

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120524\
 Data File : BF140751.D
 Acq On : 05 Dec 2024 16:26
 Operator : RC/JU
 Sample : P5096-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-B

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/07/2024
 Supervised By :mohammad ahmed 12/07/2024

Quant Time: Dec 05 16:47:39 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	67772	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	257536	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	140237	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	230543	20.000	ng	0.00
76) Chrysene-d12	14.051	240	124081	20.000	ng	0.00
86) Perylene-d12	15.556	264	139366	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	392022	98.694	ng	0.00
7) Phenol-d6	6.510	99	515763	98.219	ng	0.00
23) Nitrobenzene-d5	7.433	82	343892	68.302	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	135038	90.035	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	657927	69.901	ng	-0.01
79) Terphenyl-d14	12.980	244	473704	59.447	ng	-0.01
Target Compounds					Qvalue	
31) Naphthalene	8.169	128	32190	2.427	ng	99
49) Acenaphthylene	9.769	152	62305	5.198	ng	99
71) Phenanthrene	11.421	178	245570	22.159	ng	99
72) Anthracene	11.474	178	99511	9.180	ng	99
75) Fluoranthene	12.621	202	976682	81.173	ng	99
78) Pyrene	12.851	202	845052	73.657	ng	99
81) Benzo(a)anthracene	14.045	228	525406m	63.967	ng	
83) Chrysene	14.080	228	358669	47.756	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	173963	19.154	ng	97
88) Benzo(b)fluoranthene	15.121	252	543243m	62.058	ng	
89) Benzo(k)fluoranthene	15.139	252	156470m	20.426	ng	
90) Benzo(a)pyrene	15.498	252	384697	54.049	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	49883m	6.706	ng	
92) Benzo(g,h,i)perylene	17.533	276	138725	18.277	ng	99

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

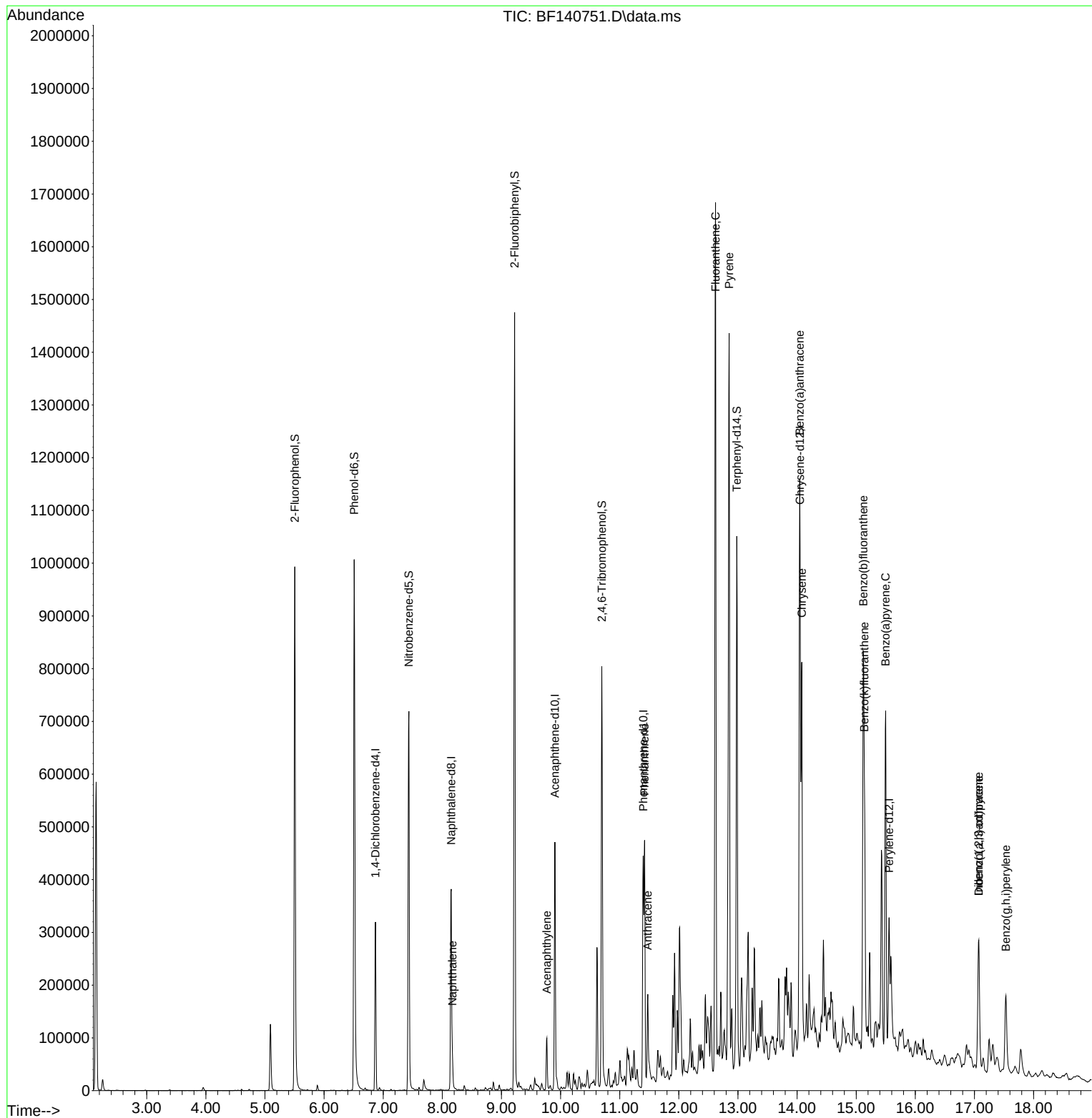
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120524\
Data File : BF140751.D
Acq On : 05 Dec 2024 16:26
Operator : RC/JU
Sample : P5096-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

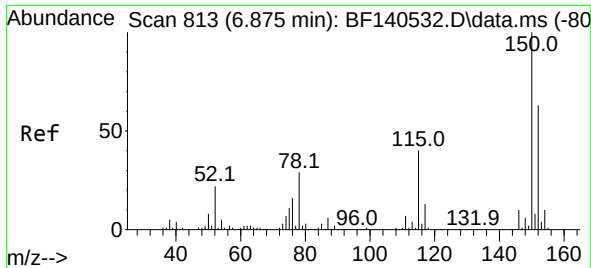
Instrument :
BNA_F
ClientSampleId :
MH-B

Quant Time: Dec 05 16:47:39 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

Manual Integrations
APPROVED

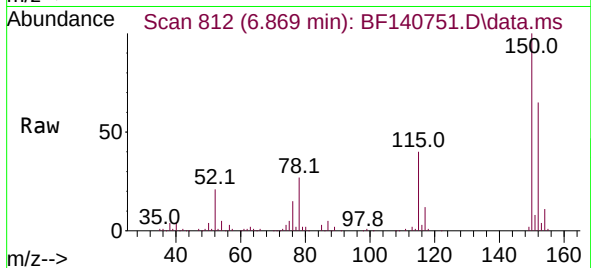
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

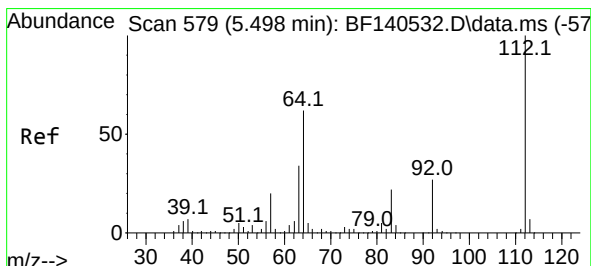
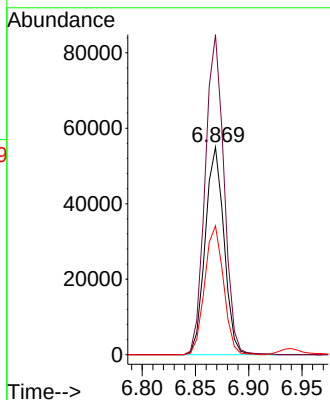
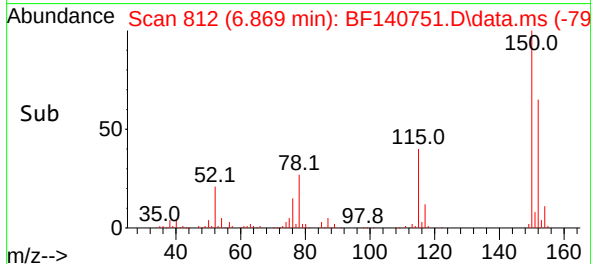
Instrument :
BNA_F
ClientSampleId :
MH-B



