

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140156.D
 Acq On : 30 Oct 2024 14:41
 Operator : RC/JU
 Sample : P4578-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-305-TOP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024

Quant Time: Oct 30 15:07:37 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	6.881	152	110861	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	423380	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	224222	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	363381	20.000	ng	0.00
76) Chrysene-d12	14.069	240	172346	20.000	ng	0.02
86) Perylene-d12	15.580	264	220971	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	568333	80.255	ng	0.00
7) Phenol-d6	6.498	99	721823	78.701	ng	-0.01
23) Nitrobenzene-d5	7.440	82	475473	62.243	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	165073	78.707	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	788942	58.151	ng	-0.01
79) Terphenyl-d14	13.010	244	641093	60.613	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.181	128	75308	3.449	ng	99
37) 2-Methylnaphthalene	8.875	142	41754	3.122	ng	96
38) 1-Methylnaphthalene	8.975	142	44934	3.425	ng	98
52) Acenaphthene	9.957	154	35905	3.054	ng	94
58) Fluorene	10.469	166	33528	2.610	ng	# 95
71) Phenanthrene	11.439	178	177240	10.326	ng	100
72) Anthracene	11.492	178	73441	4.385	ng	98
75) Fluoranthene	12.633	202	169924	9.793	ng	98
78) Pyrene	12.863	202	207813	13.775	ng	99
81) Benzo(a)anthracene	14.057	228	100152	8.927	ng	# 78
83) Chrysene	14.092	228	95672	9.301	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.098	276	42053	2.958	ng	97
88) Benzo(b)fluoranthene	15.139	252	86587m	6.433	ng	
89) Benzo(k)fluoranthene	15.157	252	29472m	2.539	ng	
90) Benzo(a)pyrene	15.515	252	94161	8.501	ng	96
92) Benzo(g,h,i)perylene	17.551	276	43282	3.654	ng	97

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

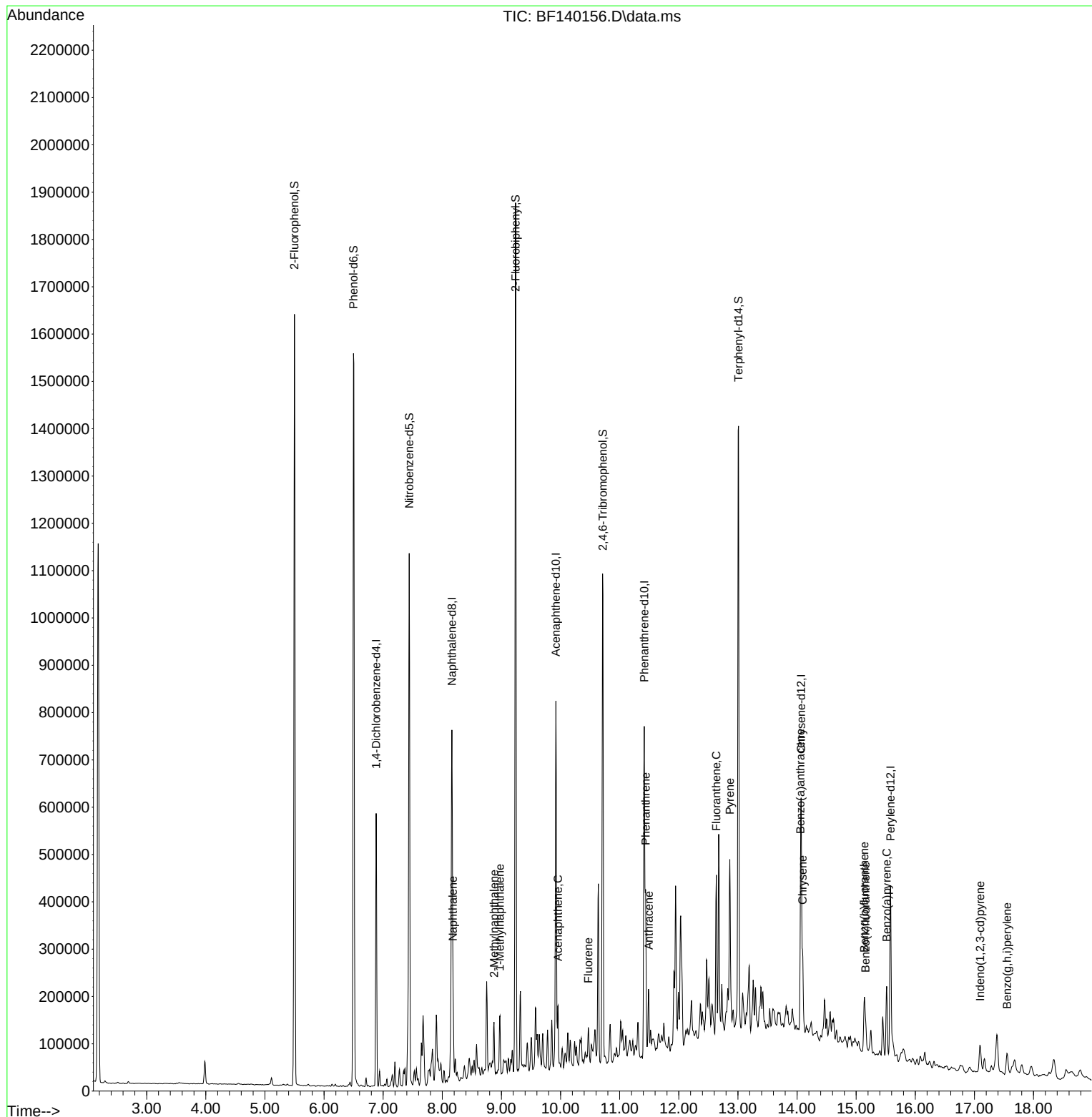
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140156.D
Acq On : 30 Oct 2024 14:41
Operator : RC/JU
Sample : P4578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

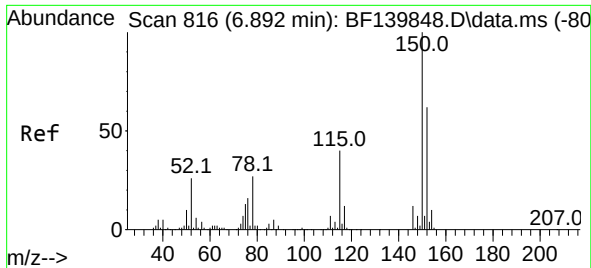
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP

Quant Time: Oct 30 15:07:37 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 :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024





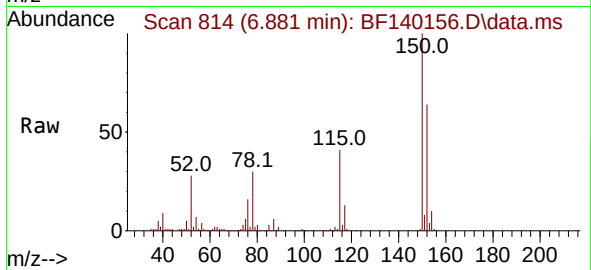
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.011 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP

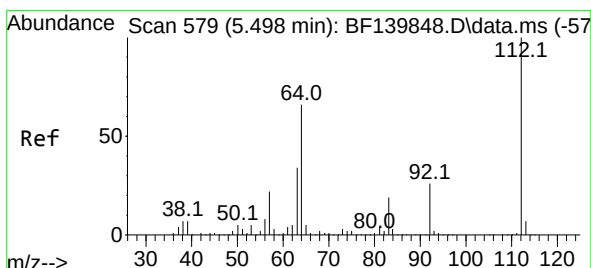
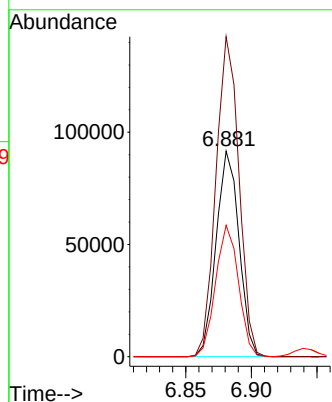
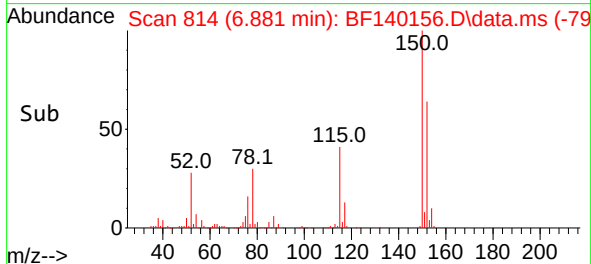


