

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140123.D
 Acq On : 29 Oct 2024 20:21
 Operator : RC/JU
 Sample : P4597-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RED-1-1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024

Quant Time: Oct 30 01:04:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	125217	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	481788	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	246693	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	351887	20.000	ng	0.00
76) Chrysene-d12	14.057	240	238166	20.000	ng	0.00
86) Perylene-d12	15.563	264	239712	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	670851	83.871	ng	0.01
7) Phenol-d6	6.510	99	857324	82.758	ng	0.00
23) Nitrobenzene-d5	7.445	82	578487	66.548	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	178234	77.242	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1021243	68.417	ng	0.00
79) Terphenyl-d14	12.998	244	750336	51.336	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	295442	17.775	ng	99
73) Carbazole	11.639	167	44795	2.970	ng	100
75) Fluoranthene	12.627	202	696043	41.423	ng	99
78) Pyrene	12.857	202	575339	27.598	ng	99
81) Benzo(a)anthracene	14.051	228	238386	15.376	ng	94
83) Chrysene	14.086	228	406803	28.618	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	43896	6.260	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.062	276	188583m	12.229	ng	
88) Benzo(b)fluoranthene	15.127	252	503673m	34.493	ng	
89) Benzo(k)fluoranthene	15.139	252	239534m	19.021	ng	
90) Benzo(a)pyrene	15.498	252	265816	22.123	ng	97
91) Dibenzo(a,h)anthracene	17.074	278	41091	3.194	ng	97
92) Benzo(g,h,i)perylene	17.515	276	165684	12.893	ng	100

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

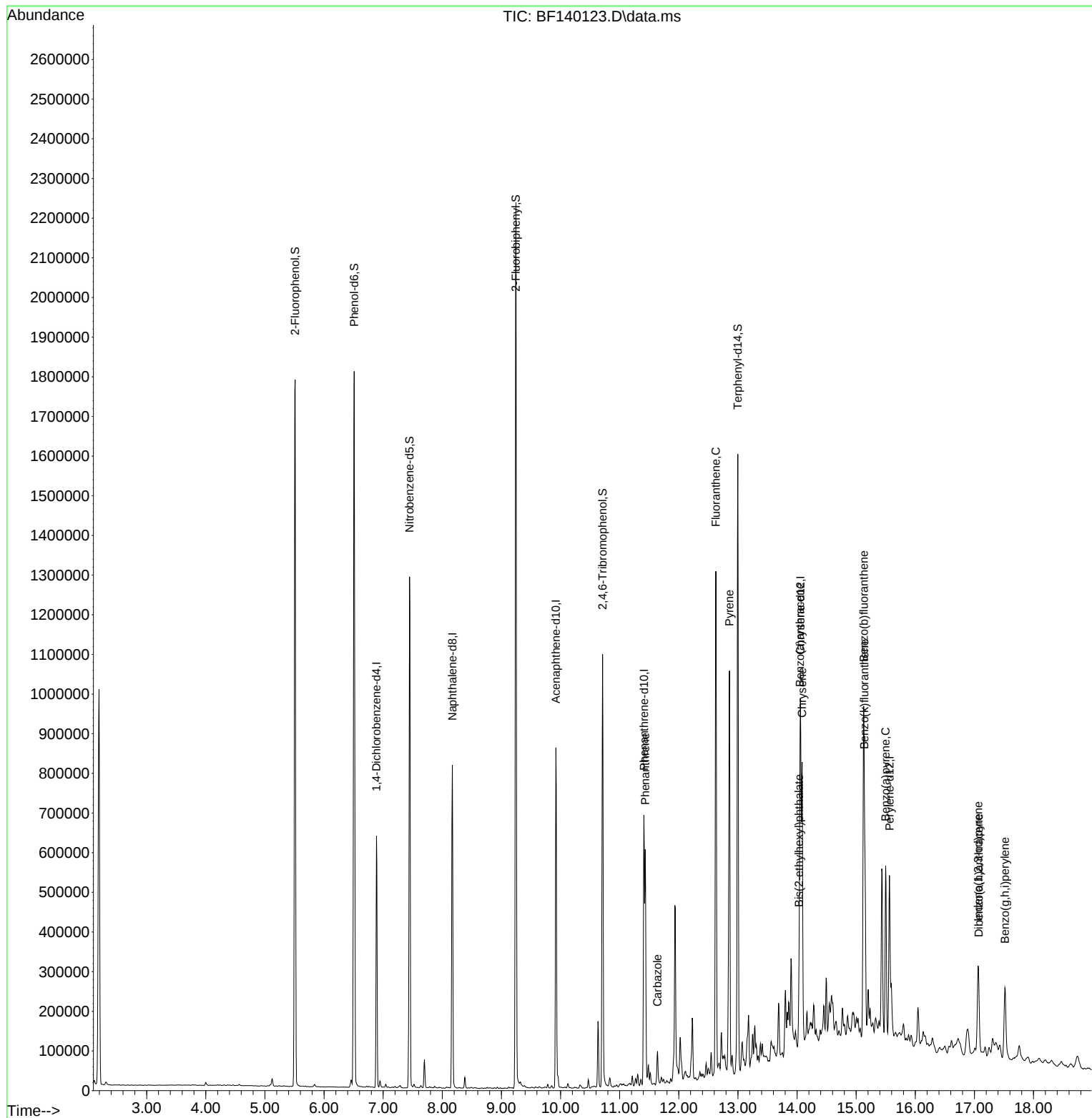
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
Data File : BF140123.D
Acq On : 29 Oct 2024 20:21
Operator : RC/JU
Sample : P4597-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

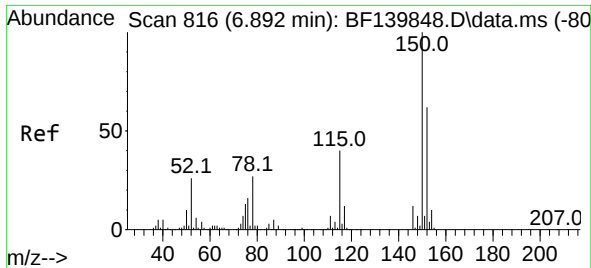
Instrument :
BNA_F
ClientSampleId :
RED-1-1

Quant Time: Oct 30 01:04:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

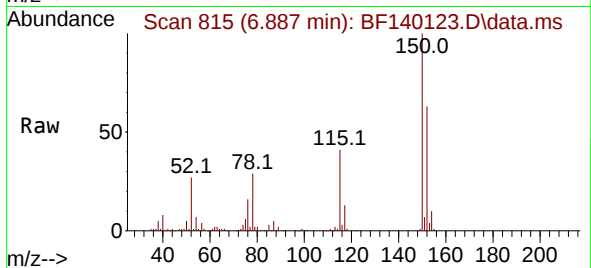
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

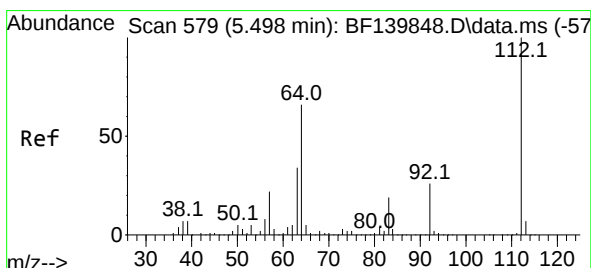
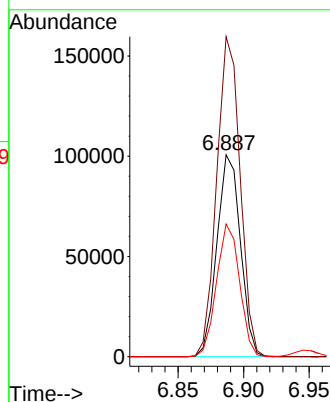
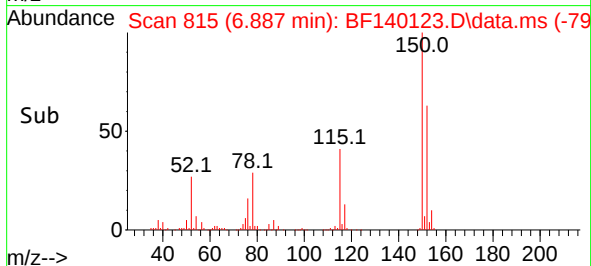
Instrument :
BNA_F
ClientSampleId :
RED-1-1



