

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140411.D
 Acq On : 15 Nov 2024 18:32
 Operator : RC/JU
 Sample : P4798-01DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-6DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/18/2024
 Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 15 18:54:23 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	140528	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	510006	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	249929	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	369589	20.000	ng	0.00
76) Chrysene-d12	14.057	240	246923	20.000	ng	0.00
86) Perylene-d12	15.562	264	188005	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	320577	38.949	ng	0.01
7) Phenol-d6	6.510	99	428696	38.444	ng	0.00
23) Nitrobenzene-d5	7.434	82	260103	26.572	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	74045	29.793	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	485641	31.236	ng	0.00
79) Terphenyl-d14	12.986	244	358592	25.208	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.175	128	66071	2.554	ng	100
52) Acenaphthene	9.939	154	48949	3.458	ng	95
55) Dibenzofuran	10.116	168	59129	2.951	ng	99
58) Fluorene	10.457	166	55762	3.523	ng	99
71) Phenanthrene	11.422	178	458273	26.396	ng	100
72) Anthracene	11.475	178	147521	8.670	ng	99
73) Carbazole	11.633	167	36636	2.181	ng	96
75) Fluoranthene	12.616	202	771993	39.634	ng	99
78) Pyrene	12.845	202	681407	32.262	ng	98
80) Butylbenzylphthalate	13.463	149	21166	2.609	ng	93
81) Benzo(a)anthracene	14.045	228	368162	22.686	ng	97
83) Chrysene	14.080	228	291794	19.706	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	24043	2.220	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.062	276	107712	9.275	ng	96
88) Benzo(b)fluoranthene	15.127	252	320949m	26.097	ng	
89) Benzo(k)fluoranthene	15.145	252	92135m	9.171	ng	
90) Benzo(a)pyrene	15.498	252	197979	20.730	ng	97
91) Dibenzo(a,h)anthracene	17.074	278	27170	2.830	ng	# 82
92) Benzo(g,h,i)perylene	17.521	276	102376	10.432	ng	97

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

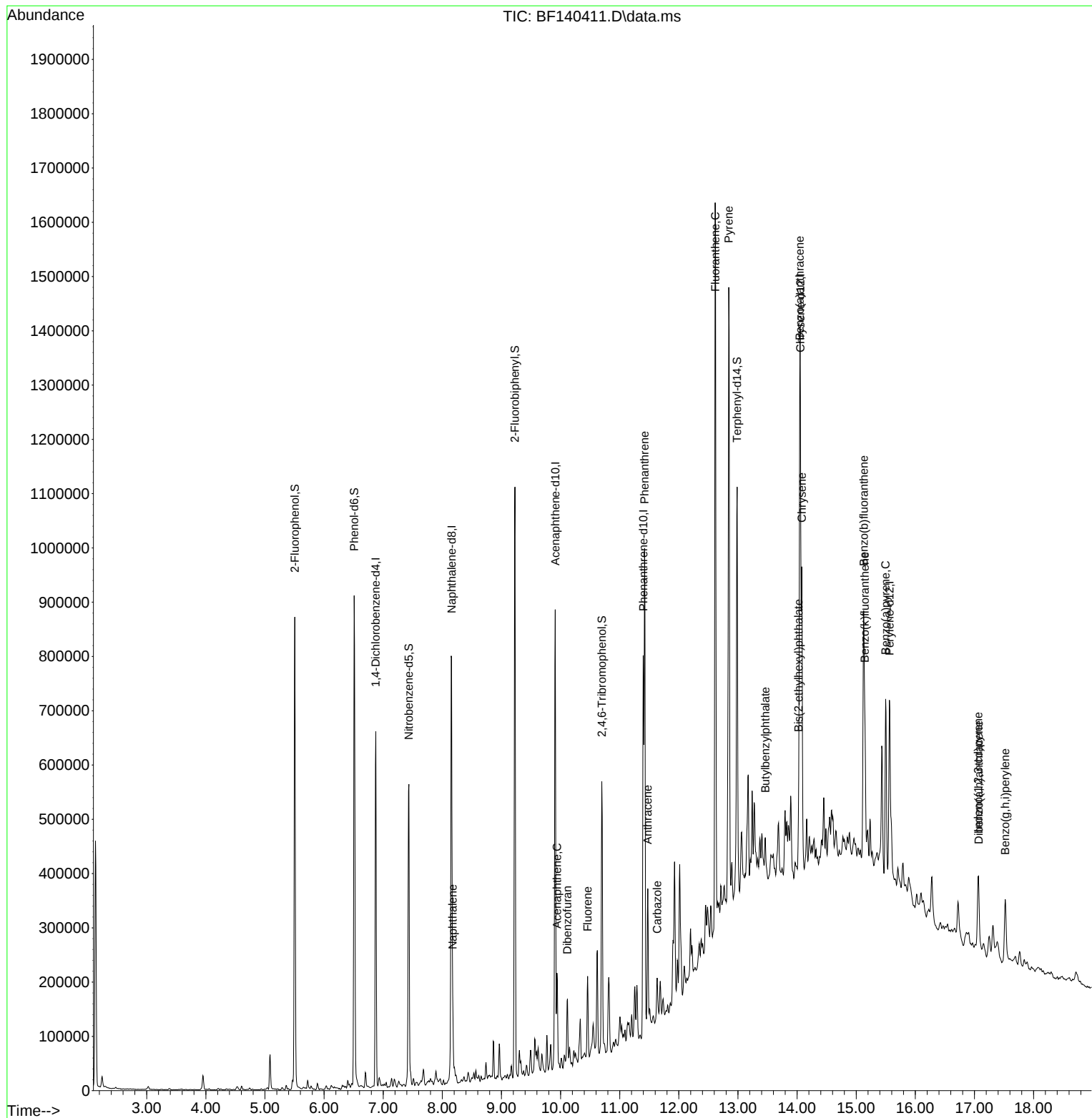
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140411.D
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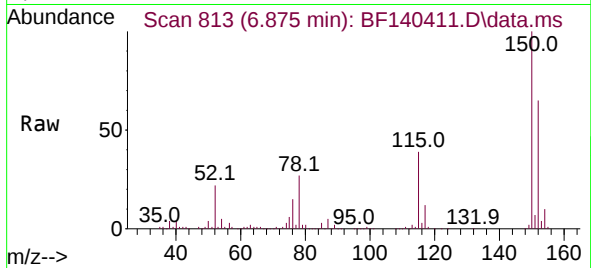
Quant Time: Nov 15 18:54:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

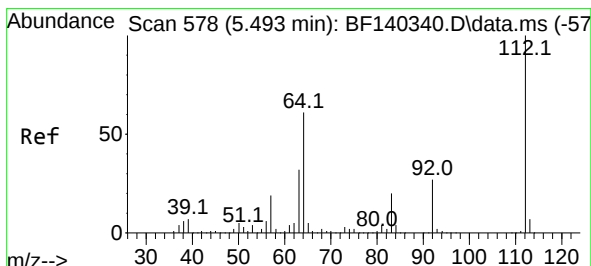
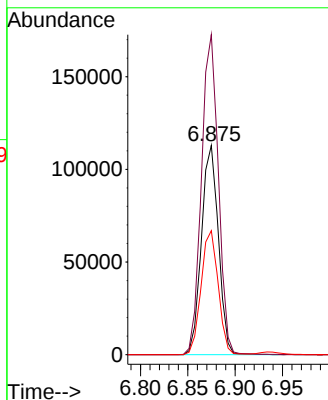
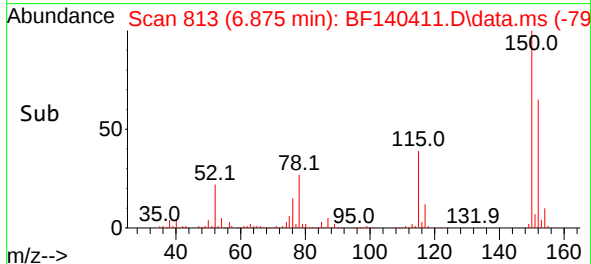
Instrument :
BNA_F
ClientSampleId :
MH-6DL



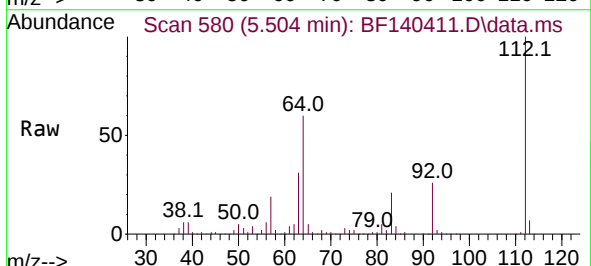
Tgt Ion:152 Resp: 140528
Ion Ratio Lower Upper
152 100
150 152.9 127.4 191.0
115 59.3 47.4 71.2

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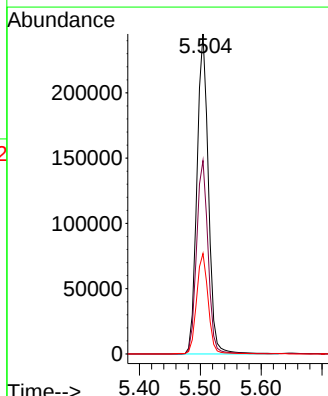
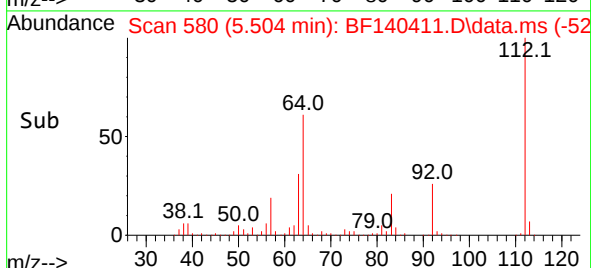
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#5
2-Fluorophenol
Concen: 38.949 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32



