

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
 Data File : BF140624.D
 Acq On : 26 Nov 2024 00:40
 Operator : RC/JU
 Sample : P4954-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-112124

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 26 02:01:36 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	60804	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	207855	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	97380	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	161741	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	92507	20.000	ng	0.00
86) Perylene-d12	15.539	264	79717	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	411116	115.362	ng	0.00
7) Phenol-d6	6.504	99	533027	113.139	ng	-0.01
23) Nitrobenzene-d5	7.433	82	343712	84.583	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	107775	103.482	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	558865	85.508	ng	0.00
79) Terphenyl-d14	12.986	244	462240	77.807	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.175	128	74812	6.988	ng	# 74
37) 2-Methylnaphthalene	8.869	142	107487	15.806	ng	99
38) 1-Methylnaphthalene	8.969	142	66620	9.995	ng	89
46) 1,1'-Biphenyl	9.327	154	46908	6.452	ng	97
71) Phenanthrene	11.427	178	121369	15.611	ng	96
72) Anthracene	11.474	178	25479m	3.350	ng	
75) Fluoranthene	12.616	202	190138	22.525	ng	99
78) Pyrene	12.845	202	166421	19.457	ng	99
81) Benzo(a)anthracene	14.033	228	68479	11.183	ng	# 93
83) Chrysene	14.068	228	61327	10.953	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.045	276	22673	4.364	ng	95
88) Benzo(b)fluoranthene	15.104	252	61211m	12.225	ng	
89) Benzo(k)fluoranthene	15.115	252	26558m	6.061	ng	
90) Benzo(a)pyrene	15.474	252	43501	10.685	ng	# 90
92) Benzo(g,h,i)perylene	17.498	276	20728	4.774	ng	# 92

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

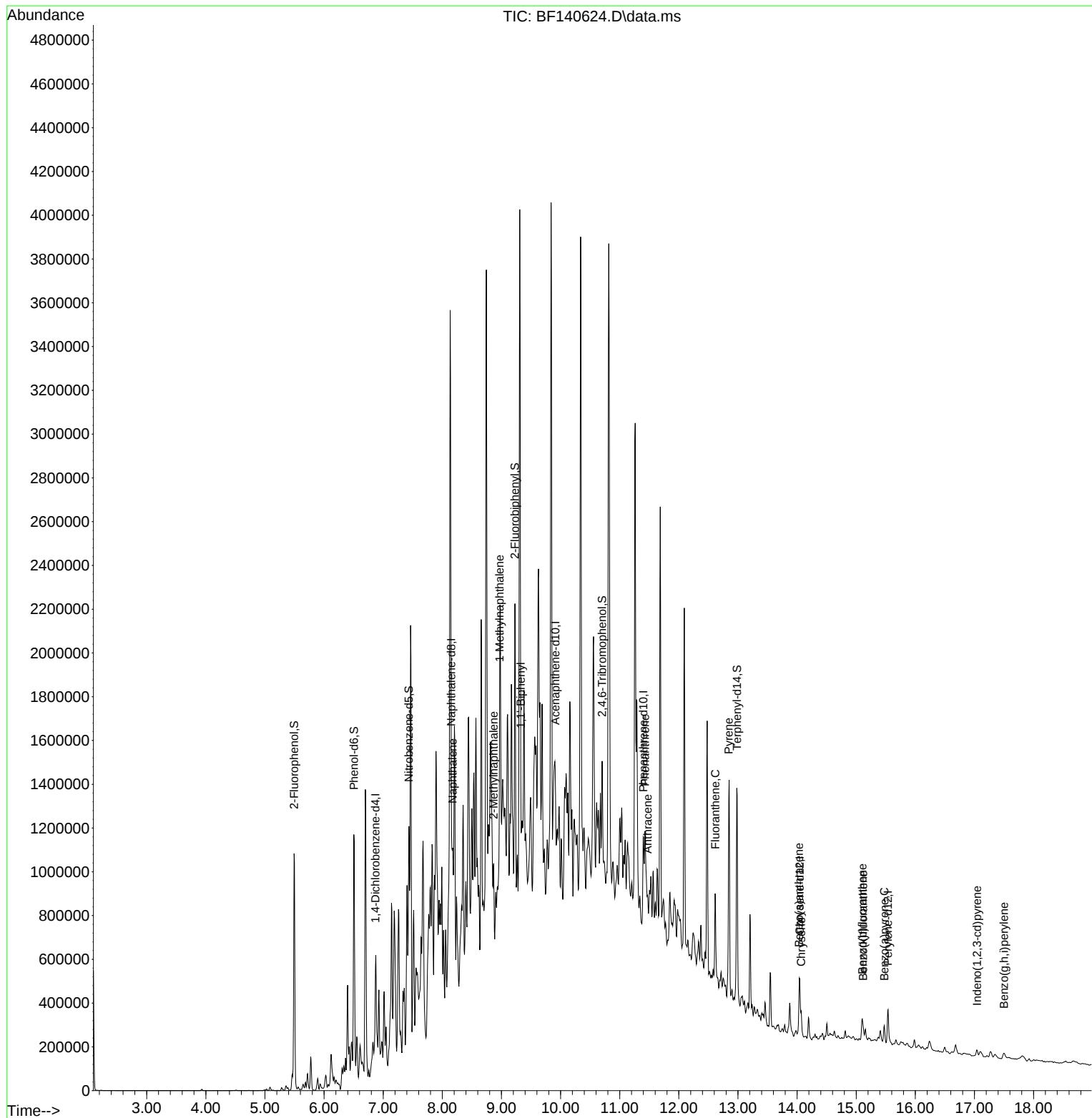
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Data File : BF140624.D
Acq On : 26 Nov 2024 00:40
Operator : RC/JU
Sample : P4954-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

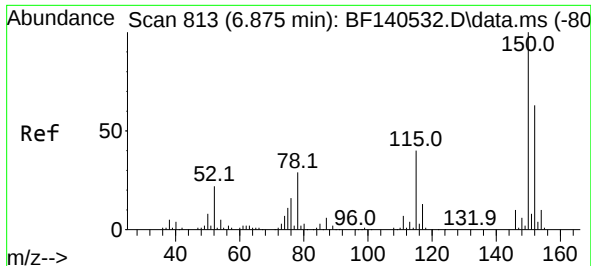
Instrument :
BNA_F
ClientSampleId :
TR-05-112124

Quant Time: Nov 26 02:01:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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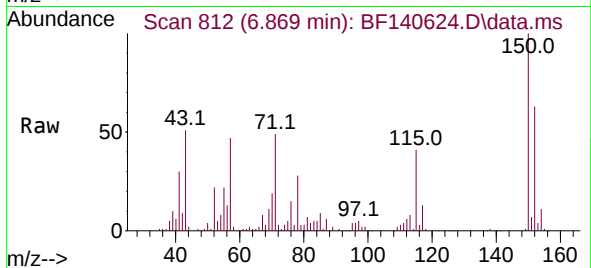
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

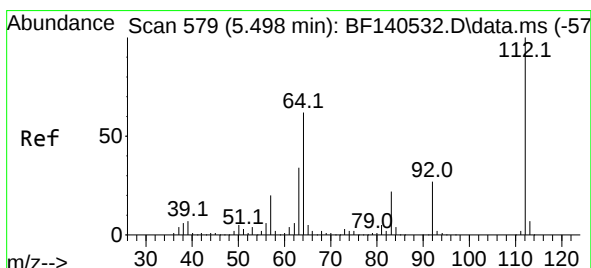
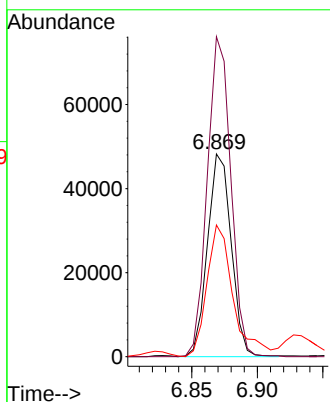
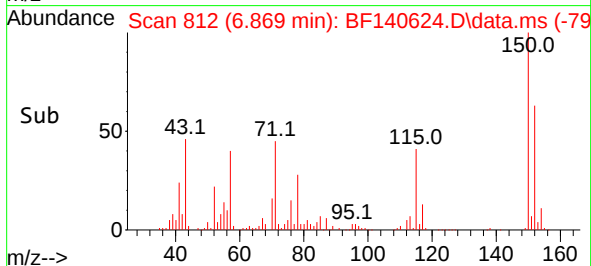
Instrument :
BNA_F
ClientSampleId :
TR-05-112124