Tgt Ion:152 Resp: 12521
Ion Ratio Lower Upper
152 100
150 158.5 130.2 195.2
115 65.7 51.4 77.2

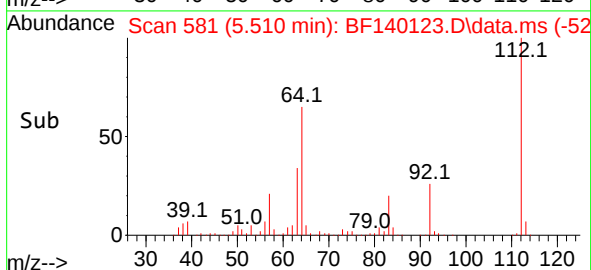
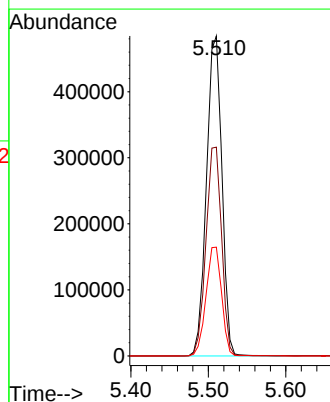
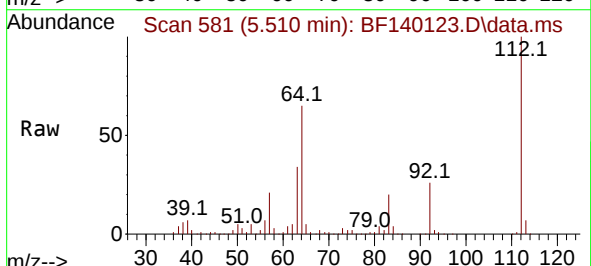
Manual Integrations
APPROVED

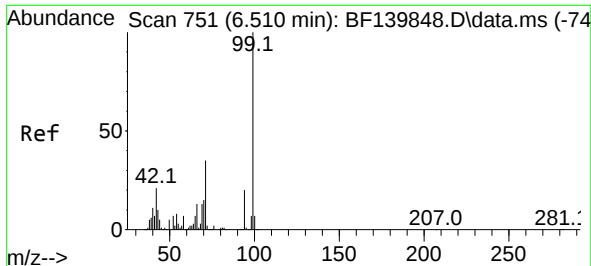
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#5
2-Fluorophenol
Concen: 83.871 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

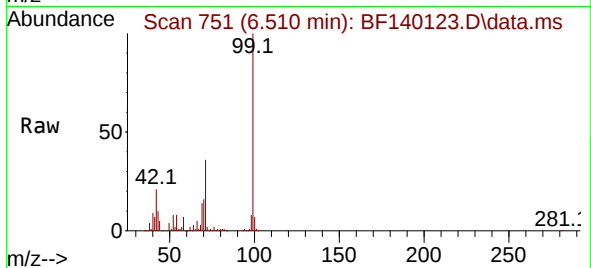
Tgt Ion:112 Resp: 670851
Ion Ratio Lower Upper
112 100
64 65.3 53.0 79.6
63 34.0 27.0 40.4





#7
Phenol-d6
Concen: 82.758 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

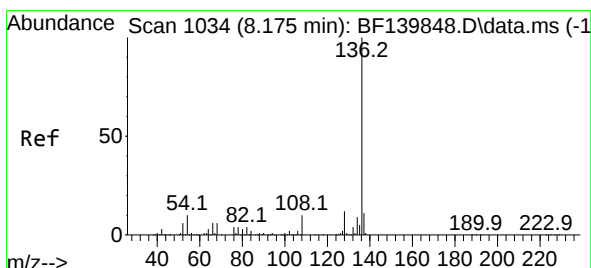
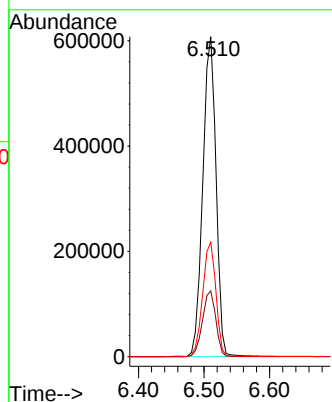
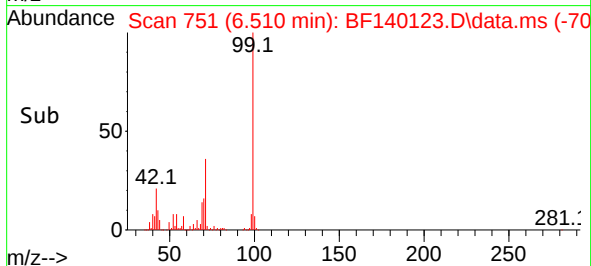
Instrument :
BNA_F
ClientSampleId :
RED-1-1



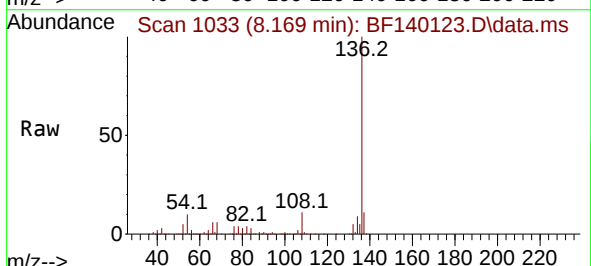
Tgt Ion: 99 Resp: 857324
Ion Ratio Lower Upper
99 100
42 20.6 16.7 25.1
71 35.8 27.7 41.5

Manual Integrations
APPROVED

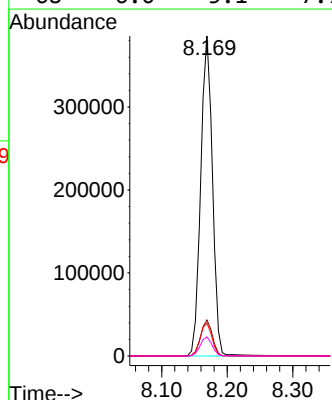
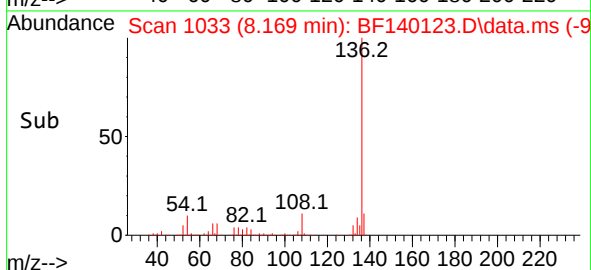
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

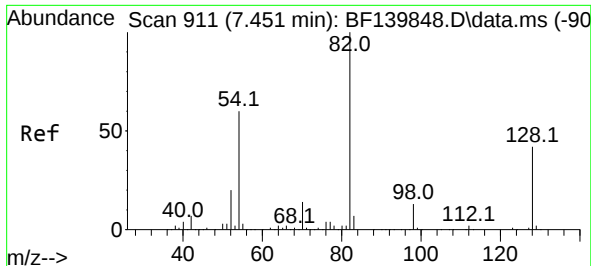


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21



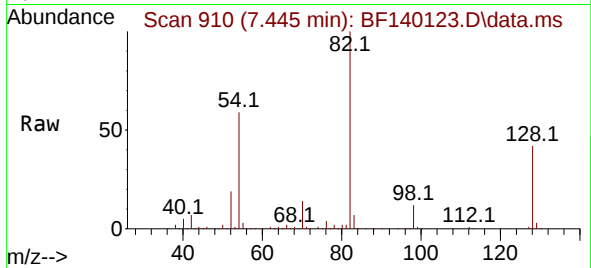
Tgt Ion:136 Resp: 481788
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 10.3 8.4 12.6
68 6.0 5.1 7.7