Tgt Ion:152 Resp: 11086
Ion Ratio Lower Upper
152 100
150 155.6 130.2 195.2
115 63.9 51.4 77.2

Manual Integrations

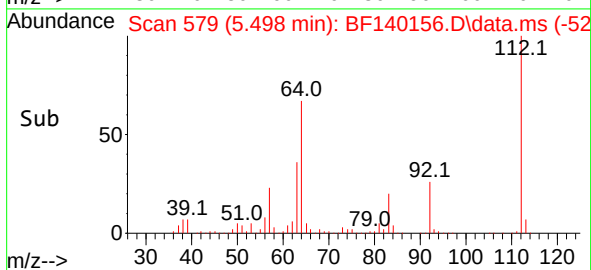
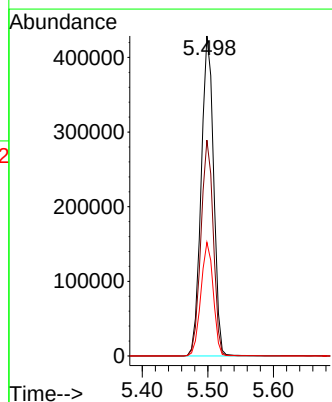
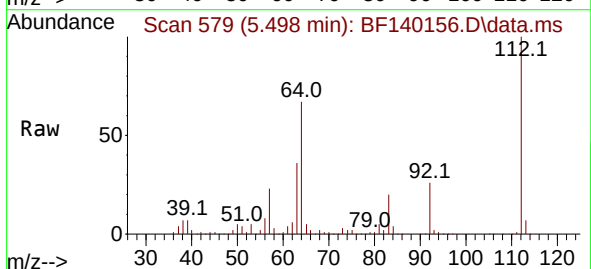
APPROVED

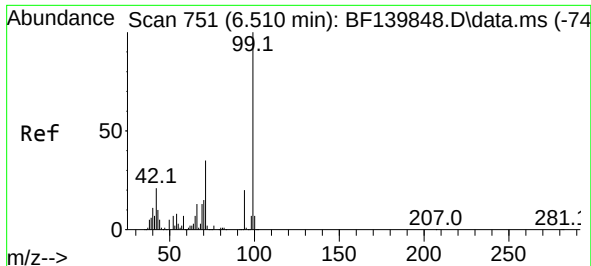
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#5
2-Fluorophenol
Concen: 80.255 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

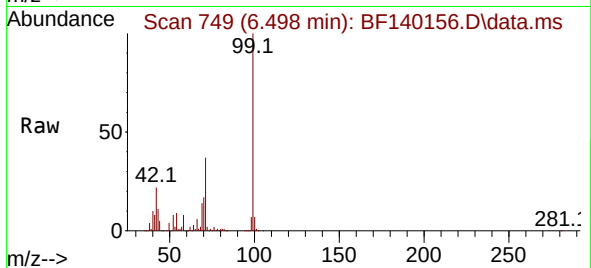
Tgt Ion:112 Resp: 568333
Ion Ratio Lower Upper
112 100
64 67.4 53.0 79.6
63 35.5 27.0 40.4





#7
Phenol-d6
Concen: 78.701 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

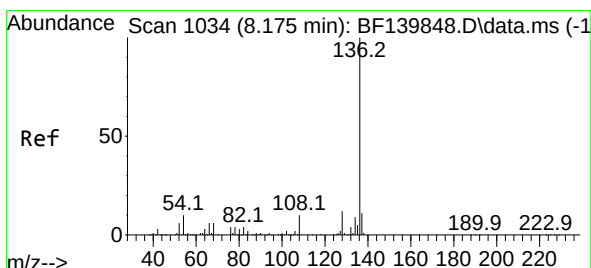
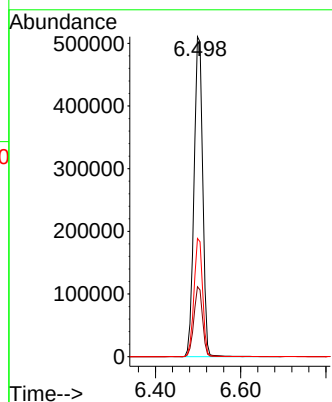
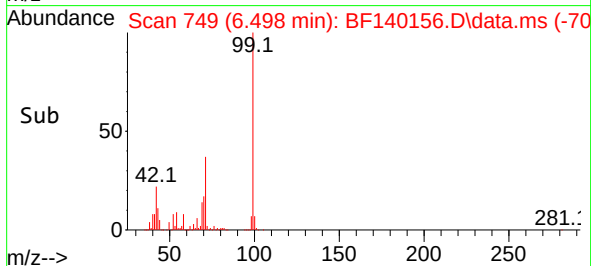
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP



Tgt Ion: 99 Resp: 72182
Ion Ratio Lower Upper
99 100
42 21.9 16.7 25.1
71 36.9 27.7 41.5

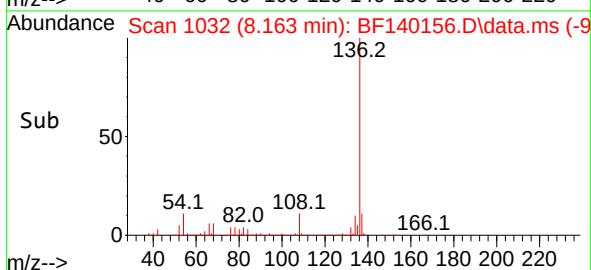
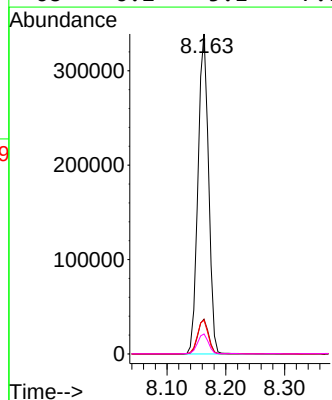
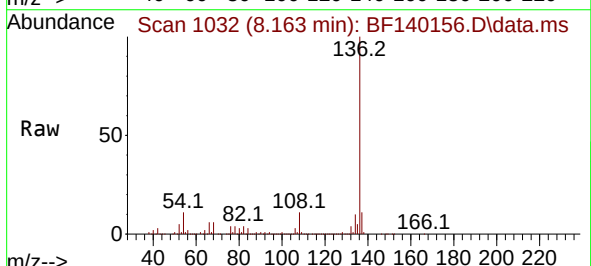
Manual Integrations
APPROVED

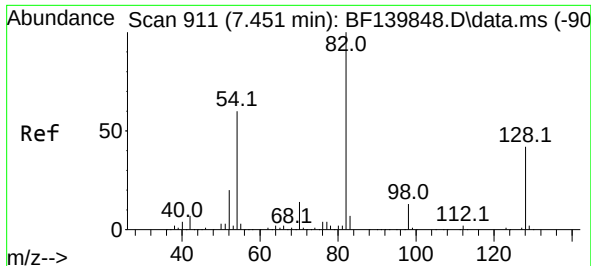
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Tgt Ion:136 Resp: 423380
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.5 8.4 12.6
68 6.2 5.1 7.7





#23
Nitrobenzene-d5
Concen: 62.243 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

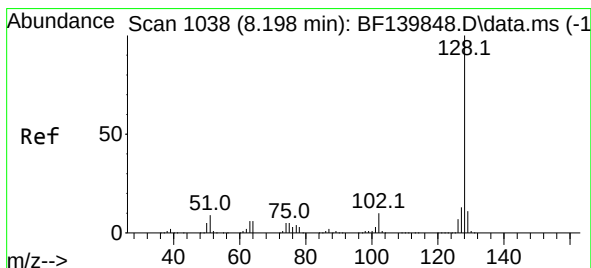
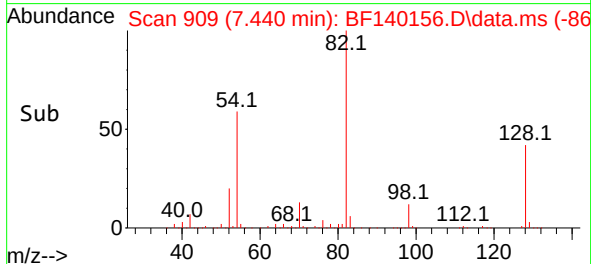
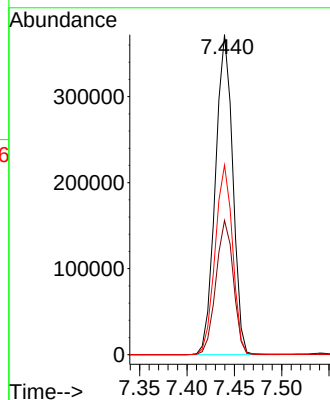
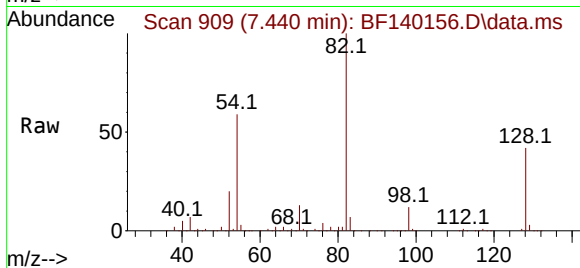
WB-305-TOP