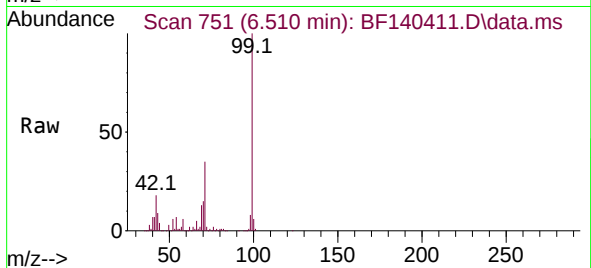
Tgt Ion:112 Resp: 320577
Ion Ratio Lower Upper
112 100
64 60.5 49.2 73.8
63 31.4 25.6 38.4





#7
Phenol-d6
Concen: 38.444 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

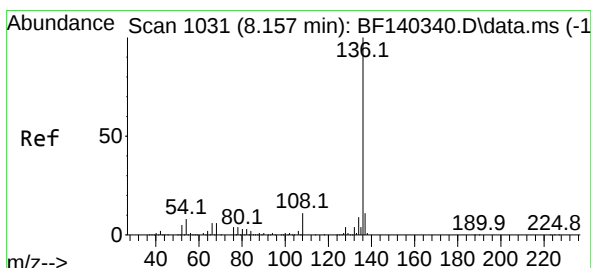
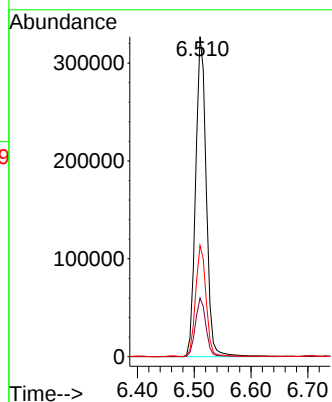
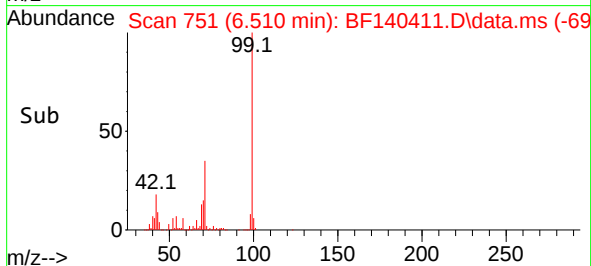
Instrument :
BNA_F
Client SampleId :
MH-6DL



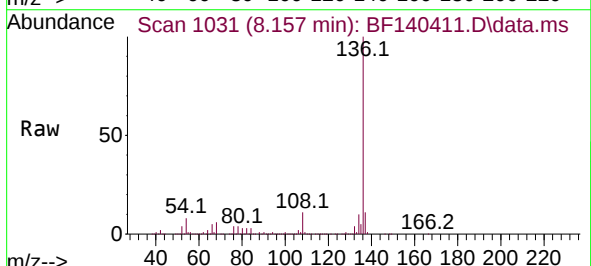
Tgt Ion: 99 Resp: 428690
Ion Ratio Lower Upper
99 100
42 18.3 15.1 22.7
71 34.7 27.9 41.9

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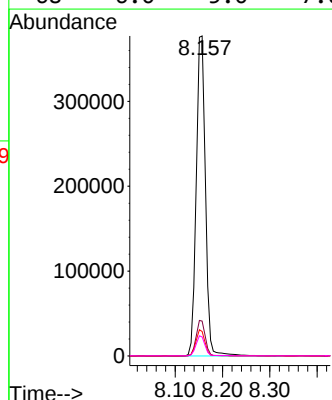
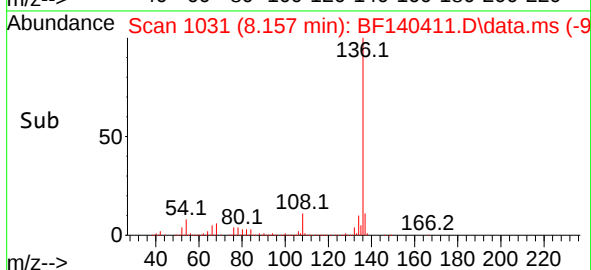
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

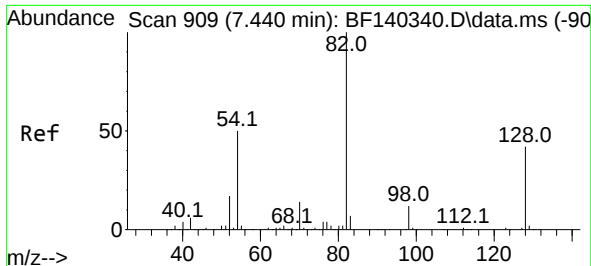


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32



Tgt Ion:136 Resp: 510006
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.7 6.5 9.7
68 6.0 5.0 7.6





#23

Nitrobenzene-d5

Concen: 26.572 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

Instrument :

BNA_F

ClientSampleId :

MH-6DL

Tgt Ion: 82 Resp: 26010

Ion Ratio Lower Upper

82 100

128 43.0 33.3 49.9

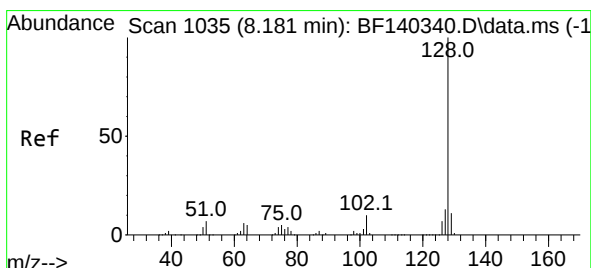
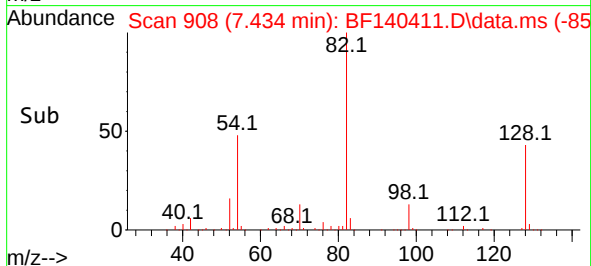
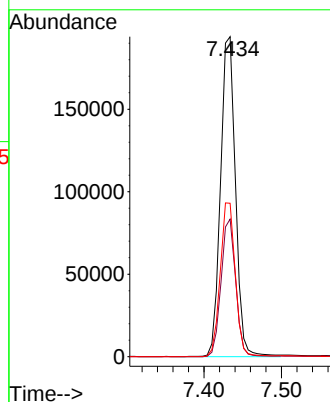
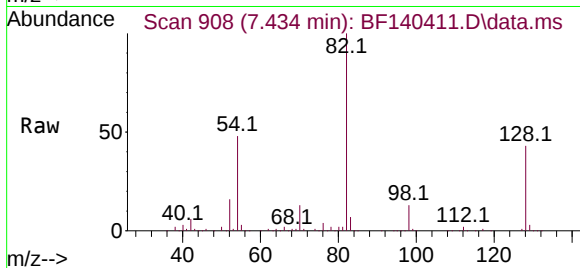
54 47.9 39.8 59.8

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#31

Naphthalene

Concen: 2.554 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

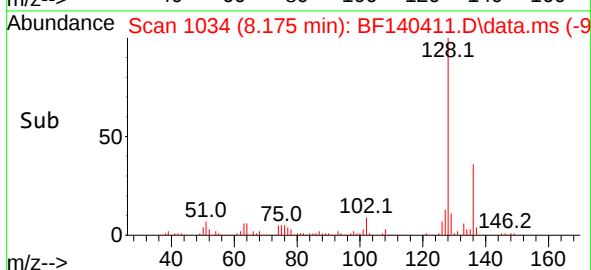
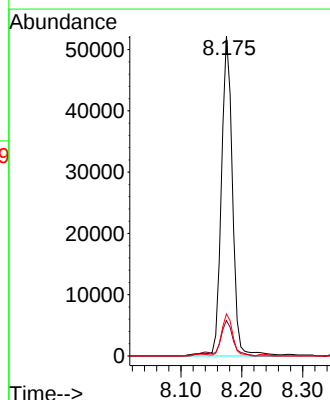
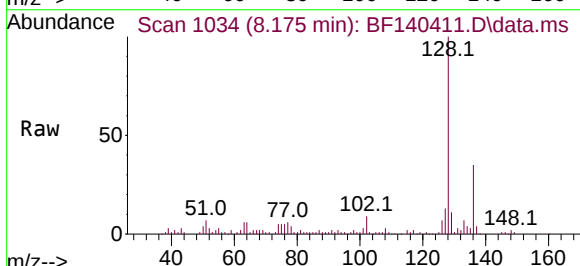
Tgt Ion:128 Resp: 66071

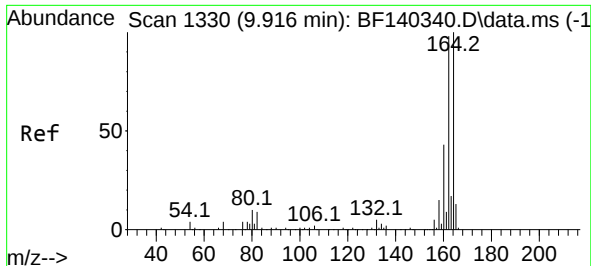
Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.1 10.6 15.8