Tgt Ion:152 Resp: 67772
Ion Ratio Lower Upper
152 100
150 154.2 128.5 192.7
115 62.1 50.2 75.4

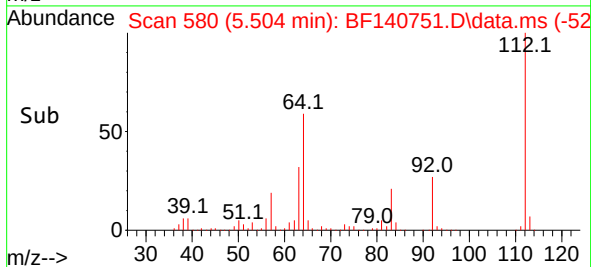
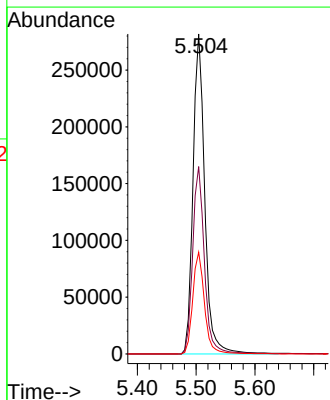
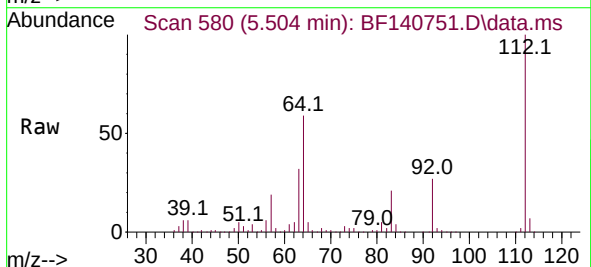
Manual Integrations
APPROVED

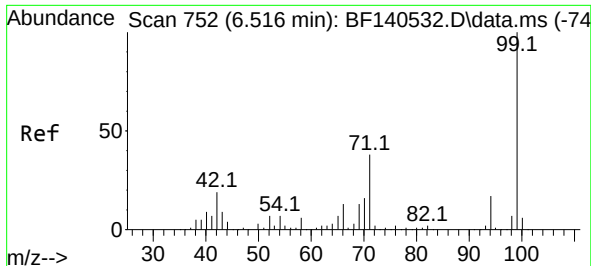
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#5
2-Fluorophenol
Concen: 98.694 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

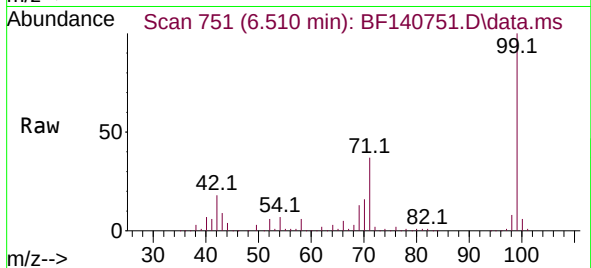
Tgt Ion:112 Resp: 392022
Ion Ratio Lower Upper
112 100
64 58.6 49.2 73.8
63 31.8 27.0 40.4





#7
Phenol-d6
Concen: 98.219 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

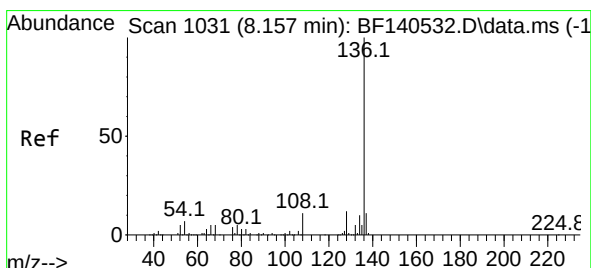
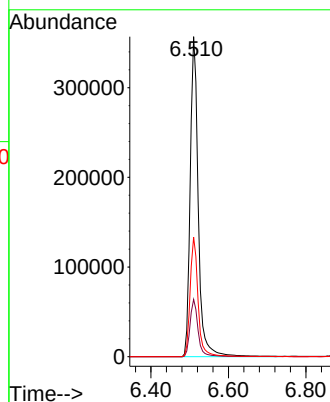
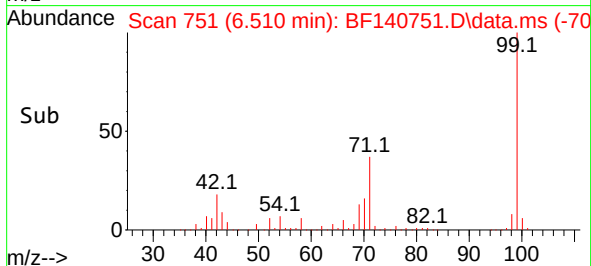
Instrument :
BNA_F
ClientSampleId :
MH-B



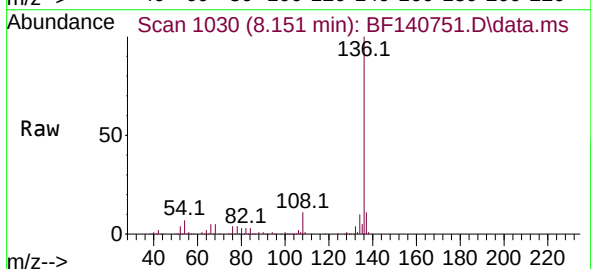
Tgt Ion: 99 Resp: 51576
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 37.3 30.6 46.0

Manual Integrations
APPROVED

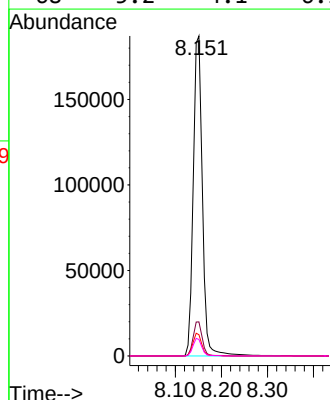
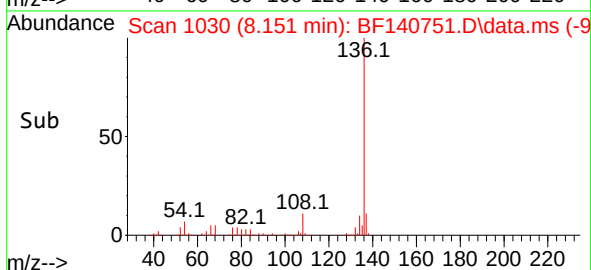
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024

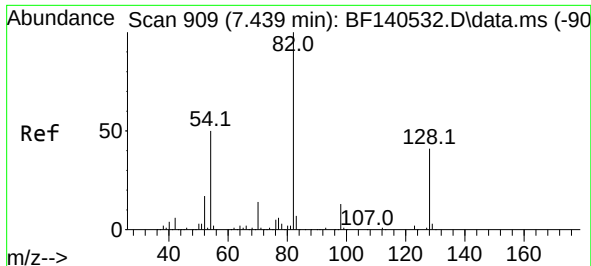


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26



Tgt Ion:136 Resp: 257536
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 6.6 5.8 8.8
68 5.2 4.1 6.1