Tgt Ion: 82 Resp: 47547
Ion Ratio Lower Upper
82 100
128 41.9 33.4 50.0
54 59.2 47.8 71.8

Manual Integrations

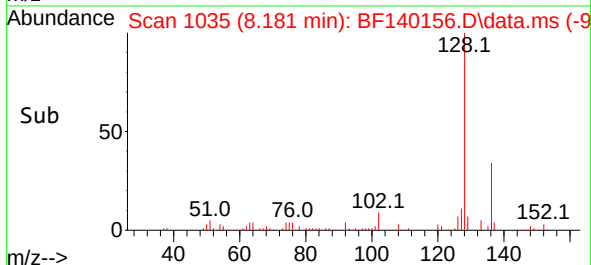
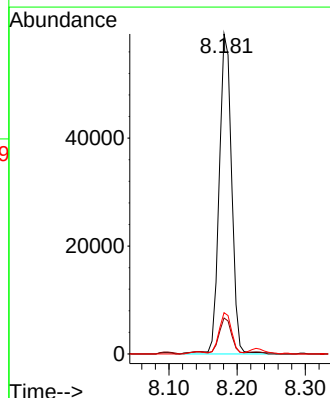
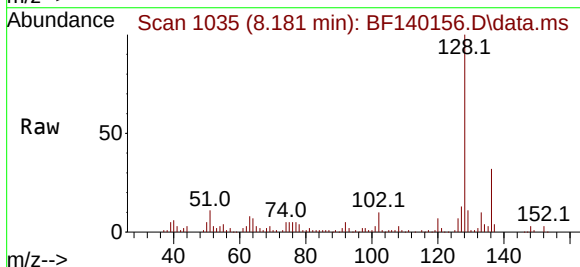
APPROVED

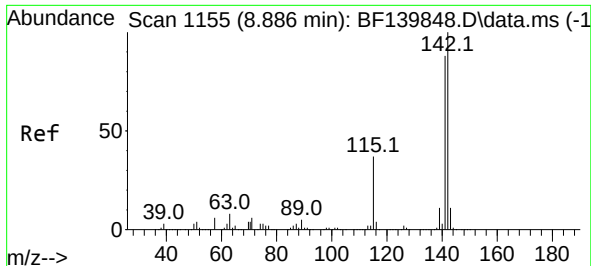
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#31
Naphthalene
Concen: 3.449 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.017 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Tgt Ion:128 Resp: 75308
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 12.9 10.6 16.0





#37

2-Methylnaphthalene

Concen: 3.122 ng

RT: 8.875 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP

Tgt Ion:142 Resp: 41754

Ion Ratio Lower Upper

142 100

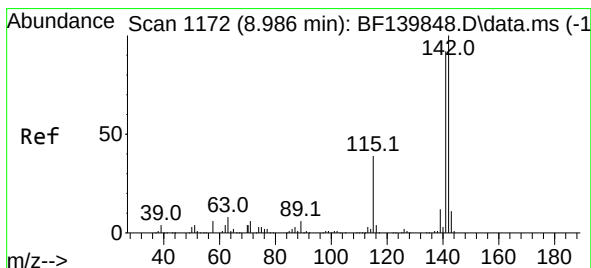
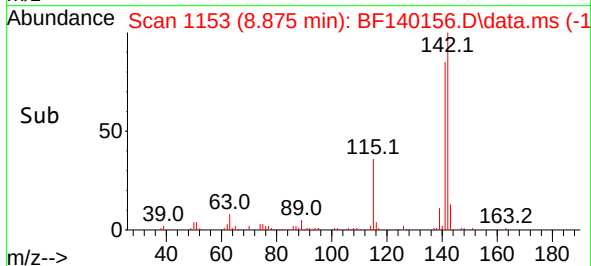
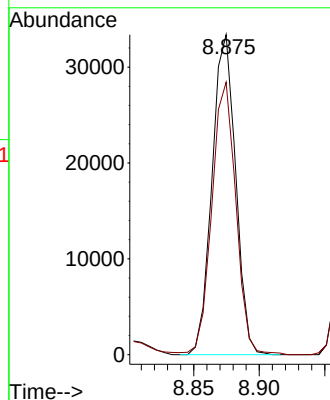
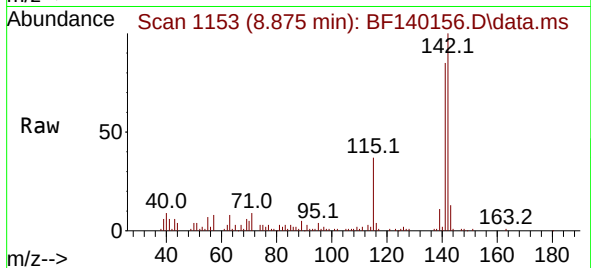
141 85.2 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#38

1-Methylnaphthalene

Concen: 3.425 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.012 min

Lab File: BF140156.D

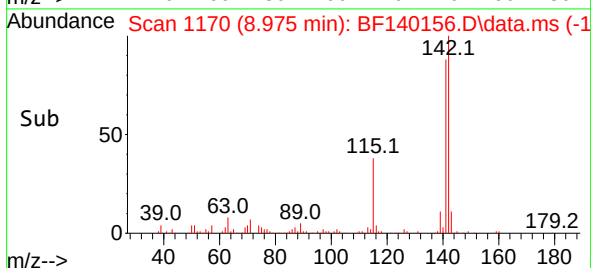
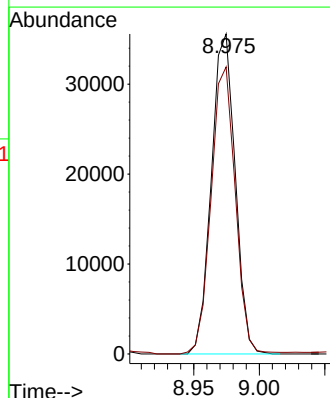
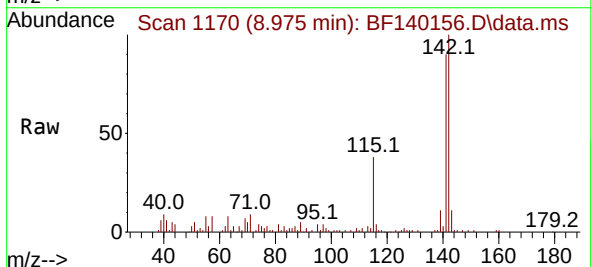
Acq: 30 Oct 2024 14:41

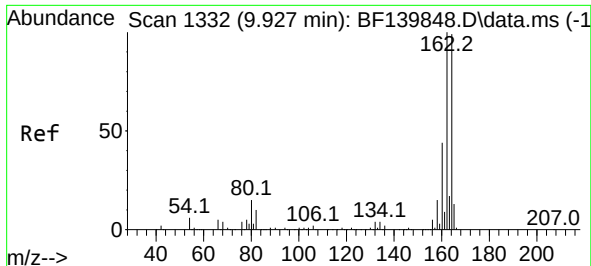
Tgt Ion:142 Resp: 44934

Ion Ratio Lower Upper

142 100

141 89.7 73.5 110.3





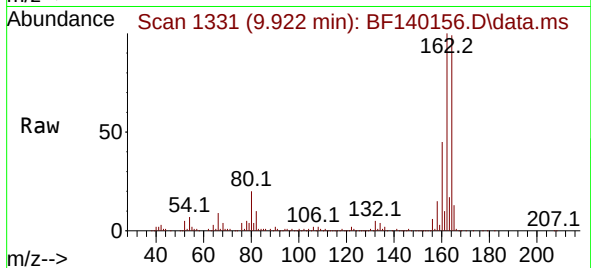
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.005 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP



