

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140378.D
 Acq On : 14 Nov 2024 22:20
 Operator : RC/JU
 Sample : P4768-06DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6-2DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :mohammad ahmed 11/15/2024

Quant Time: Nov 15 00:30:24 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	135115	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	504974	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	233440	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	349983	20.000	ng	0.00
76) Chrysene-d12	14.051	240	247139	20.000	ng	0.00
86) Perylene-d12	15.539	264	180477	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	320181	40.460	ng	0.01
7) Phenol-d6	6.516	99	420745	39.243	ng	0.01
23) Nitrobenzene-d5	7.434	82	263207	27.157	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	70598	30.412	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	479622	33.028	ng	0.00
79) Terphenyl-d14	12.986	244	387993	27.251	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.769	152	67545	3.451	ng	98
55) Dibenzofuran	10.116	168	38101	2.036	ng	# 97
58) Fluorene	10.457	166	45390	3.070	ng	95
71) Phenanthrene	11.422	178	515919	31.381	ng	100
72) Anthracene	11.474	178	150914	9.366	ng	99
75) Fluoranthene	12.616	202	735343	39.867	ng	99
78) Pyrene	12.845	202	620501	29.353	ng	99
81) Benzo(a)anthracene	14.039	228	377982	23.271	ng	96
83) Chrysene	14.074	228	252404	17.031	ng	96
87) Indeno(1,2,3-cd)pyrene	17.033	276	66010	5.921	ng	98
88) Benzo(b)fluoranthene	15.104	252	216383m	18.328	ng	
89) Benzo(k)fluoranthene	15.121	252	75299m	7.807	ng	
90) Benzo(a)pyrene	15.474	252	141682	15.454	ng	97
91) Dibenzo(a,h)anthracene	17.045	278	20116	2.183	ng	# 81
92) Benzo(g,h,i)perylene	17.486	276	53603	5.690	ng	# 92

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

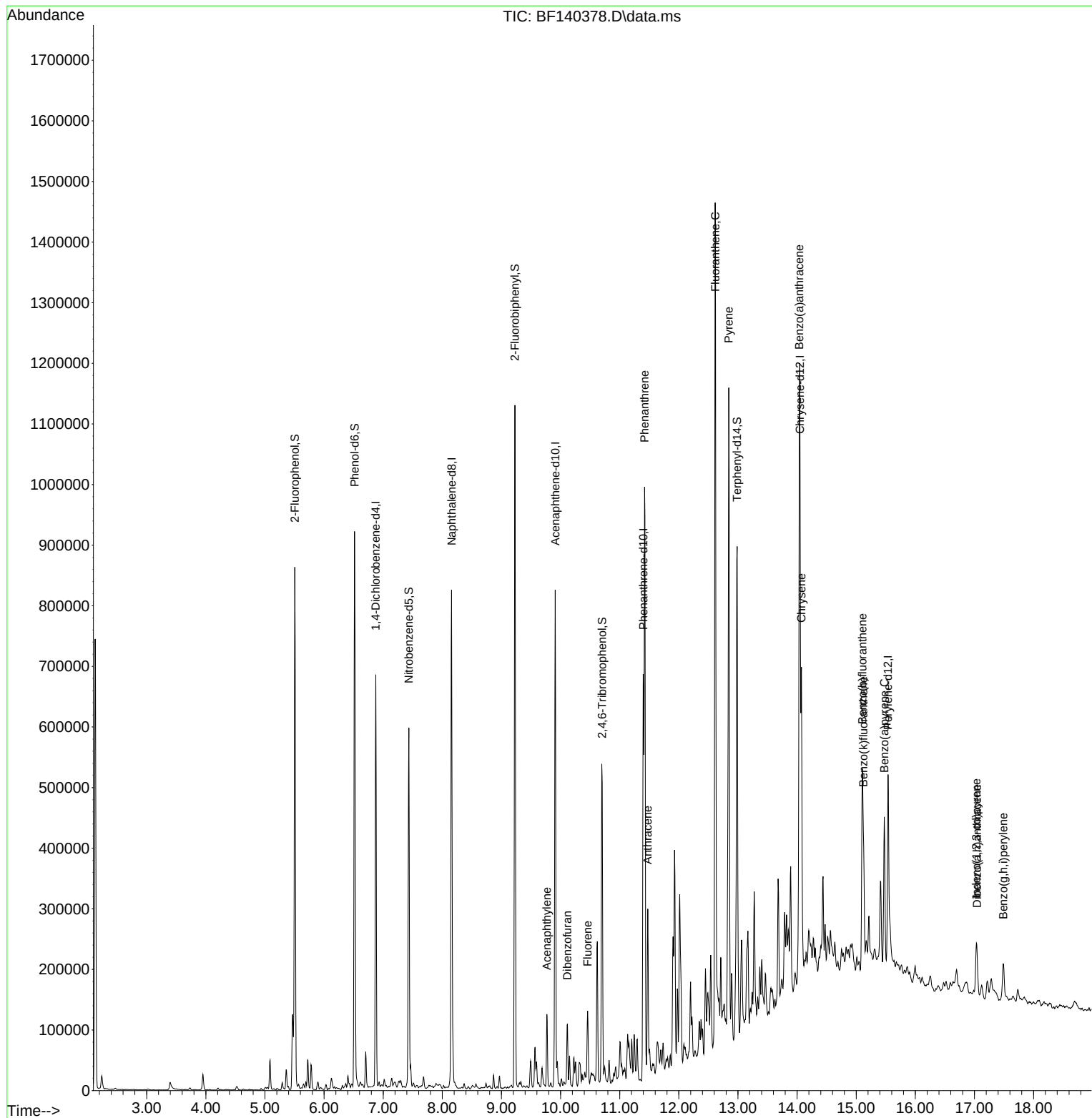
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
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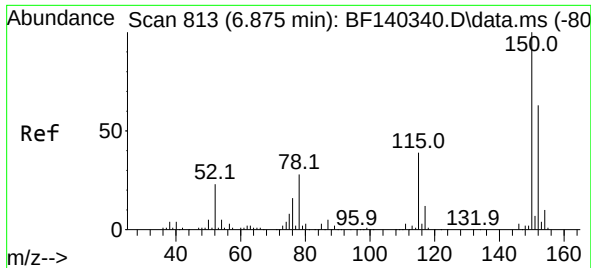
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Quant Time: Nov 15 00:30:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
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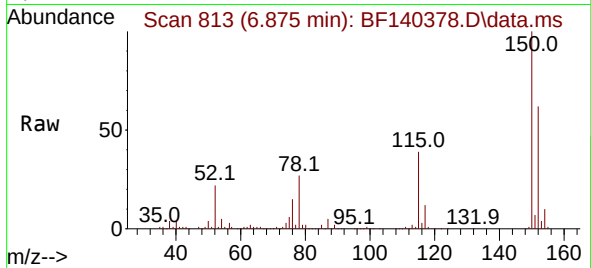
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

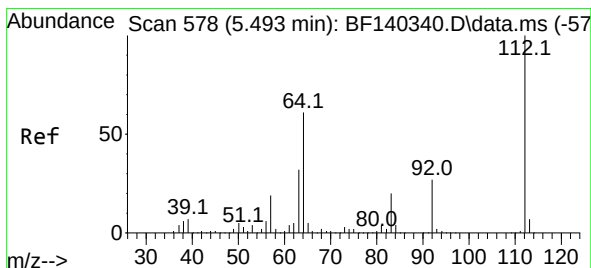
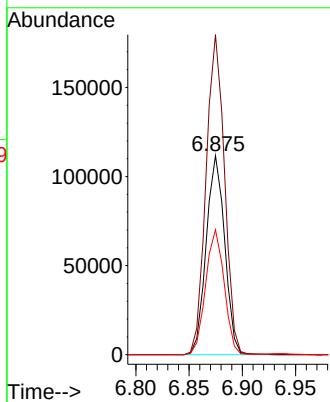
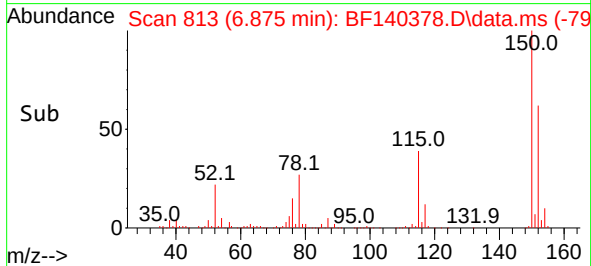
Instrument :
BNA_F
ClientSampleId :
B-6-2DL