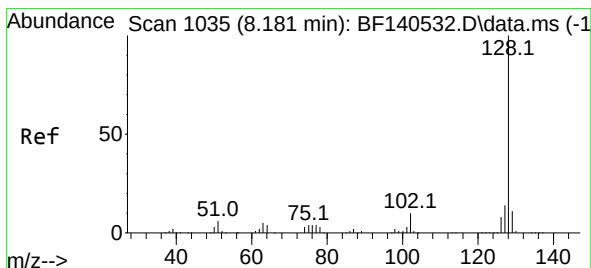
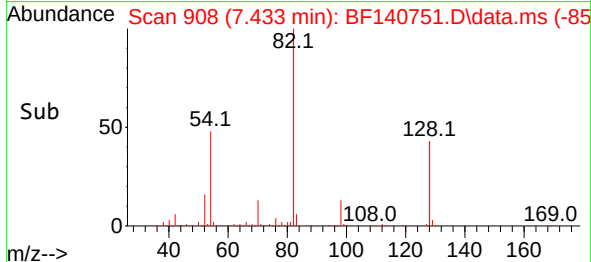
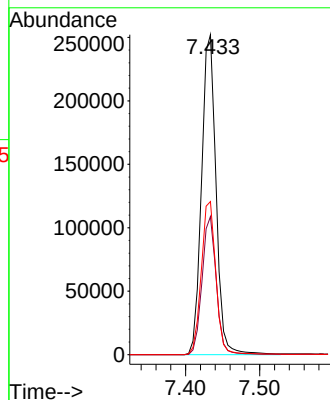
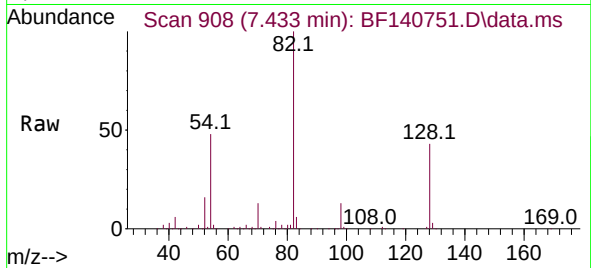
#23
Nitrobenzene-d5
Concen: 68.302 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

Instrument :
BNA_F
ClientSampleId :
MH-B

Tgt Ion: 82 Resp: 343892
Ion Ratio Lower Upper
82 100
128 43.2 33.0 49.4
54 47.9 39.5 59.3

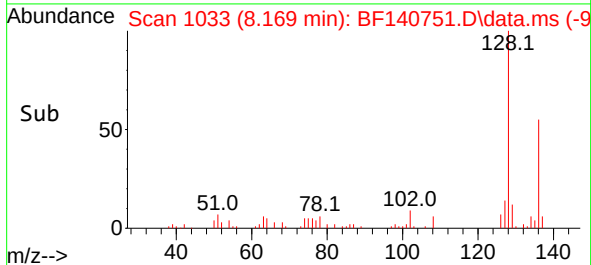
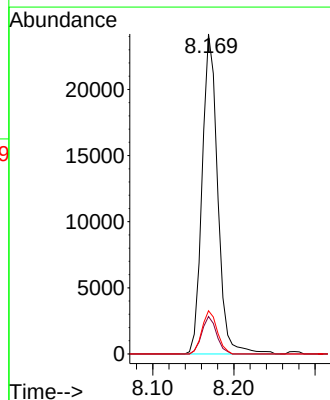
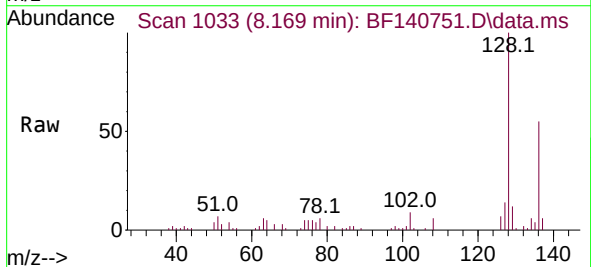
Manual Integrations
APPROVED

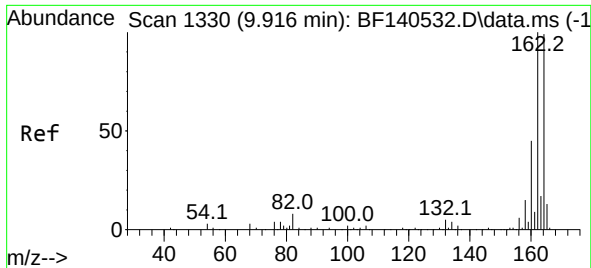
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#31
Naphthalene
Concen: 2.427 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

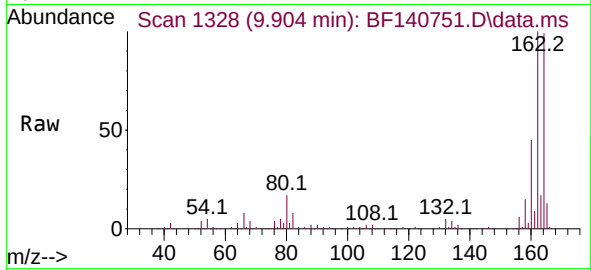
Tgt Ion:128 Resp: 32190
Ion Ratio Lower Upper
128 100
129 11.7 8.6 13.0
127 13.5 10.8 16.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

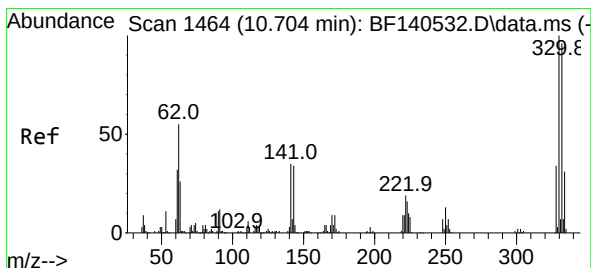
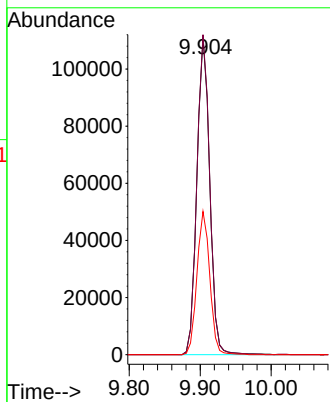
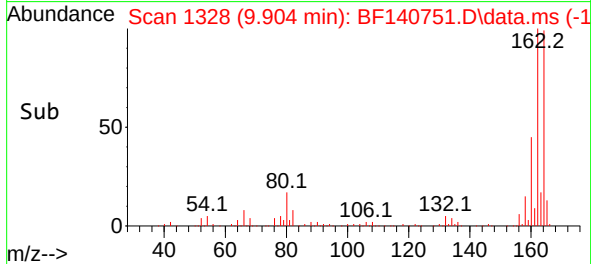
Instrument :
BNA_F
ClientSampleId :
MH-B



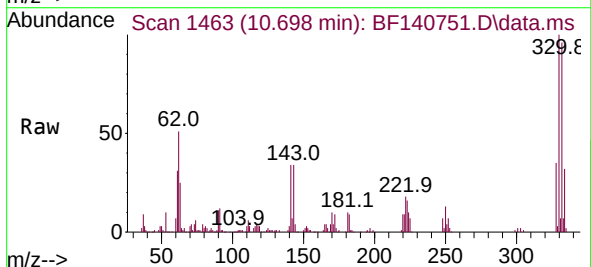
Tgt Ion:164 Resp: 14023
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 45.1 36.2 54.4

Manual Integrations
APPROVED

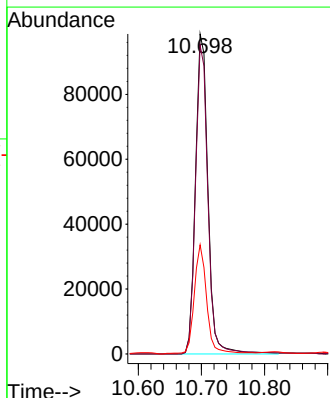
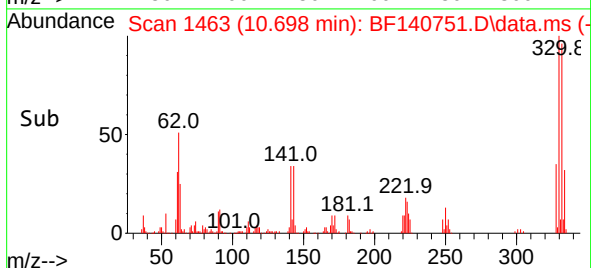
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024

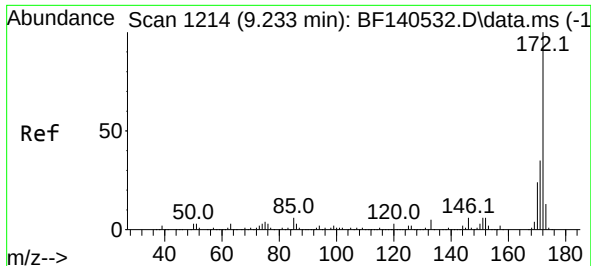


#42
2,4,6-Tribromophenol
Concen: 90.035 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26