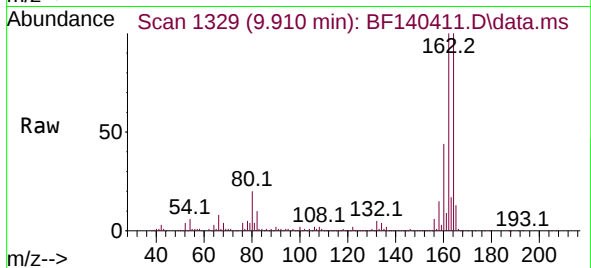
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Instrument :

BNA_F

ClientSampleId :

MH-6DL



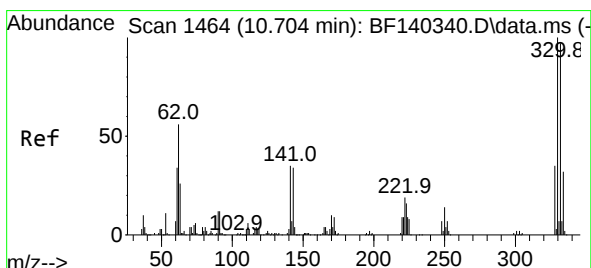
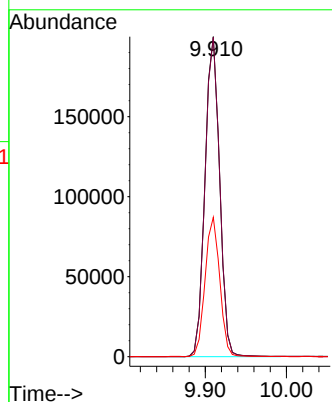
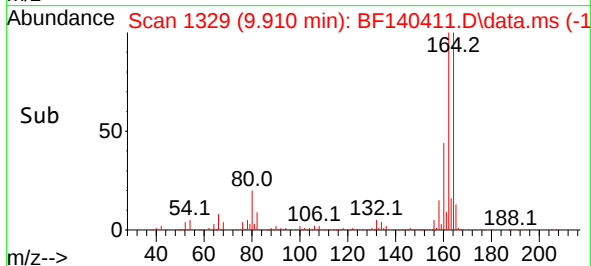
Tgt Ion:164 Resp: 249929
Ion Ratio Lower Upper
164 100
162 99.8 79.8 119.8
160 43.5 35.4 53.0

Manual Integrations

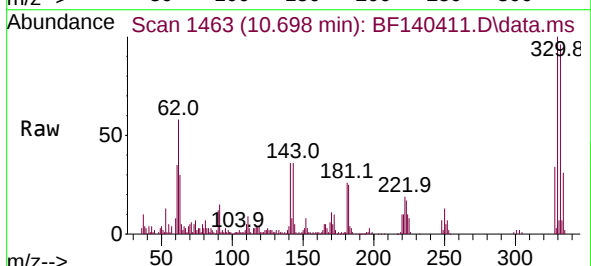
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Reviewed By :Yogesh Patel 11/18/2024

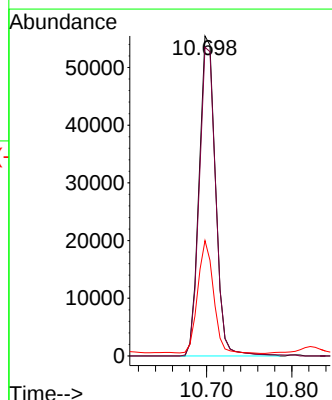
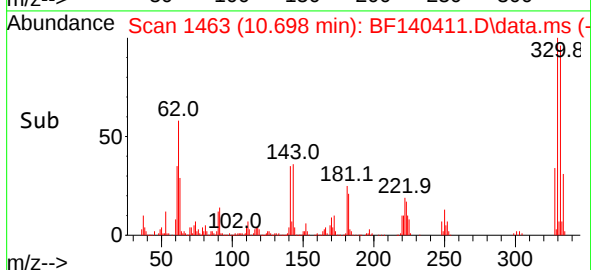
Supervised By :mohammad ahmed 11/18/2024

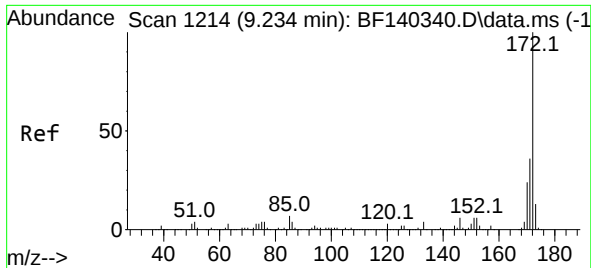


#42
2,4,6-Tribromophenol
Concen: 29.793 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32



Tgt Ion:330 Resp: 74045
Ion Ratio Lower Upper
330 100
332 97.5 75.9 113.9
141 34.0 26.9 40.3





#45

2-Fluorobiphenyl

Concen: 31.236 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

Instrument :

BNA_F

ClientSampleId :

MH-6DL

Tgt Ion:172 Resp: 48564

Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

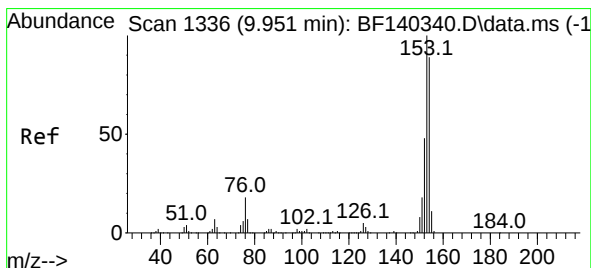
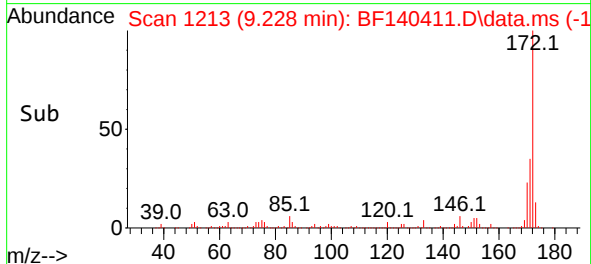
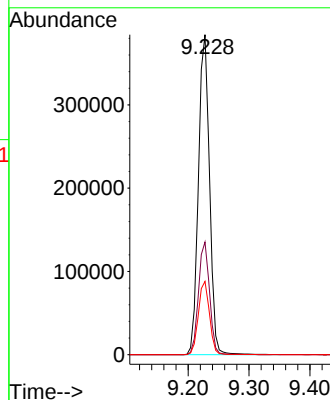
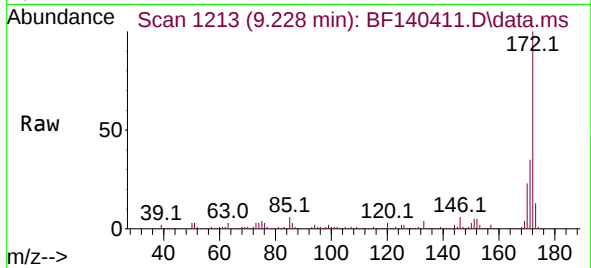
170 22.9 19.1 28.7

Manual Integrations

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Reviewed By :Yogesh Patel 11/18/2024

Supervised By :mohammad ahmed 11/18/2024



#52

Acenaphthene

Concen: 3.458 ng

RT: 9.939 min Scan# 1334

Delta R.T. -0.012 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

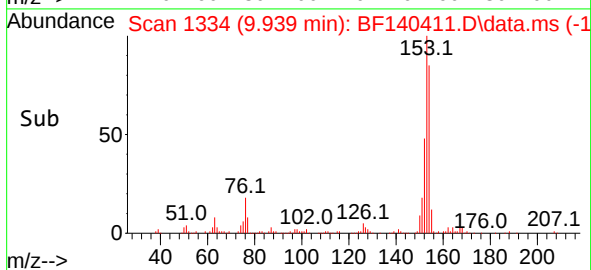
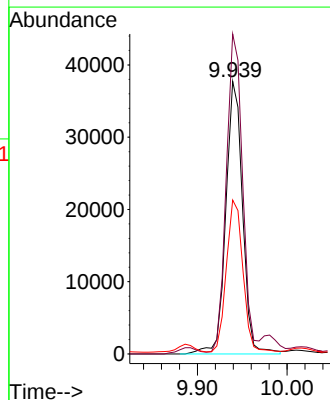
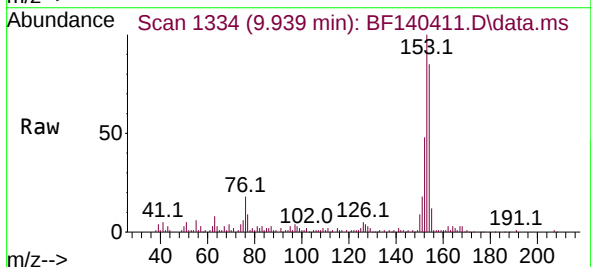
Tgt Ion:154 Resp: 48949