Tgt Ion:152 Resp: 60804
Ion Ratio Lower Upper
152 100
150 157.8 128.5 192.7
115 65.0 50.2 75.4

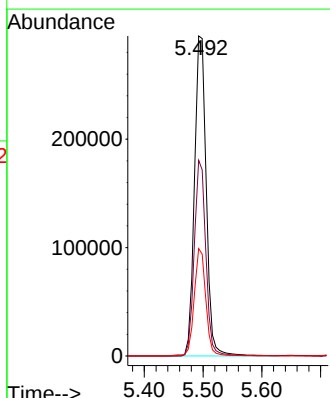
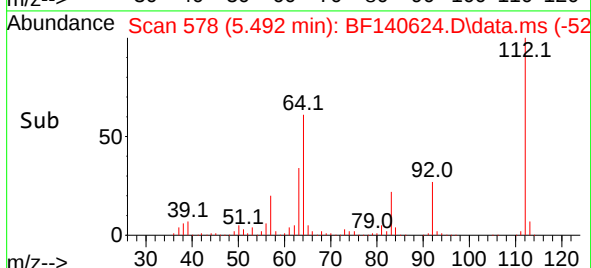
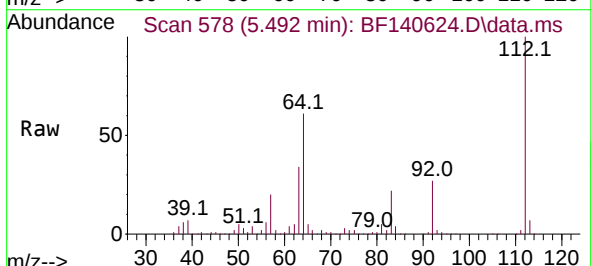
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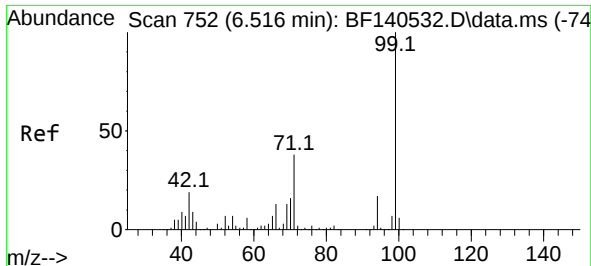
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#5
2-Fluorophenol
Concen: 115.362 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Tgt Ion:112 Resp: 411116
Ion Ratio Lower Upper
112 100
64 61.2 49.2 73.8
63 33.5 27.0 40.4





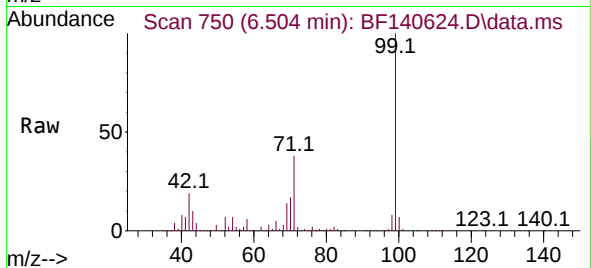
#7
Phenol-d6
Concen: 113.139 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Instrument :

BNA_F

ClientSampleId :

TR-05-112124



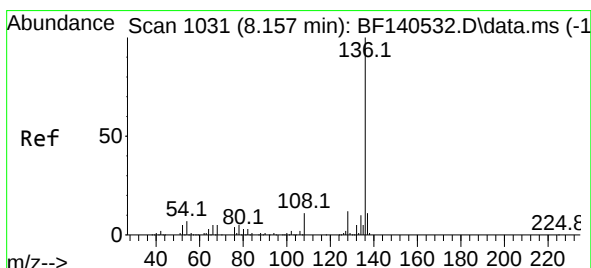
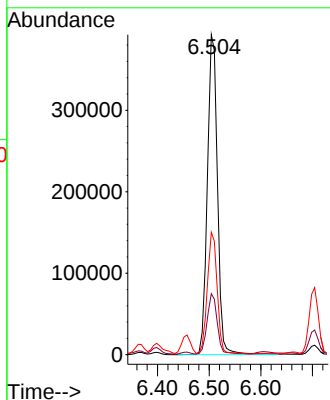
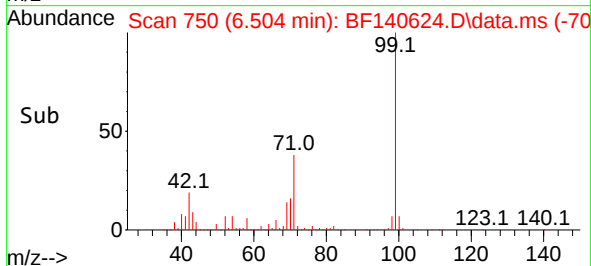
Tgt Ion: 99 Resp: 53302
Ion Ratio Lower Upper
99 100
42 19.1 15.4 23.0
71 38.3 30.6 46.0

Manual Integrations

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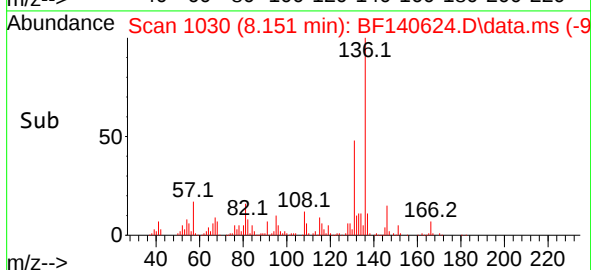
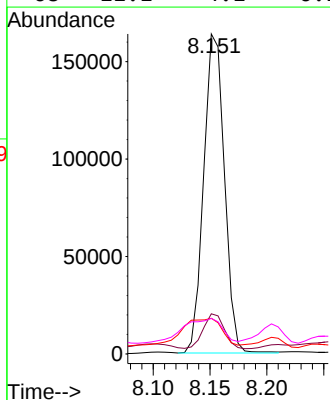
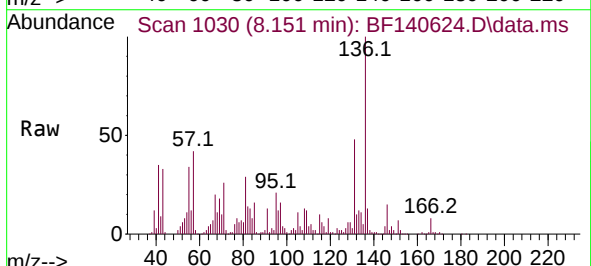
Reviewed By :Yogesh Patel 11/27/2024

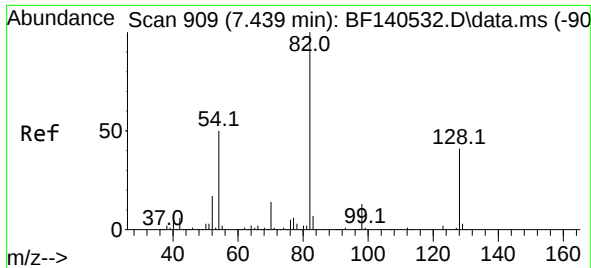
Supervised By :mohammad ahmed 11/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Tgt Ion:136 Resp: 207855
Ion Ratio Lower Upper
136 100
137 12.5 8.6 13.0
54 11.1 5.8 8.8#
68 11.1 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 84.583 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Instrument :

BNA_F

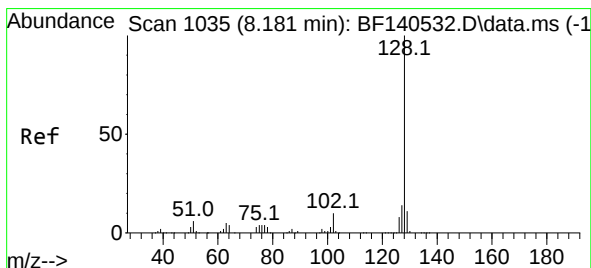
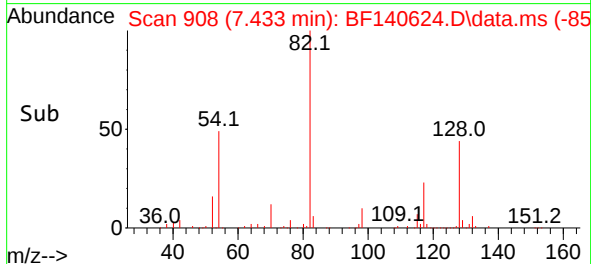
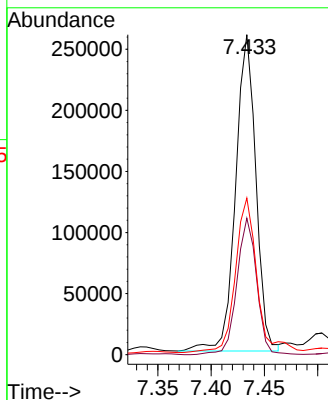
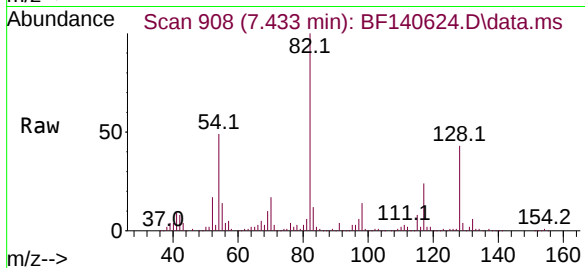
ClientSampleId :