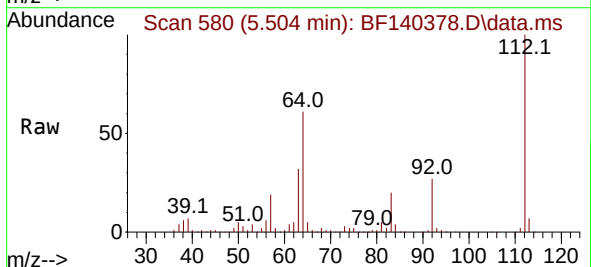
Tgt Ion:152 Resp: 135115
Ion Ratio Lower Upper
152 100
150 160.8 127.4 191.0
115 62.8 47.4 71.2

Manual Integrations
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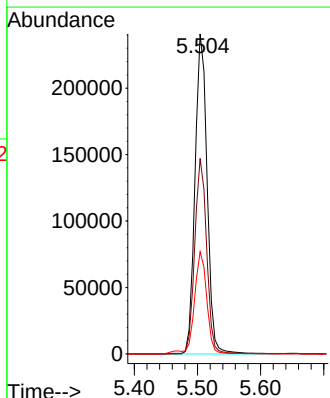
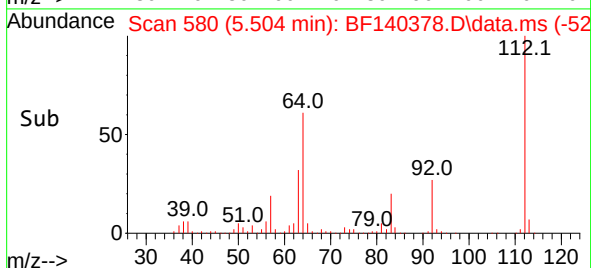
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

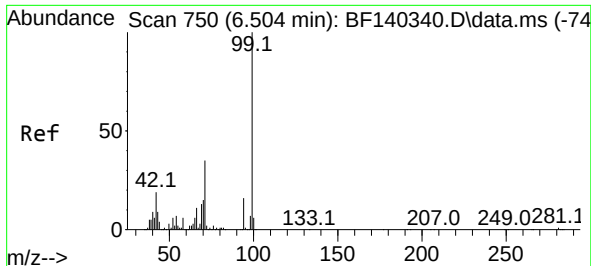


#5
2-Fluorophenol
Concen: 40.460 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20



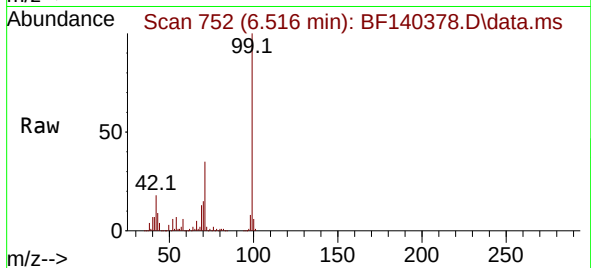
Tgt Ion:112 Resp: 320181
Ion Ratio Lower Upper
112 100
64 61.1 49.2 73.8
63 31.9 25.6 38.4





#7
Phenol-d6
Concen: 39.243 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

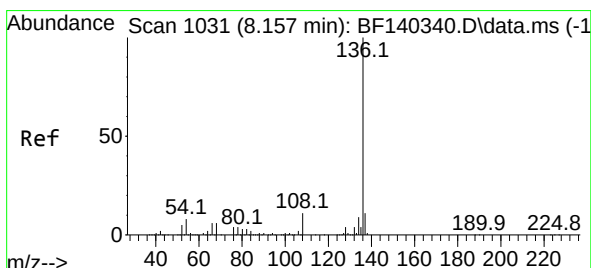
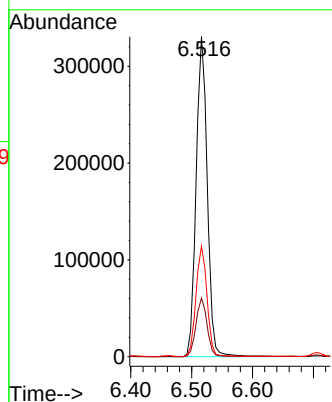
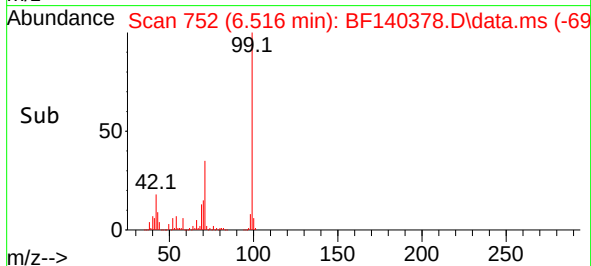
Instrument :
BNA_F
ClientSampleId :
B-6-2DL



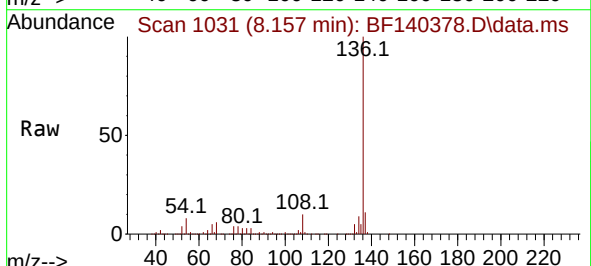
Tgt Ion: 99 Resp: 42074
Ion Ratio Lower Upper
99 100
42 18.3 15.1 22.7
71 34.6 27.9 41.9

Manual Integrations
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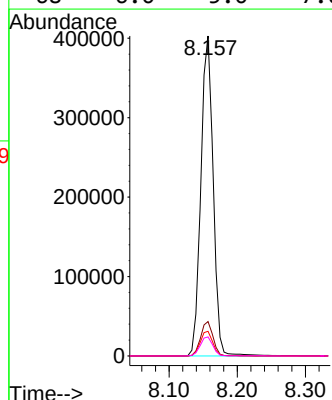
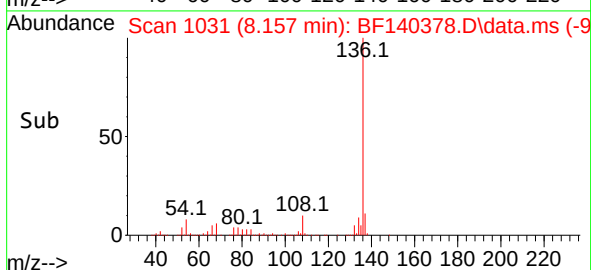
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

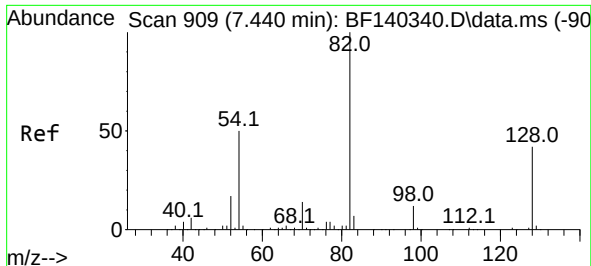


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20



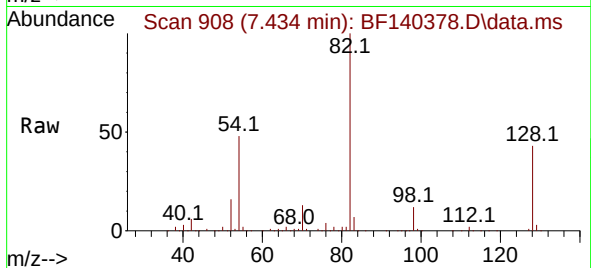
Tgt Ion:136 Resp: 504974
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.7 6.5 9.7
68 6.0 5.0 7.6





#23
Nitrobenzene-d5
Concen: 27.157 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