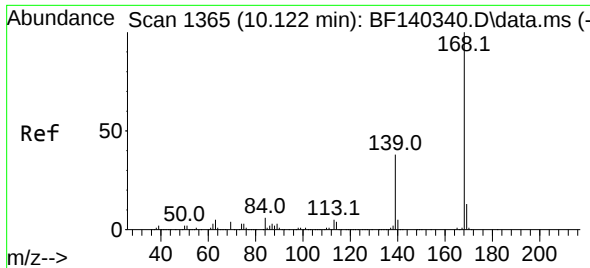
Ion Ratio Lower Upper

154 100

153 117.4 89.8 134.8

152 56.5 42.6 64.0





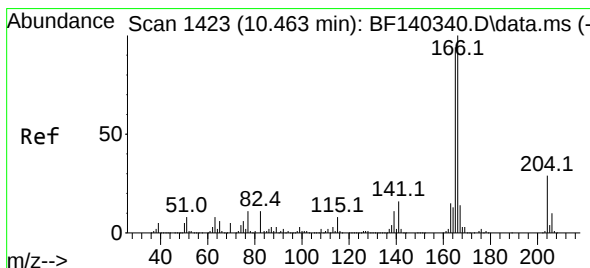
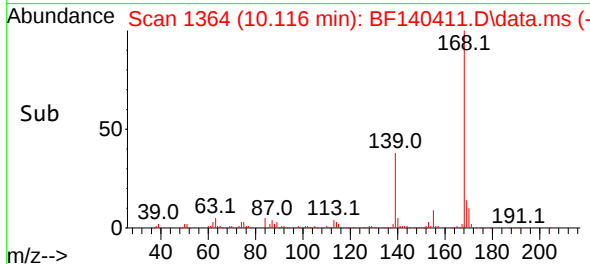
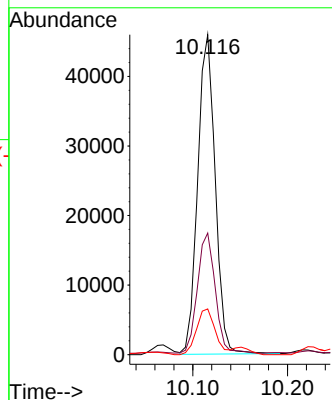
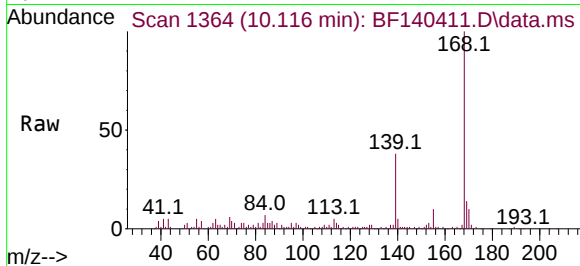
#55
Dibenzenofuran
Concen: 2.951 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Instrument :
BNA_F
ClientSampleId :
MH-6DL

Tgt Ion:168 Resp: 59129
Ion Ratio Lower Upper
168 100
139 38.0 30.8 46.2
169 14.3 10.8 16.2

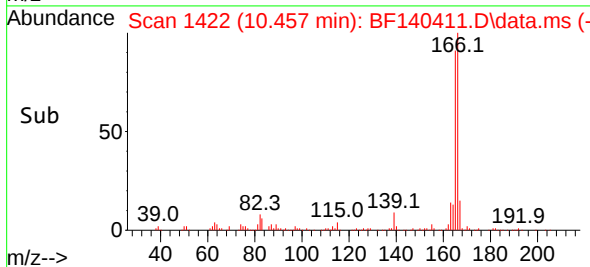
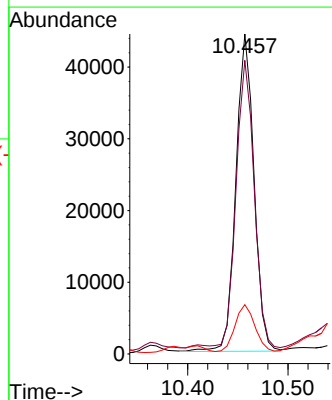
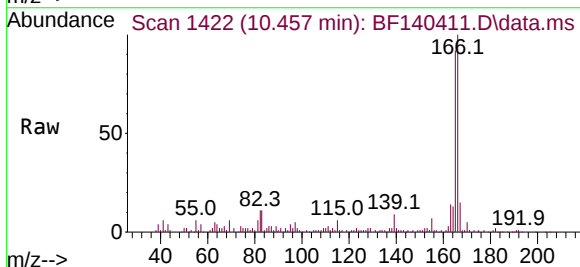
Manual Integrations
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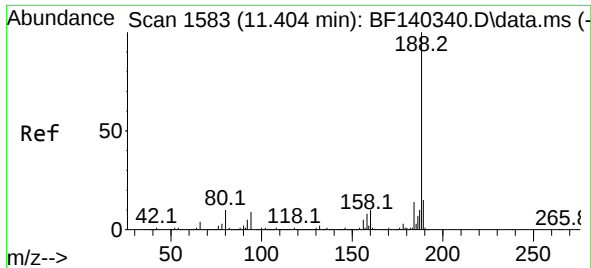
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#58
Fluorene
Concen: 3.523 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:166 Resp: 55762
Ion Ratio Lower Upper
166 100
165 91.7 73.9 110.9
167 15.4 10.9 16.3





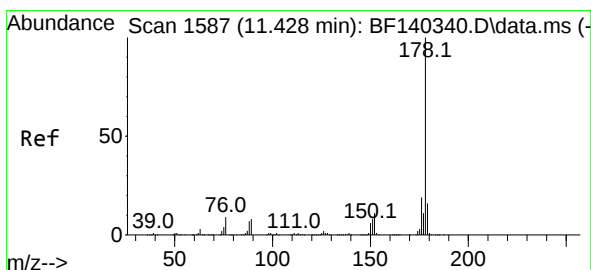
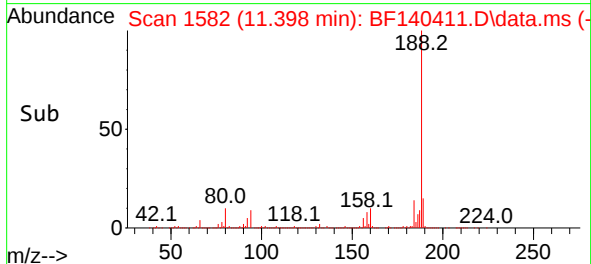
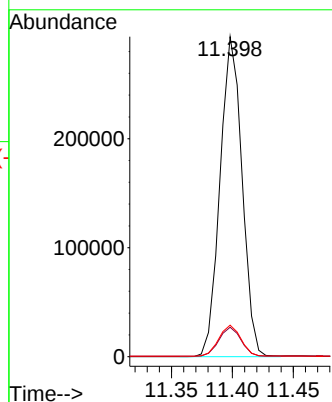
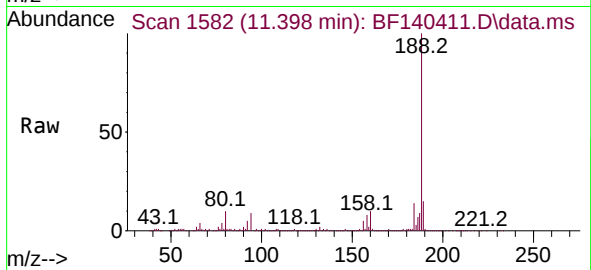
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Instrument :
BNA_F
ClientSampleId :
MH-6DL

Tgt Ion:188 Resp: 369589
Ion Ratio Lower Upper
188 100
94 9.2 7.6 11.4
80 9.8 8.0 12.0

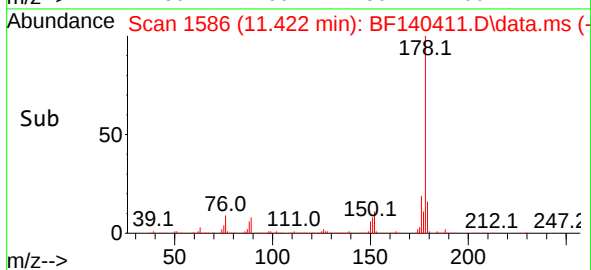
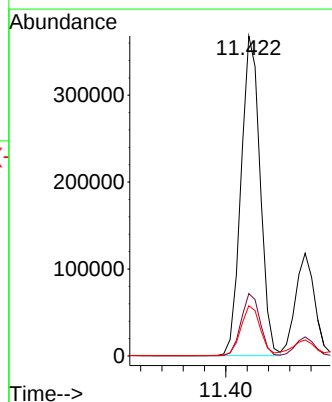
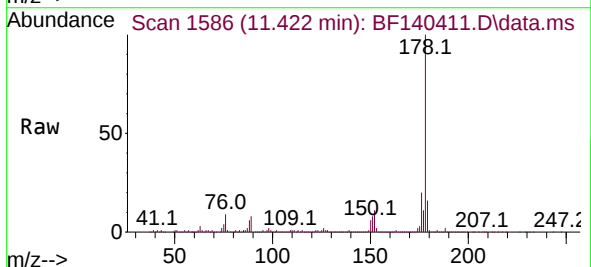
Manual Integrations
APPROVED

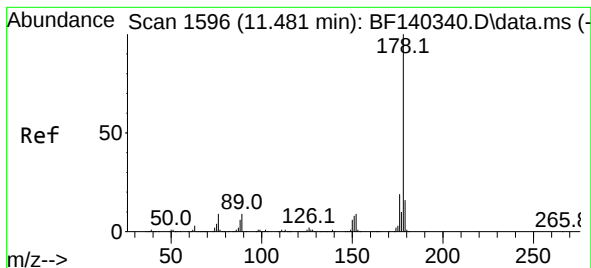
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#71
Phenanthrene
Concen: 26.396 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:178 Resp: 458273
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.7 12.4 18.6