#23
Nitrobenzene-d5
Concen: 66.548 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

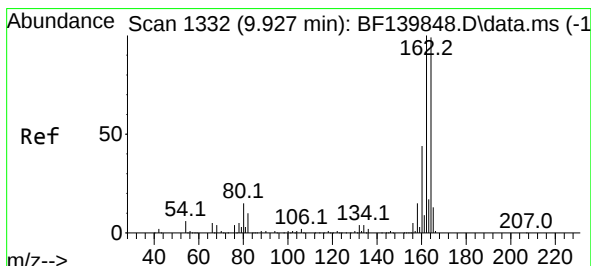
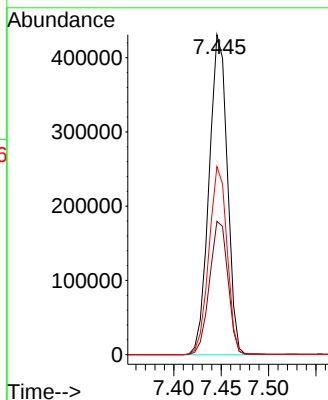
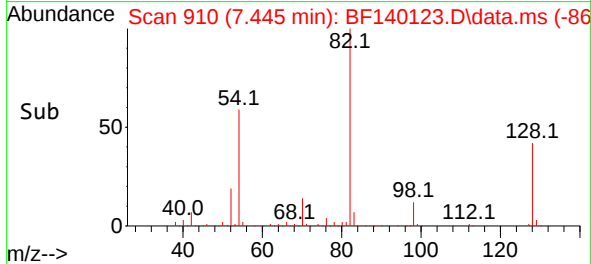
Instrument :
BNA_F
ClientSampleId :
RED-1-1



Tgt Ion: 82 Resp: 57848
Ion Ratio Lower Upper
82 100
128 41.6 33.4 50.0
54 58.8 47.8 71.8

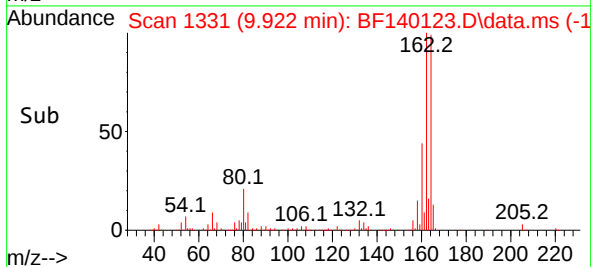
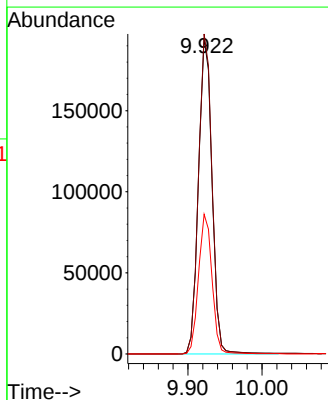
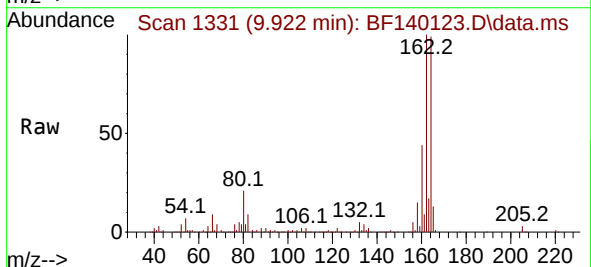
Manual Integrations
APPROVED

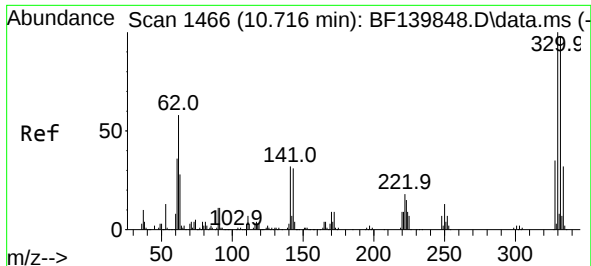
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

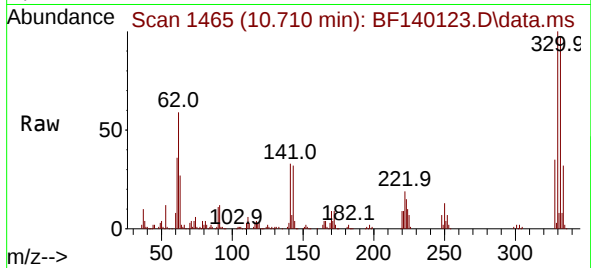
Tgt Ion:164 Resp: 246693
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 44.2 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 77.242 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

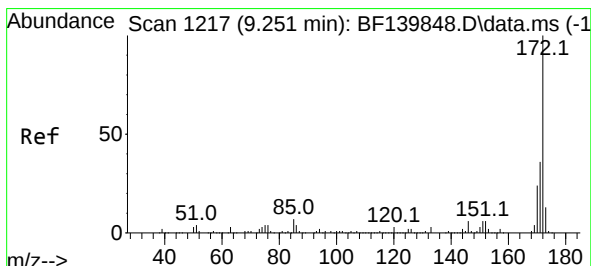
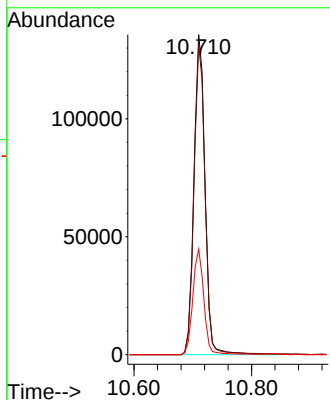
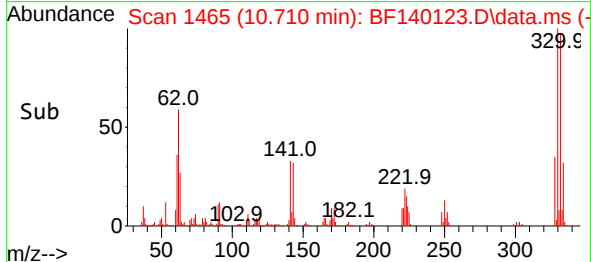
Instrument :
BNA_F
ClientSampleId :
RED-1-1



Tgt Ion: 330 Resp: 178234
Ion Ratio Lower Upper
330 100
332 96.6 78.1 117.1
141 33.0 26.6 39.8

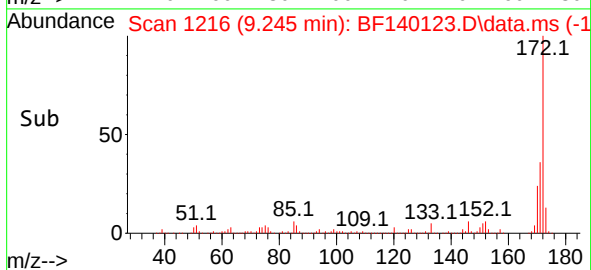
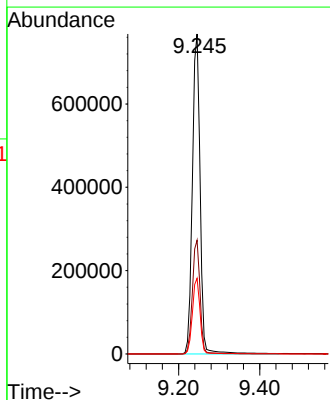
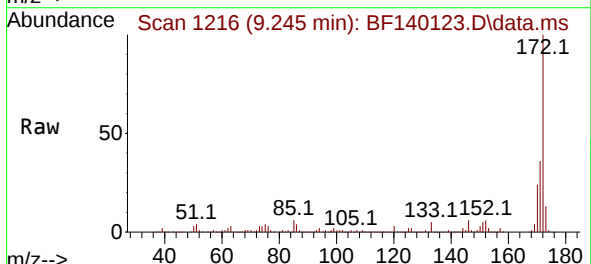
Manual Integrations
APPROVED