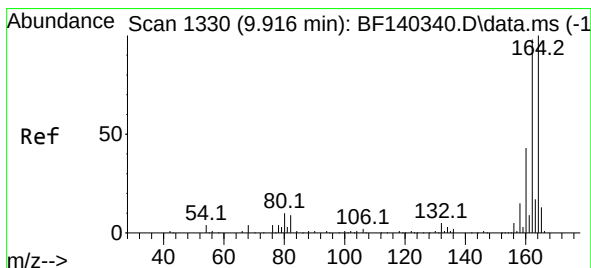
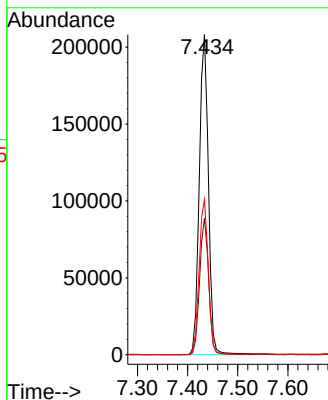
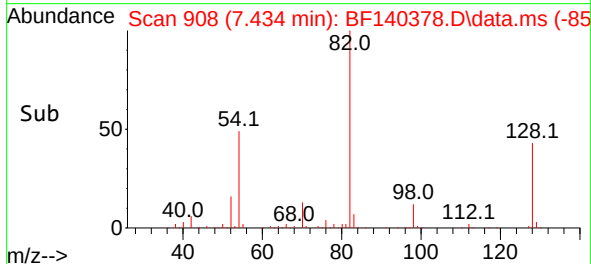
Instrument :
BNA_F
ClientSampleId :
B-6-2DL



Tgt Ion: 82 Resp: 26320
Ion Ratio Lower Upper
82 100
128 42.7 33.3 49.9
54 48.5 39.8 59.8

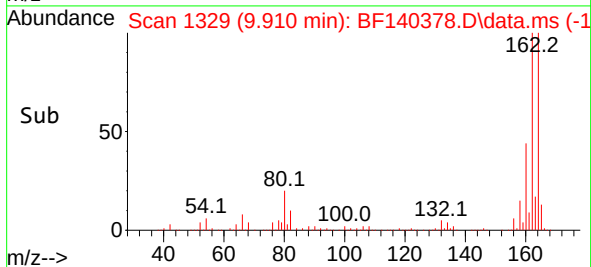
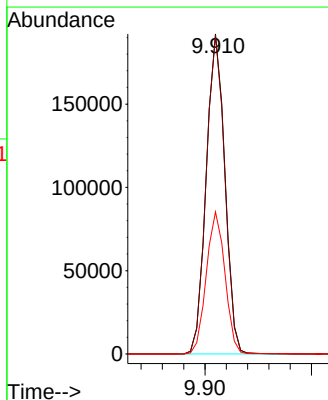
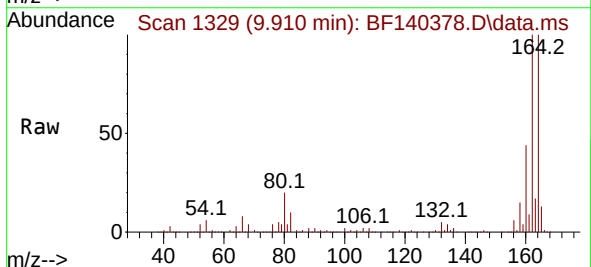
Manual Integrations
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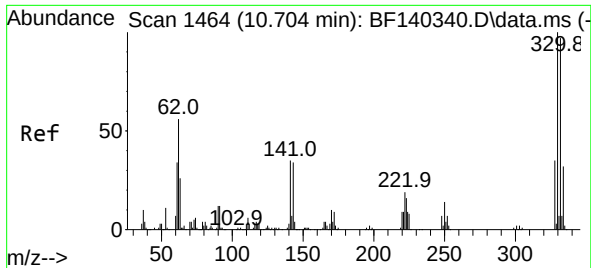
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

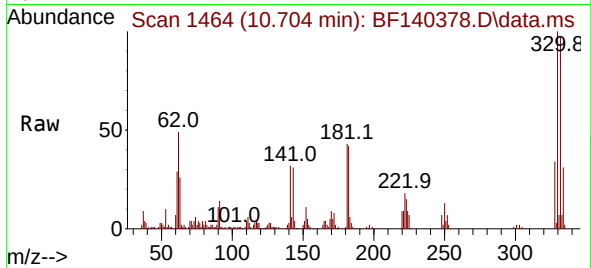
Tgt Ion:164 Resp: 233440
Ion Ratio Lower Upper
164 100
162 99.5 79.8 119.8
160 44.4 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 30.412 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

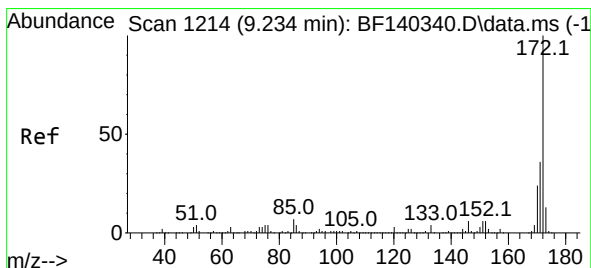
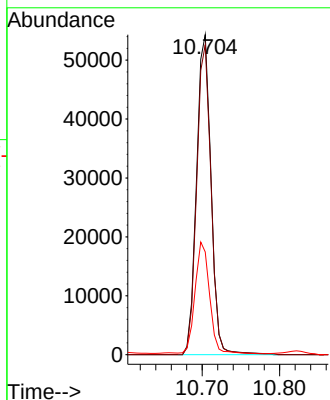
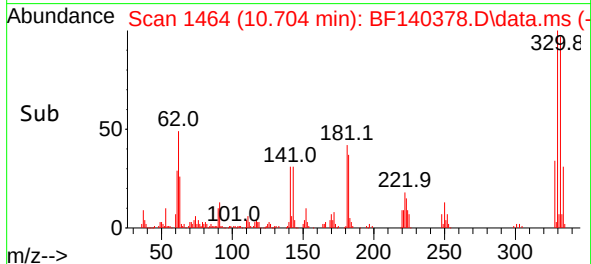
Instrument :
BNA_F
ClientSampleId :
B-6-2DL



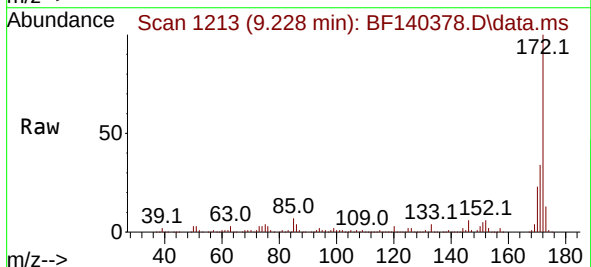
Tgt Ion: 330 Resp: 70598
Ion Ratio Lower Upper
330 100
332 96.3 75.9 113.9
141 34.8 26.9 40.3

Manual Integrations
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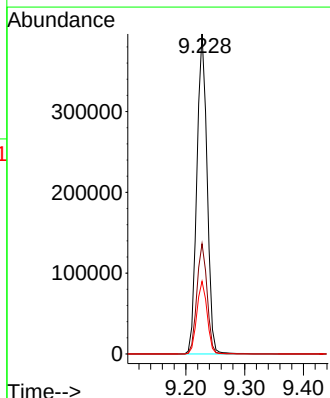
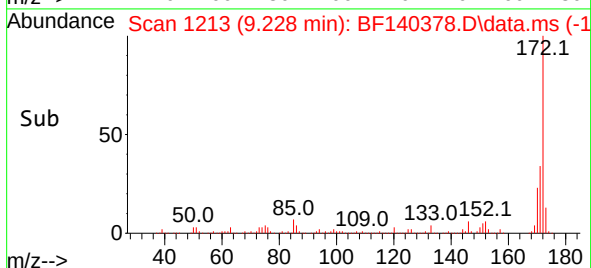
Reviewed By : Yogesh Patel 11/15/2024
Supervised By : mohammad ahmed 11/15/2024

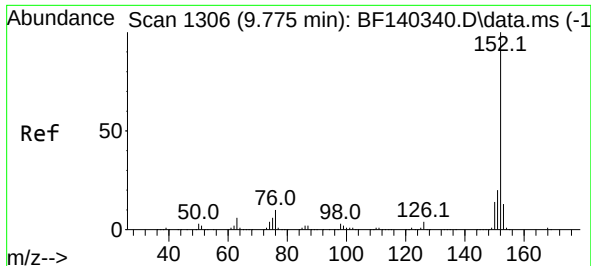


#45
2-Fluorobiphenyl
Concen: 33.028 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20



Tgt Ion: 172 Resp: 479622
Ion Ratio Lower Upper
172 100
171 34.5 28.5 42.7
170 22.7 19.1 28.7