#72

Anthracene

Concen: 8.670 ng

RT: 11.475 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

Instrument :

BNA_F

ClientSampleId :

MH-6DL

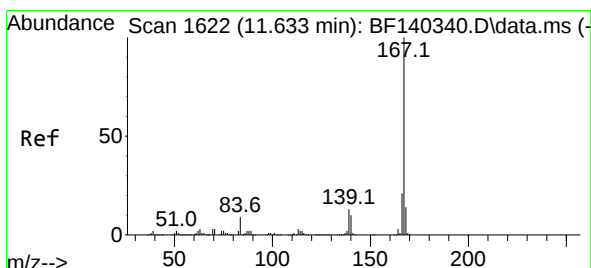
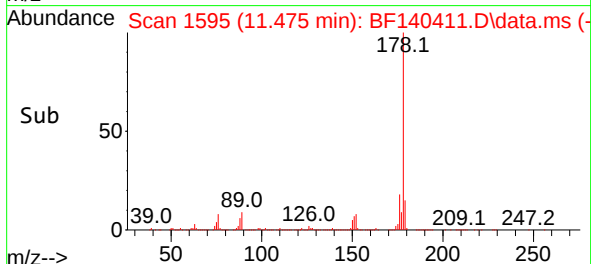
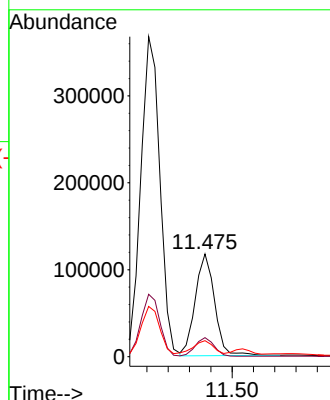
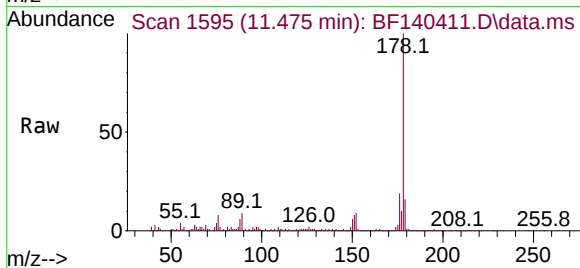
Tgt Ion:178	Resp: 14752
Ion Ratio	Lower Upper
178 100	
176 18.5	15.4 23.0
179 15.5	12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/18/2024

Supervised By :mohammad ahmed 11/18/2024



#73

Carbazole

Concen: 2.181 ng

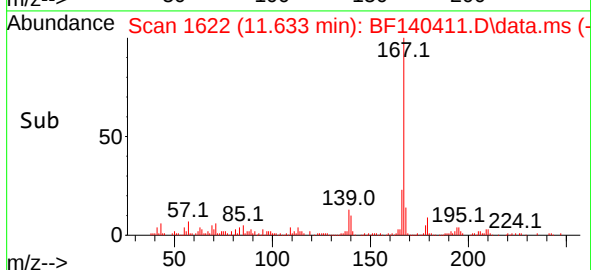
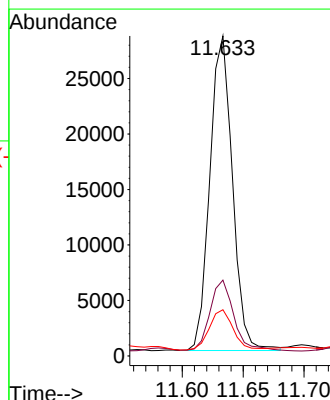
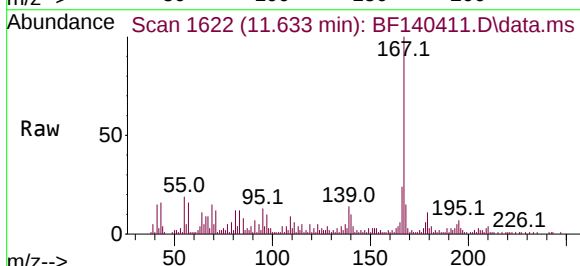
RT: 11.633 min Scan# 1622

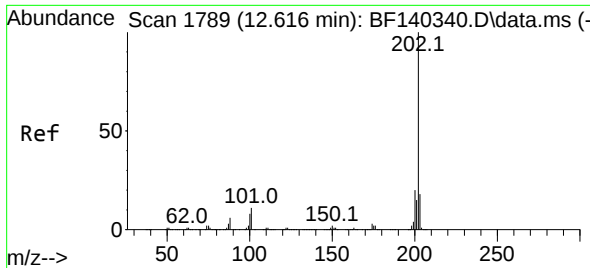
Delta R.T. -0.000 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

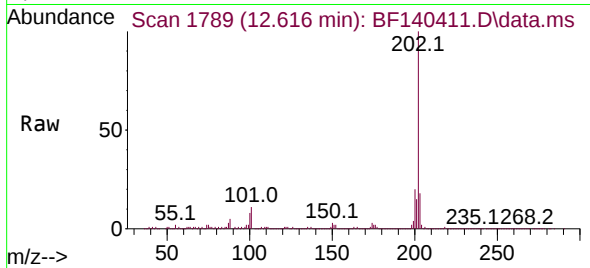
Tgt Ion:167	Resp: 36636
Ion Ratio	Lower Upper
167 100	
166 23.7	17.2 25.8
139 14.5	10.4 15.6





#75
Fluoranthene
Concen: 39.634 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

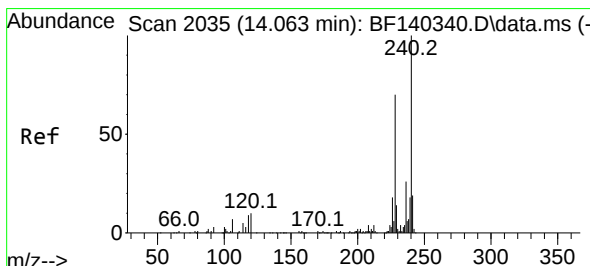
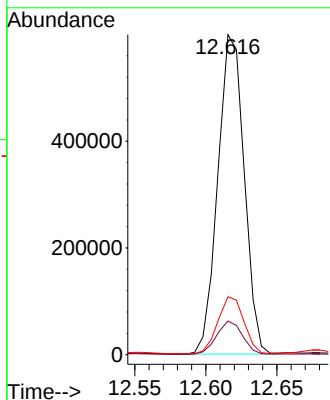
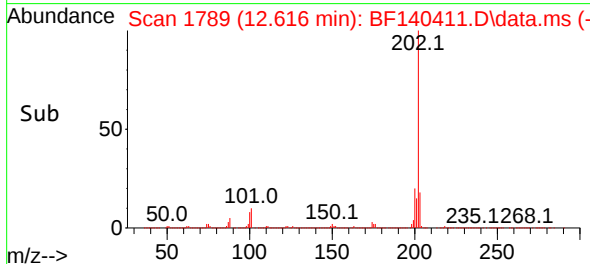
Instrument :
BNA_F
ClientSampleId :
MH-6DL



Tgt Ion:202 Resp: 77199
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.7
203 18.1 0.0 37.7

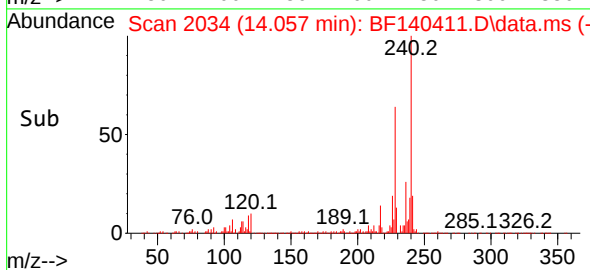
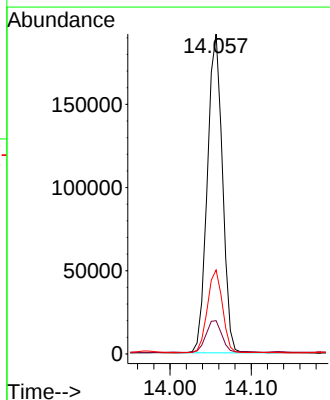
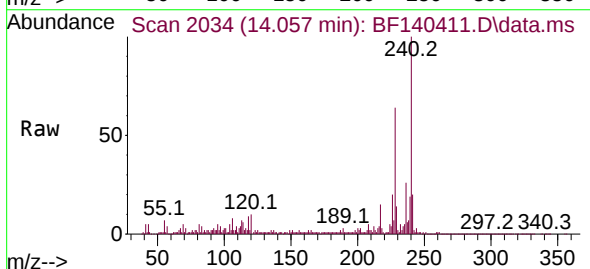
Manual Integrations
APPROVED

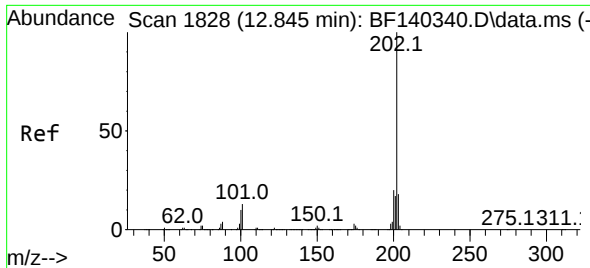
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:240 Resp: 246923
Ion Ratio Lower Upper
240 100
120 10.4 8.8 13.2
236 26.2 20.9 31.3