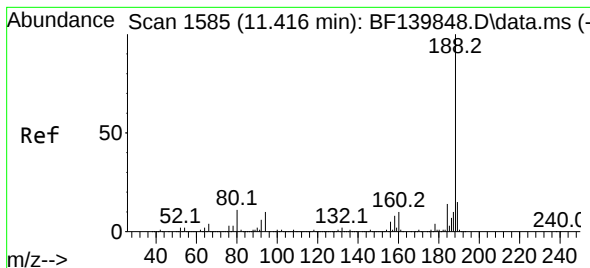
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#45
2-Fluorobiphenyl
Concen: 68.417 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

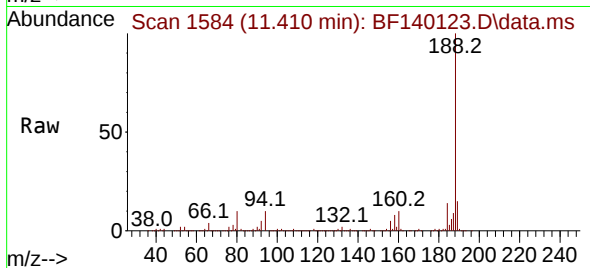
Tgt Ion: 172 Resp: 1021243
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.7 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

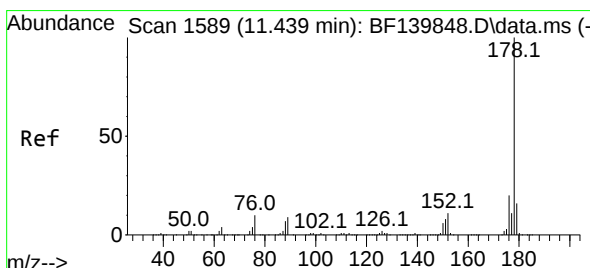
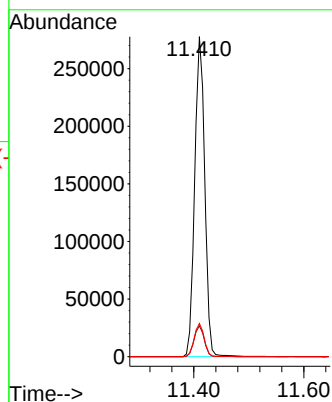
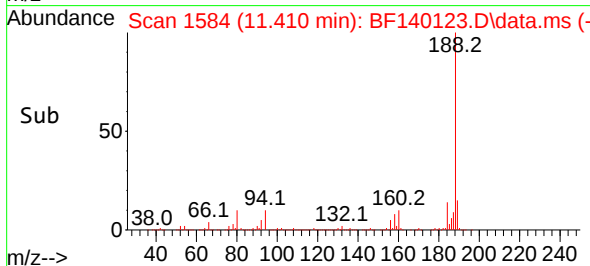
Instrument :
BNA_F
ClientSampleId :
RED-1-1



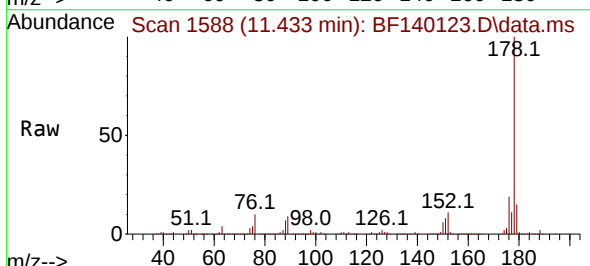
Tgt Ion:188 Resp: 35188
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.4 9.0 13.4

Manual Integrations
APPROVED

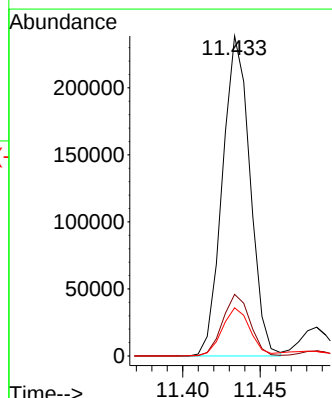
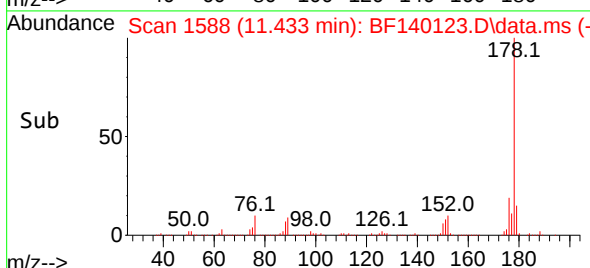
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

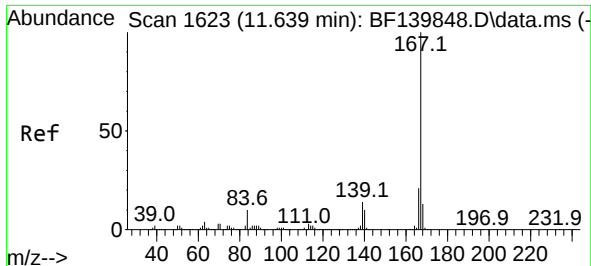


#71
Phenanthrene
Concen: 17.775 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21



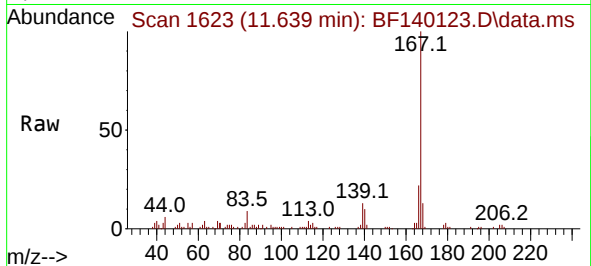
Tgt Ion:178 Resp: 295442
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.1 12.6 18.8





#73
 Carbazole
 Concen: 2.970 ng
 RT: 11.639 min Scan# 1623
 Delta R.T. 0.000 min
 Lab File: BF140123.D
 Acq: 29 Oct 2024 20:21

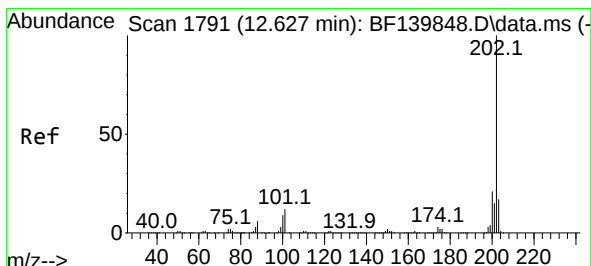
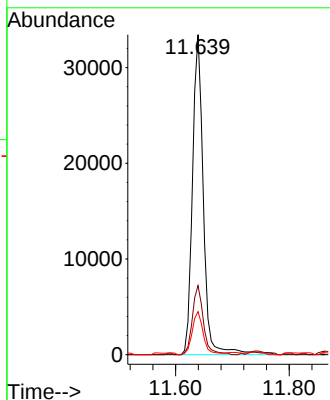
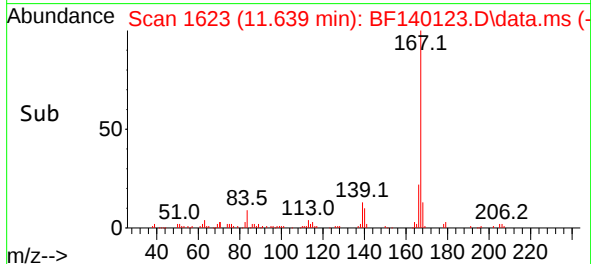
Instrument :
 BNA_F
 ClientSampleId :
 RED-1-1



