

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140298.D
 Acq On : 08 Nov 2024 14:58
 Operator : RC/JU
 Sample : P4739-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-B2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 08 15:34:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	105952	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	363590	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	211950	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	306984	20.000	ng	0.00
76) Chrysene-d12	14.057	240	241924	20.000	ng	0.00
86) Perylene-d12	15.562	264	188396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	444833	69.577	ng	0.01
7) Phenol-d6	6.510	99	643166	78.211	ng	0.00
23) Nitrobenzene-d5	7.451	82	485898	66.443	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	172496	82.336	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	862613	64.988	ng	0.00
79) Terphenyl-d14	12.998	244	764627	51.775	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.186	128	2100692	111.886	ng	97
37) 2-Methylnaphthalene	8.875	142	1075842	87.799	ng	99
38) 1-Methylnaphthalene	8.975	142	551339	45.905	ng	99
46) 1,1'-Biphenyl	9.333	154	36181	2.362	ng	97
58) Fluorene	10.463	166	27783	2.156	ng	# 89
71) Phenanthrene	11.427	178	143428	9.790	ng	98
72) Anthracene	11.480	178	31396m	2.185	ng	
75) Fluoranthene	12.621	202	176618	11.529	ng	99
78) Pyrene	12.851	202	172625	8.642	ng	97
81) Benzo(a)anthracene	14.045	228	66864	4.307	ng	# 92
83) Chrysene	14.080	228	64819	4.458	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.068	276	22697	2.052	ng	97
88) Benzo(b)fluoranthene	15.127	252	63211m	5.547	ng	
90) Benzo(a)pyrene	15.498	252	41947	4.465	ng	# 83
92) Benzo(g,h,i)perylene	17.527	276	23802	2.564	ng	# 90

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

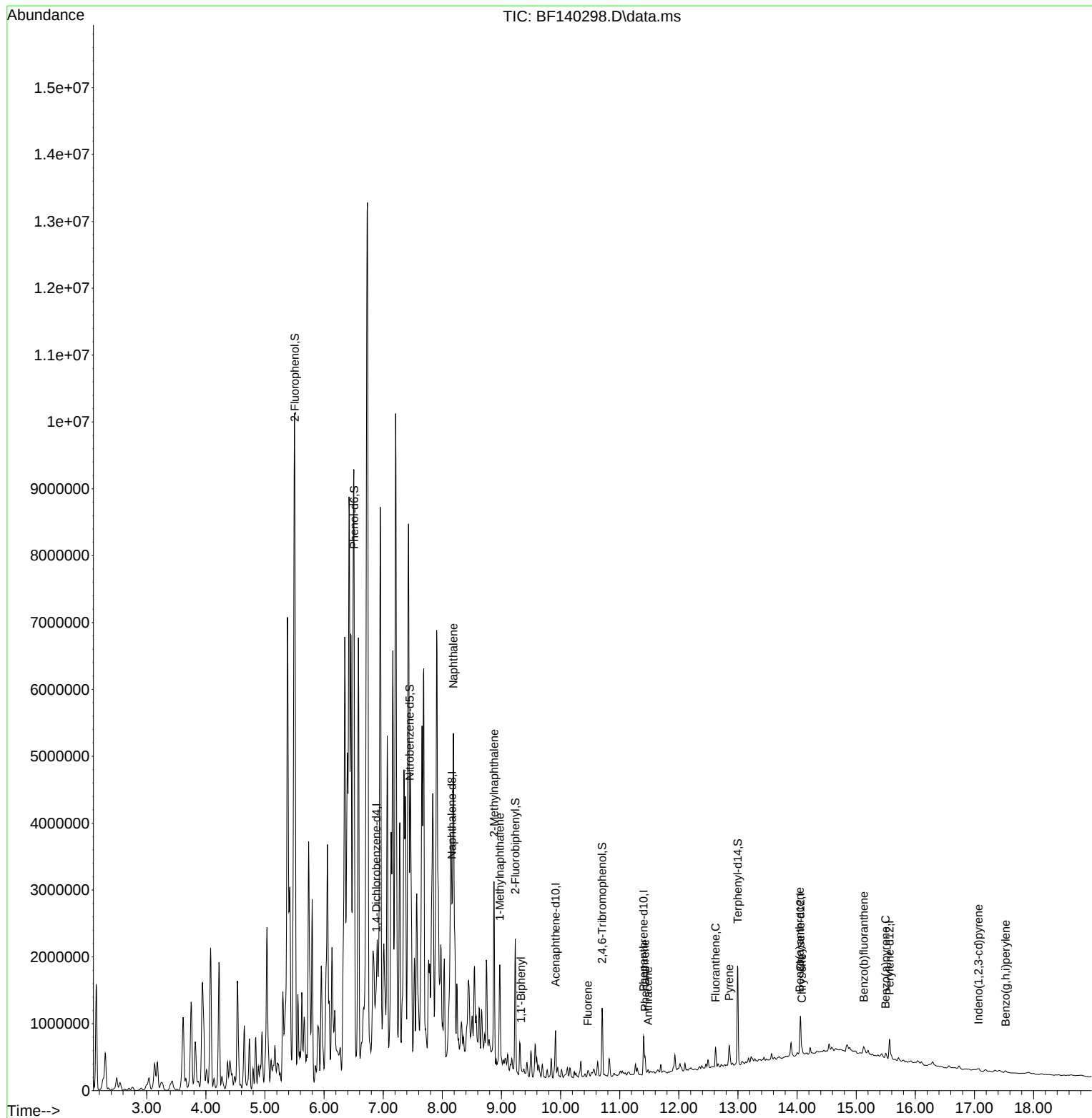
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140298.D
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ALS Vial : 14 Sample Multiplier: 1