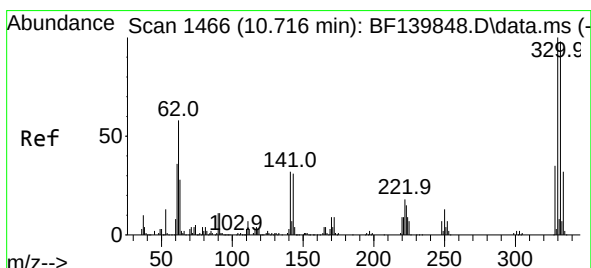
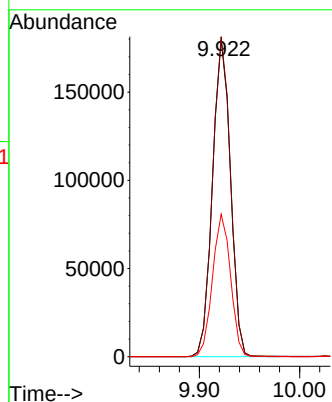
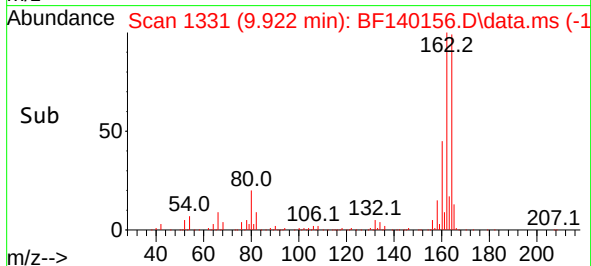
Tgt Ion:164 Resp: 22422
Ion Ratio Lower Upper
164 100
162 100.9 81.0 121.4
160 44.9 35.4 53.0

Manual Integrations

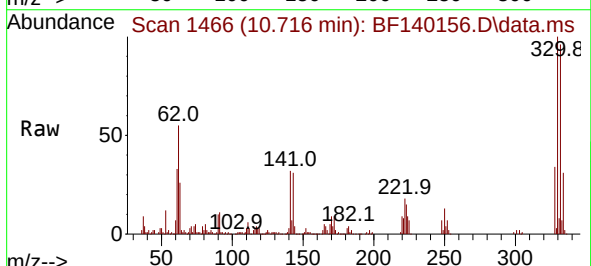
APPROVED

Reviewed By :Yogesh Patel 11/04/2024

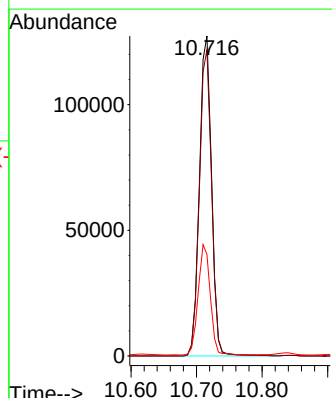
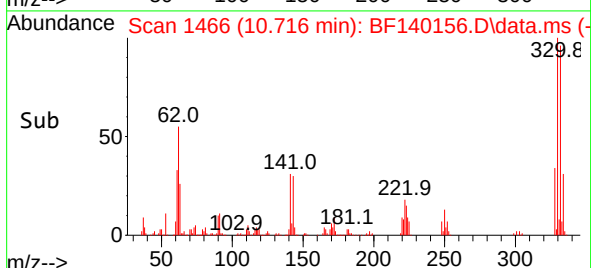
Supervised By :mohammad ahmed 11/04/2024

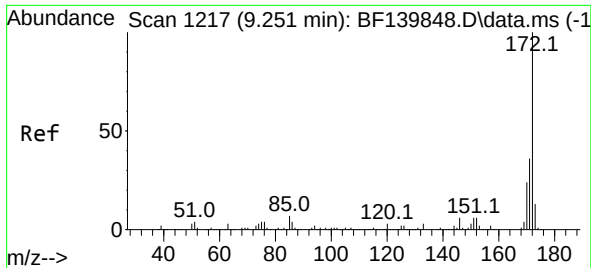


#42
2,4,6-Tribromophenol
Concen: 78.707 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41



Tgt Ion:330 Resp: 165073
Ion Ratio Lower Upper
330 100
332 95.5 78.1 117.1
141 34.2 26.6 39.8





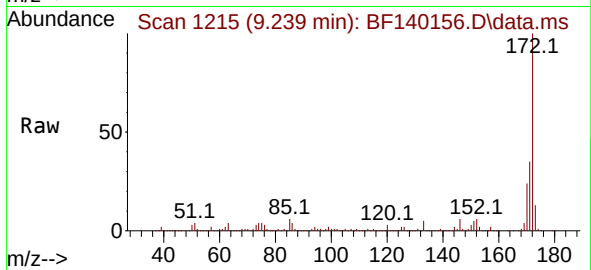
#45
2-Fluorobiphenyl
Concen: 58.151 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP



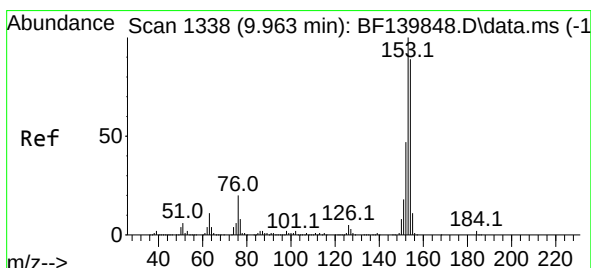
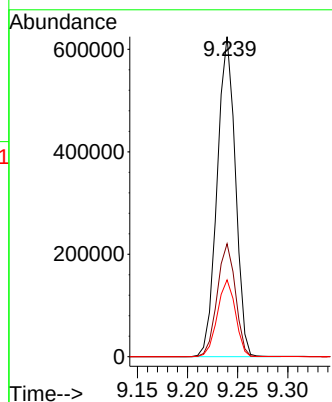
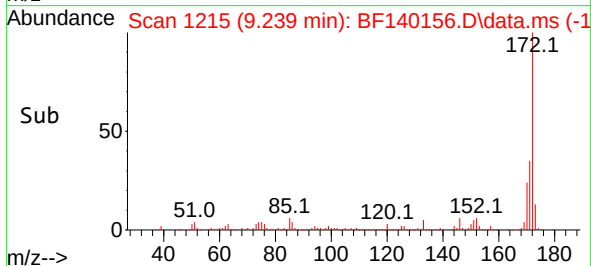
Tgt Ion:172 Resp: 78894
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 24.0 19.1 28.7

Manual Integrations

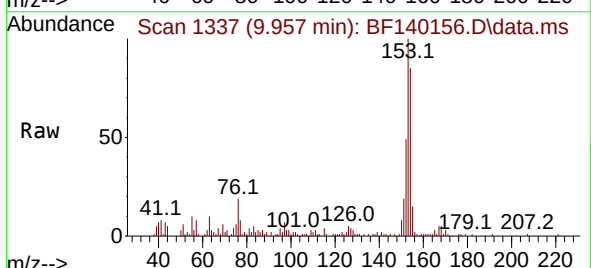
APPROVED

Reviewed By :Yogesh Patel 11/04/2024

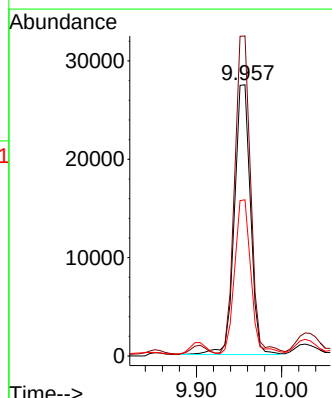
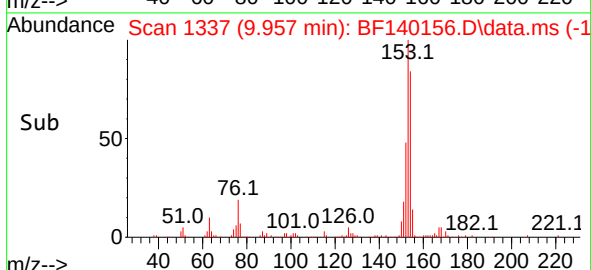
Supervised By :mohammad ahmed 11/04/2024

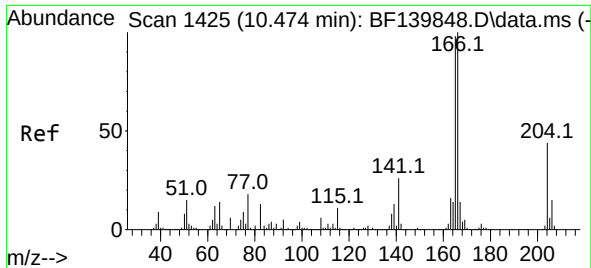


#52
Acenaphthene
Concen: 3.054 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41



Tgt Ion:154 Resp: 35905
Ion Ratio Lower Upper
154 100
153 118.0 89.8 134.6
152 57.6 42.4 63.6





