Manual Integrations

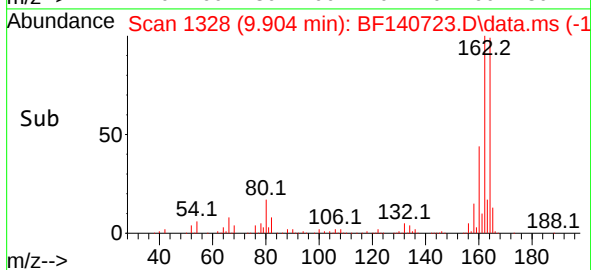
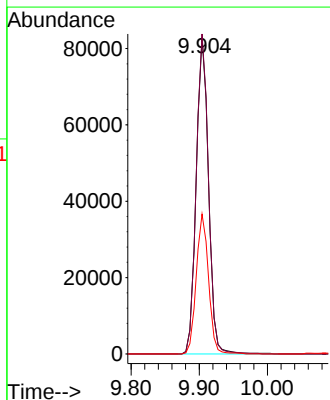
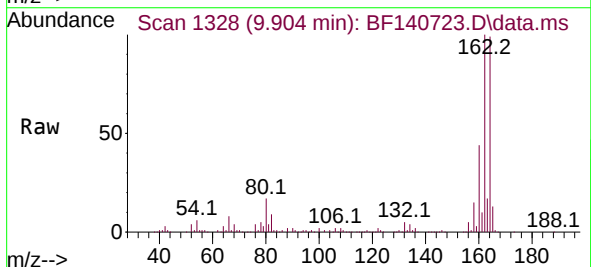
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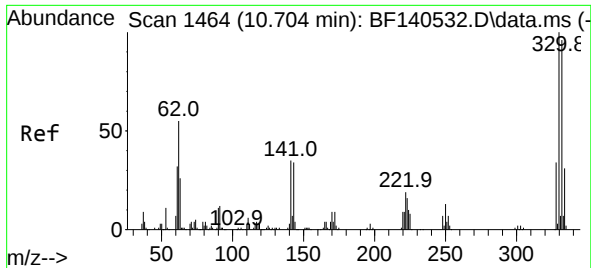
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Tgt Ion:164 Resp: 104110
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 44.2 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 61.779 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

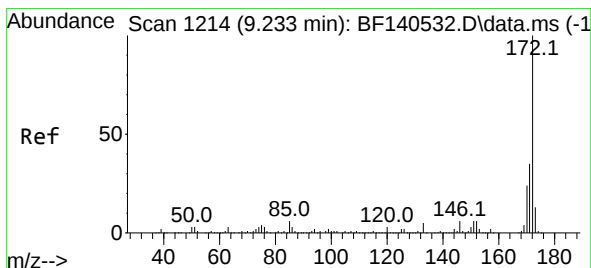
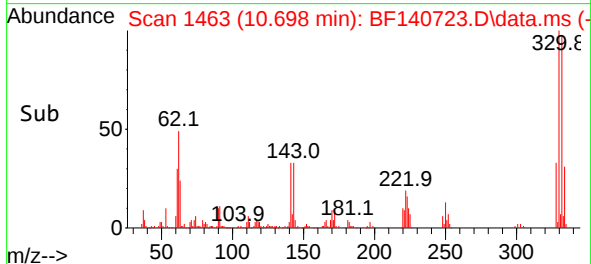
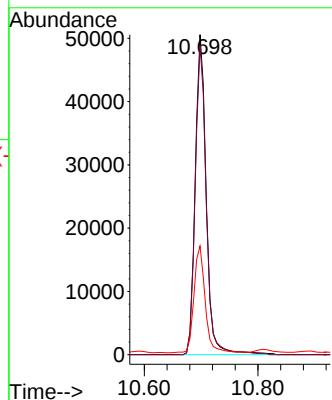
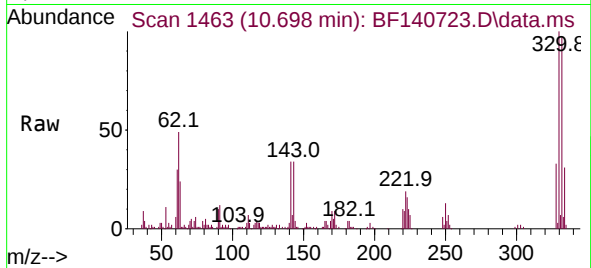
SOIL-WEST

Tgt Ion:330 Resp: 68789
Ion Ratio Lower Upper
330 100
332 96.3 76.9 115.3
141 33.7 26.7 40.1