#49

Acenaphthylene

Concen: 3.451 ng

RT: 9.769 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

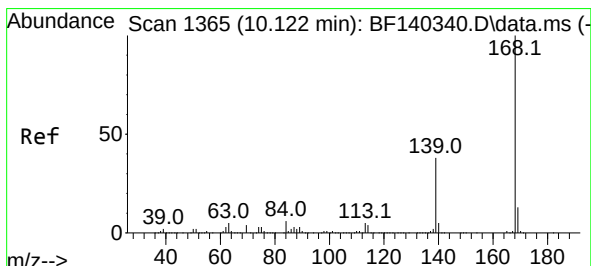
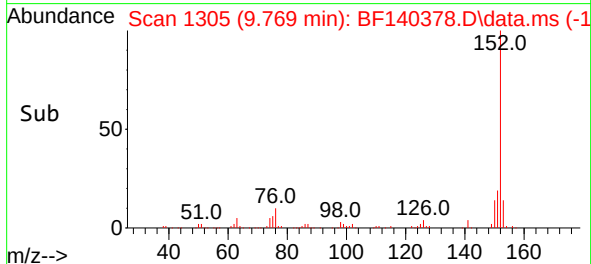
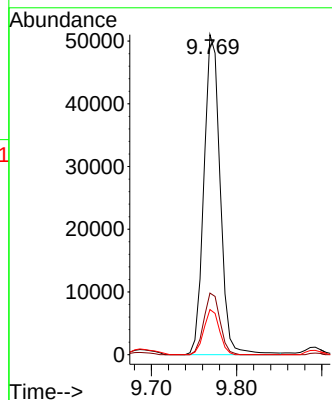
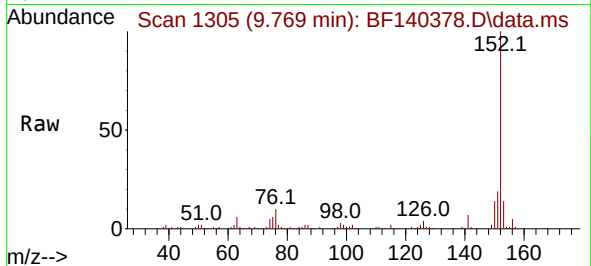
Tgt Ion:152	Resp:	6754
Ion Ratio	Lower	Upper
152	100	
151	19.3	16.1 24.1
153	14.1	10.7 16.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#55

Dibenzofuran

Concen: 2.036 ng

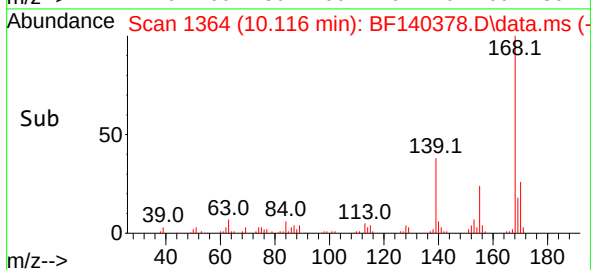
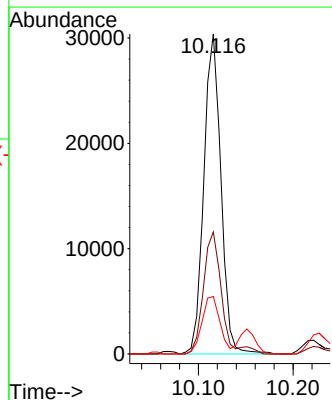
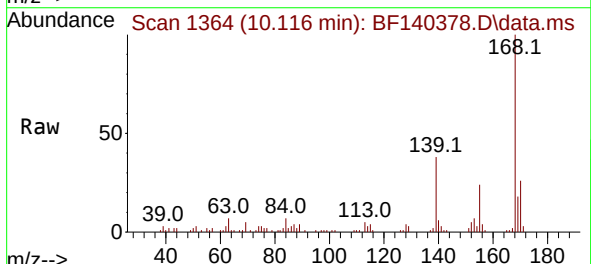
RT: 10.116 min Scan# 1364

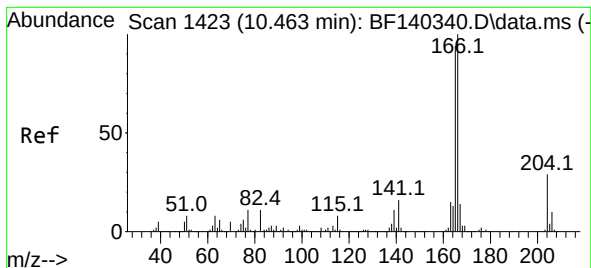
Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Tgt Ion:168	Resp:	38101
Ion Ratio	Lower	Upper
168	100	
139	38.2	30.8 46.2
169	17.9	10.8 16.2





#58

Fluorene

Concen: 3.070 ng

RT: 10.457 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

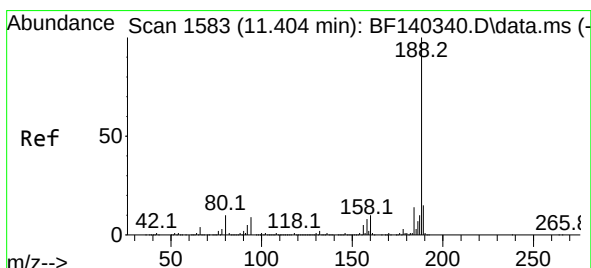
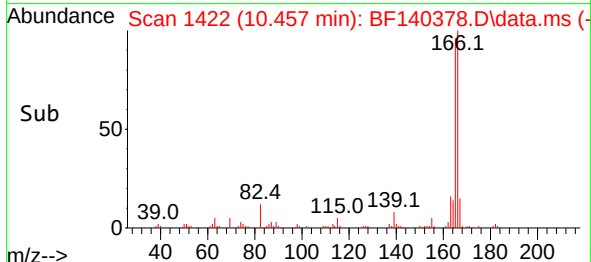
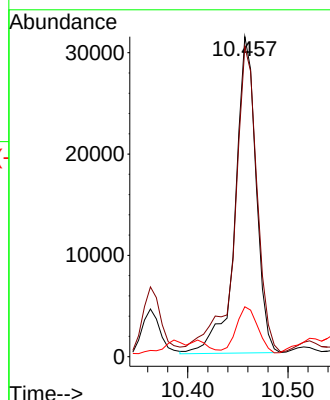
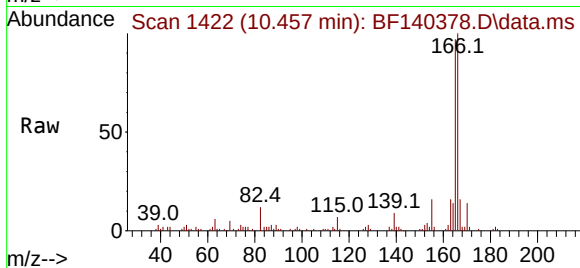
Tgt Ion:166 Resp: 45390
 Ion Ratio Lower Upper
 166 100
 165 96.9 73.9 110.9
 167 15.6 10.9 16.3

Manual Integrations

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Supervised By :mohammad ahmed 11/15/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

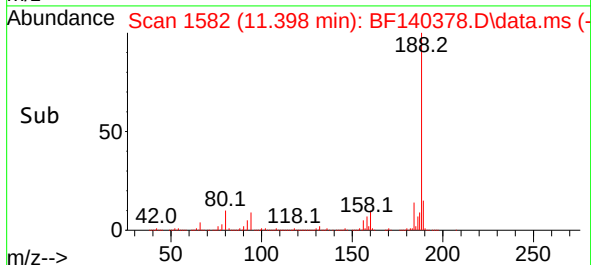
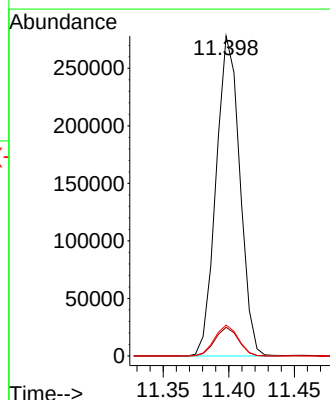
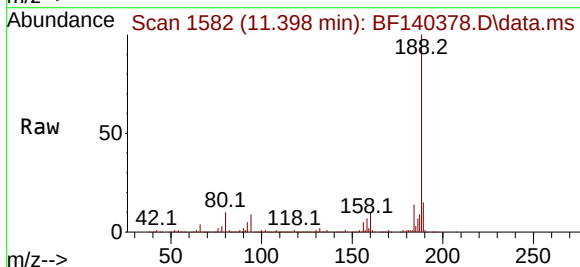
RT: 11.398 min Scan# 1582