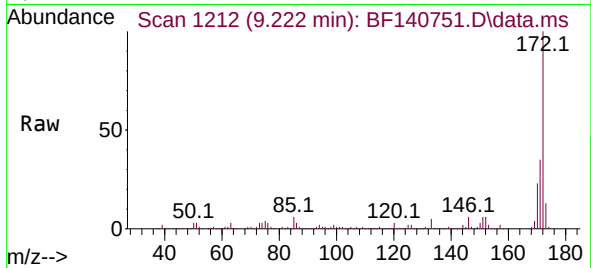
Tgt Ion:330 Resp: 135038
Ion Ratio Lower Upper
330 100
332 96.5 76.9 115.3
141 34.5 26.7 40.1





#45
2-Fluorobiphenyl
Concen: 69.901 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

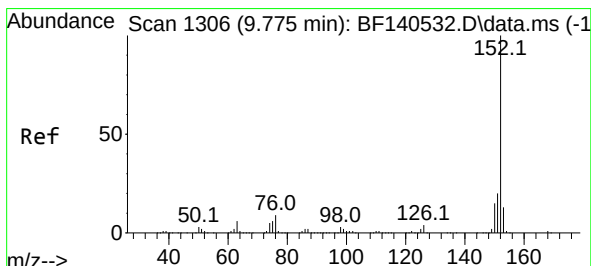
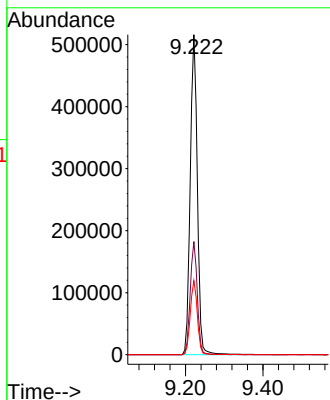
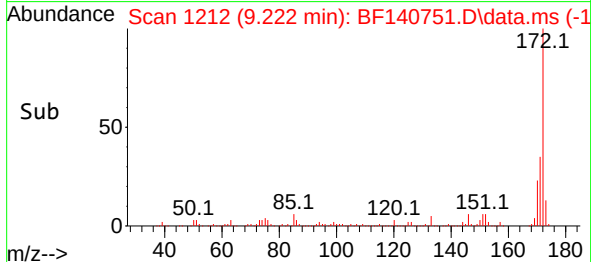
Instrument :
BNA_F
ClientSampleId :
MH-B



Tgt Ion:172 Resp: 65792
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.2 19.0 28.6

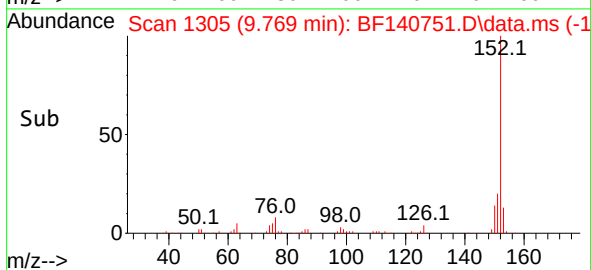
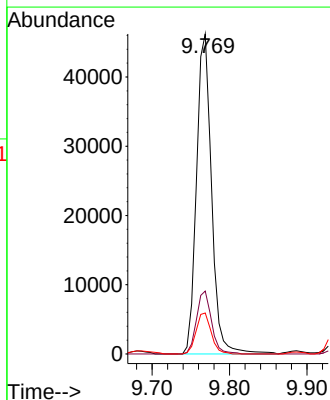
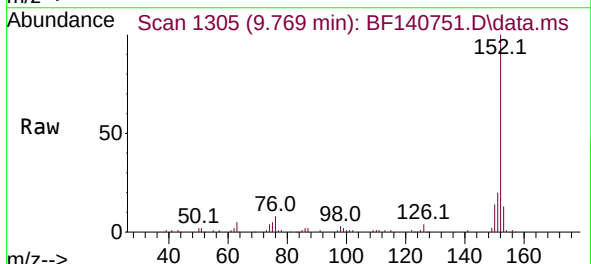
Manual Integrations
APPROVED

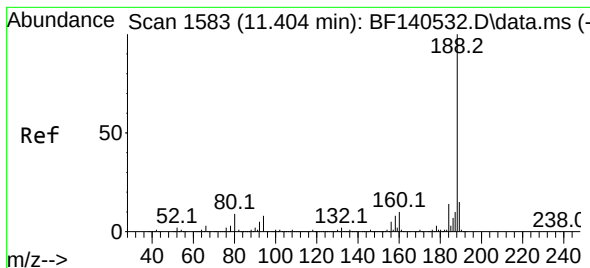
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#49
Acenaphthylene
Concen: 5.198 ng
RT: 9.769 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

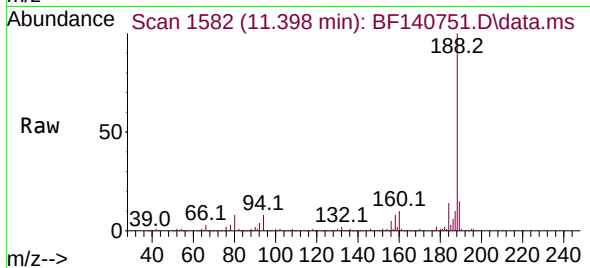
Tgt Ion:152 Resp: 62305
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 12.8 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

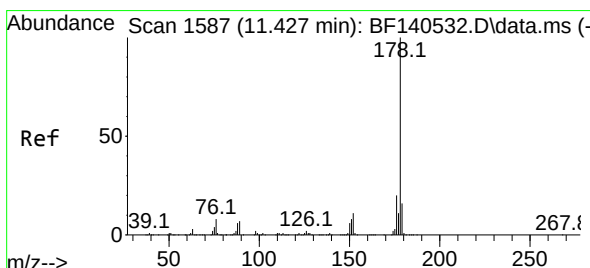
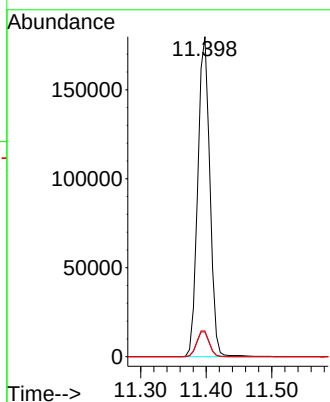
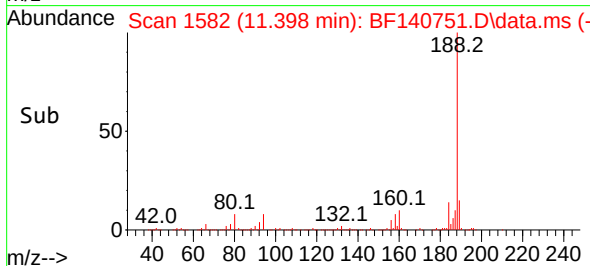
Instrument :
BNA_F
ClientSampleId :
MH-B



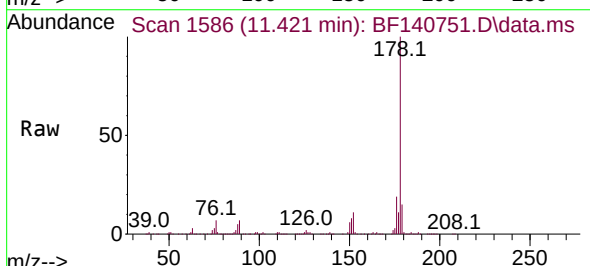
Tgt Ion:188 Resp: 23054
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 8.0 6.9 10.3

Manual Integrations
APPROVED

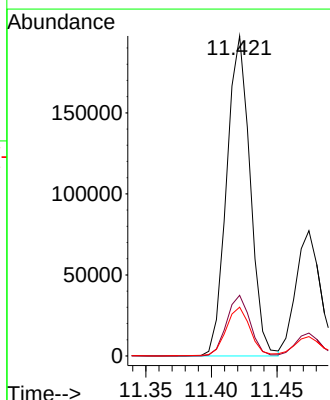
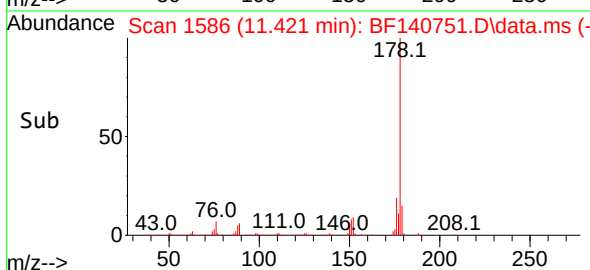
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024