TR-05-112124

Tgt Ion: 82 Resp: 343712
Ion Ratio Lower Upper
82 100
128 42.7 33.0 49.4
54 49.0 39.5 59.3

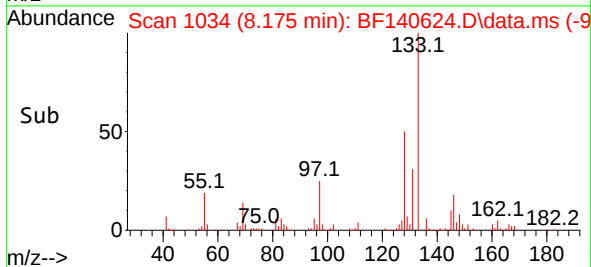
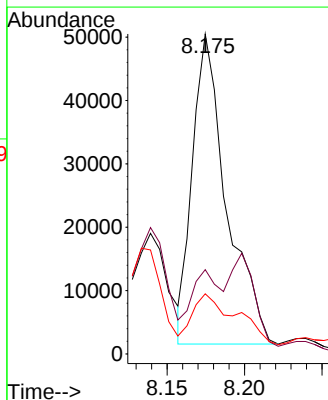
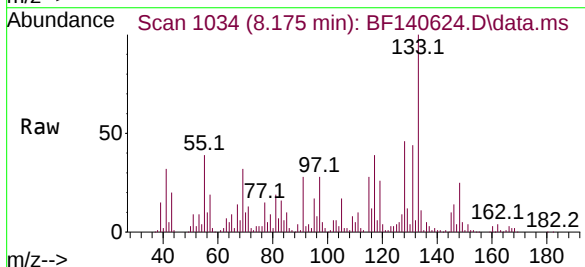
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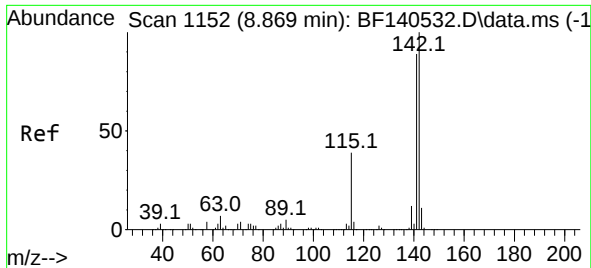
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#31
Naphthalene
Concen: 6.988 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Tgt Ion:128 Resp: 74812
Ion Ratio Lower Upper
128 100
129 26.3 8.6 13.0#
127 18.8 10.8 16.2#





#37
2-Methylnaphthalene
Concen: 15.806 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Instrument :

BNA_F

ClientSampleId :

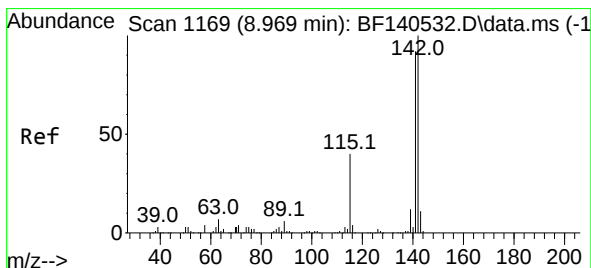
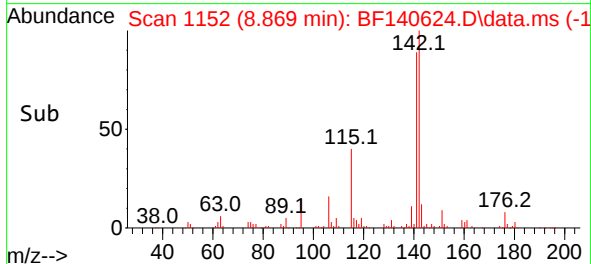
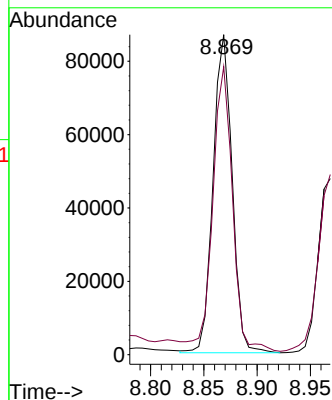
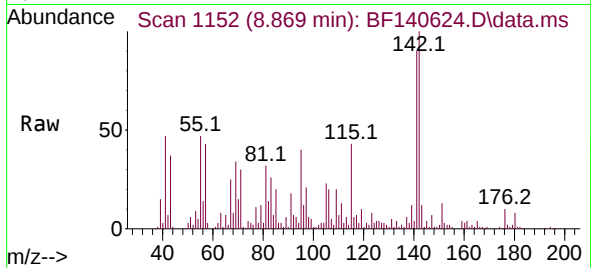
TR-05-112124

Tgt Ion:142 Resp: 10748
Ion Ratio Lower Upper
142 100
141 90.0 71.0 106.6

Manual Integrations

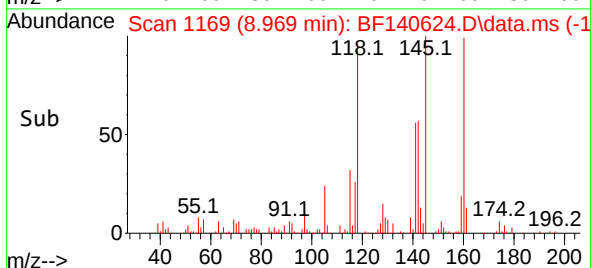
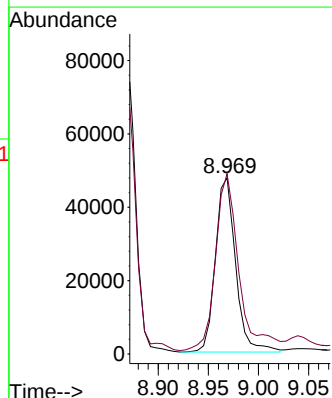
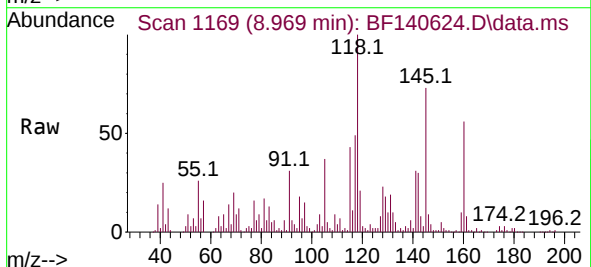
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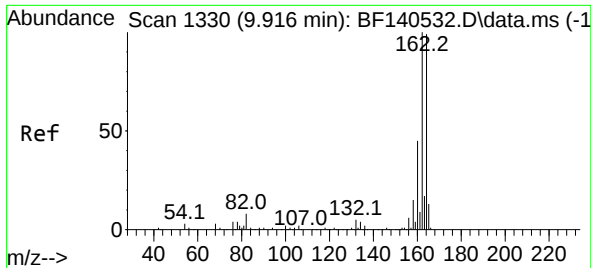
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#38
1-Methylnaphthalene
Concen: 9.995 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Tgt Ion:142 Resp: 66620
Ion Ratio Lower Upper
142 100
141 102.3 73.3 109.9





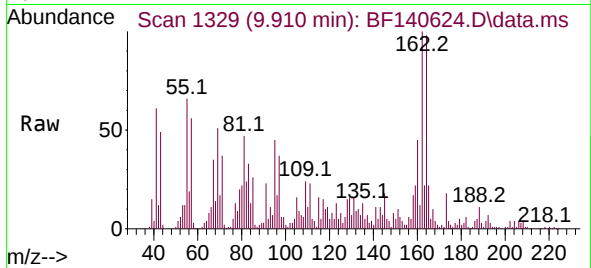
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Instrument :

BNA_F

ClientSampleId :