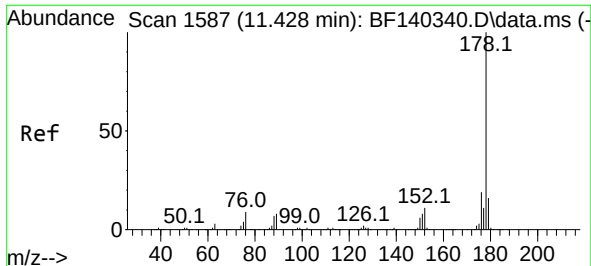
Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Tgt Ion:188 Resp: 349983
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.6 11.4
 80 9.6 8.0 12.0





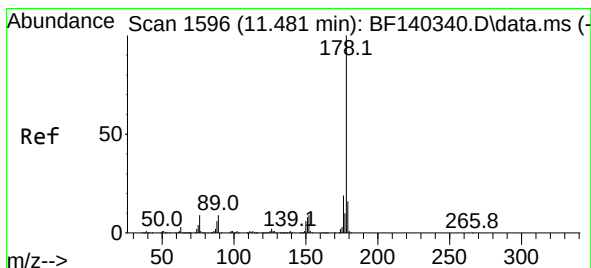
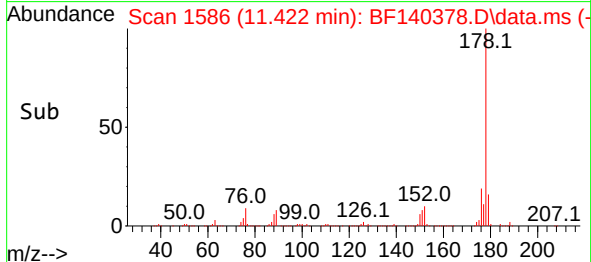
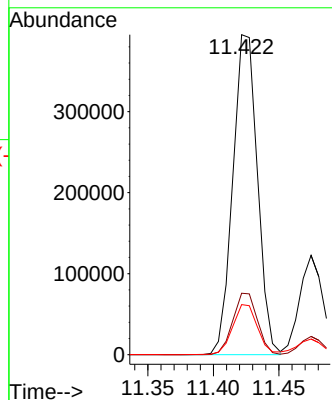
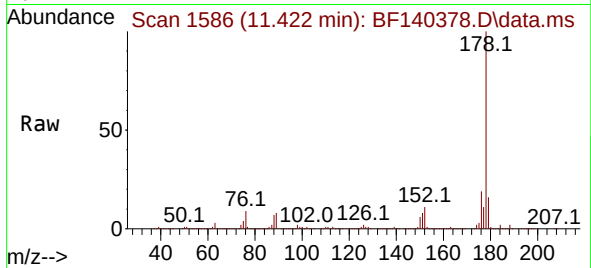
#71
Phenanthrene
Concen: 31.381 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Instrument :
BNA_F
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B-6-2DL

Tgt Ion:178 Resp: 515919
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.6 12.4 18.6

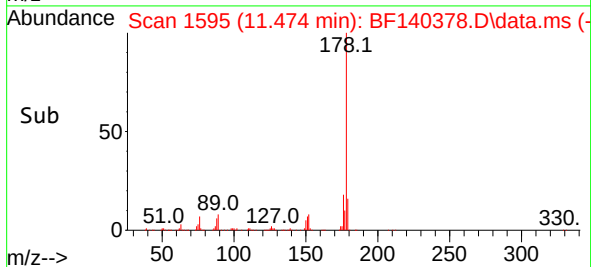
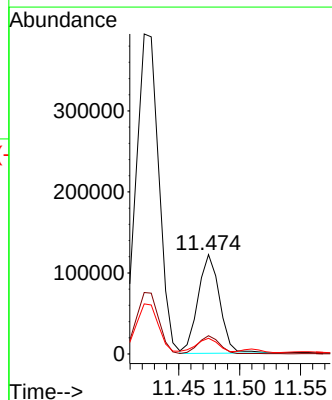
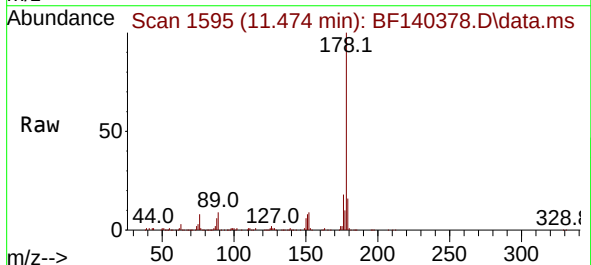
Manual Integrations
APPROVED

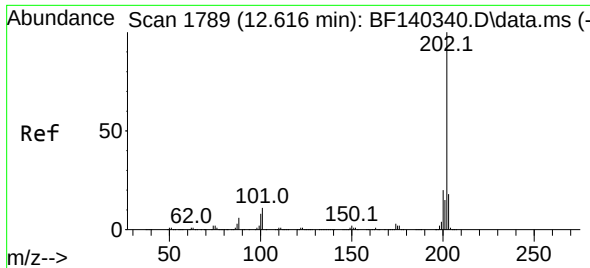
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#72
Anthracene
Concen: 9.366 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

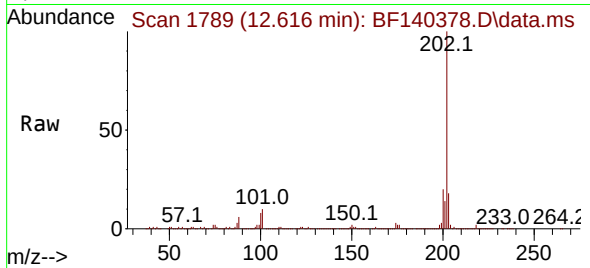
Tgt Ion:178 Resp: 150914
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.8 12.6 18.8





#75
Fluoranthene
Concen: 39.867 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

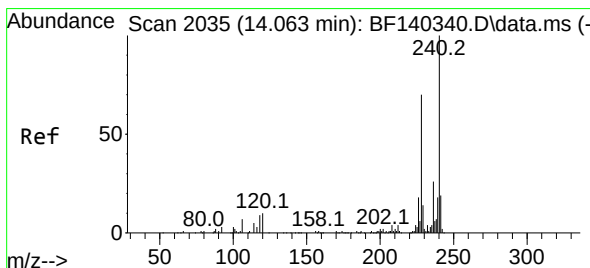
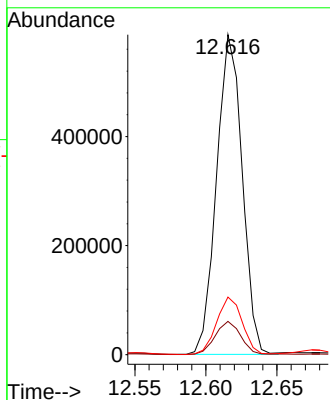
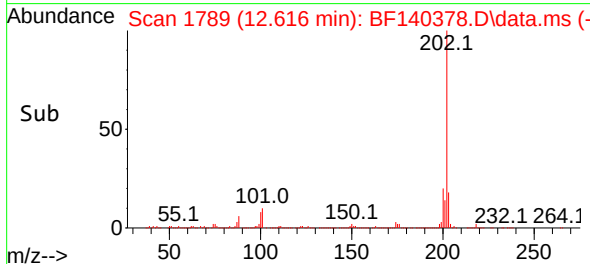
Instrument :
BNA_F
ClientSampleId :
B-6-2DL



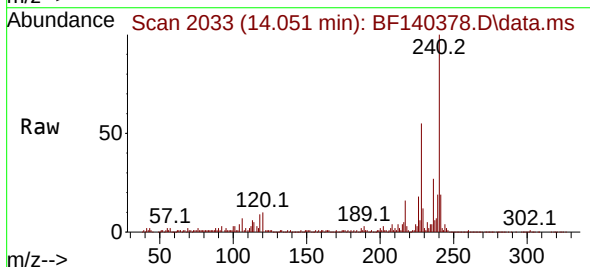
Tgt Ion:202 Resp: 73534
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.7
203 18.0 0.0 37.7