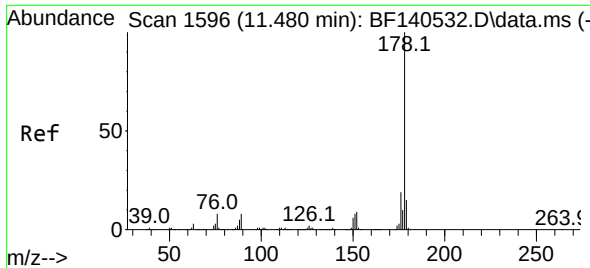


#71
Phenanthrene
Concen: 22.159 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26



Tgt Ion:178 Resp: 245570
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.3 12.4 18.6





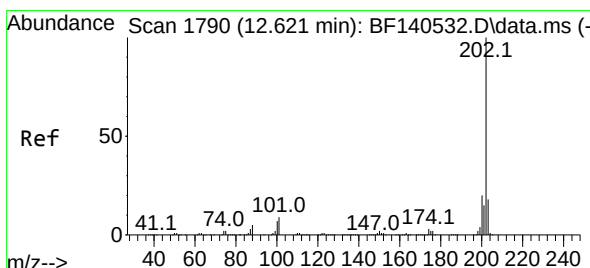
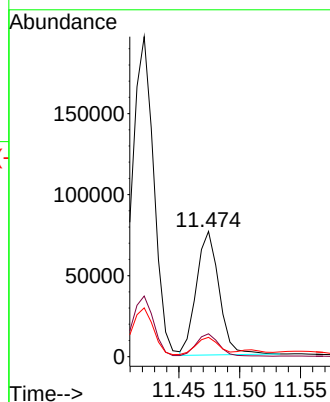
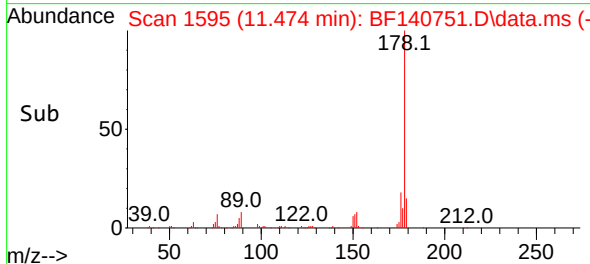
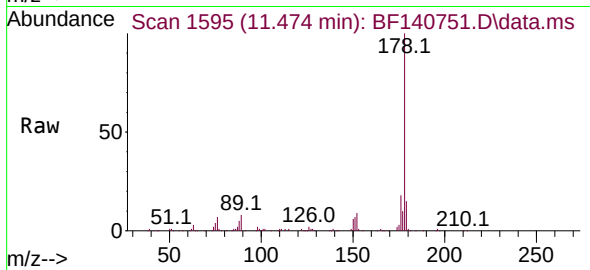
#72
 Anthracene
 Concen: 9.180 ng
 RT: 11.474 min Scan# 1595
 Delta R.T. -0.006 min
 Lab File: BF140751.D
 Acq: 05 Dec 2024 16:26

Instrument :
 BNA_F
 ClientSampleId :
 MH-B

Tgt Ion:178 Resp: 9951
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.4
 179 15.4 12.2 18.4

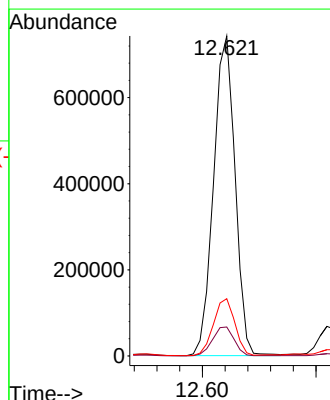
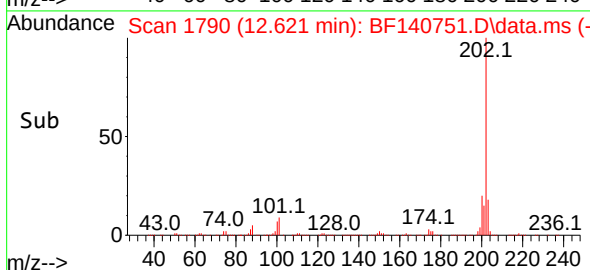
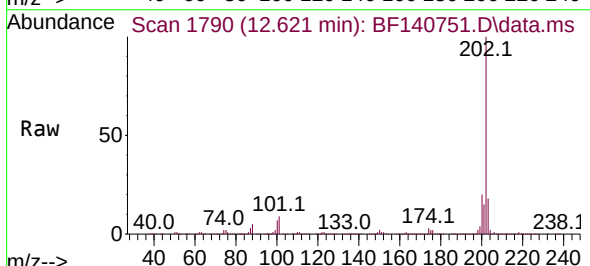
Manual Integrations
 APPROVED

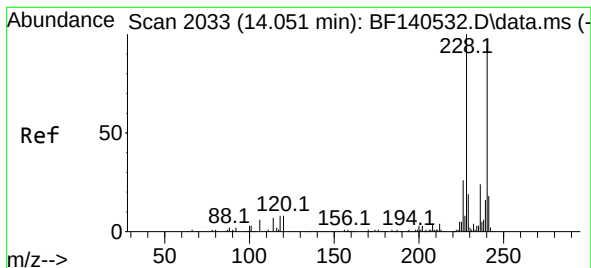
Reviewed By :Yogesh Patel 12/07/2024
 Supervised By :mohammad ahmed 12/07/2024



#75
 Fluoranthene
 Concen: 81.173 ng
 RT: 12.621 min Scan# 1790
 Delta R.T. -0.000 min
 Lab File: BF140751.D
 Acq: 05 Dec 2024 16:26

Tgt Ion:202 Resp: 976682
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 28.9
 203 17.9 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: BF140751.D

Acq: 05 Dec 2024 16:26

Instrument :

BNA_F

ClientSampleId :

MH-B

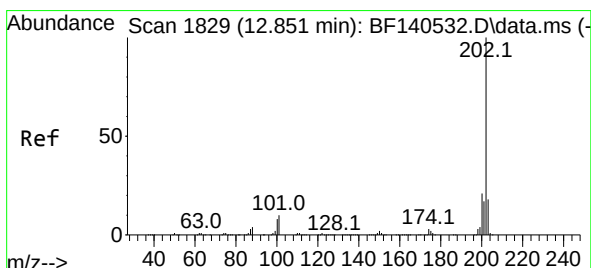
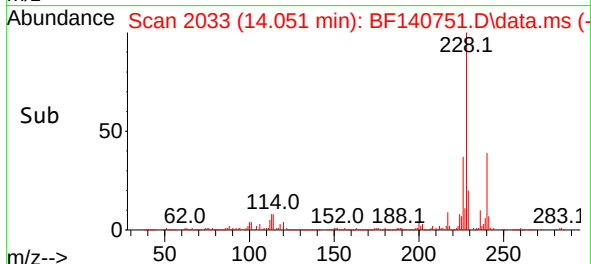
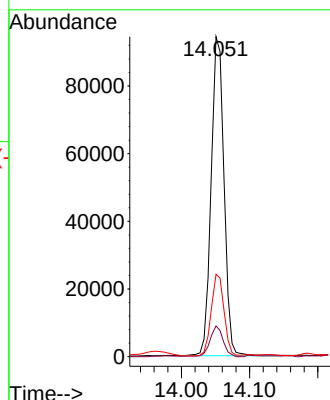
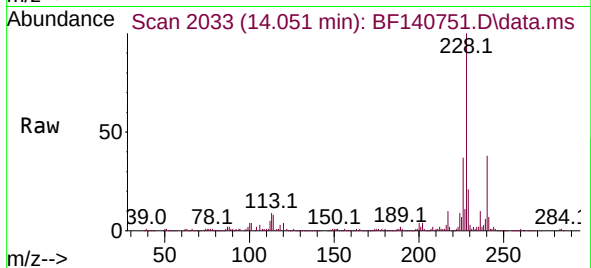
Tgt Ion:	240	Resp:	12408
Ion Ratio	Lower	Upper	
240	100		
120	9.6	7.3	10.9
236	25.8	20.6	31.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2024