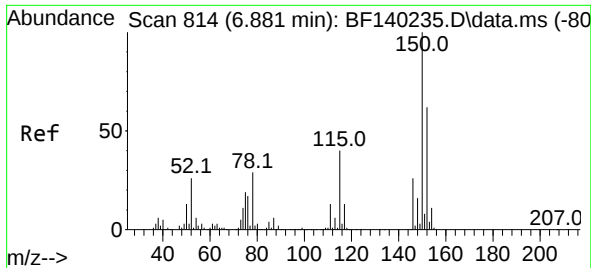
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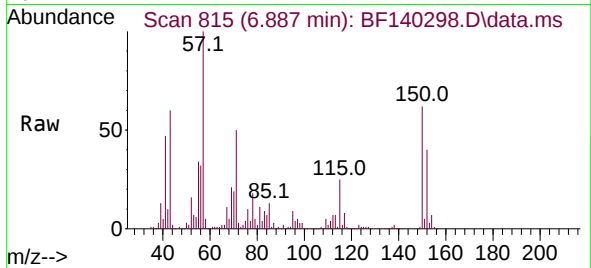
Quant Time: Nov 08 15:34:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 814
Delta R.T. 0.006 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58

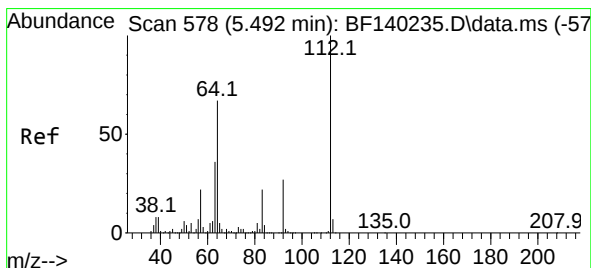
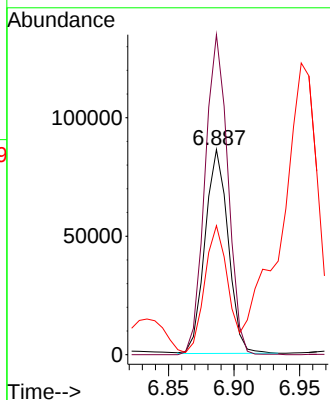
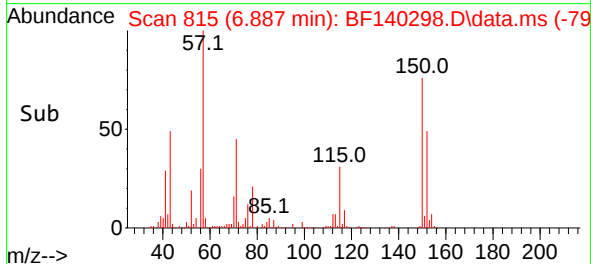
Instrument :
BNA_F
ClientSampleId :
BP-B2