Manual Integrations
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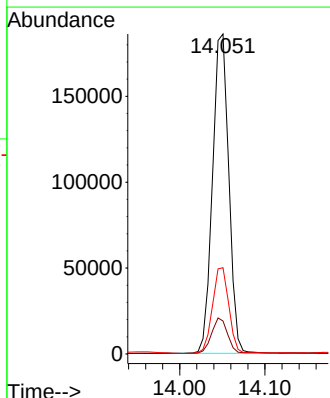
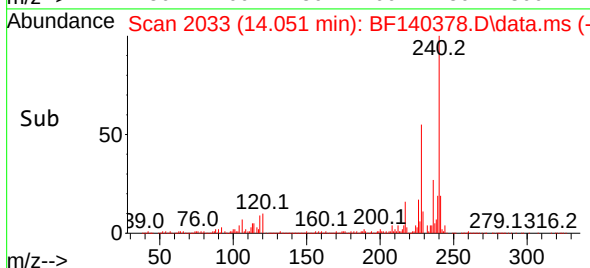
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

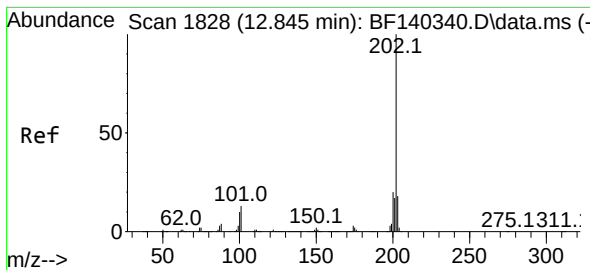


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20



Tgt Ion:240 Resp: 247139
Ion Ratio Lower Upper
240 100
120 10.3 8.8 13.2
236 27.0 20.9 31.3





#78

Pyrene

Concen: 29.353 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

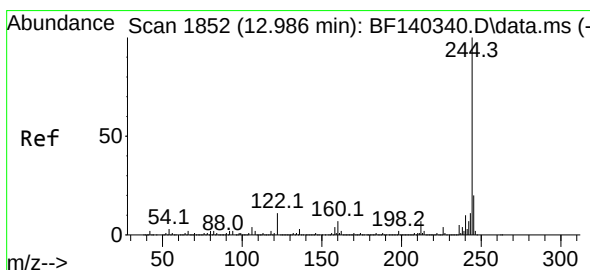
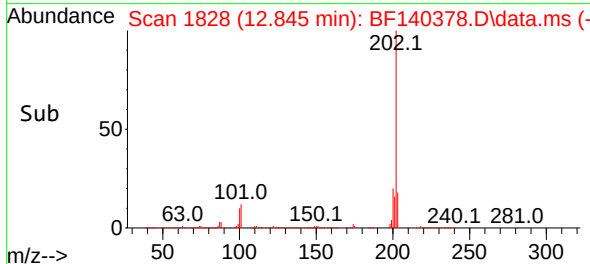
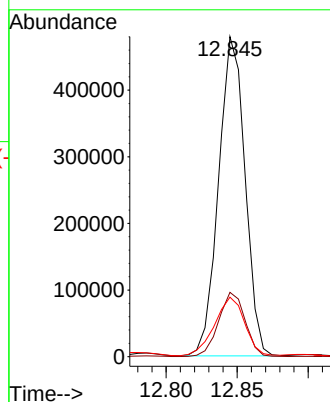
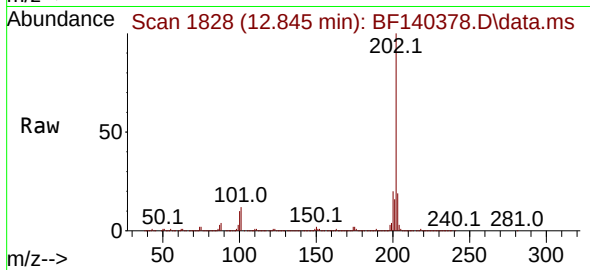
Tgt Ion:	202	Resp:	62050
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.2	24.2
203	18.6	14.2	21.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#79

Terphenyl-d14

Concen: 27.251 ng

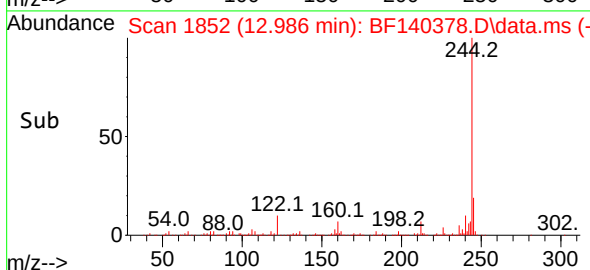
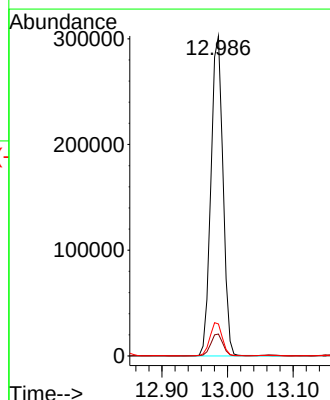
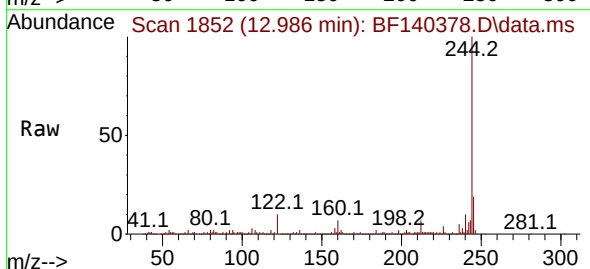
RT: 12.986 min Scan# 1852

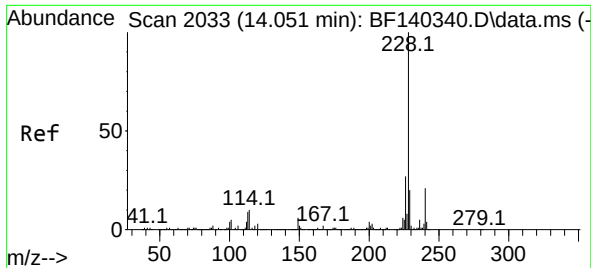
Delta R.T. -0.000 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

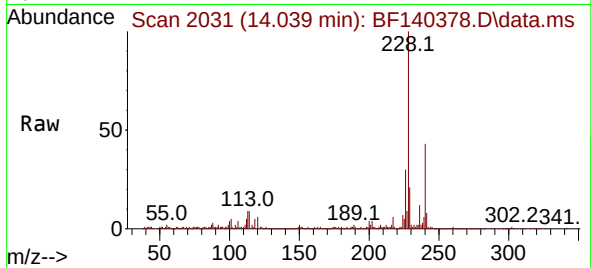
Tgt Ion:	244	Resp:	387993
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.8
122	10.0	8.8	13.2





#81
Benzo(a)anthracene
Concen: 23.271 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

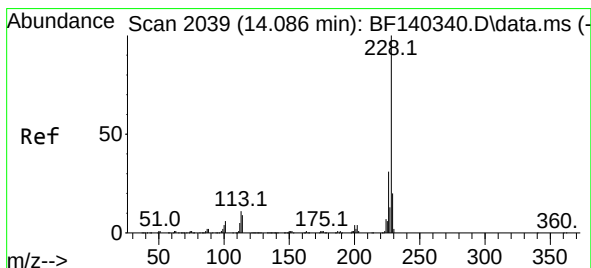
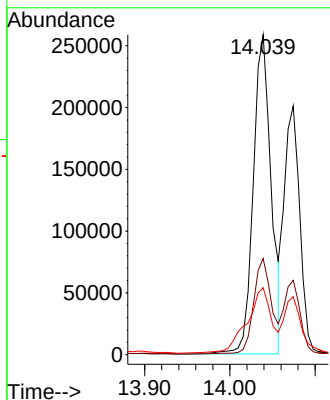
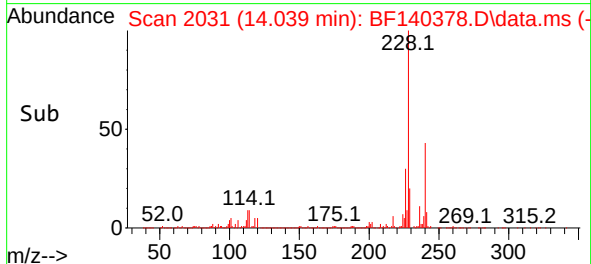
Instrument :
BNA_F
ClientSampleId :
B-6-2DL



Tgt Ion:228 Resp: 37798
Ion Ratio Lower Upper
228 100
226 30.0 22.2 33.4
229 20.9 15.8 23.6