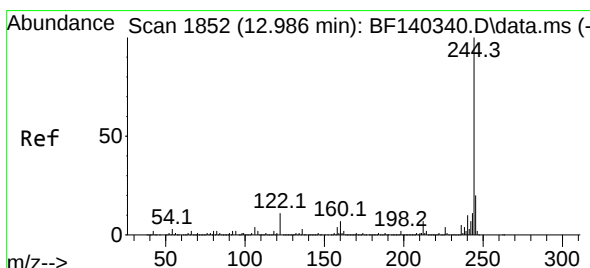
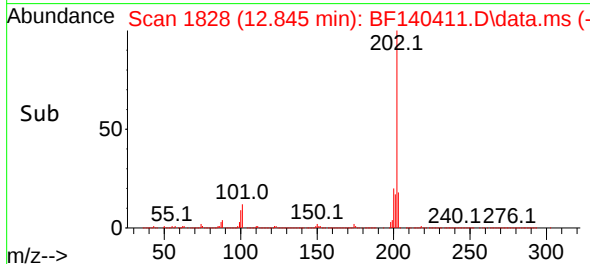
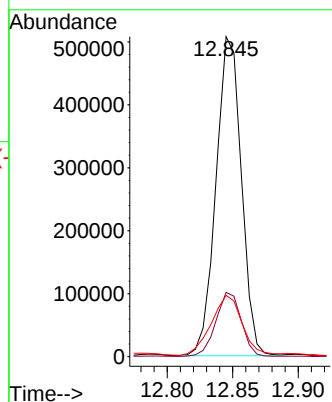
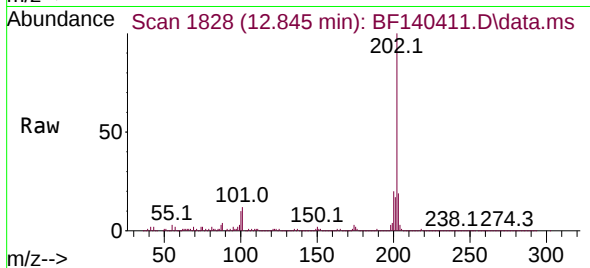
#78
Pyrene
Concen: 32.262 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Instrument :
BNA_F
ClientSampleId :
MH-6DL

Tgt Ion:202 Resp: 68140
Ion Ratio Lower Upper
202 100
200 20.1 16.2 24.2
203 19.1 14.2 21.4

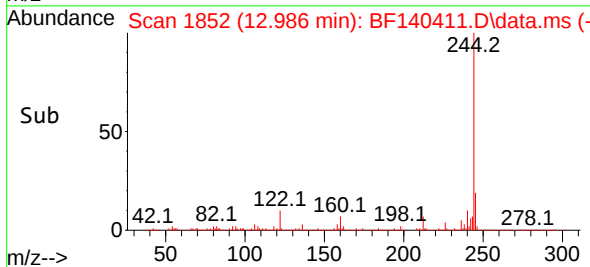
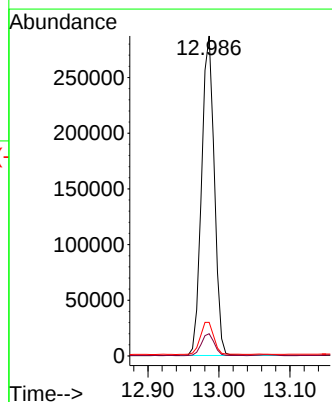
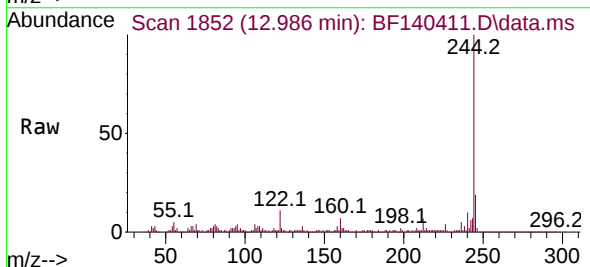
Manual Integrations
APPROVED

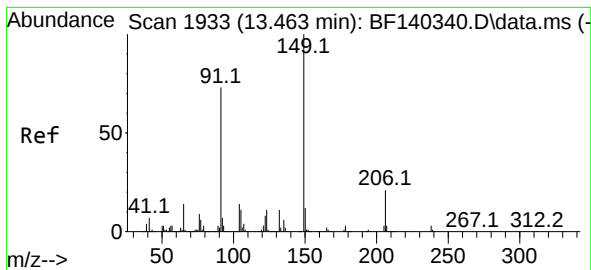
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#79
Terphenyl-d14
Concen: 25.208 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:244 Resp: 358592
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 10.5 8.8 13.2





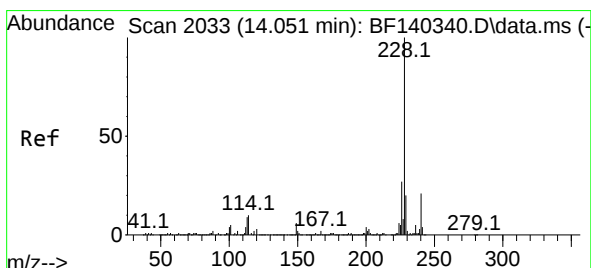
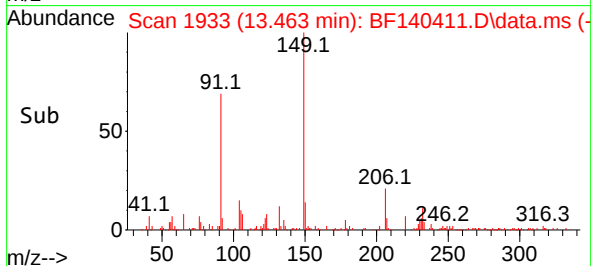
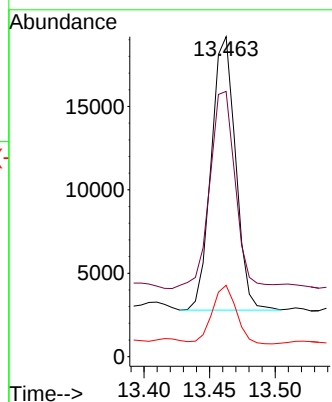
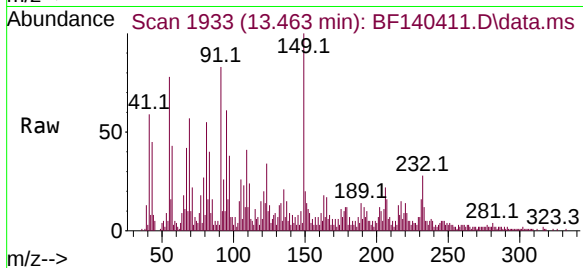
#80
Butylbenzylphthalate
Concen: 2.609 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Instrument :
BNA_F
ClientSampleId :
MH-6DL

Tgt Ion:149 Resp: 21160
Ion Ratio Lower Upper
149 100
91 82.9 61.0 91.4
206 22.3 16.1 24.1

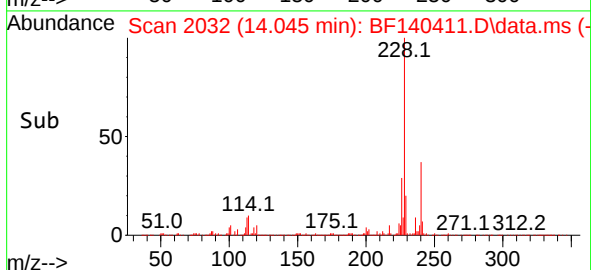
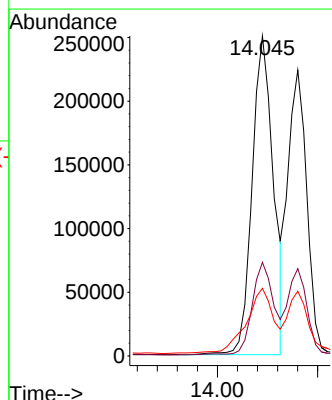
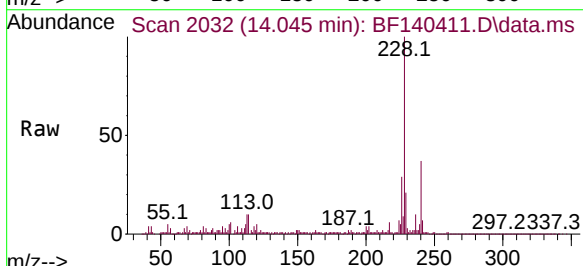
Manual Integrations
APPROVED

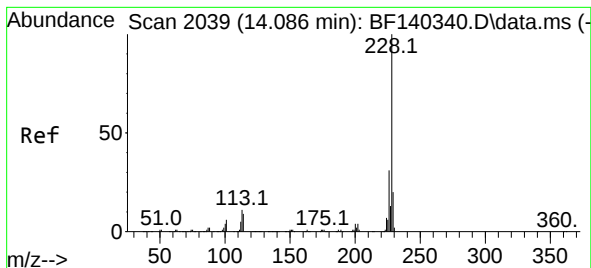
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#81
Benzo(a)anthracene
Concen: 22.686 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:228 Resp: 368162
Ion Ratio Lower Upper
228 100
226 29.3 22.2 33.4
229 21.2 15.8 23.6





#83

Chrysene

Concen: 19.706 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.000 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

Instrument :

BNA_F

ClientSampleId :