Manual Integrations

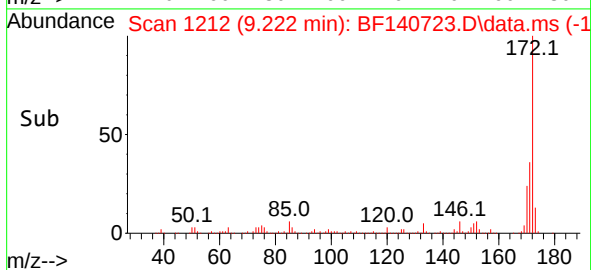
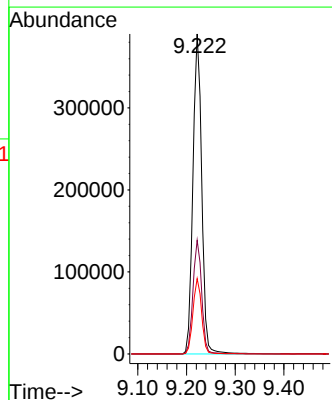
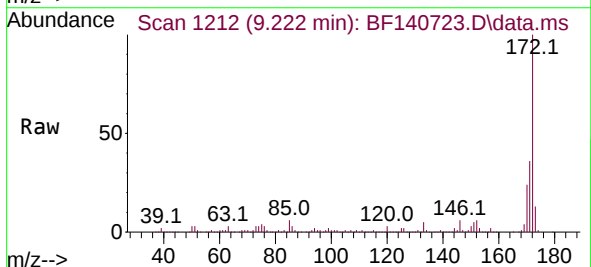
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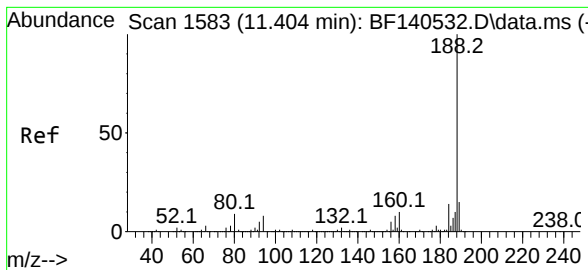
Reviewed By :Jagrut Upadhyay 12/04/2024
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#45
2-Fluorobiphenyl
Concen: 70.585 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

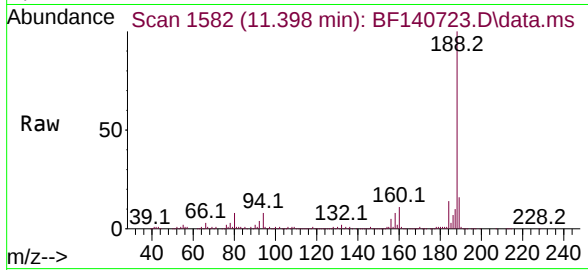
Tgt Ion:172 Resp: 493216
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.5 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

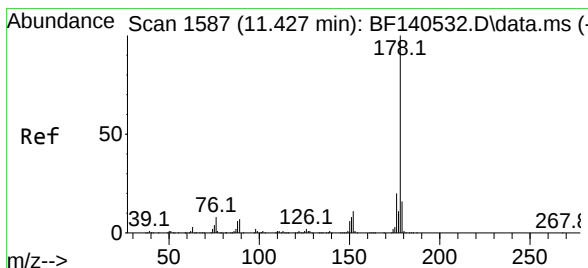
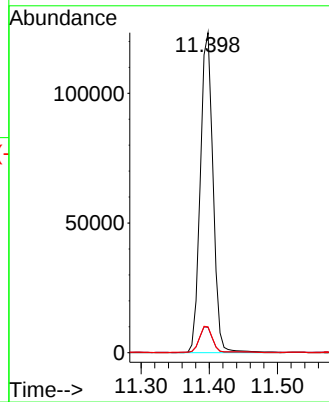
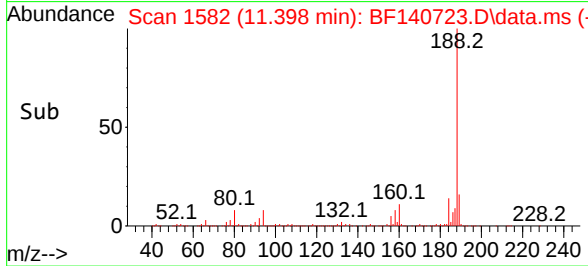
Instrument :
BNA_F
ClientSampleId :
SOIL-WEST



Tgt Ion:188 Resp: 160260
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 8.1 6.9 10.3

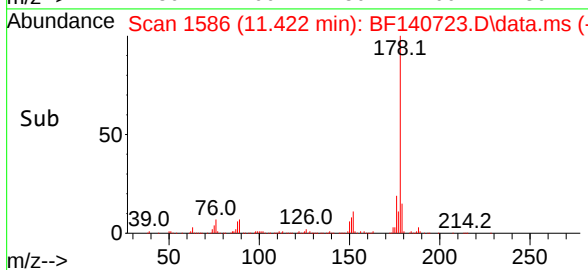
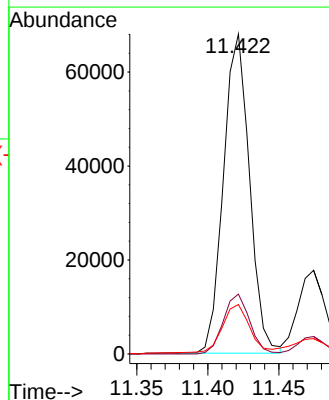
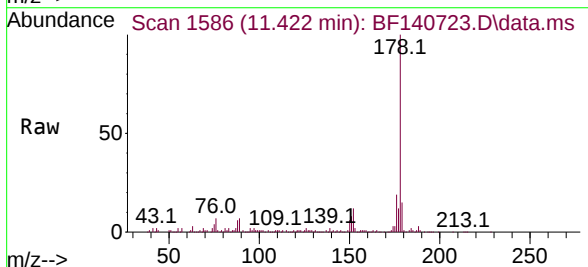
Manual Integrations
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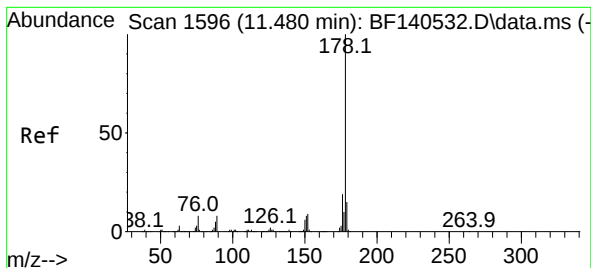
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#71
Phenanthrene
Concen: 11.236 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Tgt Ion:178 Resp: 86560
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.4 12.4 18.6