TR-05-112124



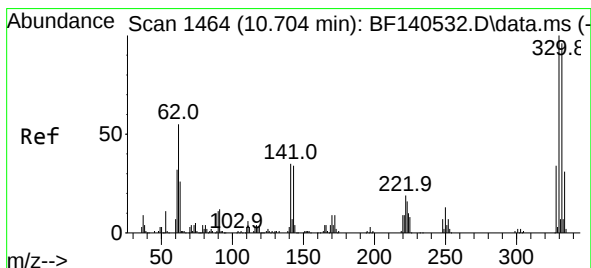
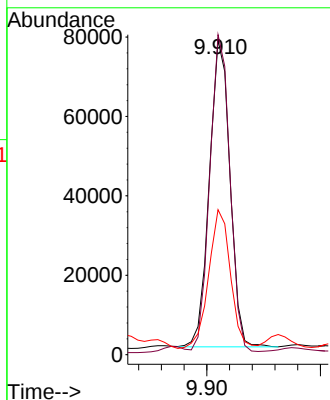
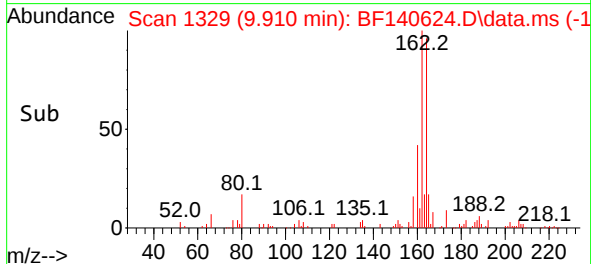
Tgt Ion:164 Resp: 97380
Ion Ratio Lower Upper
164 100
162 101.8 80.6 120.8
160 46.1 36.2 54.4

Manual Integrations

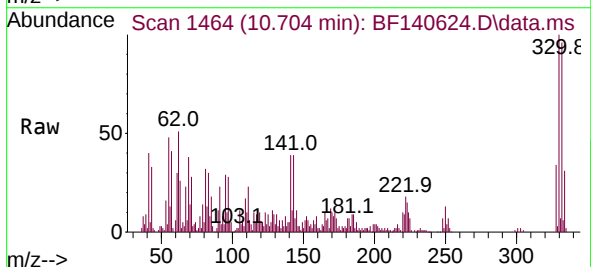
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Reviewed By :Yogesh Patel 11/27/2024

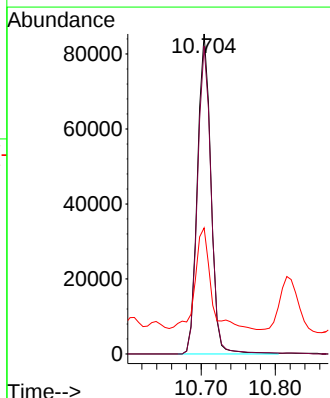
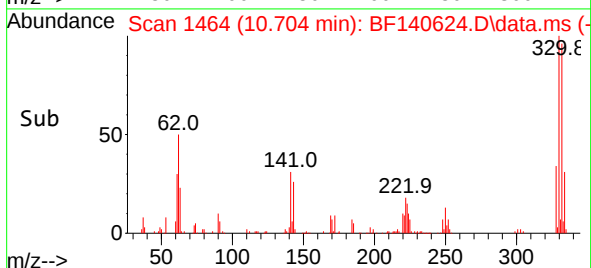
Supervised By :mohammad ahmed 11/27/2024

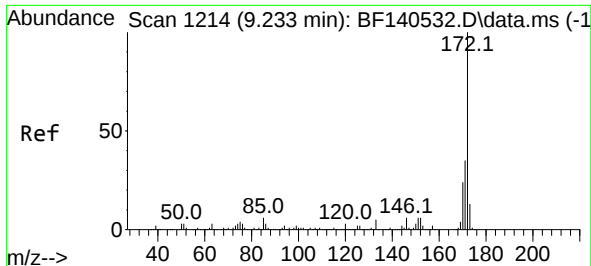


#42
2,4,6-Tribromophenol
Concen: 103.482 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40



Tgt Ion:330 Resp: 107775
Ion Ratio Lower Upper
330 100
332 97.2 76.9 115.3
141 36.9 26.7 40.1





#45
2-Fluorobiphenyl
Concen: 85.508 ng
RT: 9.227 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Instrument :

BNA_F

ClientSampleId :

TR-05-112124

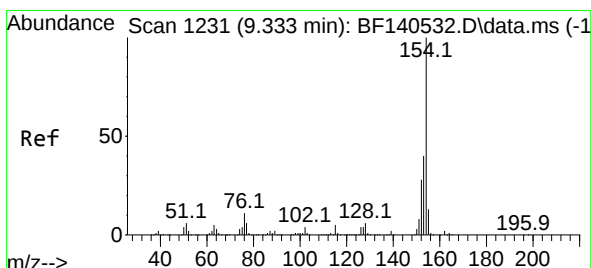
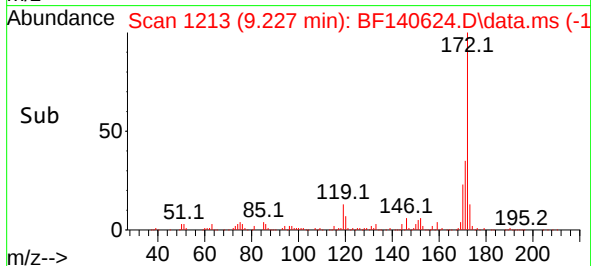
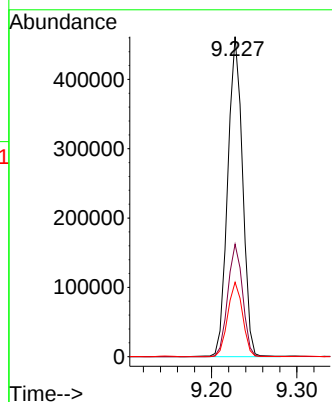
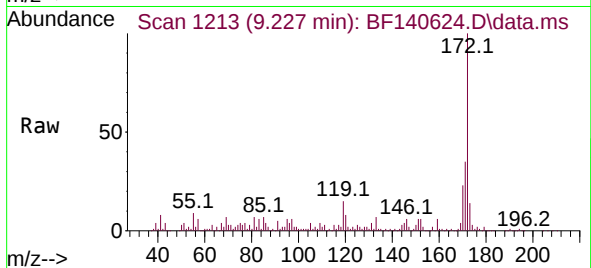
Tgt Ion:172 Resp: 55886
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.2 19.0 28.6

Manual Integrations

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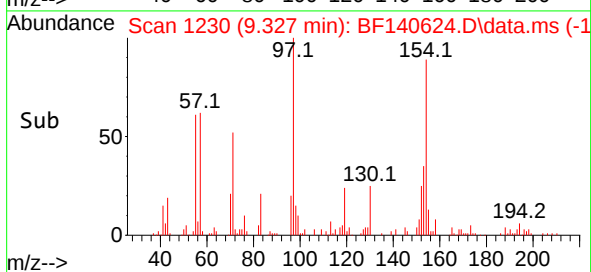
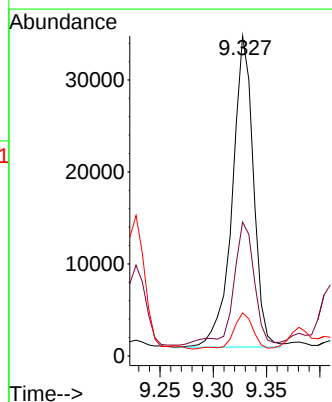
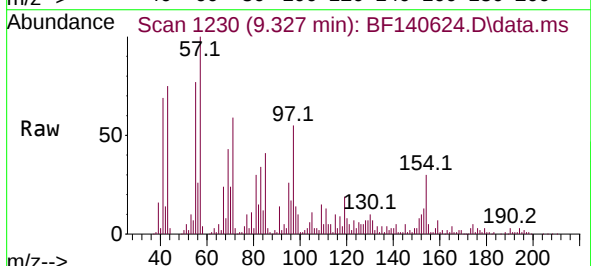
Reviewed By :Yogesh Patel 11/27/2024

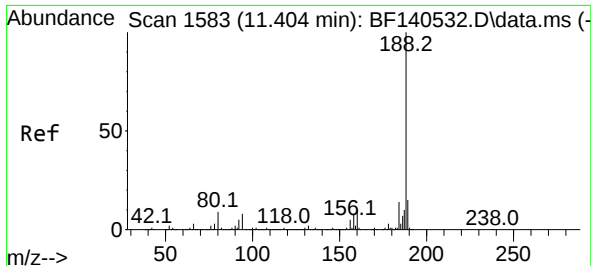
Supervised By :mohammad ahmed 11/27/2024