MH-6DL

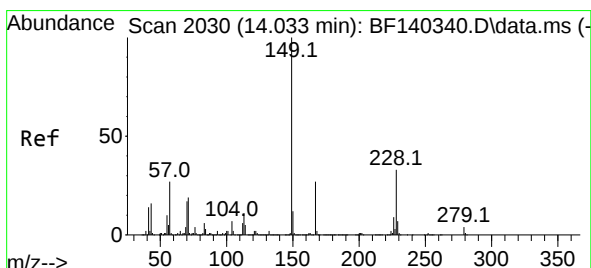
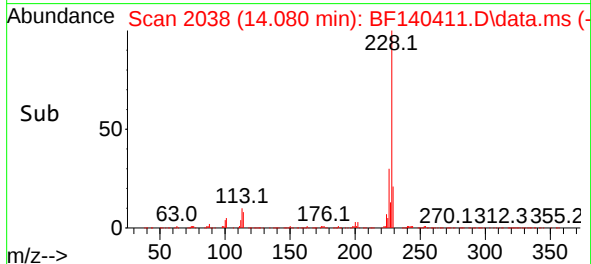
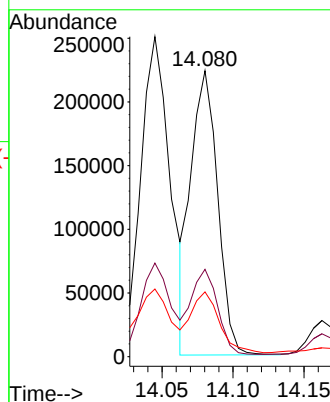
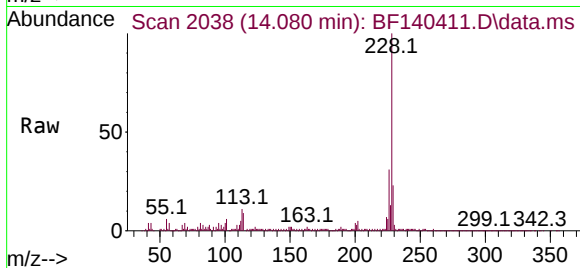
Tgt Ion:228 Resp: 291794
 Ion Ratio Lower Upper
 228 100
 226 30.5 24.5 36.7
 229 22.7 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/18/2024

Supervised By :mohammad ahmed 11/18/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.220 ng

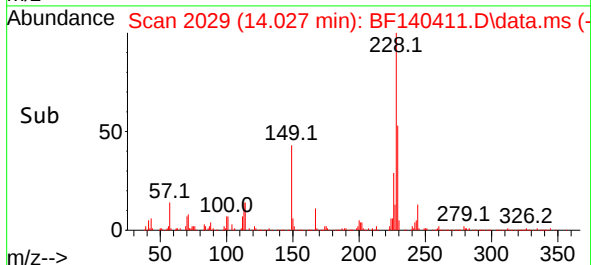
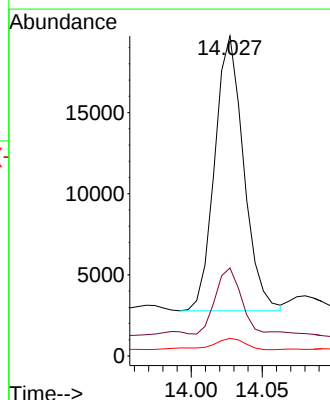
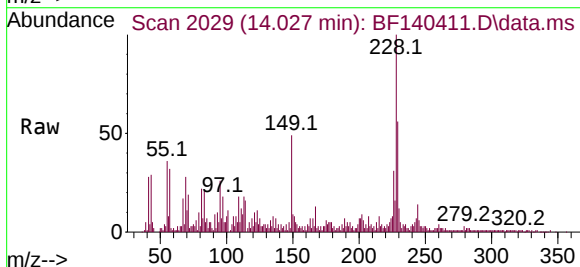
RT: 14.027 min Scan# 2029

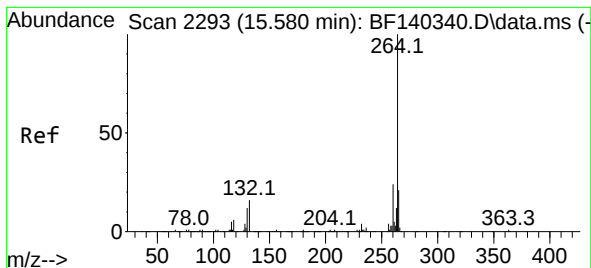
Delta R.T. 0.006 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

Tgt Ion:149 Resp: 24043
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.4 32.0
 279 5.5 3.0 4.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Instrument :

BNA_F

ClientSampleId :

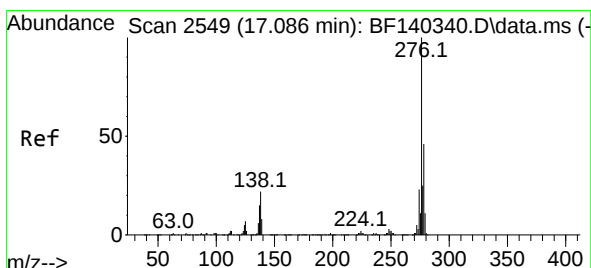
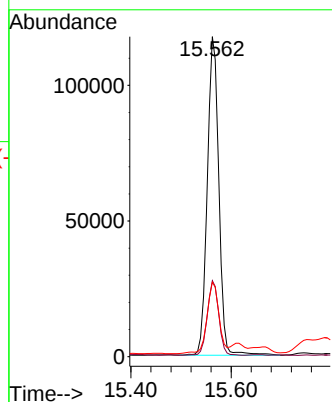
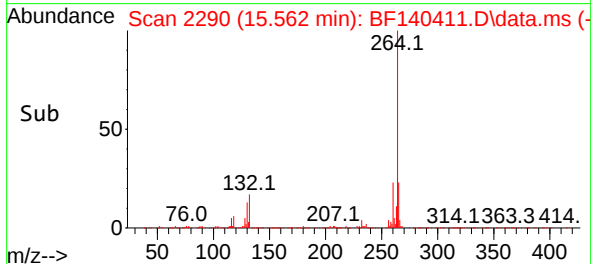
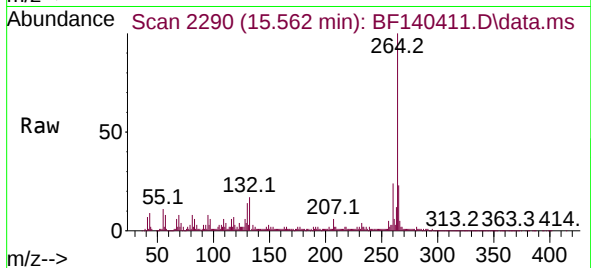
MH-6DL

Tgt Ion:264 Resp: 188000
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 23.3 17.1 25.7

Manual Integrations

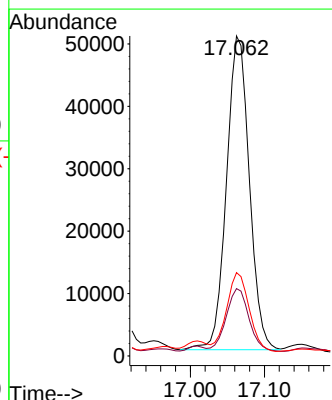
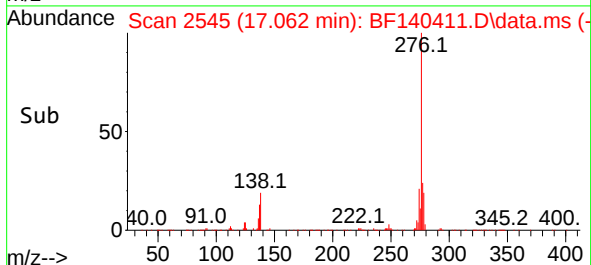
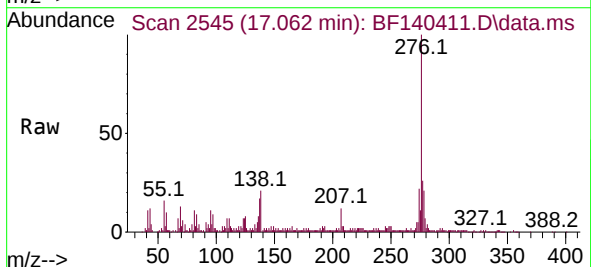
APPROVED

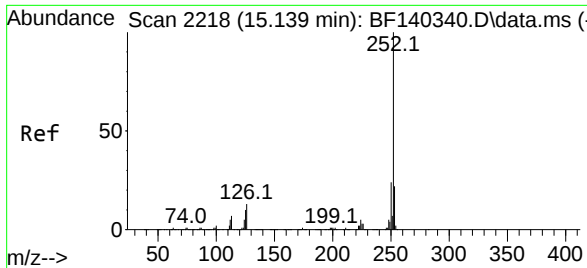
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.275 ng
RT: 17.062 min Scan# 2545
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:276 Resp: 107712
Ion Ratio Lower Upper
276 100
138 19.9 18.8 28.2
277 24.7 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 26.097 ng m
RT: 15.127 min Scan# 2216
Delta R.T. 0.012 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Instrument :

BNA_F

ClientSampleId :