#72

Anthracene

Concen: 3.134 ng

RT: 11.474 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

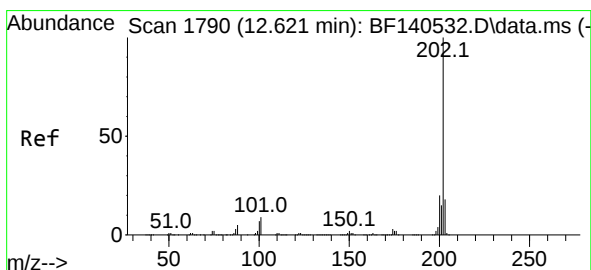
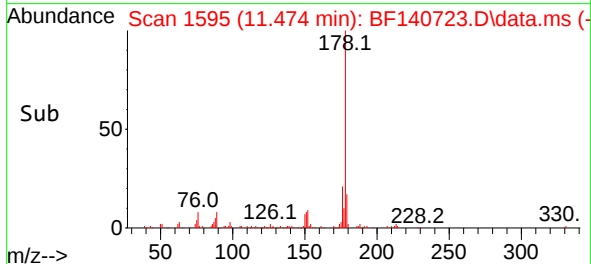
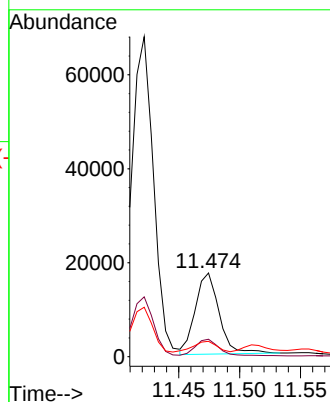
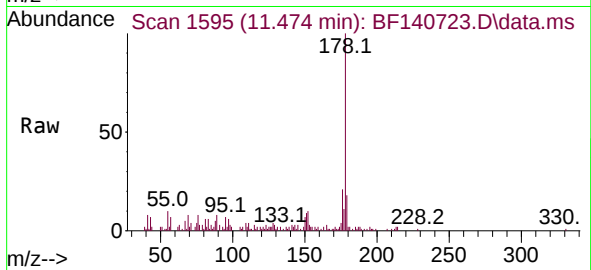
SOIL-WEST

Tgt Ion:178	Resp:	23620
Ion Ratio	Lower	Upper
178	100	
176	20.9	15.0 22.4
179	18.4	12.2 18.4

Manual Integrations

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Supervised By :mohammad ahmed 12/05/2024



#75

Fluoranthene

Concen: 17.771 ng

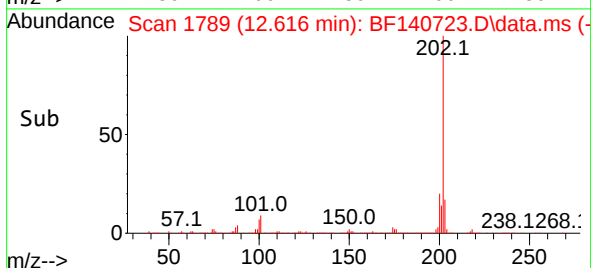
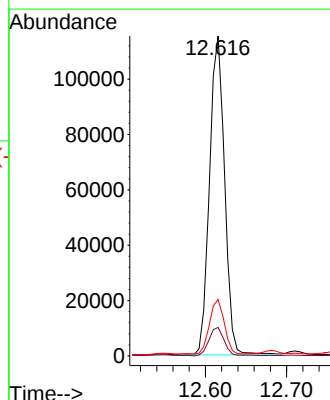
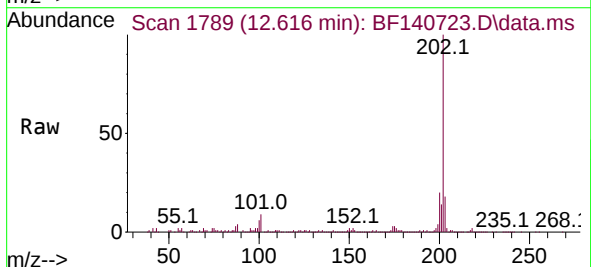
RT: 12.616 min Scan# 1789