Tgt Ion:167 Resp: 44795
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.6
 139 13.4 10.8 16.2

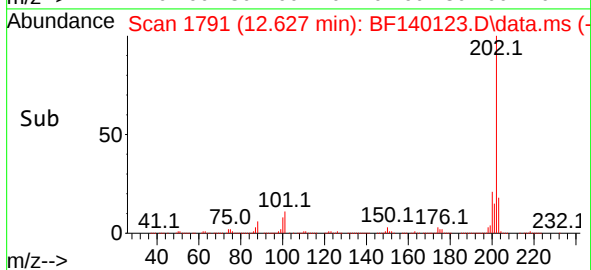
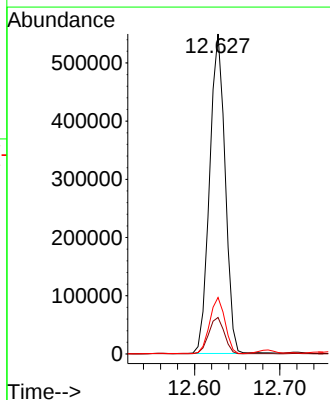
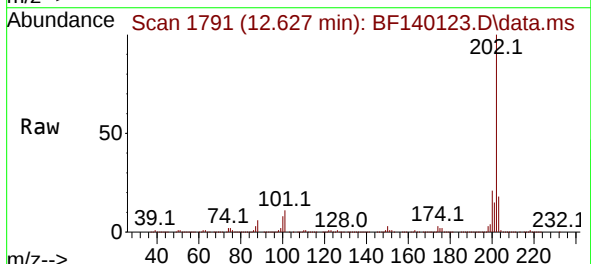
Manual Integrations
 APPROVED

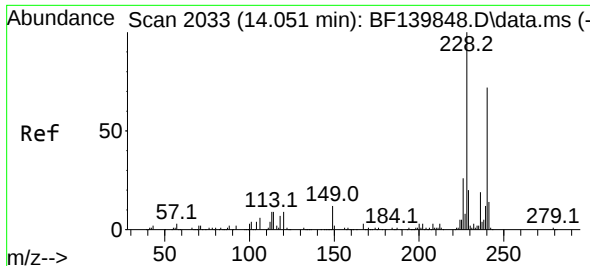
Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024



#75
 Fluoranthene
 Concen: 41.423 ng
 RT: 12.627 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: BF140123.D
 Acq: 29 Oct 2024 20:21

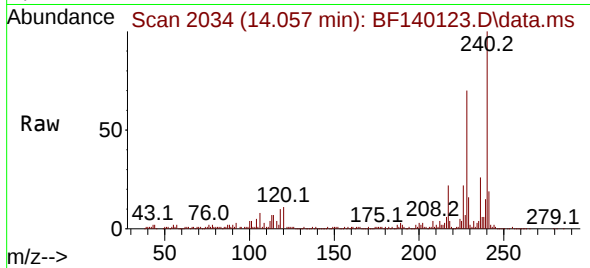
Tgt Ion:202 Resp: 696043
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 31.9
 203 17.6 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

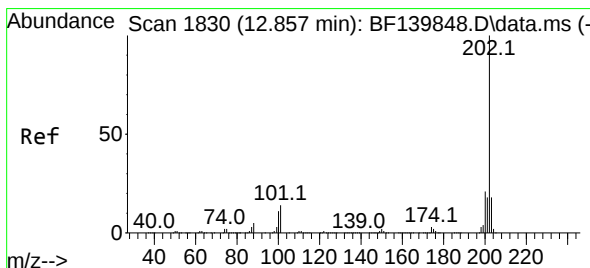
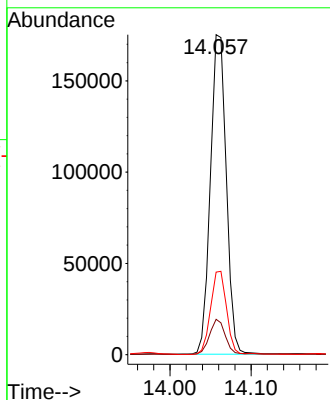
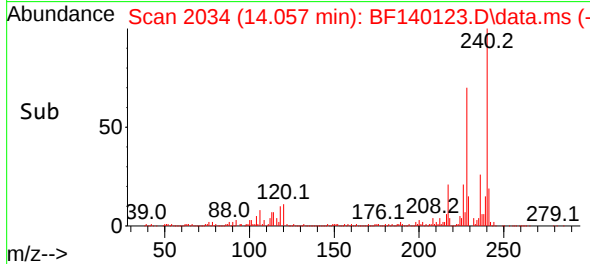
Instrument :
BNA_F
ClientSampleId :
RED-1-1



Tgt Ion:240 Resp: 238160
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 25.8 20.9 31.3

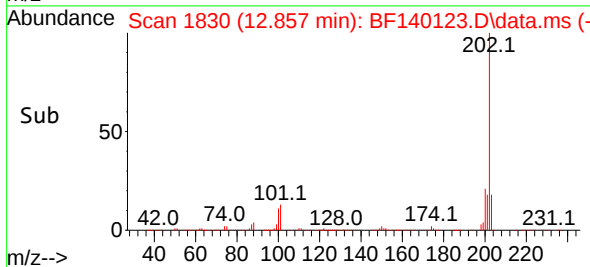
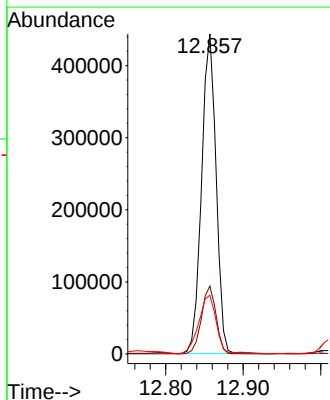
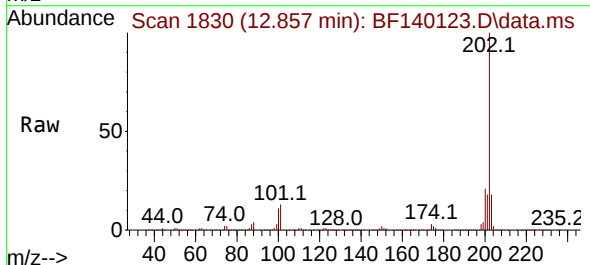
Manual Integrations
APPROVED

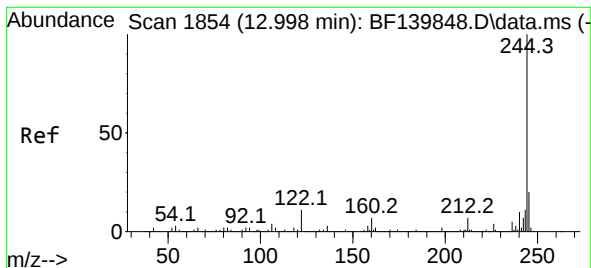
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#78
Pyrene
Concen: 27.598 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

Tgt Ion:202 Resp: 575339
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 18.3 14.2 21.4





#79

Terphenyl-d14

Concen: 51.336 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140123.D

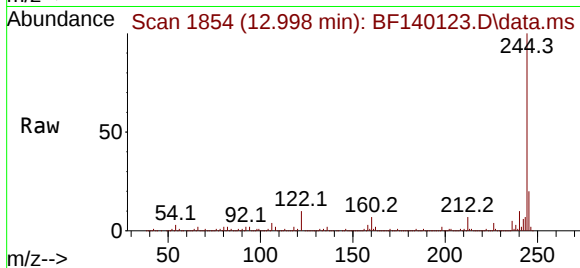
Acq: 29 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