#46
1,1'-Biphenyl
Concen: 6.452 ng
RT: 9.327 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Tgt Ion:154 Resp: 46908
Ion Ratio Lower Upper
154 100
153 41.9 20.4 60.4
76 13.5 0.0 31.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Instrument :

BNA_F

ClientSampleId :

TR-05-112124

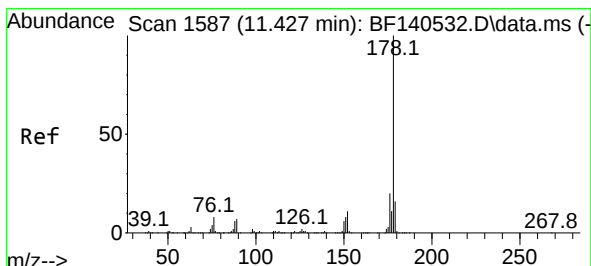
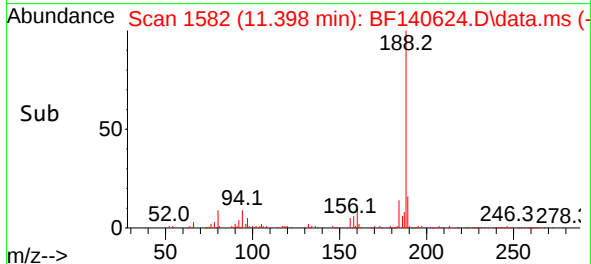
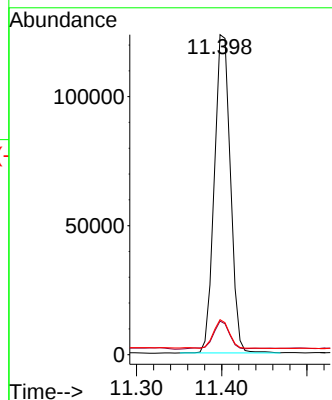
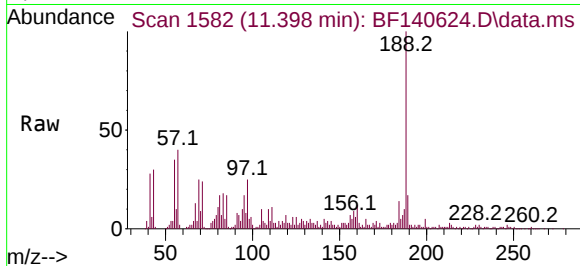
Tgt Ion:188 Resp: 16174
Ion Ratio Lower Upper
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94 10.5 6.4 9.6
80 11.0 6.9 10.3

Manual Integrations

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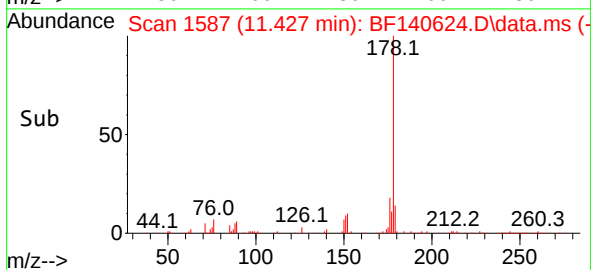
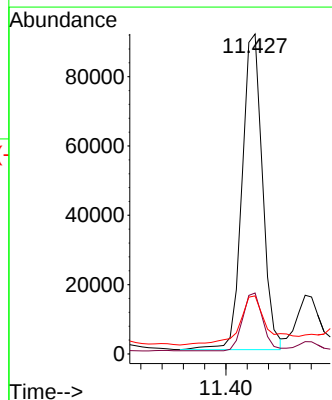
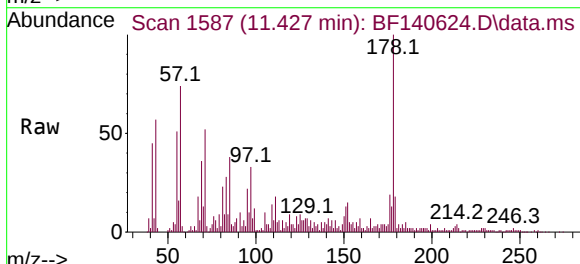
Reviewed By :Yogesh Patel 11/27/2024

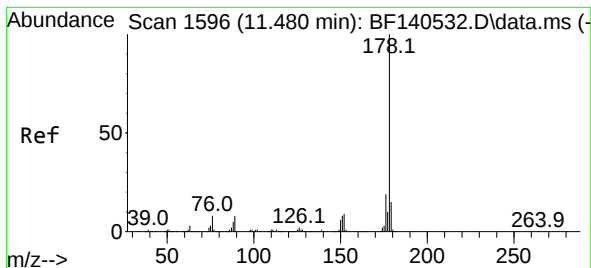
Supervised By :mohammad ahmed 11/27/2024



#71
Phenanthrene
Concen: 15.611 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Tgt Ion:178 Resp: 121369
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 18.2 12.4 18.6





#72

Anthracene

Concen: 3.350 ng m

RT: 11.474 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140624.D

Acq: 26 Nov 2024 00:40

Instrument :

BNA_F

ClientSampleId :

TR-05-112124

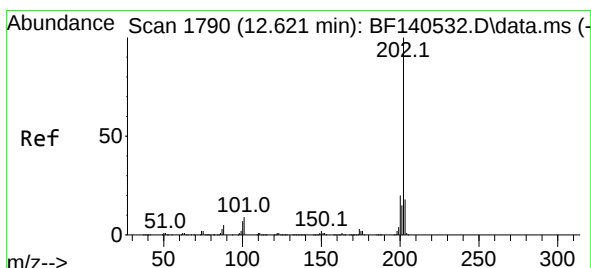
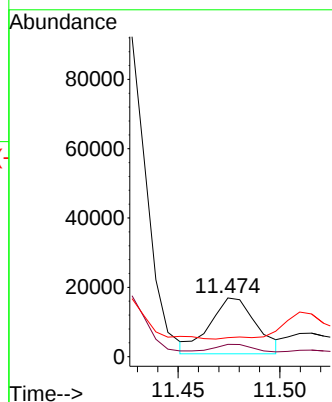
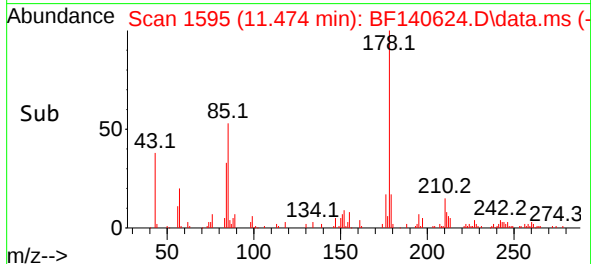
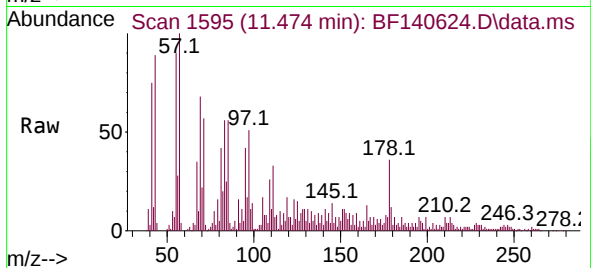
Tgt Ion:178	Resp:	25479
Ion Ratio	Lower	Upper
178	100	
176	21.0	15.0 22.4
179	32.4	12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#75

Fluoranthene

Concen: 22.525 ng

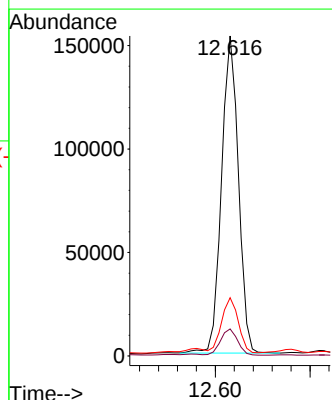
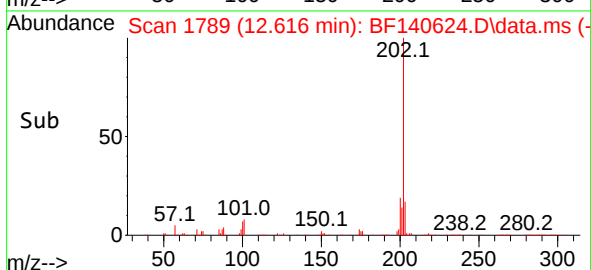
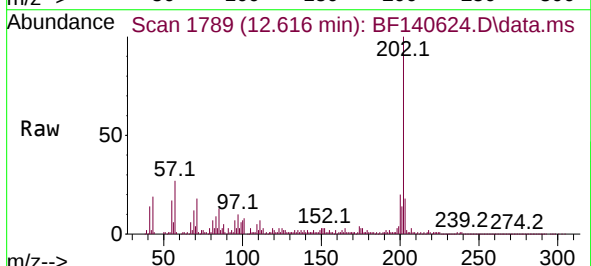
RT: 12.616 min Scan# 1789