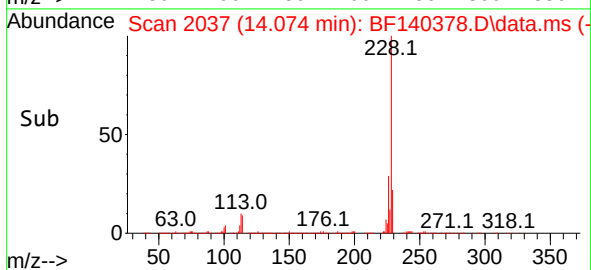
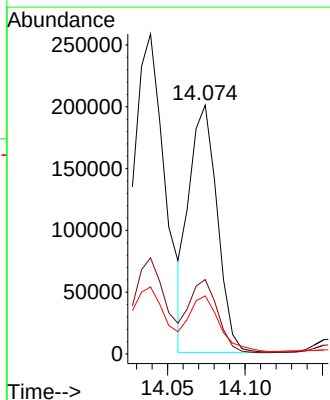
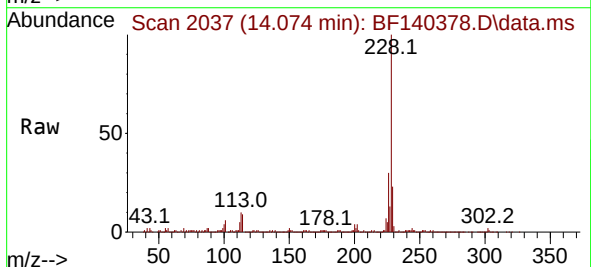
Manual Integrations
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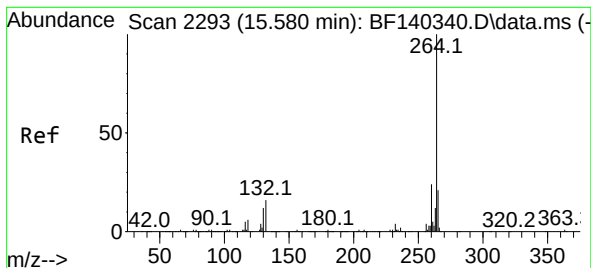
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#83
Chrysene
Concen: 17.031 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

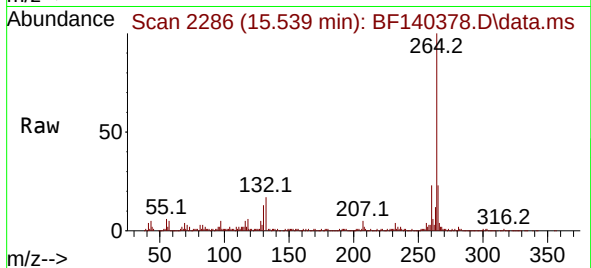
Tgt Ion:228 Resp: 252404
Ion Ratio Lower Upper
228 100
226 29.9 24.5 36.7
229 23.3 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

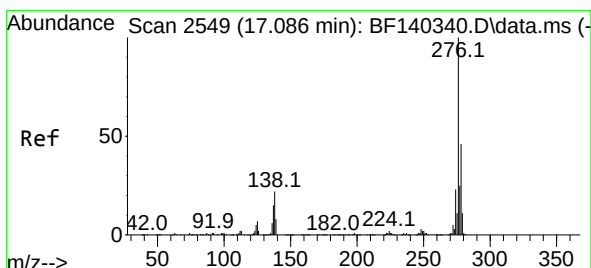
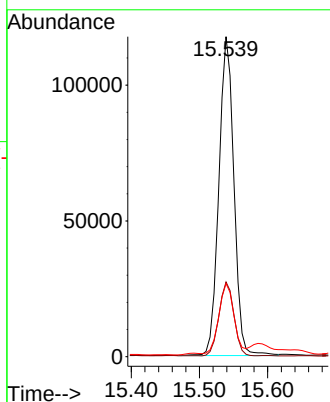
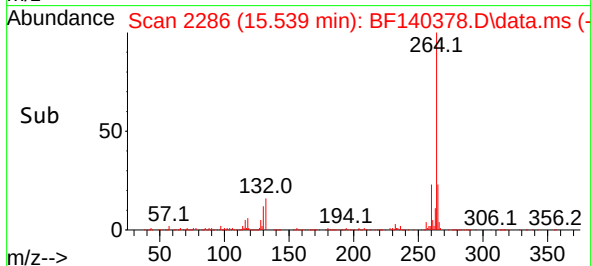
Instrument :
BNA_F
ClientSampleId :
B-6-2DL



Tgt Ion:264 Resp: 18047
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 22.9 17.1 25.7

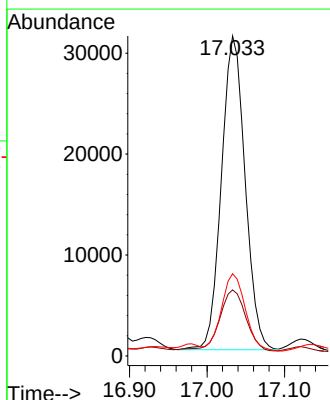
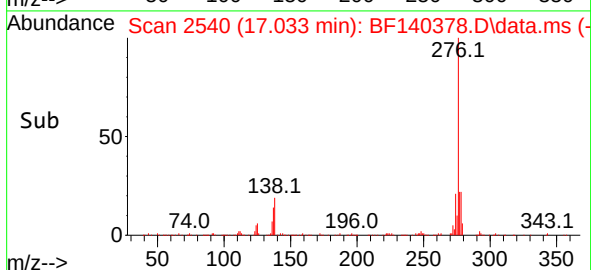
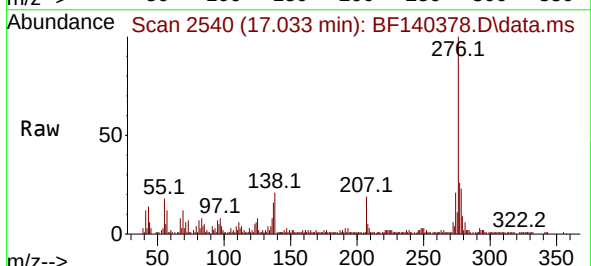
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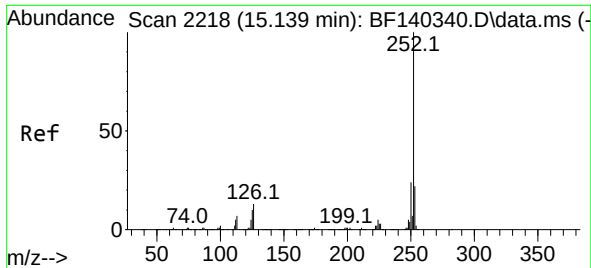
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.921 ng
RT: 17.033 min Scan# 2540
Delta R.T. -0.024 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Tgt Ion:276 Resp: 66010
Ion Ratio Lower Upper
276 100
138 21.7 18.8 28.2
277 25.1 20.2 30.2





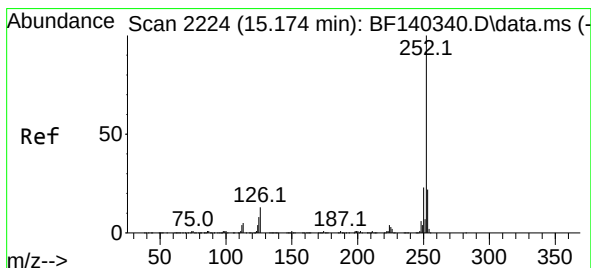
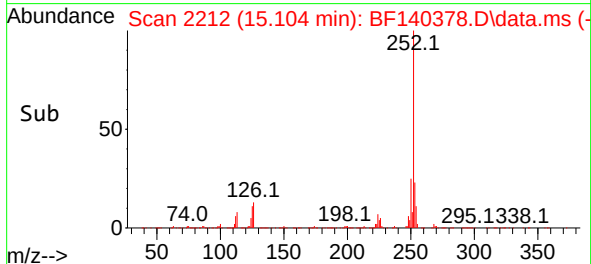
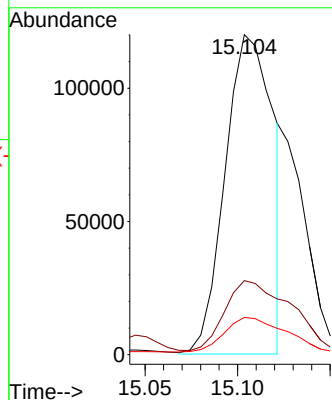
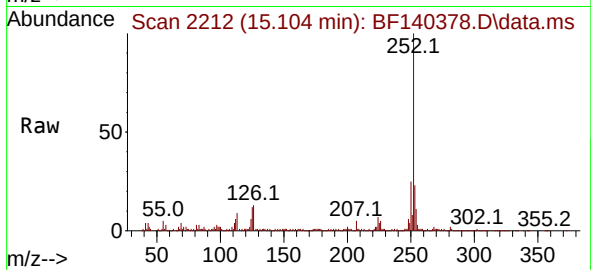
#88
Benzo(b)fluoranthene
Concen: 18.328 ng m
RT: 15.104 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Instrument :
BNA_F
ClientSampleId :
B-6-2DL