RED-1-1



Tgt Ion:244 Resp: 750330

Ion Ratio Lower Upper

244 100

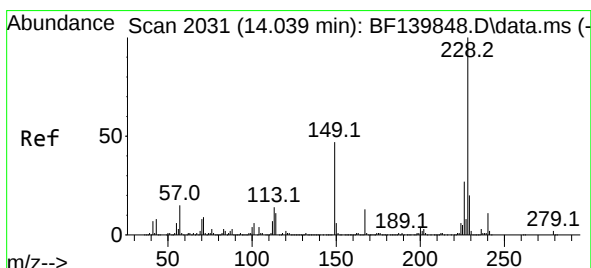
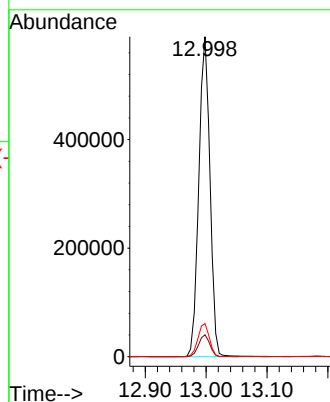
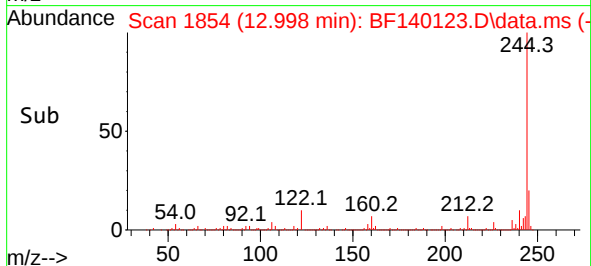
212 6.9 5.7 8.5

122 10.4 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#81

Benzo(a)anthracene

Concen: 15.376 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.012 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

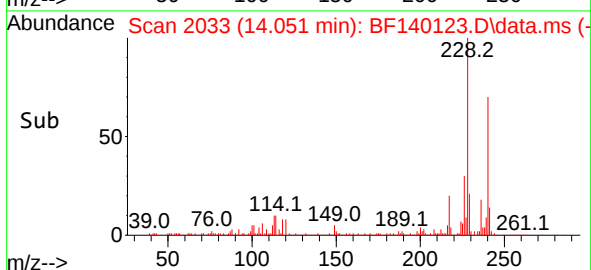
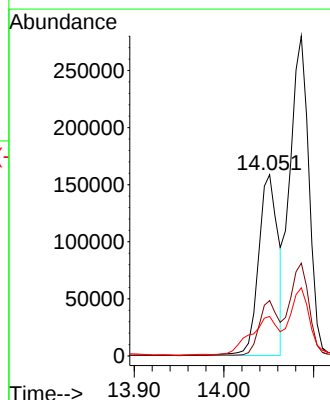
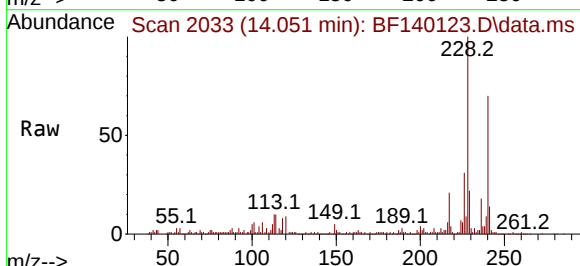
Tgt Ion:228 Resp: 238386

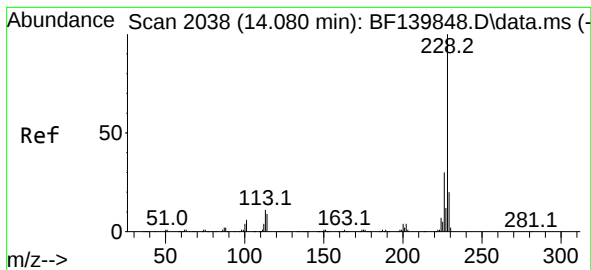
Ion Ratio Lower Upper

228 100

226 30.5 21.6 32.4

229 21.8 16.1 24.1





#83

Chrysene

Concen: 28.618 ng

RT: 14.086 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

RED-1-1

Tgt Ion:228 Resp: 40680

Ion Ratio Lower Upper

228 100

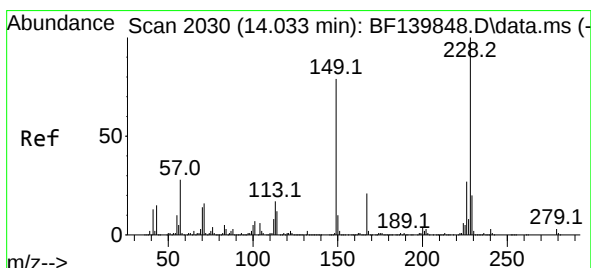
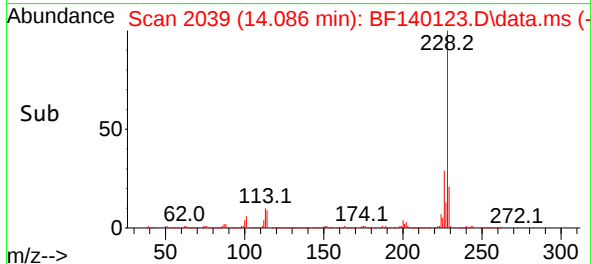
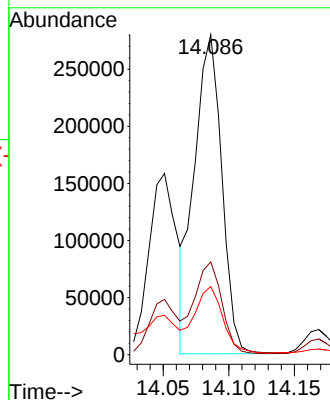
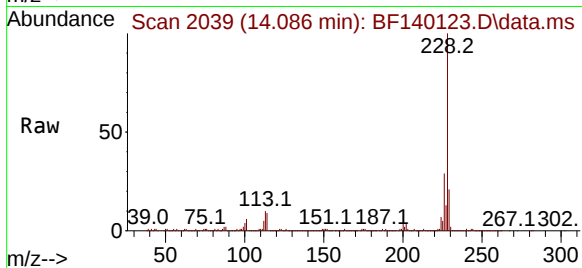
226 29.0 24.1 36.1

229 21.3 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.260 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

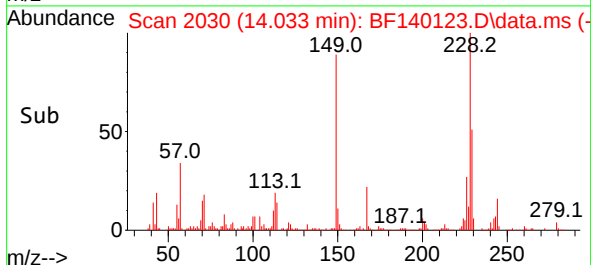
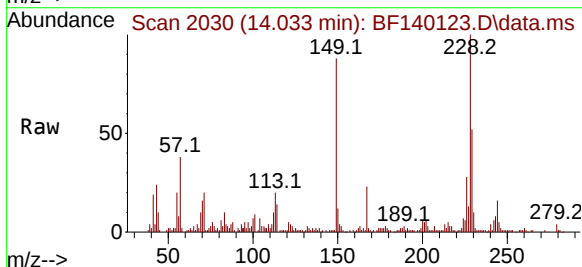
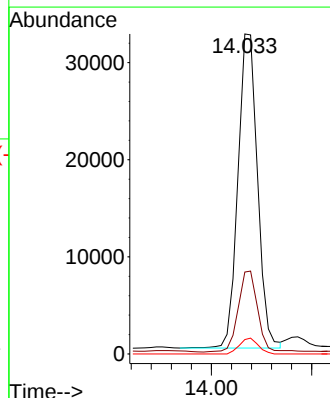
Tgt Ion:149 Resp: 43896