#58
Fluorene
Concen: 2.610 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

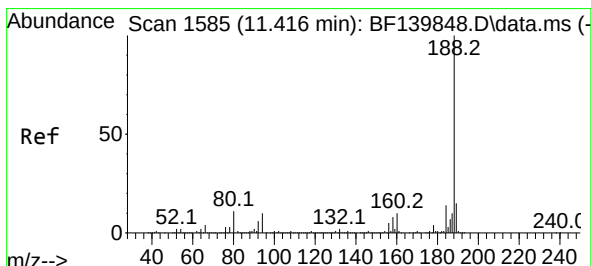
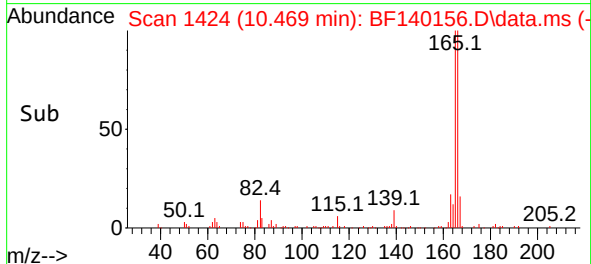
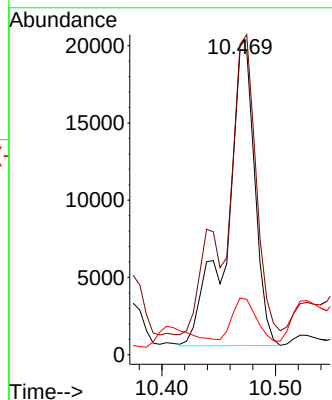
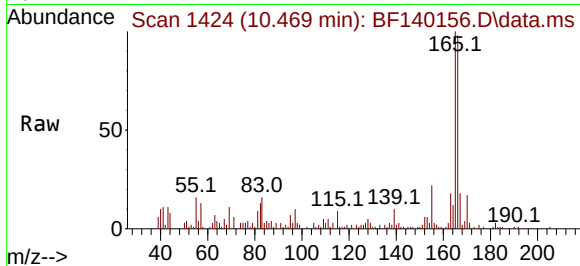
WB-305-TOP

Tgt Ion:166 Resp: 33528
Ion Ratio Lower Upper
166 100
165 102.0 78.5 117.7
167 18.6 10.9 16.3

Manual Integrations

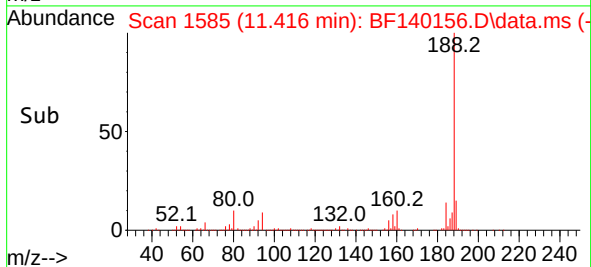
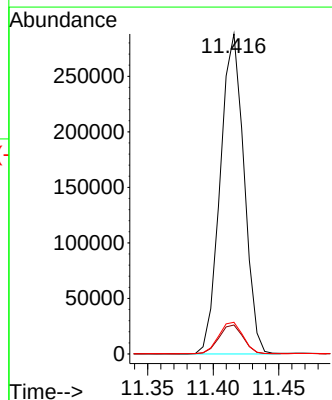
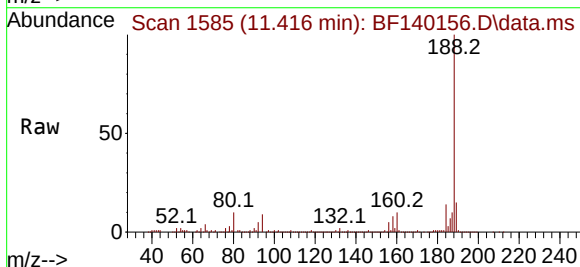
APPROVED

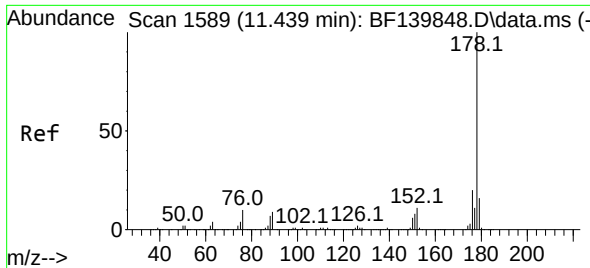
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

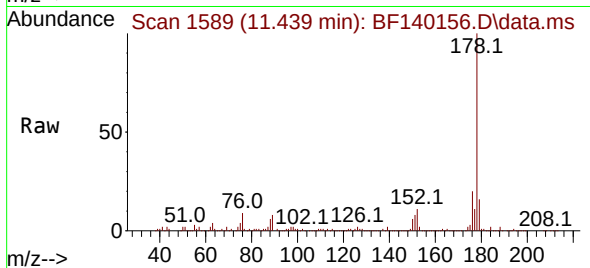
Tgt Ion:188 Resp: 363381
Ion Ratio Lower Upper
188 100
94 9.0 7.9 11.9
80 9.9 9.0 13.4





#71
Phenanthrene
Concen: 10.326 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

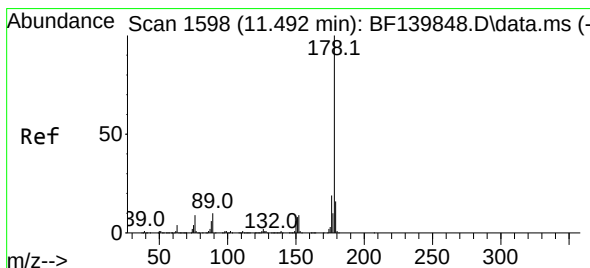
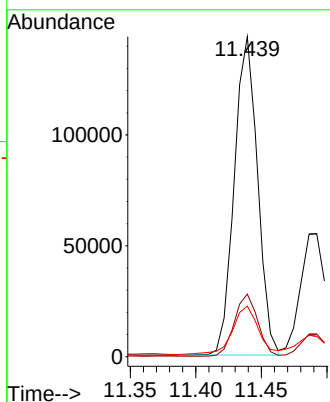
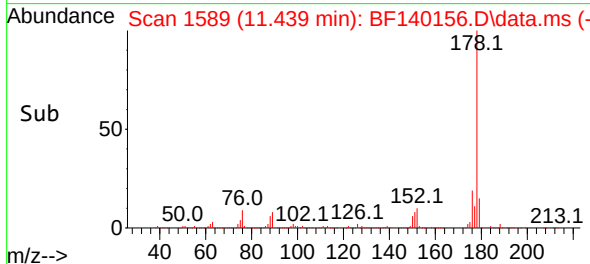
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP



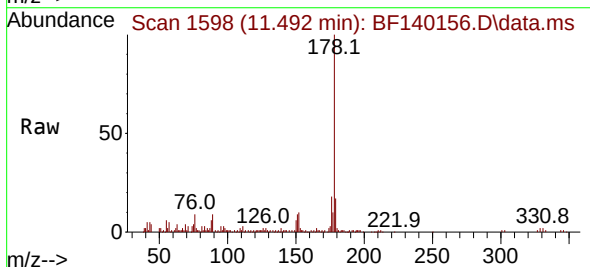
Tgt Ion:178 Resp: 177240
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.8 12.6 18.8

Manual Integrations
APPROVED

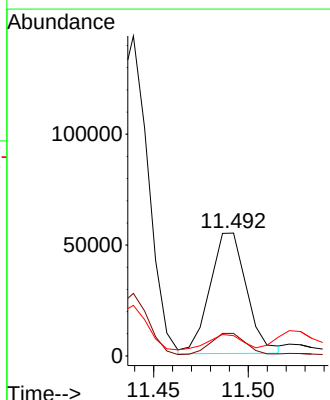
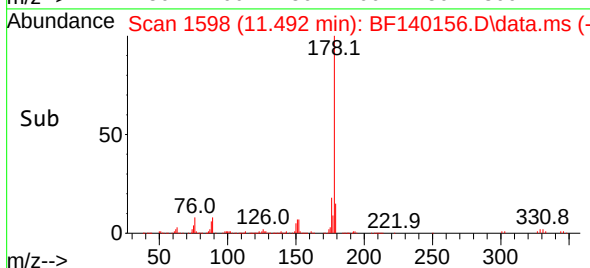
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

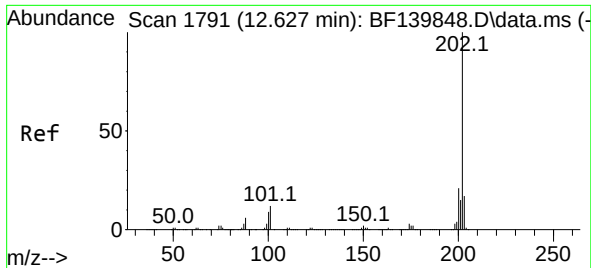


#72
Anthracene
Concen: 4.385 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41