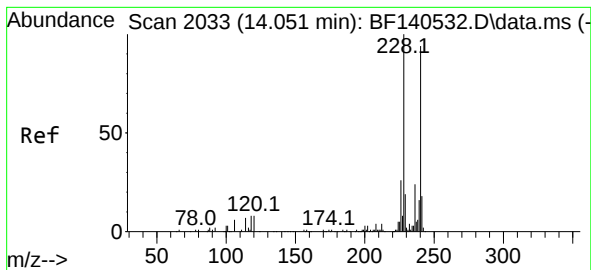
Delta R.T. -0.006 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

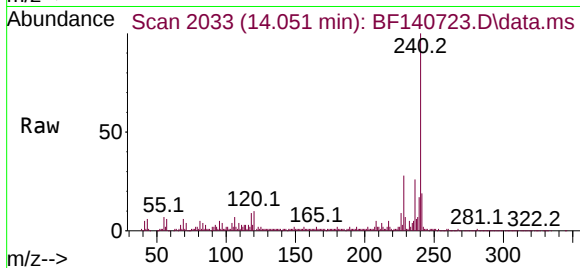
Tgt Ion:202	Resp:	148641
Ion Ratio	Lower	Upper
202	100	
101	8.9	0.0 28.9
203	17.7	0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

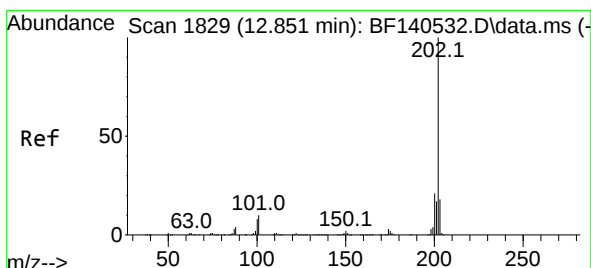
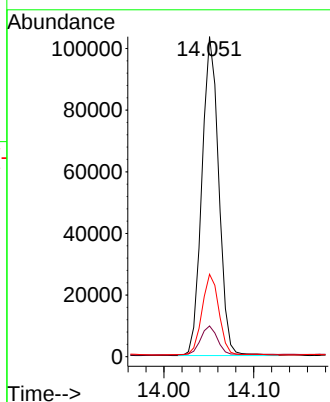
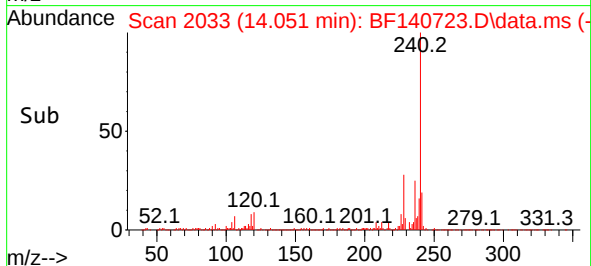
Instrument :
BNA_F
ClientSampleId :
SOIL-WEST



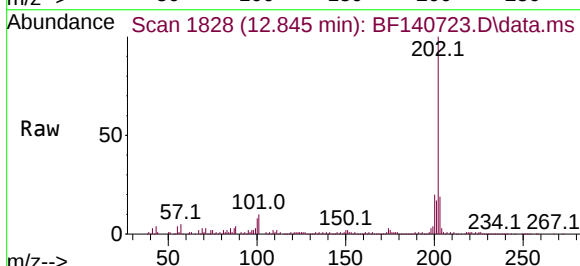
Tgt Ion:240 Resp: 135044
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 25.7 20.6 31.0

Manual Integrations
APPROVED

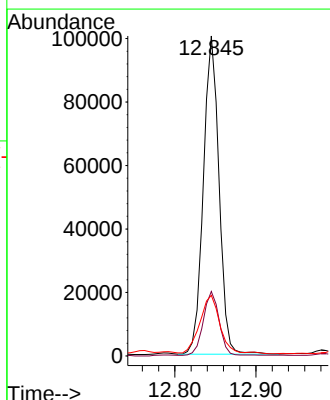
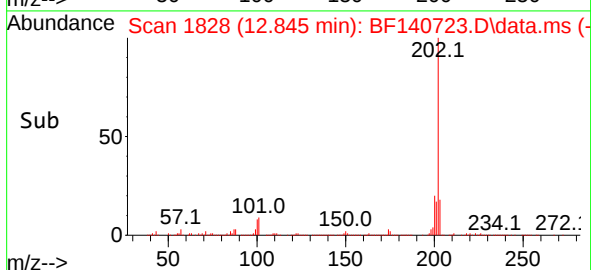
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024

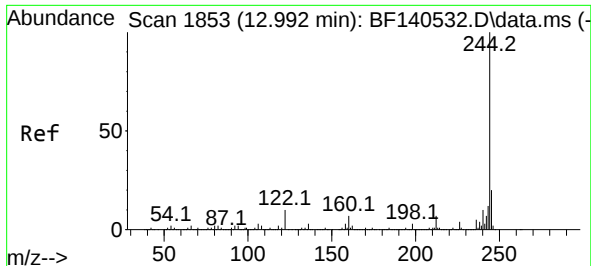


#78
Pyrene
Concen: 10.738 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36