Supervised By :mohammad ahmed 12/07/2024



#78

Pyrene

Concen: 73.657 ng

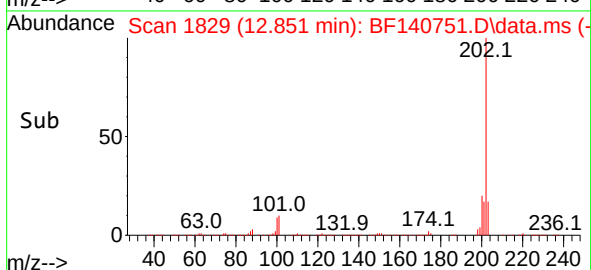
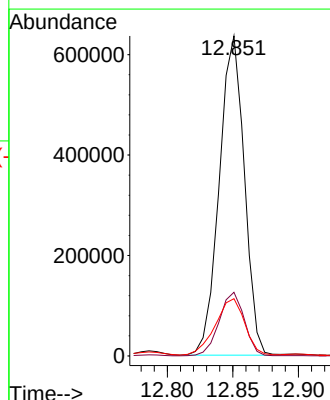
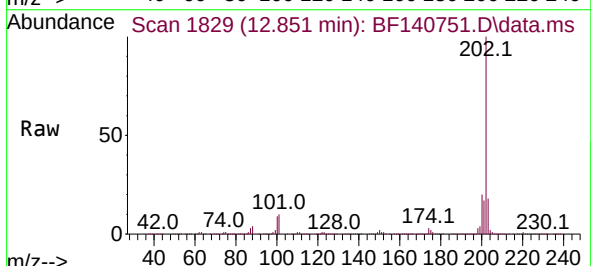
RT: 12.851 min Scan# 1829

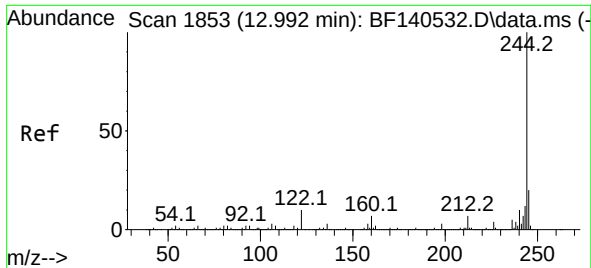
Delta R.T. -0.000 min

Lab File: BF140751.D

Acq: 05 Dec 2024 16:26

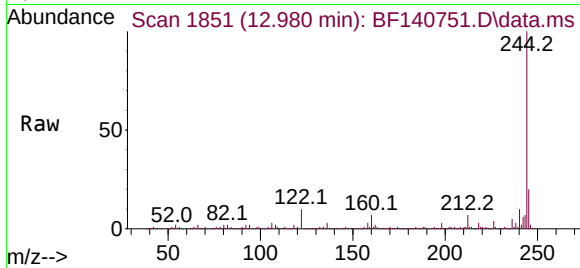
Tgt Ion:	202	Resp:	845052
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.5	24.7
203	17.9	14.2	21.4





#79
Terphenyl-d14
Concen: 59.447 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

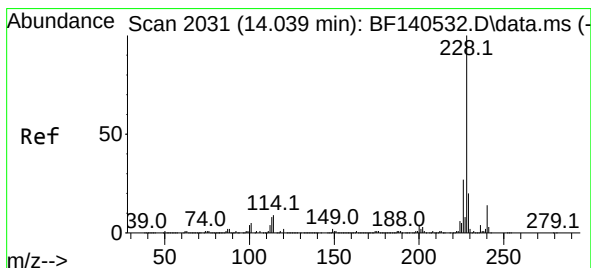
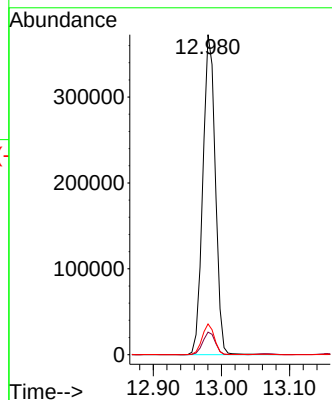
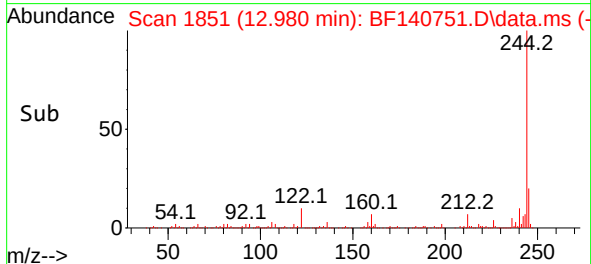
Instrument :
BNA_F
ClientSampleId :
MH-B



Tgt Ion:244 Resp: 473704
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 9.6 8.0 12.0

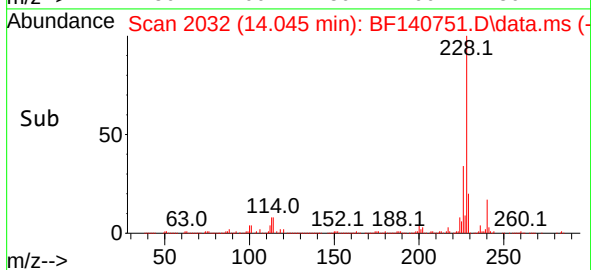
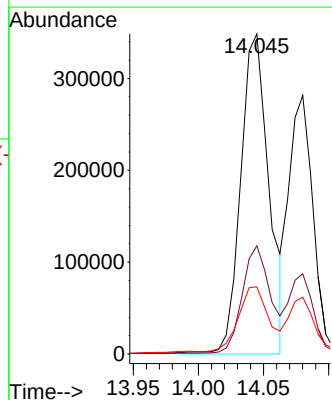
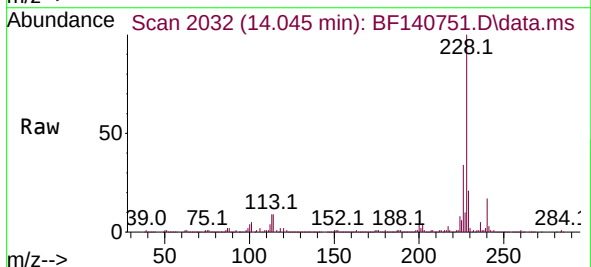
Manual Integrations
APPROVED

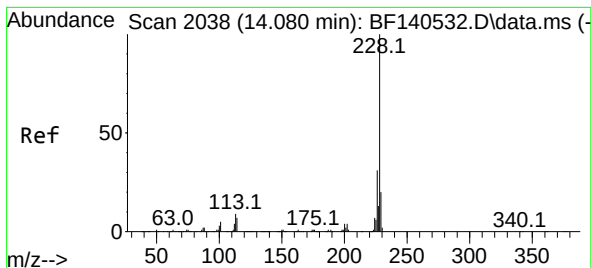
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#81
Benzo(a)anthracene
Concen: 63.967 ng m
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

Tgt Ion:228 Resp: 525406
Ion Ratio Lower Upper
228 100
226 33.8 21.8 32.8#
229 21.0 15.8 23.6





#83

Chrysene

Concen: 47.756 ng

RT: 14.080 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF140751.D

Acq: 05 Dec 2024 16:26

Instrument :

BNA_F

ClientSampleId :