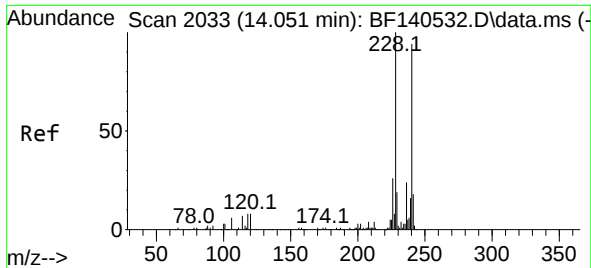
Delta R.T. -0.006 min

Lab File: BF140624.D

Acq: 26 Nov 2024 00:40

Tgt Ion:202	Resp:	190138
Ion Ratio	Lower	Upper
202	100	
101	8.5	0.0 28.9
203	18.2	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: BF140624.D
Acq: 26 Nov 2024 00:40

Instrument :

BNA_F

ClientSampleId :

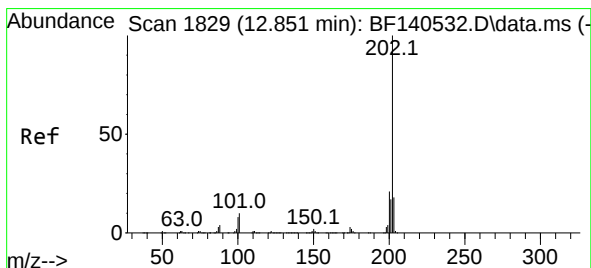
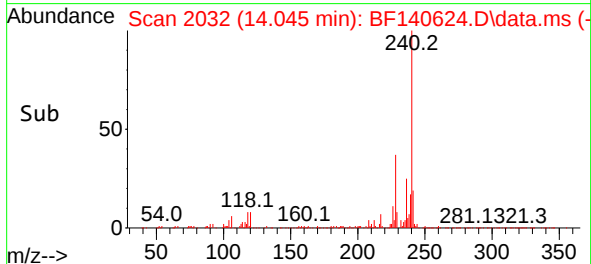
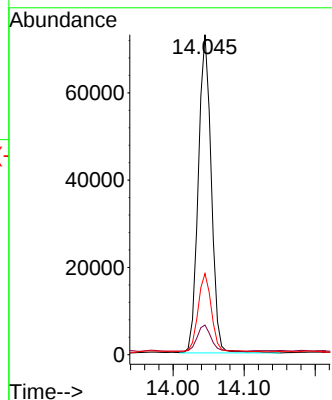
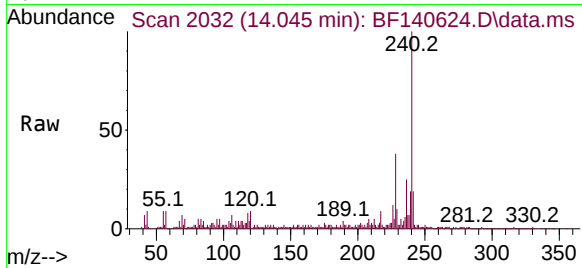
TR-05-112124

Tgt Ion:240 Resp: 9250
Ion Ratio Lower Upper
240 100
120 9.2 7.3 10.9
236 25.4 20.6 31.0

Manual Integrations

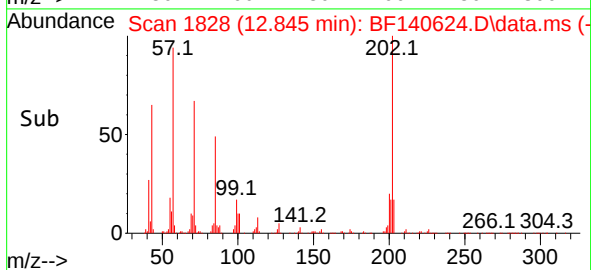
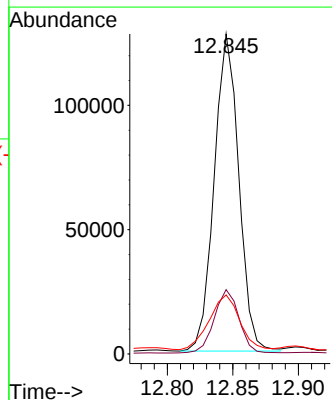
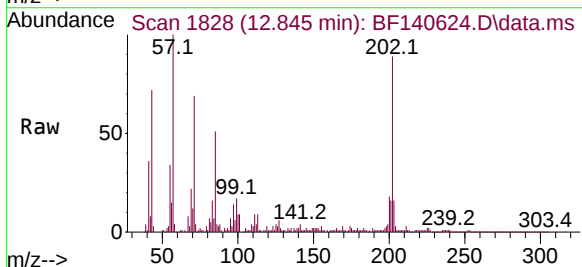
APPROVED

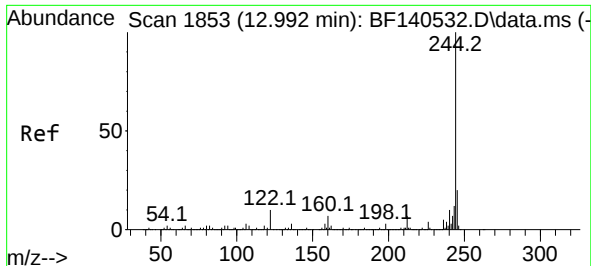
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#78
Pyrene
Concen: 19.457 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Tgt Ion:202 Resp: 166421
Ion Ratio Lower Upper
202 100
200 20.1 16.5 24.7
203 18.4 14.2 21.4





#79
Terphenyl-d14
Concen: 77.807 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Instrument :

BNA_F

ClientSampleId :

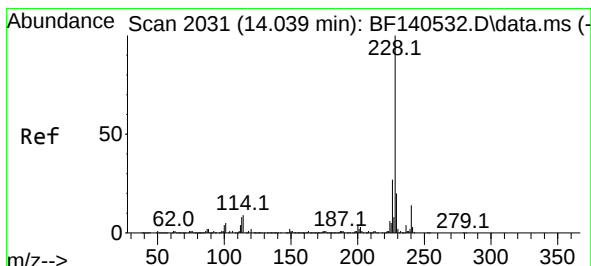
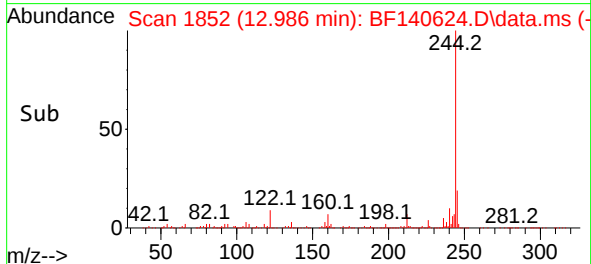
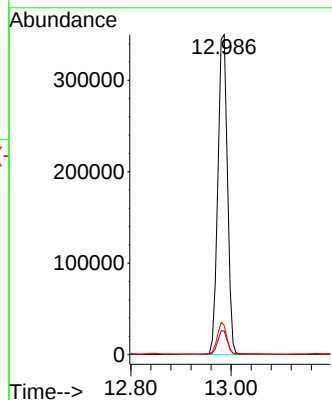
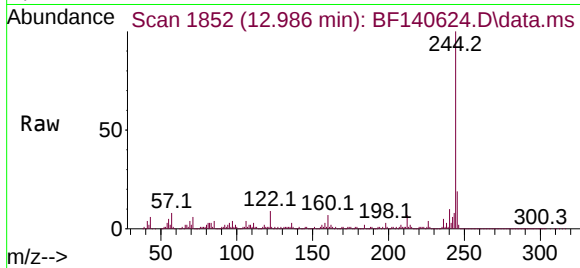
TR-05-112124

Tgt Ion:244 Resp: 462240
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.8
122 9.1 8.0 12.0