Tgt Ion:202 Resp: 134086
Ion Ratio Lower Upper
202 100
200 20.2 16.5 24.7
203 19.0 14.2 21.4





#79
Terphenyl-d14
Concen: 46.250 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

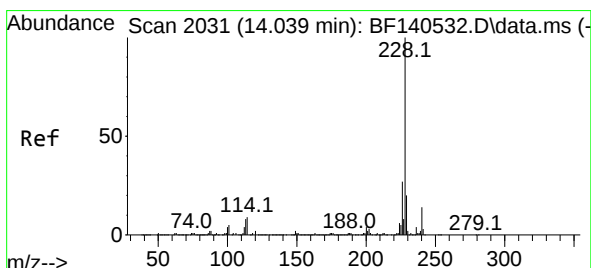
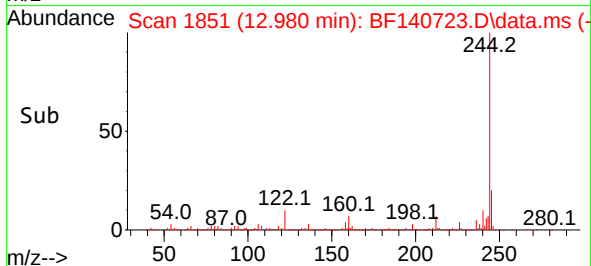
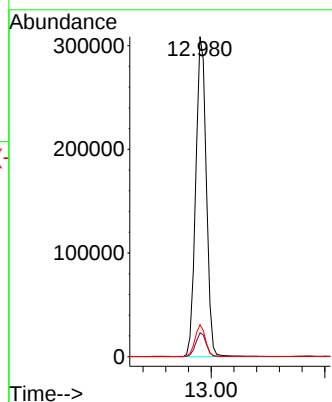
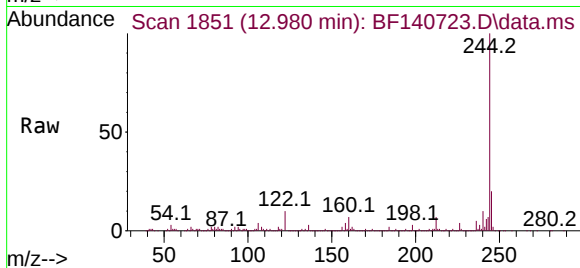
SOIL-WEST

Tgt Ion:244 Resp: 40110
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.8
122 10.0 8.0 12.0

Manual Integrations

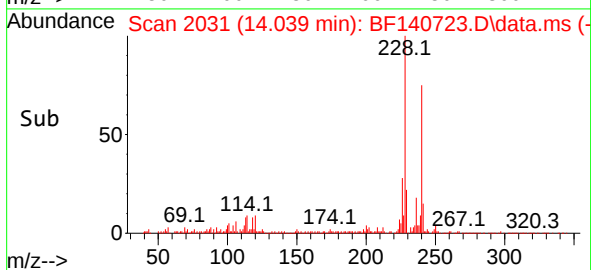
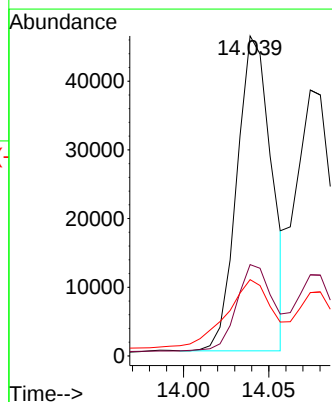
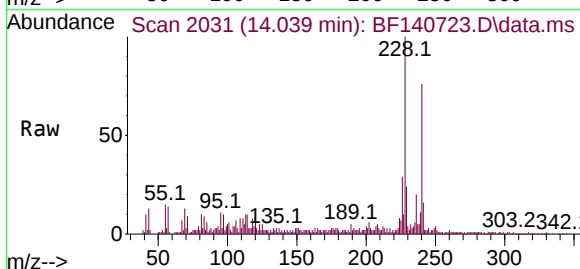
APPROVED

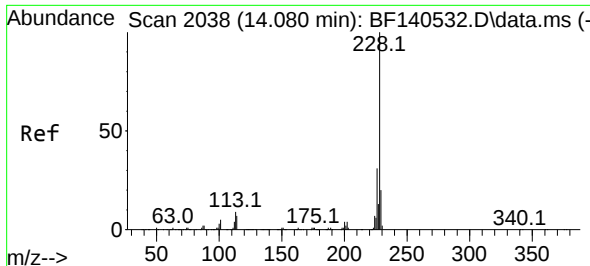
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#81
Benzo(a)anthracene
Concen: 7.254 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Tgt Ion:228 Resp: 64845
Ion Ratio Lower Upper
228 100
226 28.5 21.8 32.8
229 23.9 15.8 23.6#