Tgt Ion:252 Resp: 21638
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.6 8.0 12.0

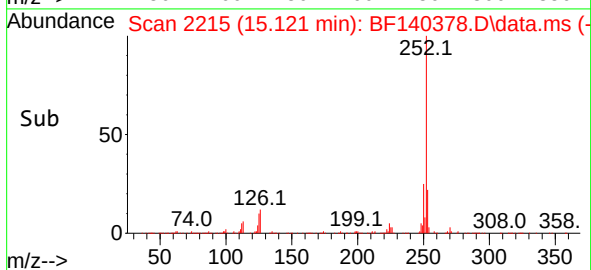
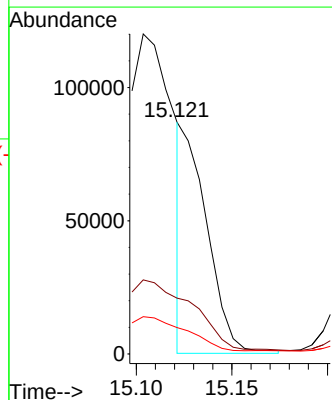
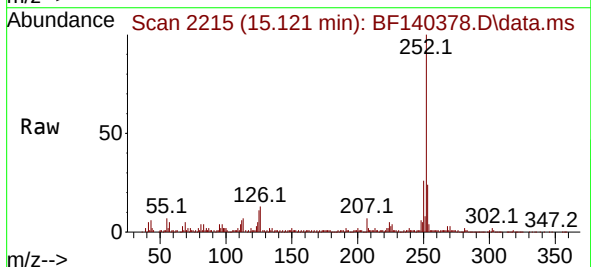
Manual Integrations
APPROVED

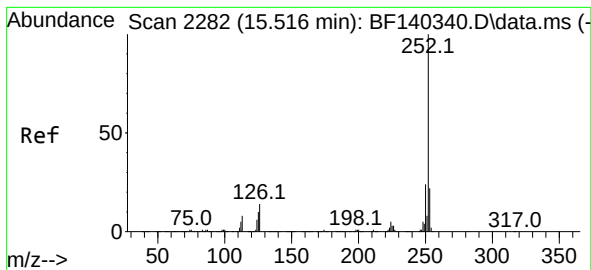
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#89
Benzo(k)fluoranthene
Concen: 7.807 ng m
RT: 15.121 min Scan# 2215
Delta R.T. -0.030 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Tgt Ion:252 Resp: 75299
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 11.4 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 15.454 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

Tgt Ion:252 Resp: 14168

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

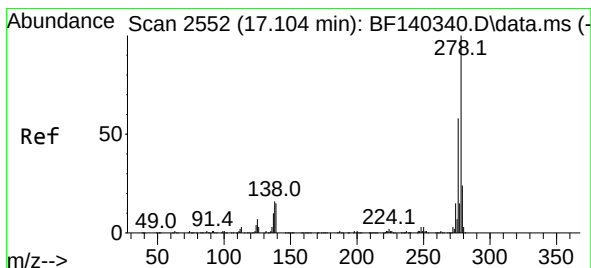
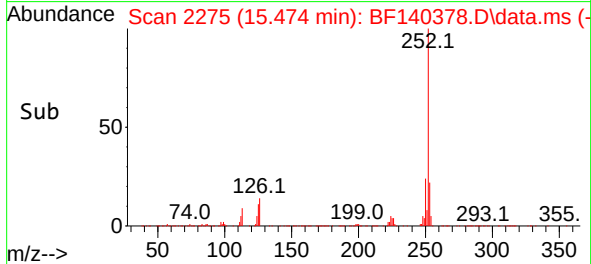
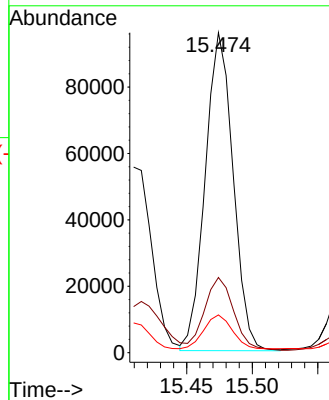
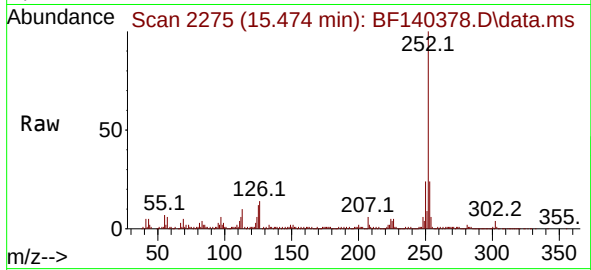
125 11.8 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.183 ng

RT: 17.045 min Scan# 2542

Delta R.T. -0.030 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

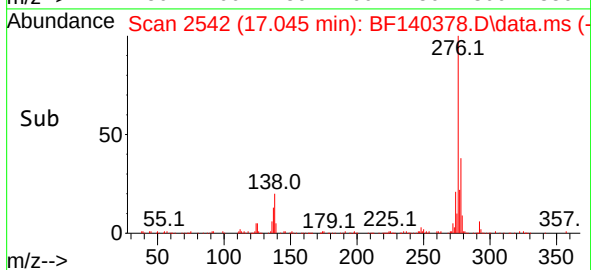
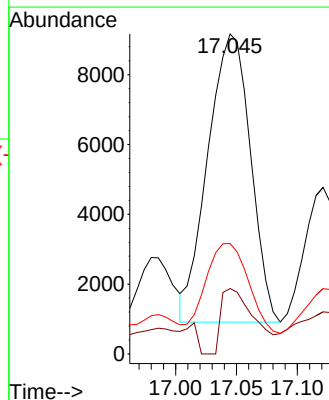
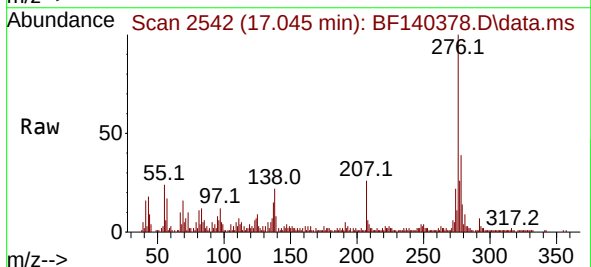
Tgt Ion:278 Resp: 20116

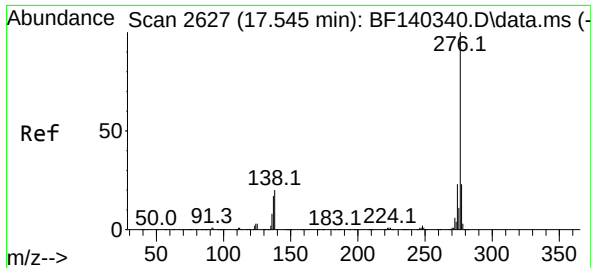
Ion Ratio Lower Upper

278 100

139 20.5 11.8 17.8#

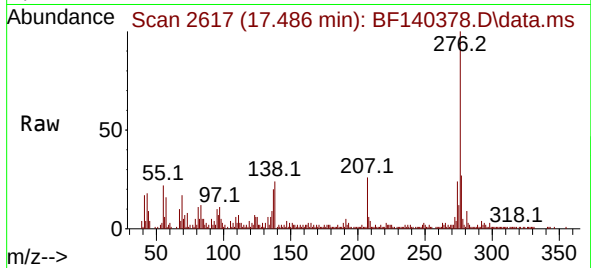
279 34.5 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 5.690 ng
RT: 17.486 min Scan# 20
Delta R.T. -0.030 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Instrument :
BNA_F
ClientSampleId :
B-6-2DL



Tgt Ion:276 Resp: 5360
Ion Ratio Lower Upper
276 100
277 26.6 18.6 28.0
138 24.1 16.0 24.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