Manual Integrations

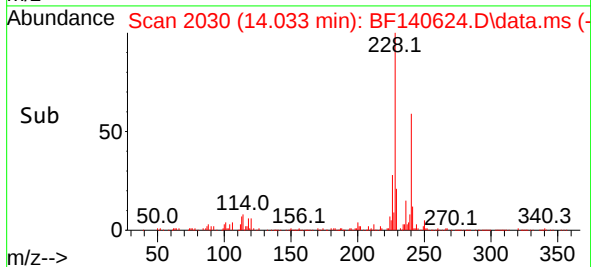
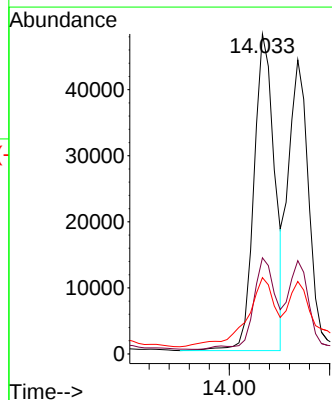
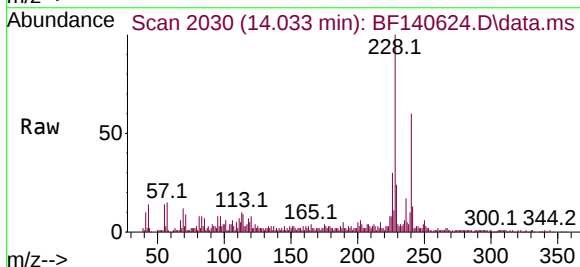
APPROVED

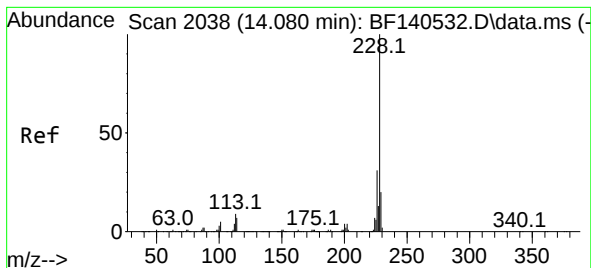
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#81
Benzo(a)anthracene
Concen: 11.183 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Tgt Ion:228 Resp: 68479
Ion Ratio Lower Upper
228 100
226 30.0 21.8 32.8
229 23.8 15.8 23.6#





#83

Chrysene

Concen: 10.953 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF140624.D

Acq: 26 Nov 2024 00:40

Instrument :

BNA_F

ClientSampleId :

TR-05-112124

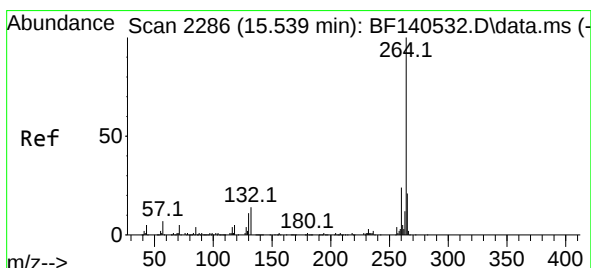
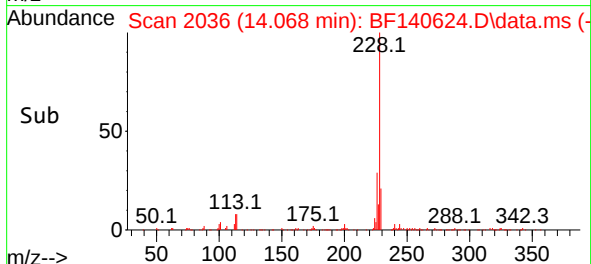
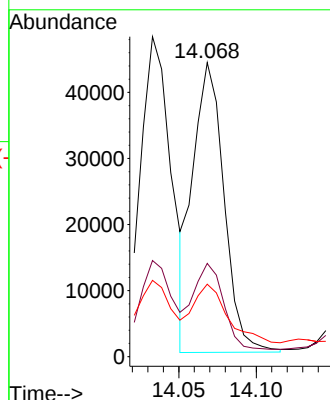
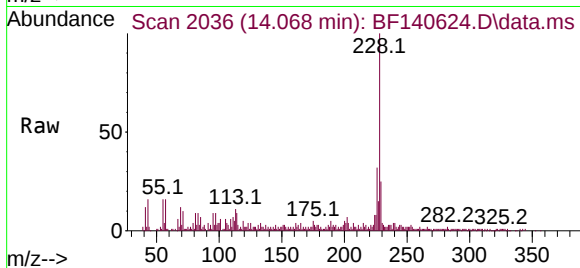
Tgt Ion:228	Resp: 6132
Ion Ratio	Lower Upper
228 100	
226 31.7	24.4 36.6
229 24.7	15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#86

Perylene-d12

Concen: 20.000 ng

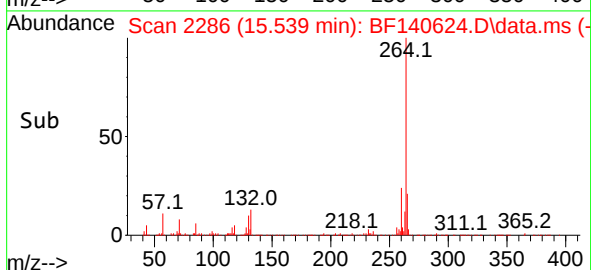
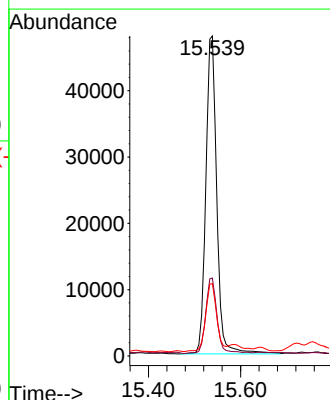
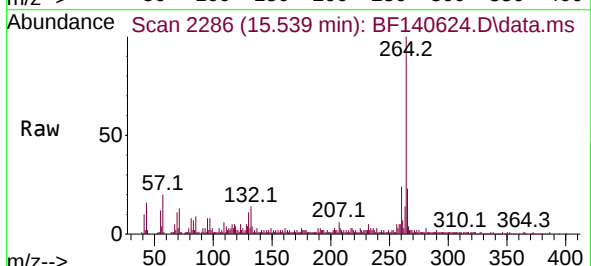
RT: 15.539 min Scan# 2286

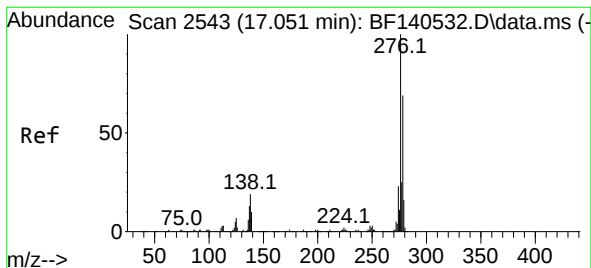
Delta R.T. -0.000 min

Lab File: BF140624.D

Acq: 26 Nov 2024 00:40

Tgt Ion:264	Resp: 79717
Ion Ratio	Lower Upper
264 100	
260 24.4	19.0 28.6
265 22.6	16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.364 ng

RT: 17.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140624.D

Acq: 26 Nov 2024 00:40

Instrument :

BNA_F

ClientSampleId :

TR-05-112124

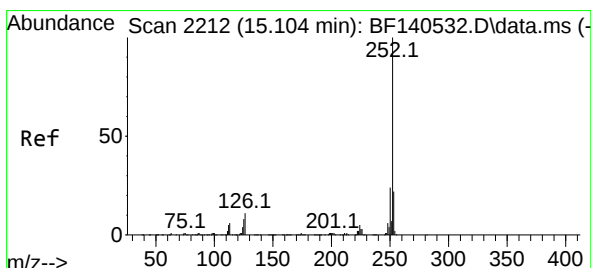
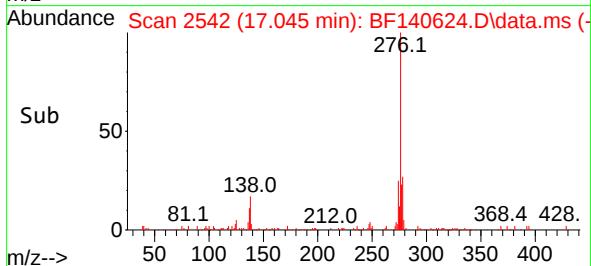
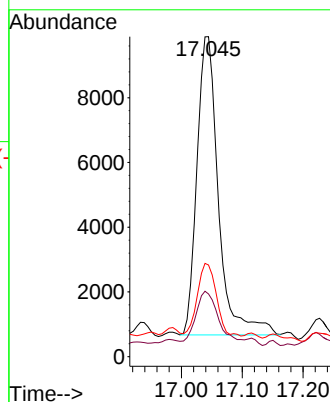
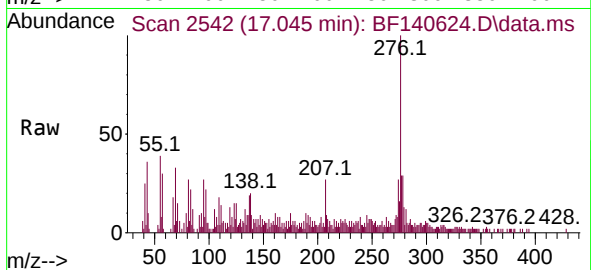
Tgt Ion:	276	Resp:	2267
Ion Ratio	Lower	Upper	
276	100		
138	16.5	15.5	23.3
277	23.3	20.1	30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#88