#83
Chrysene
Concen: 6.862 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

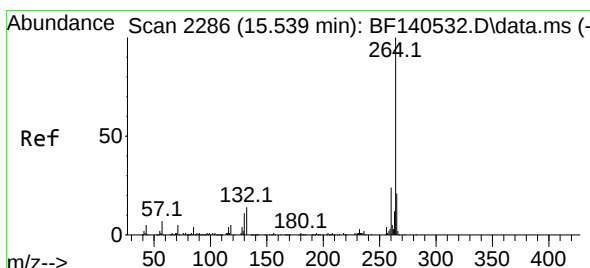
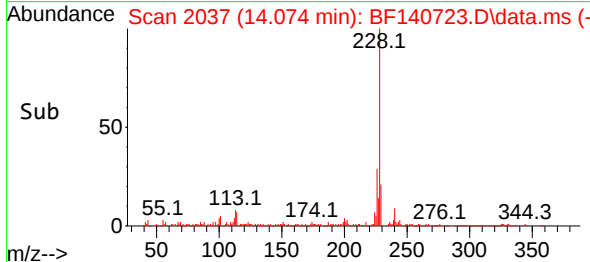
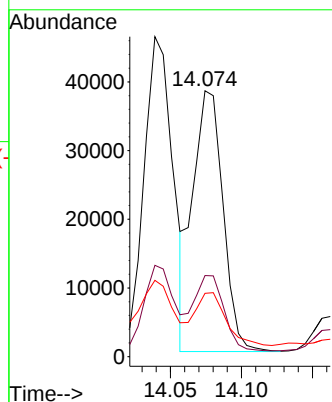
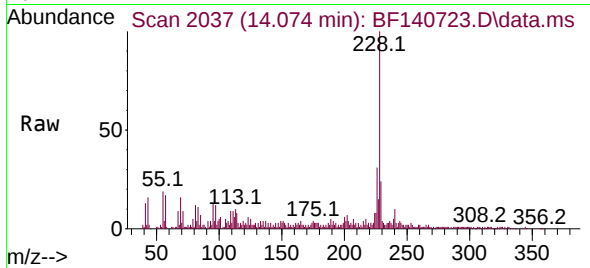
SOIL-WEST

Tgt Ion:228 Resp: 5608
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 23.9 15.8 23.6

Manual Integrations

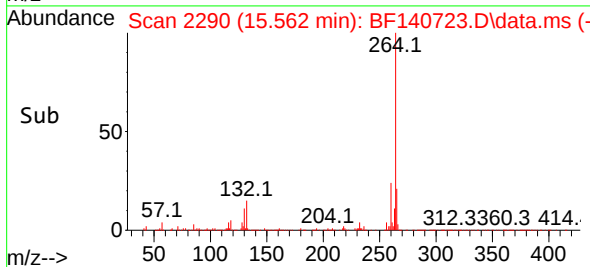
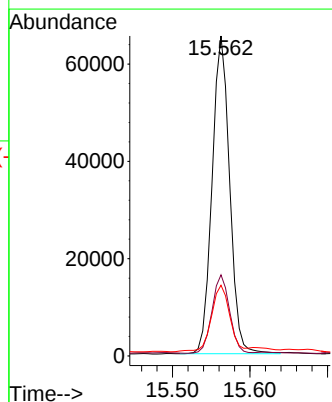
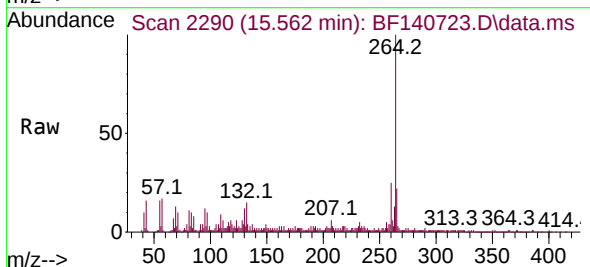
APPROVED

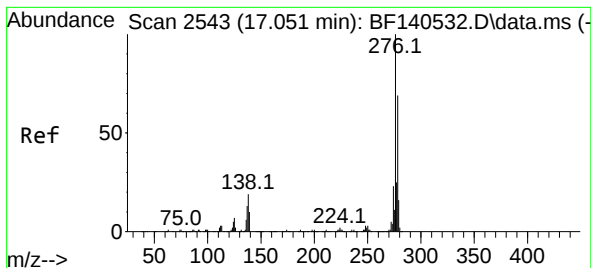
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2290
Delta R.T. 0.024 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Tgt Ion:264 Resp: 102710
Ion Ratio Lower Upper
264 100
260 25.3 19.0 28.6
265 22.1 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.575 ng