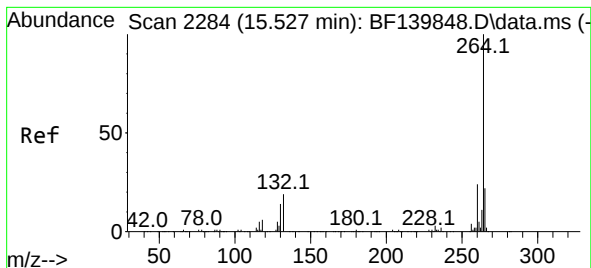
Ion Ratio Lower Upper

149 100

167 25.6 21.4 32.0

279 4.5 3.0 4.4#





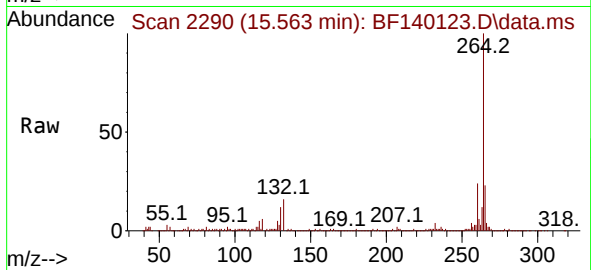
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 21
Delta R.T. 0.036 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

Instrument :

BNF

ClientSampleId :

RED-1-1

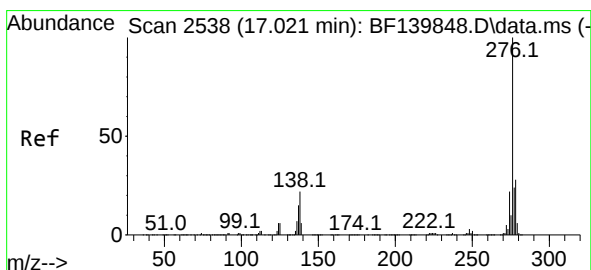
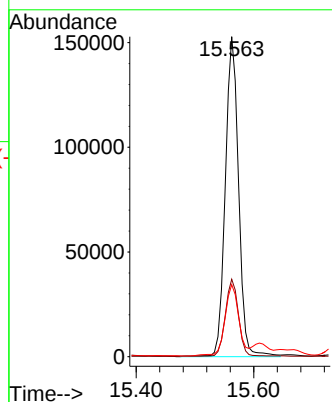
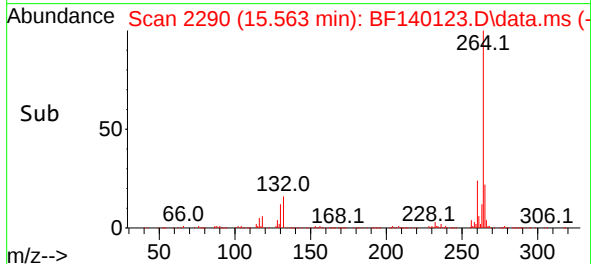


Tgt Ion:264 Resp: 23971
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 22.5 17.4 26.0

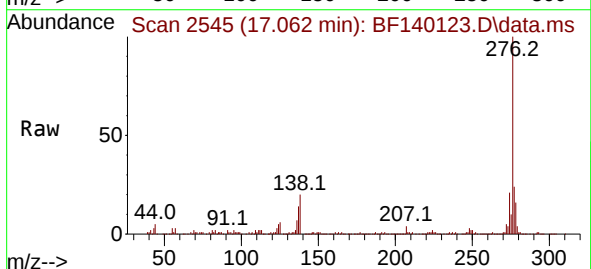
Manual Integrations

APPROVED

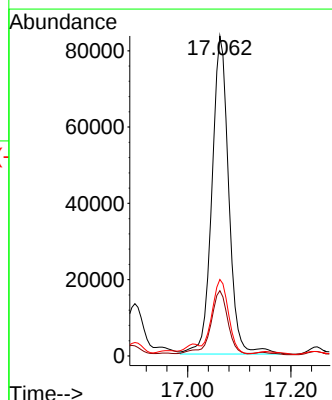
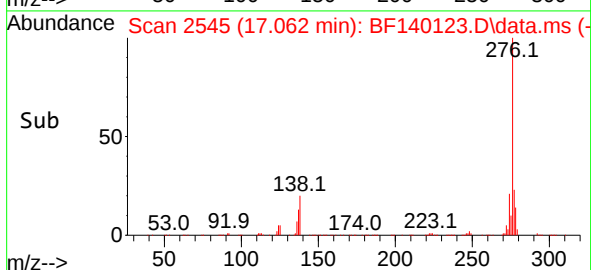
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

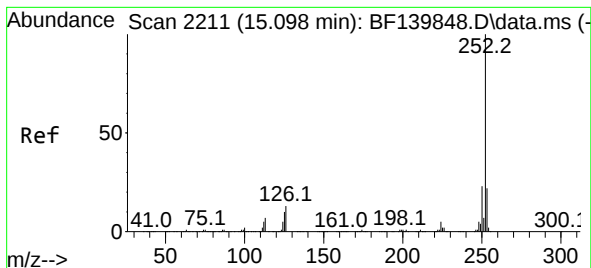


#87
Indeno(1,2,3-cd)pyrene
Concen: 12.229 ng m
RT: 17.062 min Scan# 2545
Delta R.T. 0.041 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21



Tgt Ion:276 Resp: 188583
Ion Ratio Lower Upper
276 100
138 3.7 20.4 30.6#
277 3.9 20.2 30.4#





#88

Benzo(b)fluoranthene

Concen: 34.493 ng m

RT: 15.127 min Scan# 2211

Delta R.T. 0.030 min

Lab File: BF140123.D

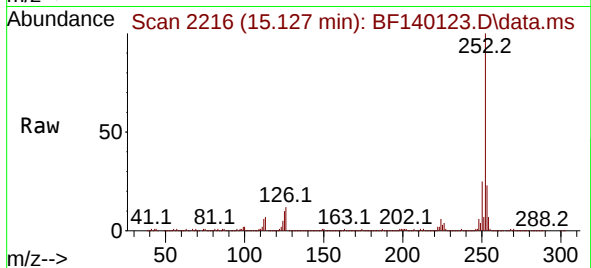
Acq: 29 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

RED-1-1



Tgt Ion:252 Resp: 50367

Ion Ratio Lower Upper

252 100

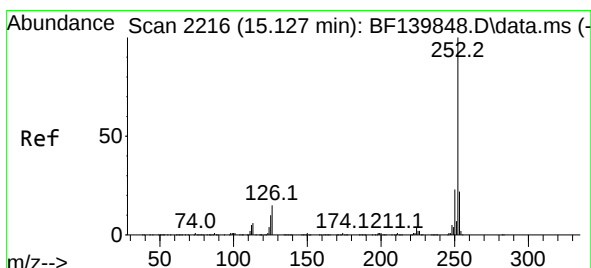
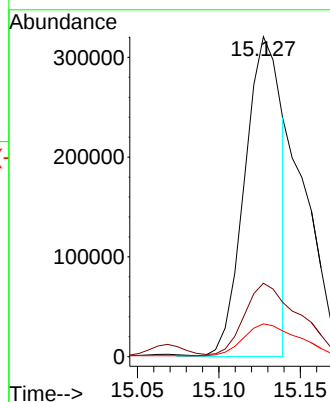
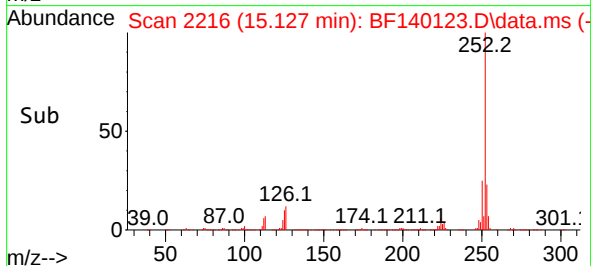
253 23.0 17.6 26.4