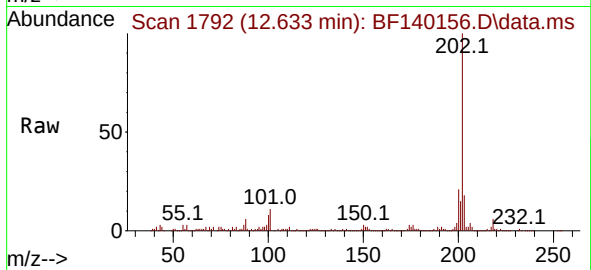
Tgt Ion:178 Resp: 73441
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 16.6 12.4 18.6





#75
Fluoranthene
Concen: 9.793 ng
RT: 12.633 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

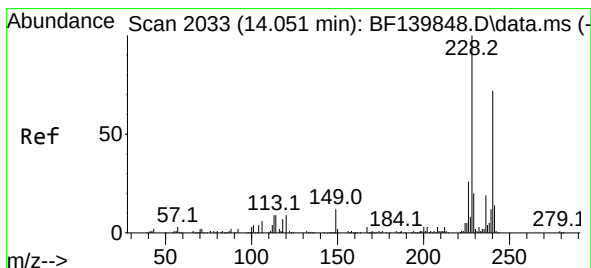
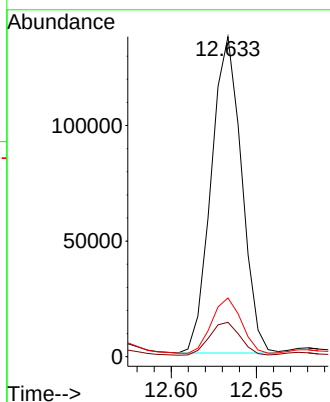
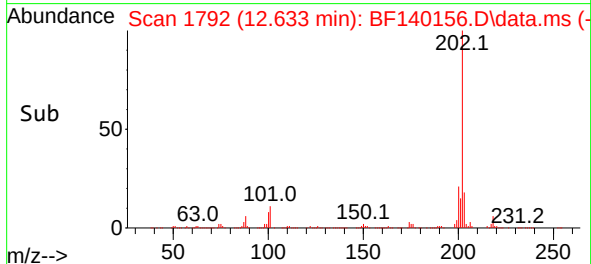
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP



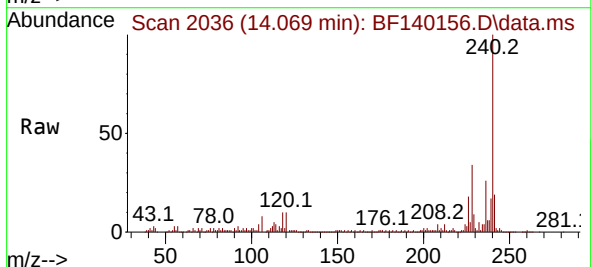
Tgt Ion:202 Resp: 169924
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.9
203 18.4 0.0 37.5

Manual Integrations
APPROVED

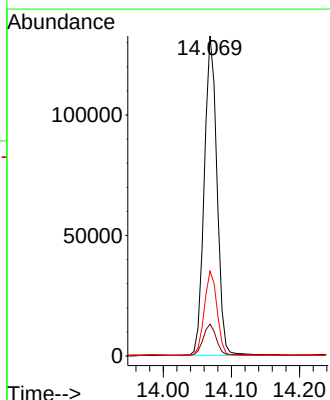
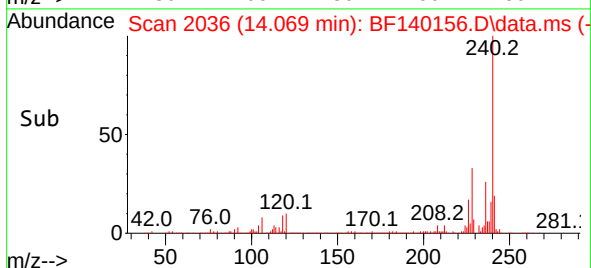
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

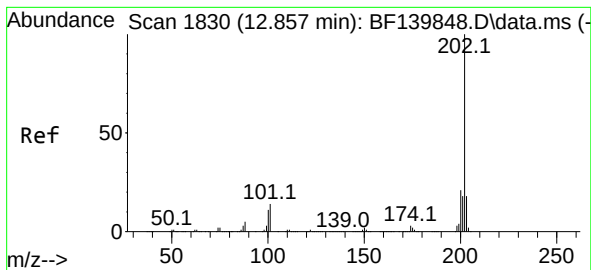


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2036
Delta R.T. 0.018 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41



Tgt Ion:240 Resp: 172346
Ion Ratio Lower Upper
240 100
120 9.9 9.4 14.2
236 26.5 20.9 31.3





#78

Pyrene

Concen: 13.775 ng

RT: 12.863 min Scan# 1831

Delta R.T. 0.006 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP

Tgt Ion:202 Resp: 20781

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

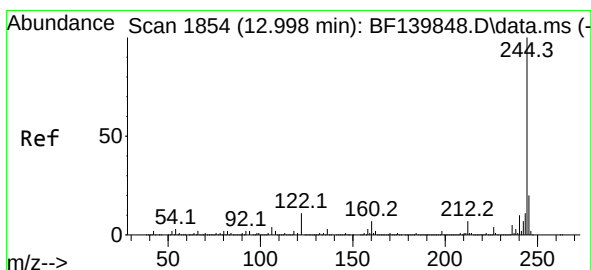
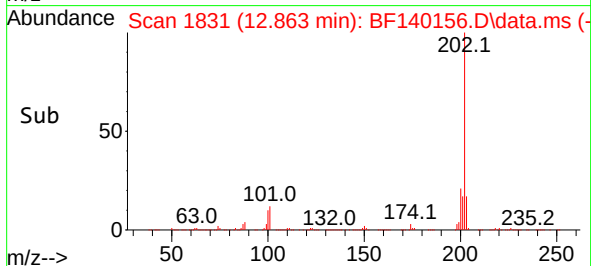
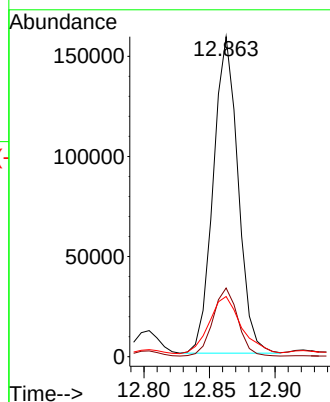
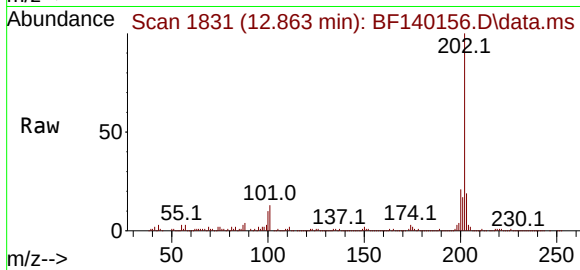
203 18.8 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#79

Terphenyl-d14

Concen: 60.613 ng

RT: 13.010 min Scan# 1856

Delta R.T. 0.012 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

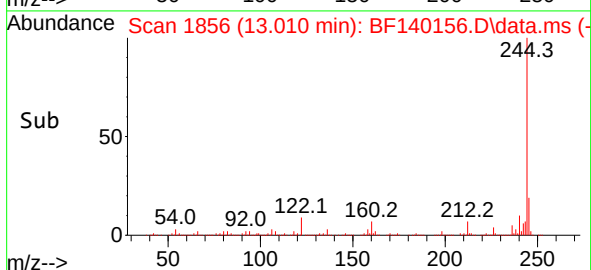
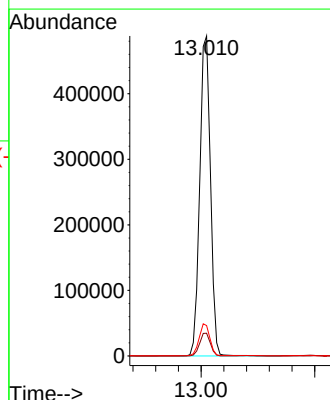
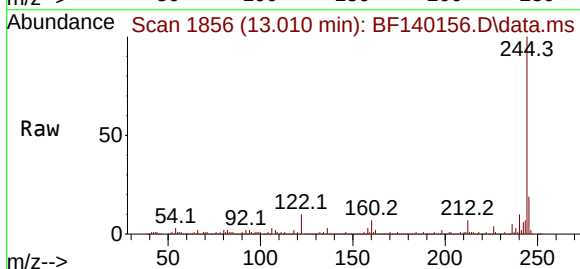
Tgt Ion:244 Resp: 641093