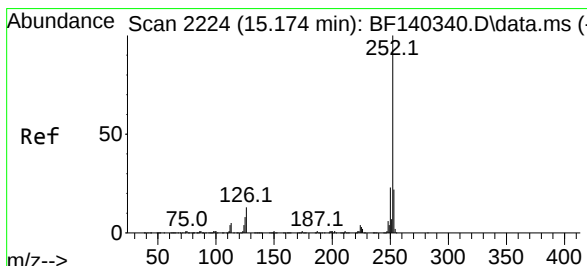
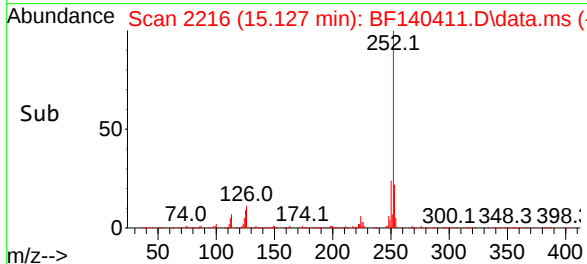
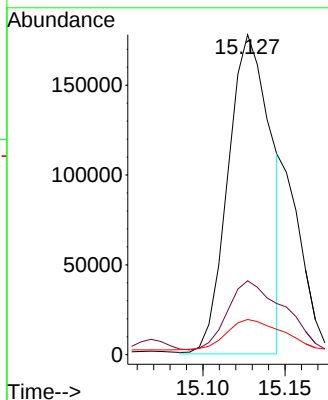
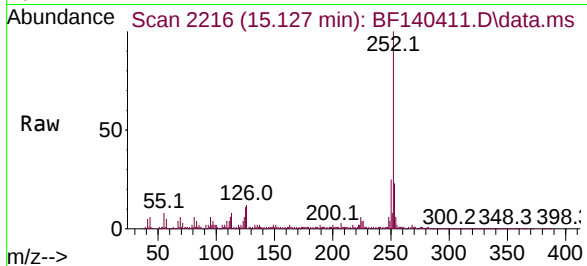
MH-6DL

Tgt Ion:252 Resp: 320949
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 11.0 8.0 12.0

Manual Integrations

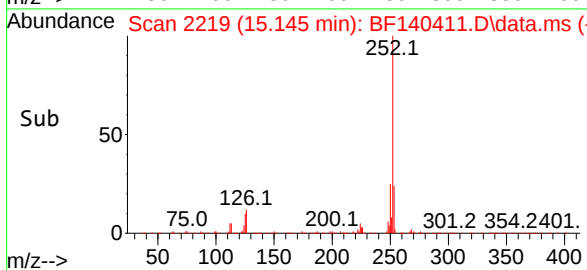
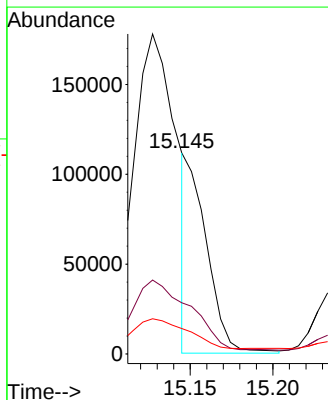
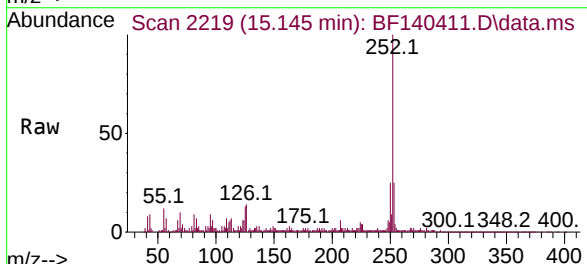
APPROVED

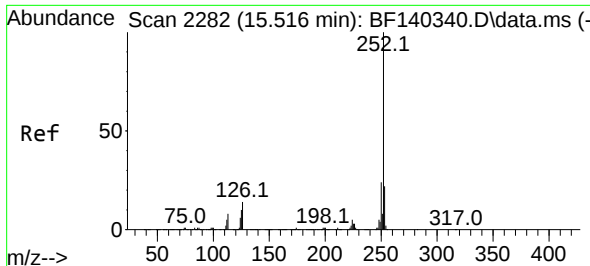
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#89
Benzo(k)fluoranthene
Concen: 9.171 ng m
RT: 15.145 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:252 Resp: 92135
Ion Ratio Lower Upper
252 100
253 25.5 17.3 25.9
125 12.7 7.4 11.2#





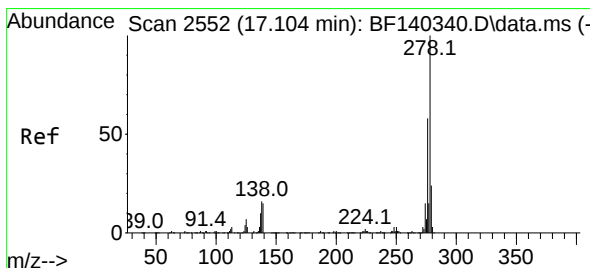
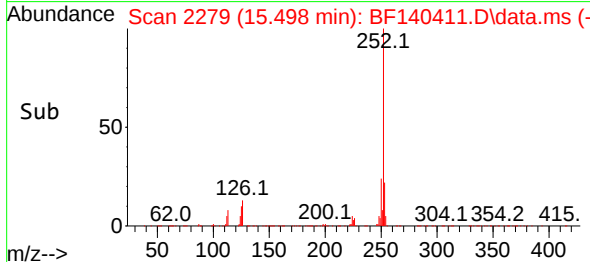
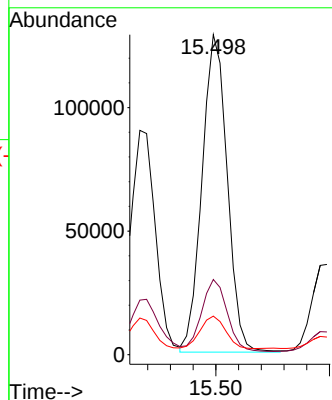
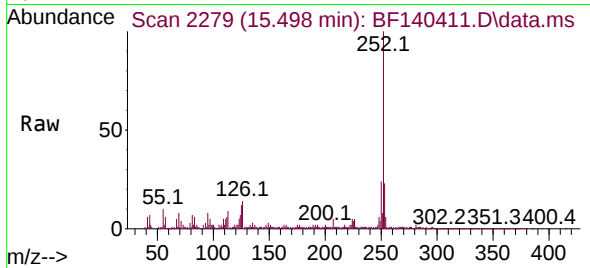
#90
Benzo(a)pyrene
Concen: 20.730 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Instrument :
BNA_F
ClientSampleId :
MH-6DL

Tgt Ion:252 Resp: 197979
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 12.1 8.4 12.6

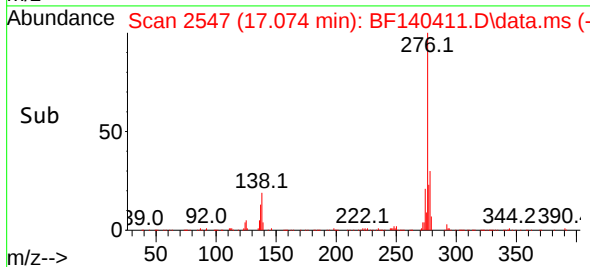
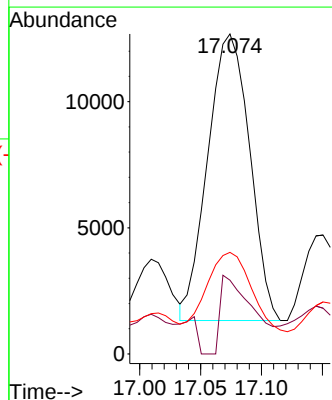
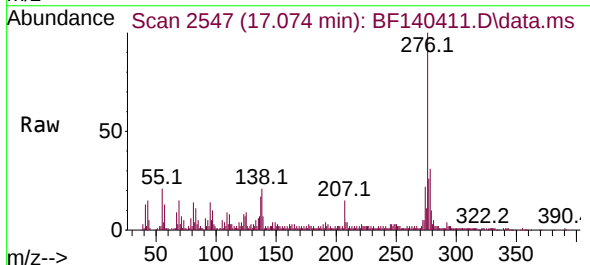
Manual Integrations
APPROVED

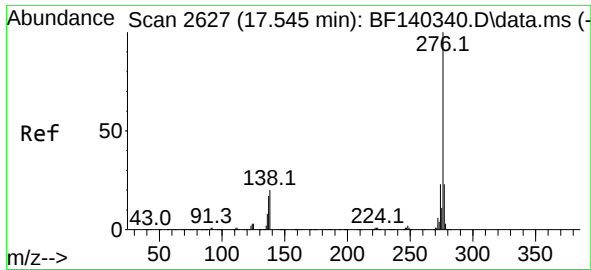
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#91
Dibenzo(a,h)anthracene
Concen: 2.830 ng
RT: 17.074 min Scan# 2547
Delta R.T. -0.000 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

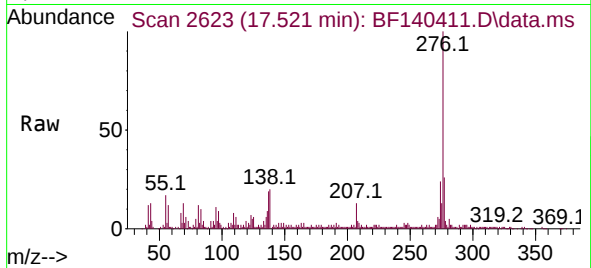
Tgt Ion:278 Resp: 27170
Ion Ratio Lower Upper
278 100
139 23.1 11.8 17.8#
279 31.7 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 10.432 ng
RT: 17.521 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Instrument :
BNA_F
ClientSampleId :
MH-6DL



Tgt Ion:276 Resp: 102370
Ion Ratio Lower Upper
276 100
277 25.7 18.6 28.0
138 20.5 16.0 24.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