RT: 17.080 min Scan# 2115

Delta R.T. 0.029 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

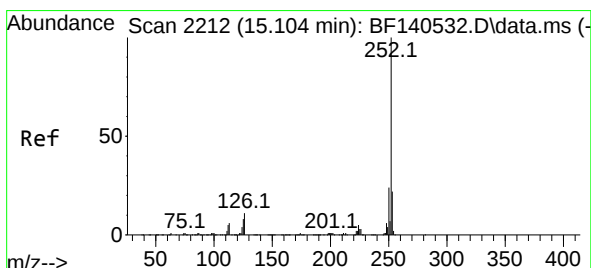
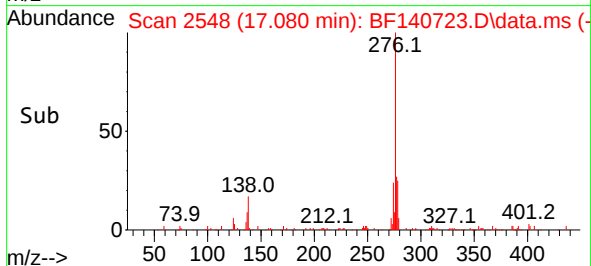
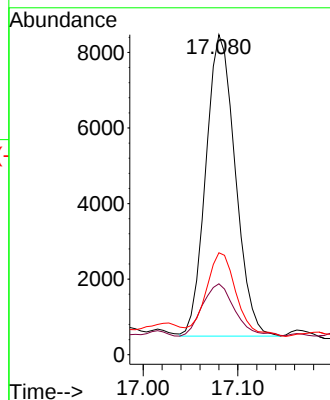
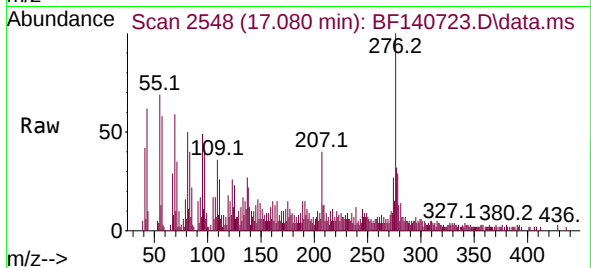
SOIL-WEST

Tgt Ion:	276	Resp:	17239
Ion Ratio	Lower	Upper	
276	100		
138	19.1	15.5	23.3
277	28.5	20.1	30.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#88

Benzo(b)fluoranthene

Concen: 8.303 ng m

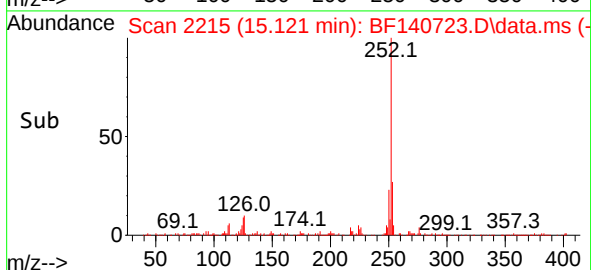
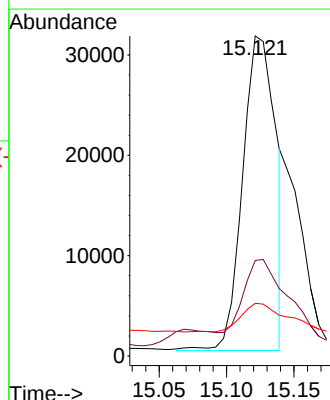
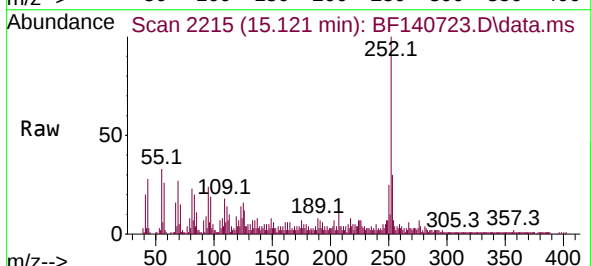
RT: 15.121 min Scan# 2215

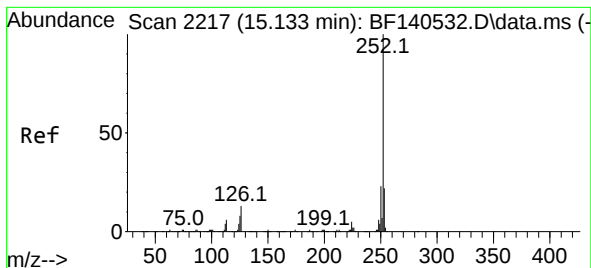
Delta R.T. 0.018 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

Tgt Ion:	252	Resp:	53563
Ion Ratio	Lower	Upper	
252	100		
253	29.9	17.2	25.8#
125	16.4	6.7	10.1#