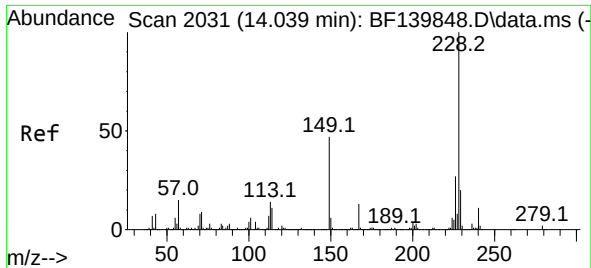
Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

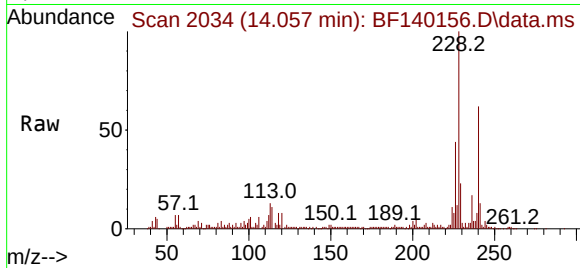
122 9.5 8.6 13.0





#81
Benzo(a)anthracene
Concen: 8.927 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.018 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

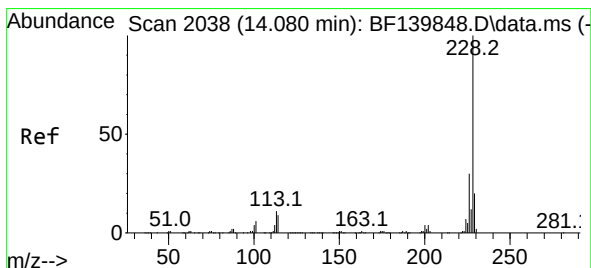
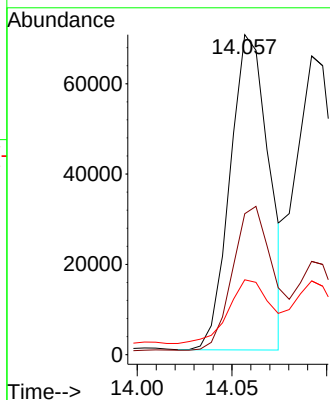
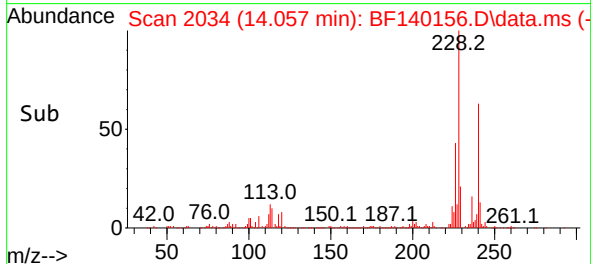
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP



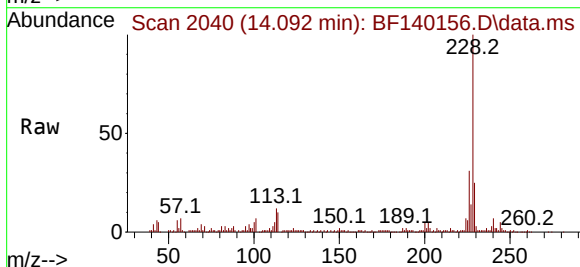
Tgt Ion:228 Resp: 100152
Ion Ratio Lower Upper
228 100
226 44.1 21.6 32.4
229 23.4 16.1 24.1

Manual Integrations
APPROVED

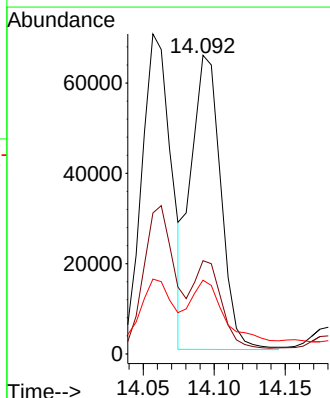
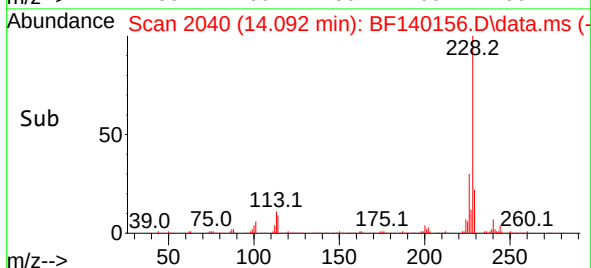
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

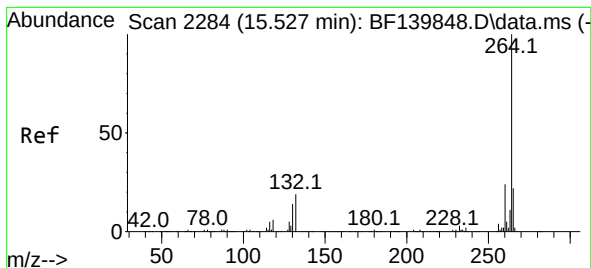


#83
Chrysene
Concen: 9.301 ng
RT: 14.092 min Scan# 2040
Delta R.T. 0.012 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41



Tgt Ion:228 Resp: 95672
Ion Ratio Lower Upper
228 100
226 31.2 24.1 36.1
229 24.7 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP

Tgt Ion:264 Resp: 22097

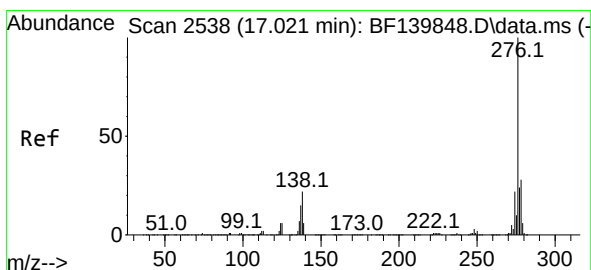
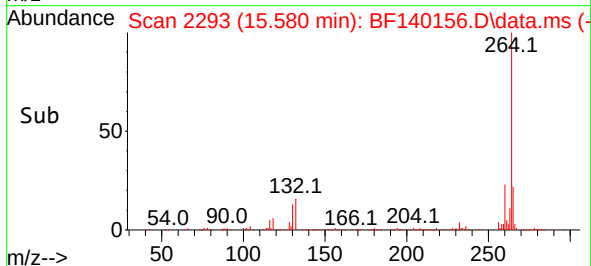
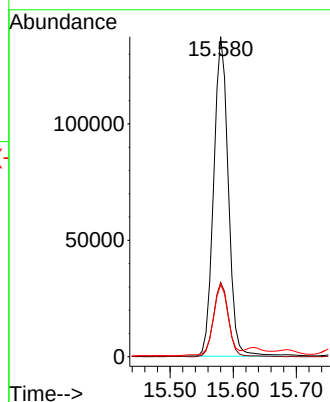
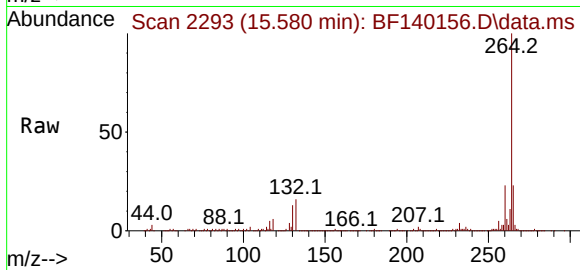
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.2
265	22.5	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.958 ng