125 10.2 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#89

Benzo(k)fluoranthene

Concen: 19.021 ng m

RT: 15.139 min Scan# 2218

Delta R.T. 0.012 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

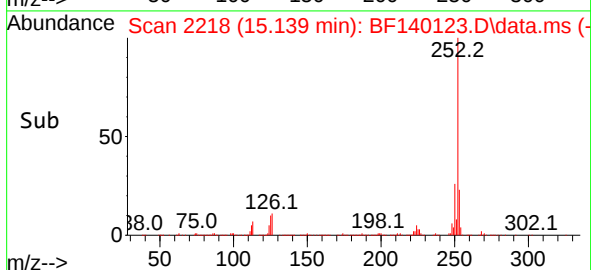
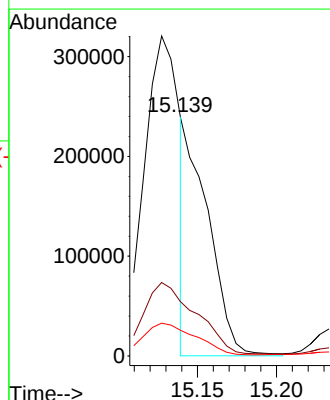
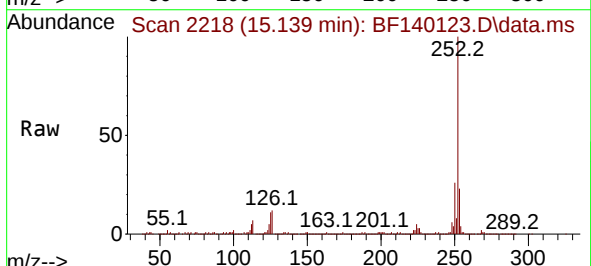
Tgt Ion:252 Resp: 239534

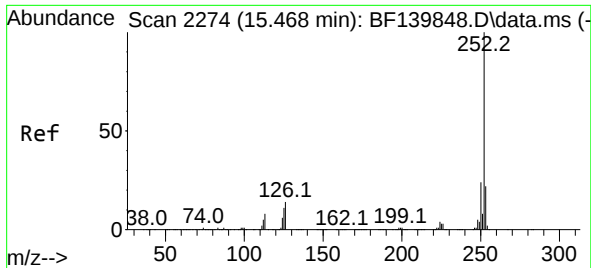
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

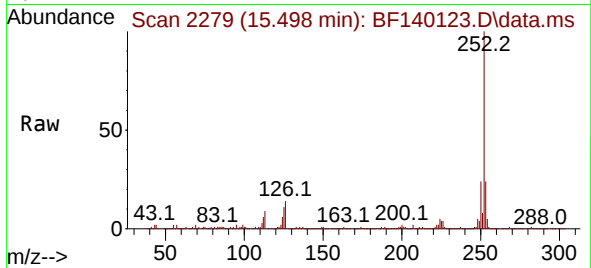
125 10.8 7.9 11.9





#90
Benzo(a)pyrene
Concen: 22.123 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.030 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

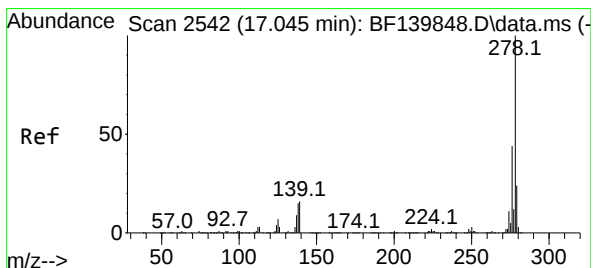
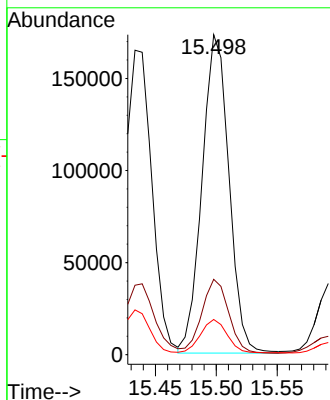
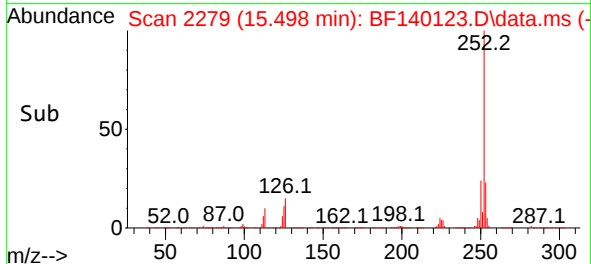
Instrument :
BNA_F
ClientSampleId :
RED-1-1



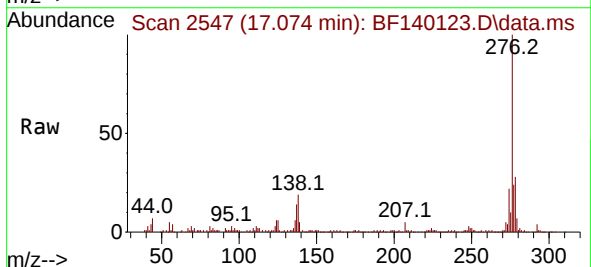
Tgt Ion:252 Resp: 265810
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 11.0 8.7 13.1

Manual Integrations
APPROVED

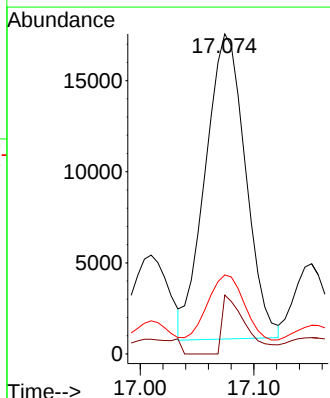
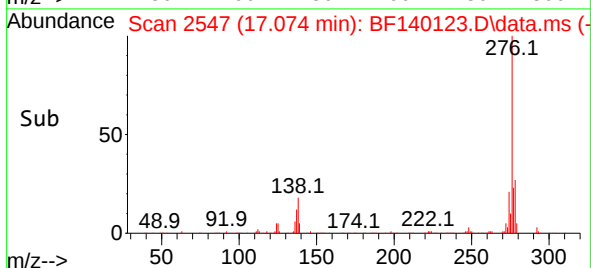
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

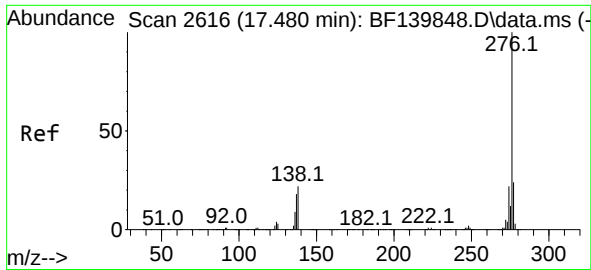


#91
Dibenzo(a,h)anthracene
Concen: 3.194 ng
RT: 17.074 min Scan# 2547
Delta R.T. 0.030 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21



Tgt Ion:278 Resp: 41091
Ion Ratio Lower Upper
278 100
139 18.4 13.1 19.7
279 24.7 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 12.893 ng

RT: 17.515 min Scan# 20

Delta R.T. 0.036 min

Lab File: BF140123.D

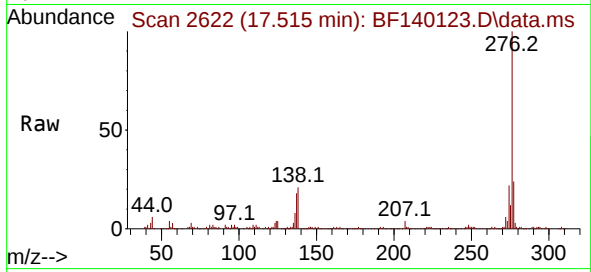
Acq: 29 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

RED-1-1



Tgt Ion:276 Resp: 165684

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 21.2 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024

Supervised By :mohammad ahmed 11/04/2024