MH-B

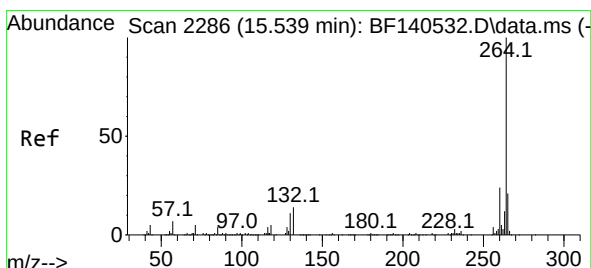
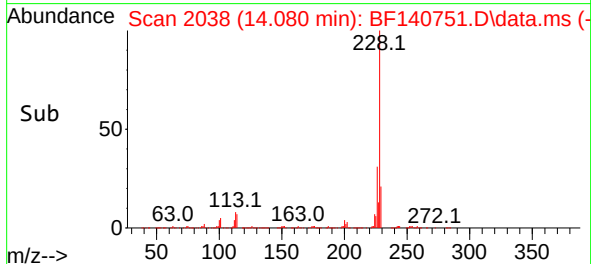
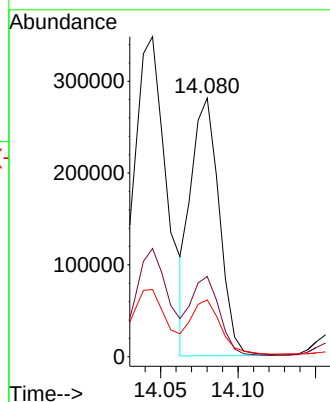
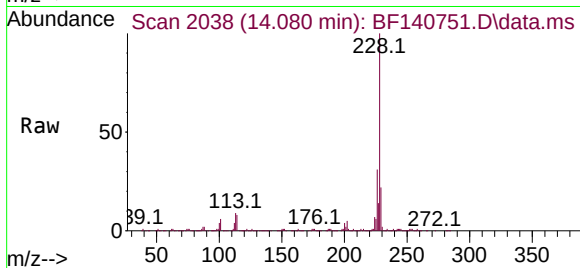
Tgt Ion:	228	Resp:	358669
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.4	36.6
229	22.0	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2024

Supervised By :mohammad ahmed 12/07/2024



#86

Perylene-d12

Concen: 20.000 ng

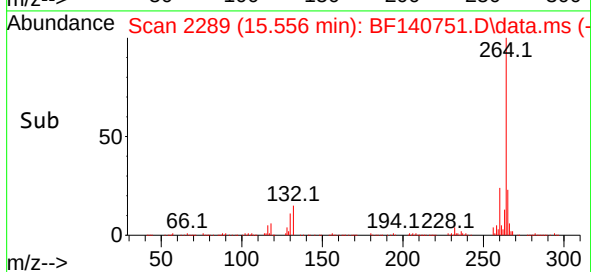
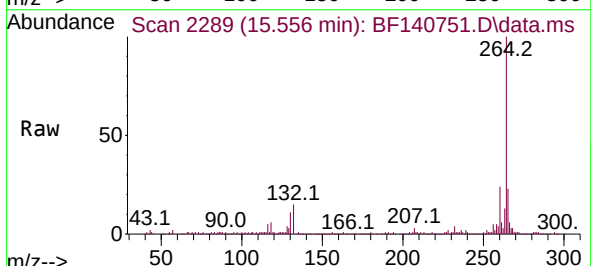
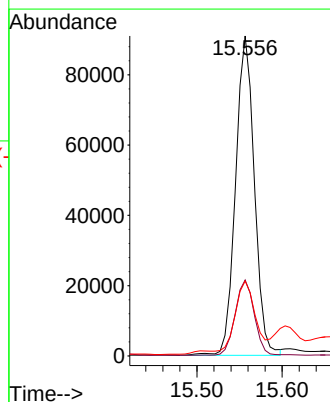
RT: 15.556 min Scan# 2289

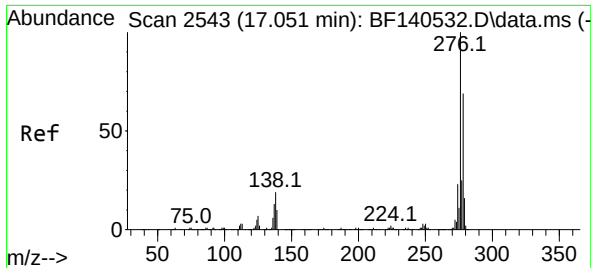
Delta R.T. 0.018 min

Lab File: BF140751.D

Acq: 05 Dec 2024 16:26

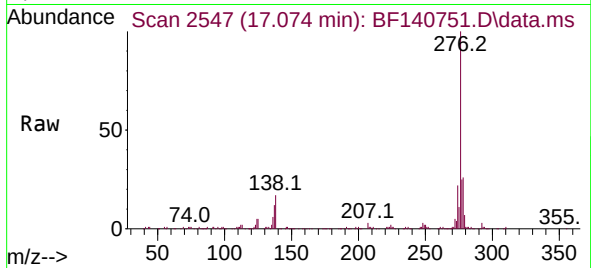
Tgt Ion:	264	Resp:	139366
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.0	28.6
265	23.4	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.154 ng
RT: 17.074 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

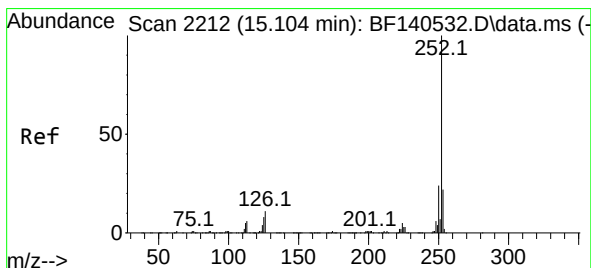
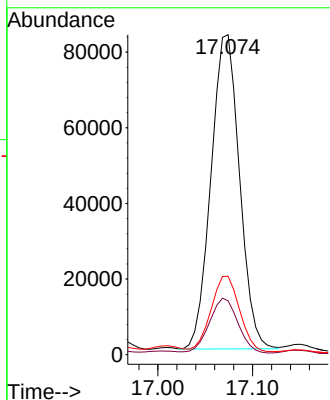
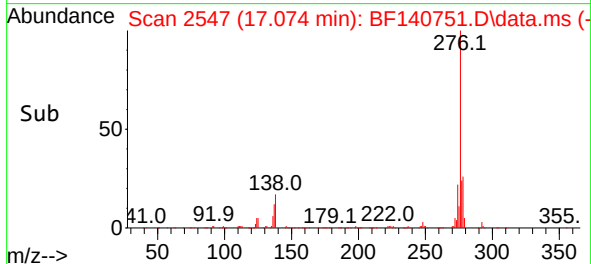
Instrument :
BNA_F
ClientSampleId :
MH-B



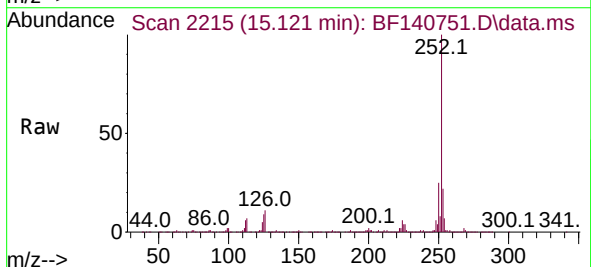
Tgt Ion:276 Resp: 17396
Ion Ratio Lower Upper
276 100
138 17.4 15.5 23.3
277 24.6 20.1 30.1

Manual Integrations
APPROVED

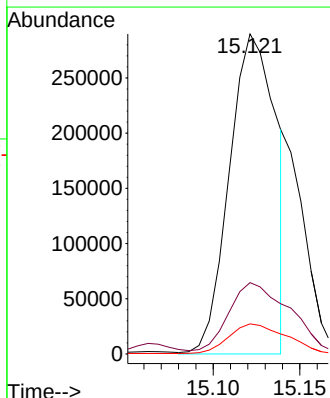
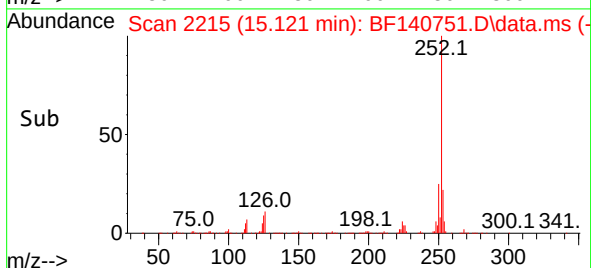
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024