RT: 17.098 min Scan# 2551

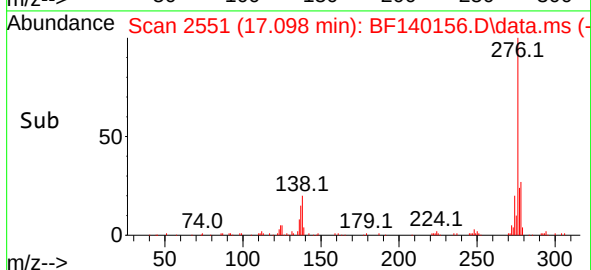
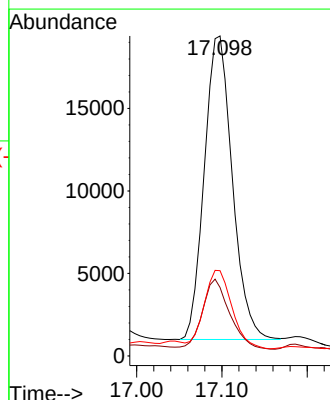
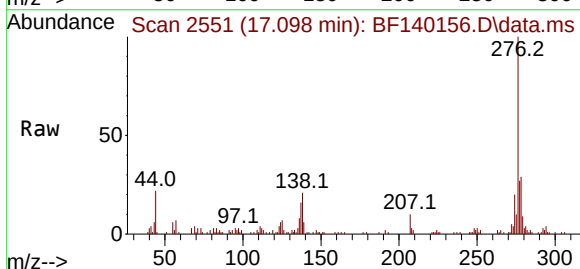
Delta R.T. 0.077 min

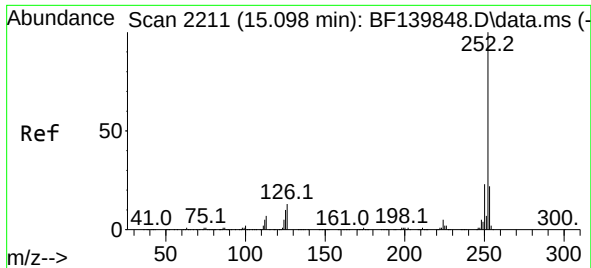
Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

Tgt Ion:276 Resp: 42053

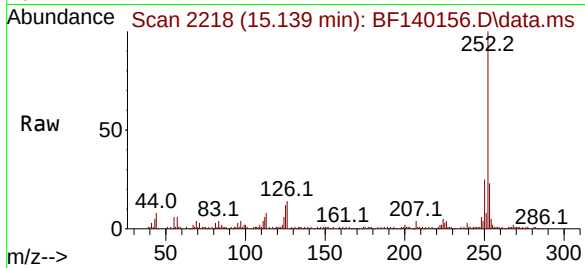
Ion	Ratio	Lower	Upper
276	100		
138	22.6	20.4	30.6
277	25.7	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 6.433 ng m
RT: 15.139 min Scan# 2218
Delta R.T. 0.041 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

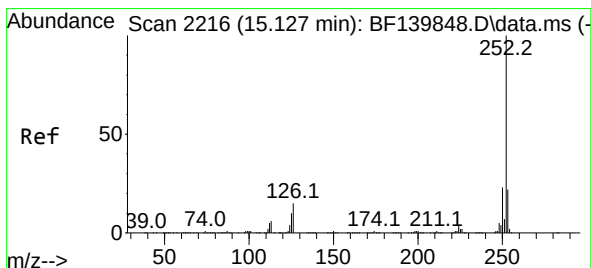
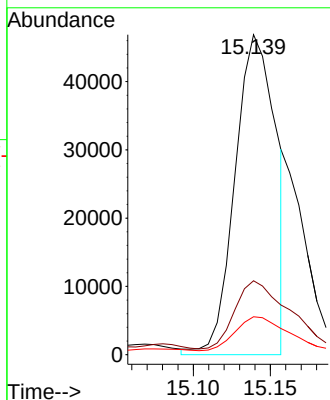
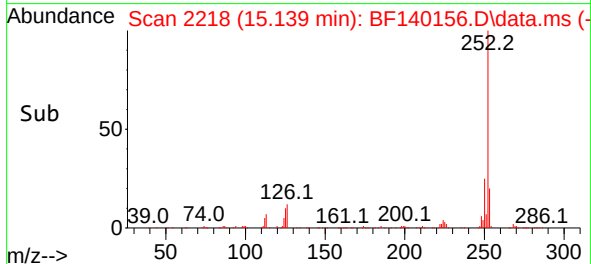
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP



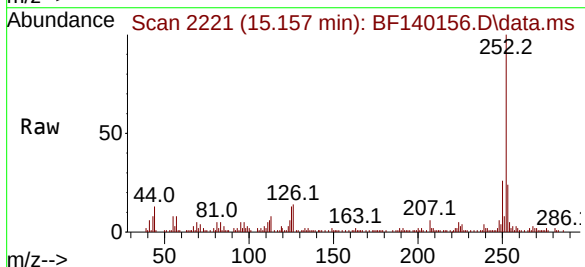
Tgt Ion:252 Resp: 8658
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 11.9 7.9 11.9

Manual Integrations
APPROVED

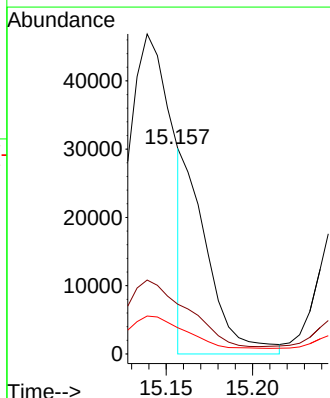
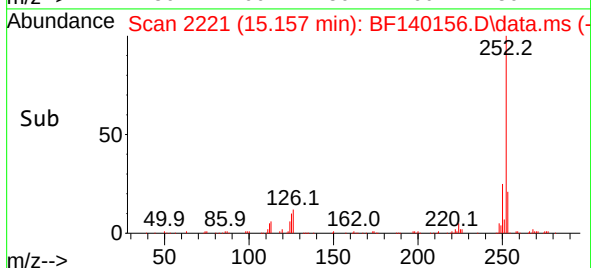
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

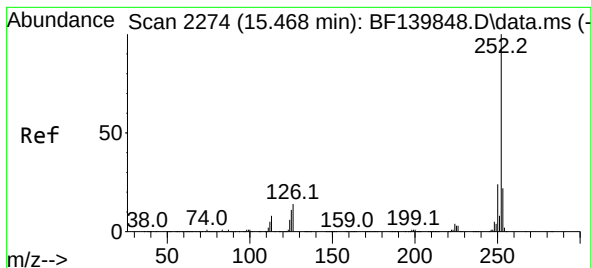


#89
Benzo(k)fluoranthene
Concen: 2.539 ng m
RT: 15.157 min Scan# 2221
Delta R.T. 0.030 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41



Tgt Ion:252 Resp: 29472
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 12.8 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 8.501 ng

RT: 15.515 min Scan# 21

Delta R.T. 0.047 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP

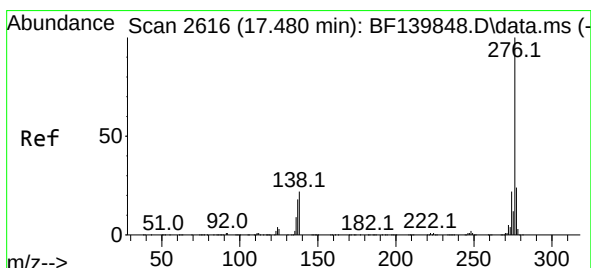
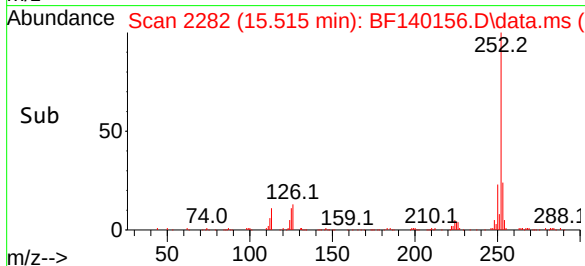
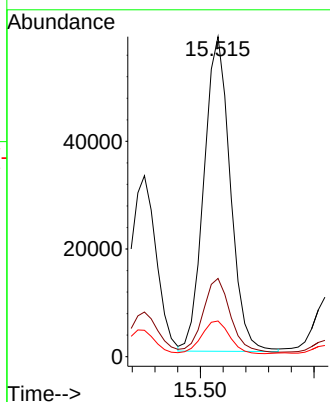
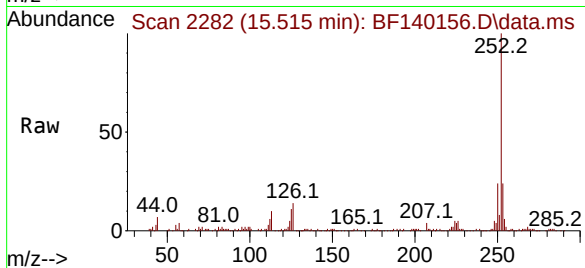
Tgt Ion:	252	Resp:	9416
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.3	25.9
125	11.2	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#92

Benzo(g,h,i)perylene

Concen: 3.654 ng

RT: 17.551 min Scan# 2628

Delta R.T. 0.071 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

Tgt Ion:	276	Resp:	43282
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.0	28.6
138	22.2	17.4	26.0