Benzo(b)fluoranthene

Concen: 12.225 ng m

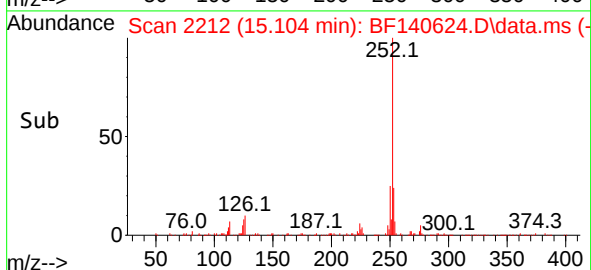
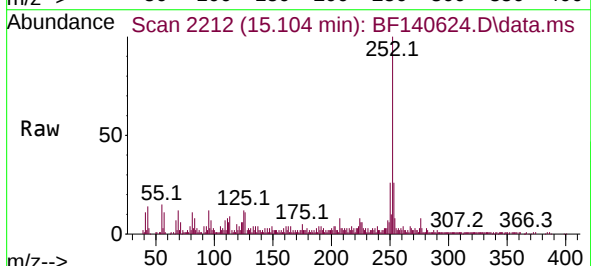
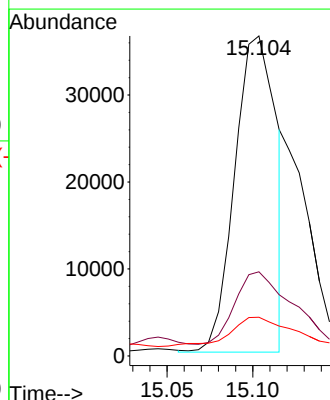
RT: 15.104 min Scan# 2212

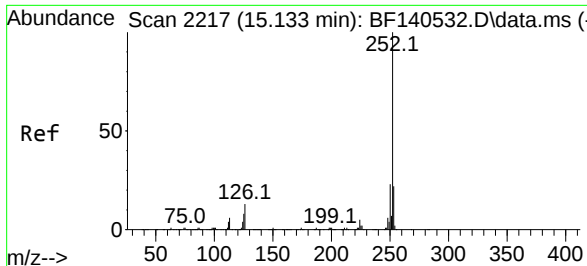
Delta R.T. -0.000 min

Lab File: BF140624.D

Acq: 26 Nov 2024 00:40

Tgt Ion:	252	Resp:	61211
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.2	25.8#
125	12.1	6.7	10.1#





#89

Benzo(k)fluoranthene

Concen: 6.061 ng m

RT: 15.115 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140624.D

Acq: 26 Nov 2024 00:40

Instrument :

BNA_F

ClientSampleId :

TR-05-112124

Tgt Ion:252 Resp: 2655

Ion Ratio Lower Upper

252 100

253 27.1 17.5 26.3

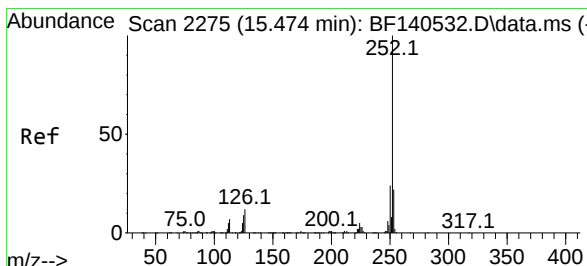
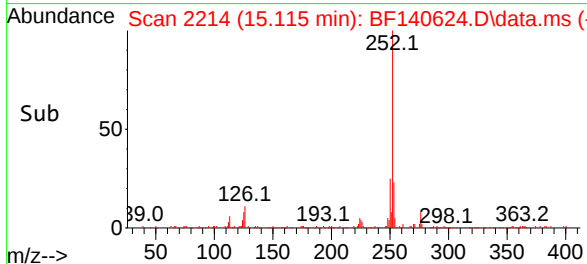
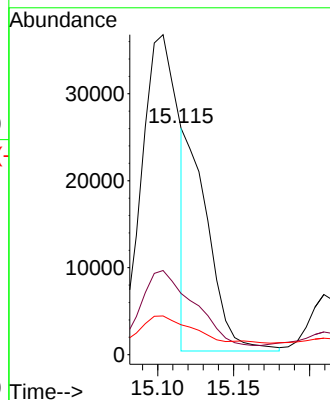
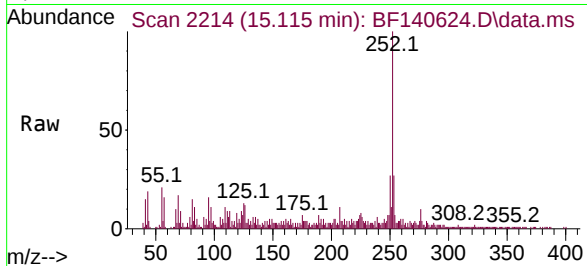
125 13.2 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#90

Benzo(a)pyrene

Concen: 10.685 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.000 min

Lab File: BF140624.D

Acq: 26 Nov 2024 00:40

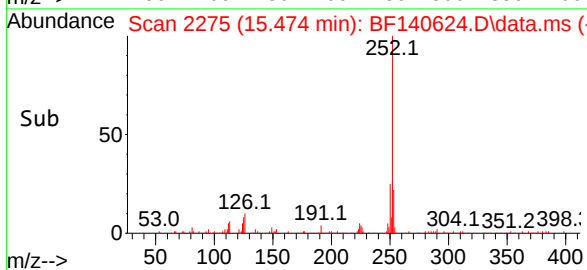
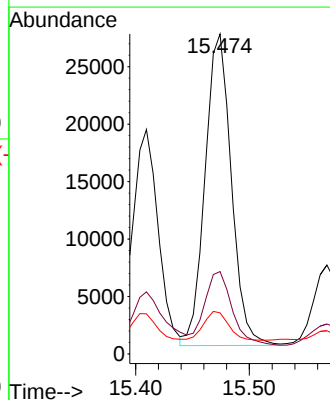
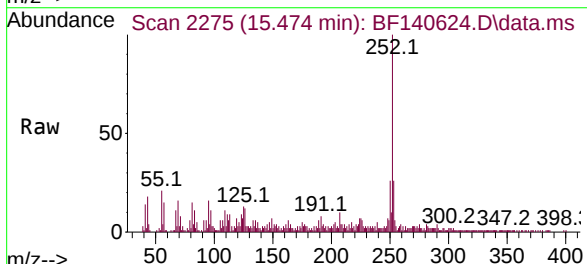
Tgt Ion:252 Resp: 43501

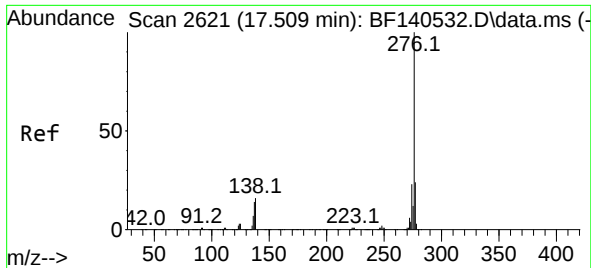
Ion Ratio Lower Upper

252 100

253 25.8 17.3 25.9

125 12.9 7.0 10.6





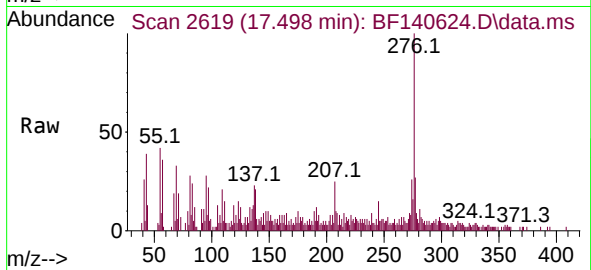
#92
Benzo(g,h,i)perylene
Concen: 4.774 ng
RT: 17.498 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF140624.D
Acq: 26 Nov 2024 00:40

Instrument :

BNA_F

ClientSampleId :

TR-05-112124



Tgt Ion:276 Resp: 20728
Ion Ratio Lower Upper
276 100
277 26.7 18.9 28.3
138 21.4 13.2 19.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024