#89

Benzo(k)fluoranthene

Concen: 3.589 ng m

RT: 15.139 min Scan# 2217

Delta R.T. 0.006 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

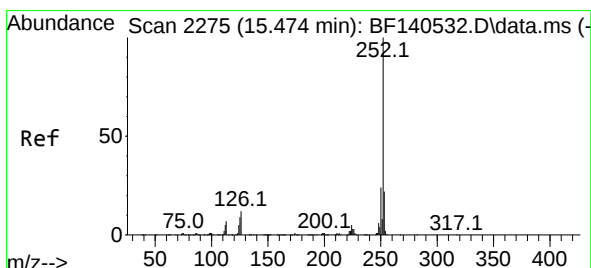
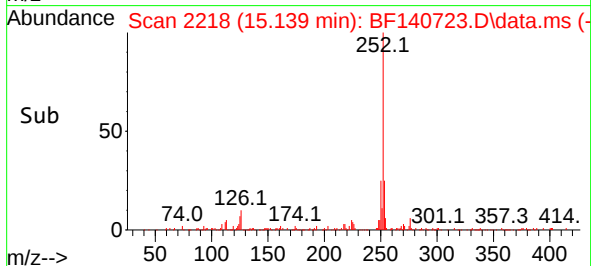
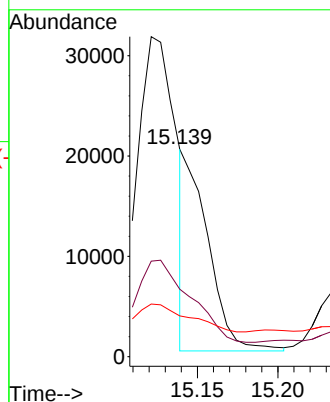
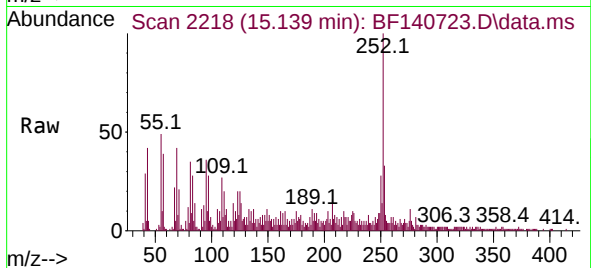
SOIL-WEST

Tgt Ion:	252	Resp:	2026
Ion Ratio	Lower	Upper	
252	100		
253	32.5	17.5	26.3
125	19.7	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#90

Benzo(a)pyrene

Concen: 6.937 ng

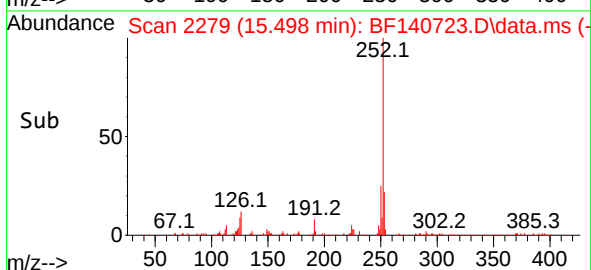
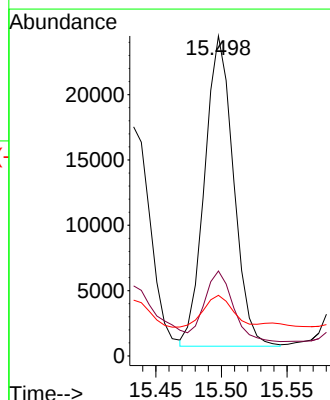
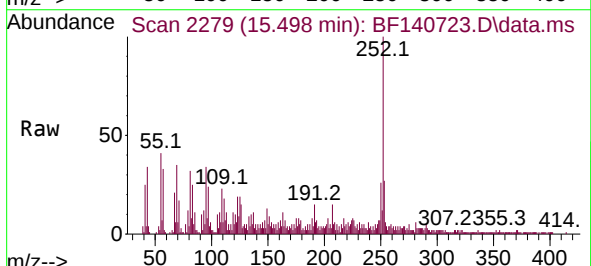
RT: 15.498 min Scan# 2279

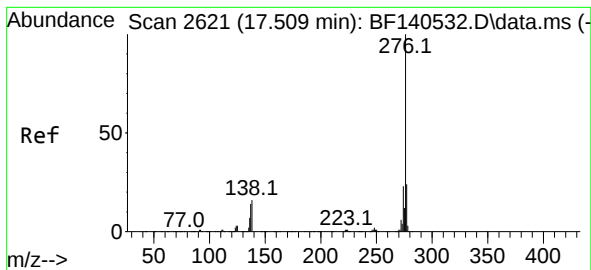
Delta R.T. 0.023 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

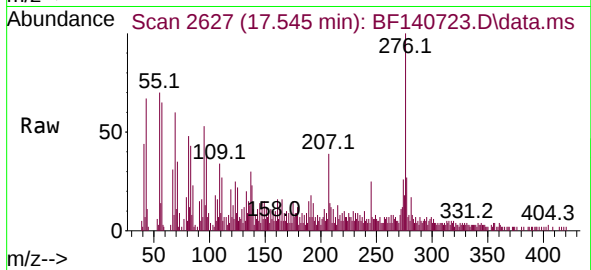
Tgt Ion:	252	Resp:	36389
Ion Ratio	Lower	Upper	
252	100		
253	26.6	17.3	25.9
125	19.0	7.0	10.6





#92
Benzo(g,h,i)perylene
Concen: 3.078 ng
RT: 17.545 min Scan# 20
Delta R.T. 0.035 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Instrument :
BNA_F
ClientSampleId :
SOIL-WEST



Tgt Ion:276 Resp: 17220
Ion Ratio Lower Upper
276 100
277 27.4 18.9 28.3
138 23.3 13.2 19.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024