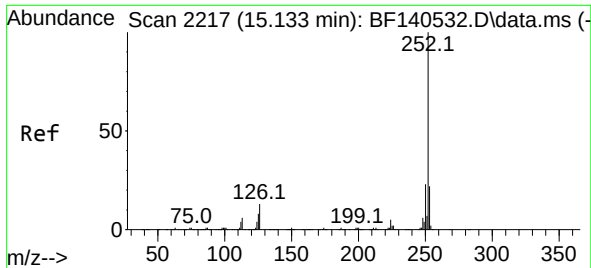


#88
Benzo(b)fluoranthene
Concen: 62.058 ng m
RT: 15.121 min Scan# 2215
Delta R.T. 0.018 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26



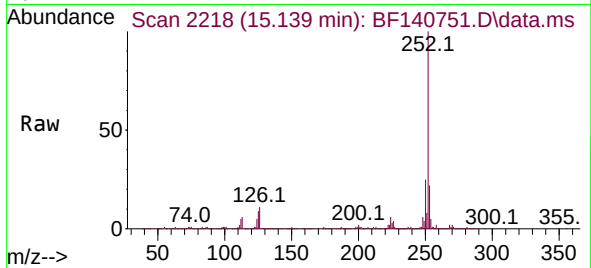
Tgt Ion:252 Resp: 543243
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 9.4 6.7 10.1





#89
Benzo(k)fluoranthene
Concen: 20.426 ng m
RT: 15.139 min Scan# 2217
Delta R.T. 0.006 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

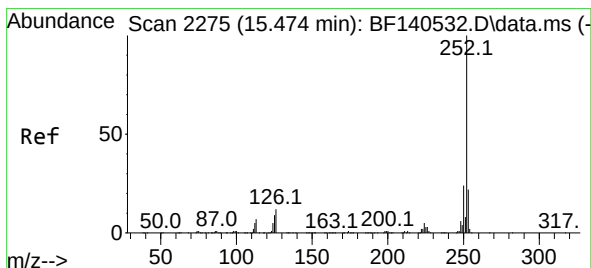
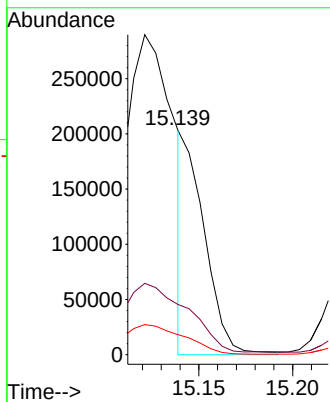
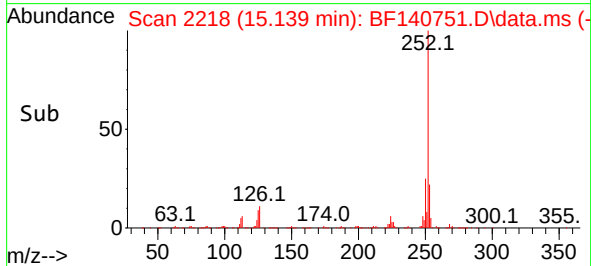
Instrument :
BNA_F
ClientSampleId :
MH-B



Tgt Ion:252 Resp: 156470
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 8.9 6.5 9.7

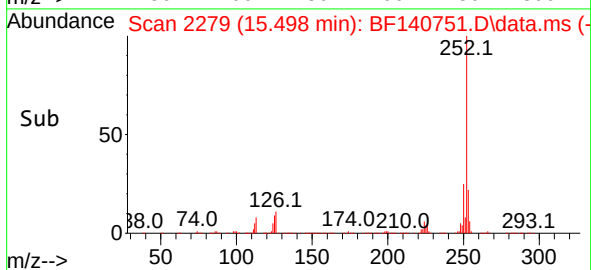
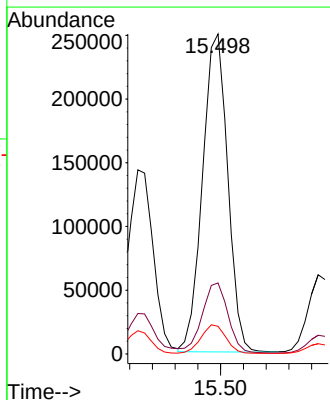
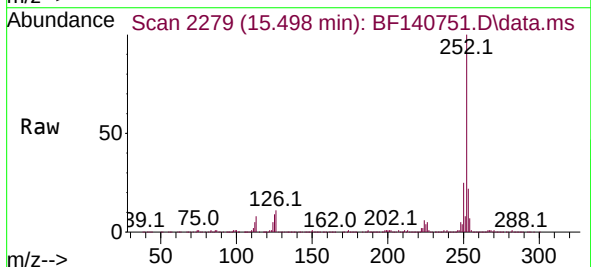
Manual Integrations
APPROVED

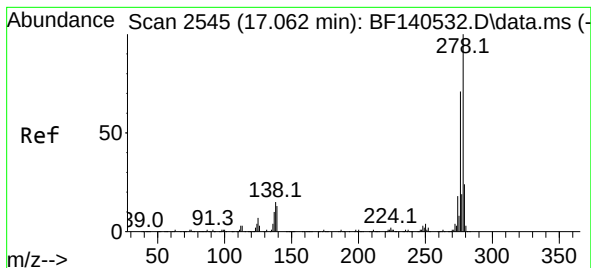
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#90
Benzo(a)pyrene
Concen: 54.049 ng
RT: 15.498 min Scan# 2279
Delta R.T. 0.023 min
Lab File: BF140751.D
Acq: 05 Dec 2024 16:26

Tgt Ion:252 Resp: 384697
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 8.7 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 6.706 ng m

RT: 17.074 min Scan# 2545

Delta R.T. 0.012 min

Lab File: BF140751.D

Acq: 05 Dec 2024 16:26

Instrument :

BNA_F

ClientSampleId :

MH-B

Tgt Ion:278 Resp: 4988

Ion Ratio Lower Upper

278 100

139 0.0 10.2 15.4

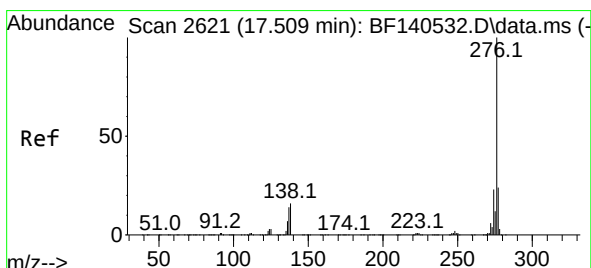
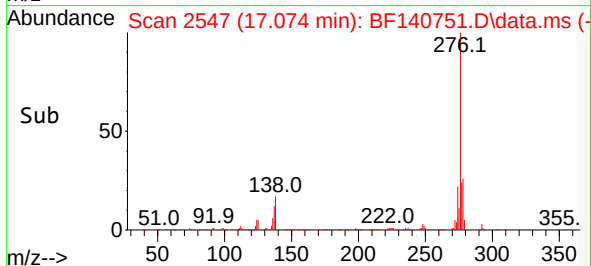
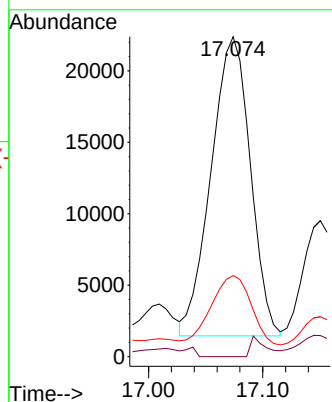
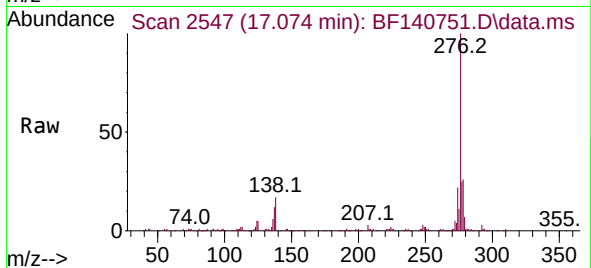
279 25.3 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2024

Supervised By :mohammad ahmed 12/07/2024



#92

Benzo(g,h,i)perylene

Concen: 18.277 ng

RT: 17.533 min Scan# 2625

Delta R.T. 0.023 min

Lab File: BF140751.D

Acq: 05 Dec 2024 16:26

Tgt Ion:276 Resp: 138725

Ion Ratio Lower Upper

276 100

277 23.6 18.9 28.3

138 17.5 13.2 19.8