Tgt Ion:152 Resp: 105952
Ion Ratio Lower Upper
152 100
150 156.1 129.4 194.2
115 62.9 51.5 77.3

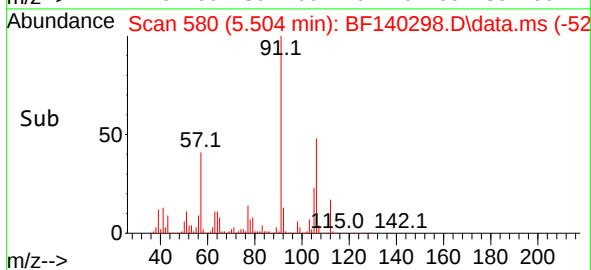
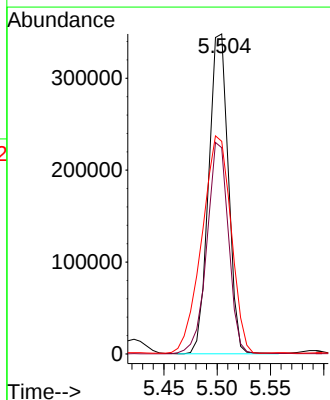
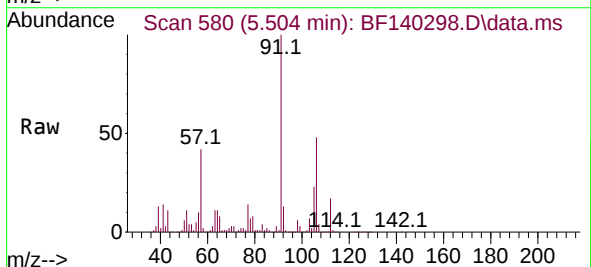
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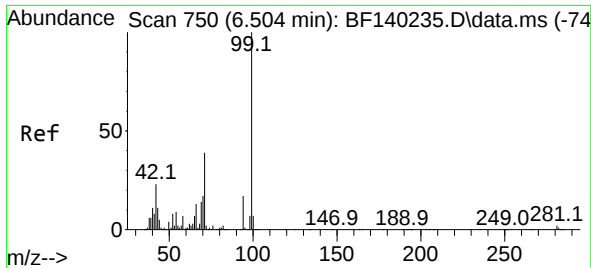
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#5
2-Fluorophenol
Concen: 69.577 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58

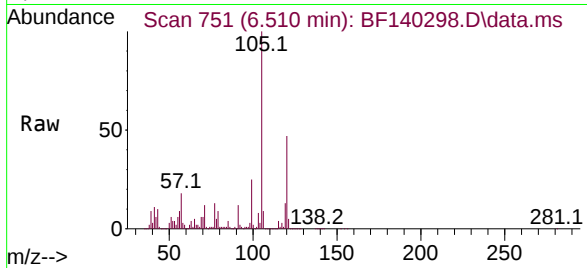
Tgt Ion:112 Resp: 444833
Ion Ratio Lower Upper
112 100
64 64.5 53.4 80.2
63 66.5 28.9 43.3#





#7
Phenol-d6
Concen: 78.211 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58

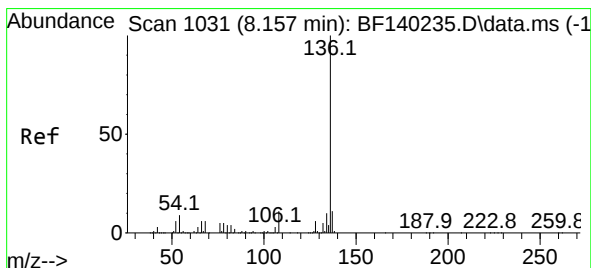
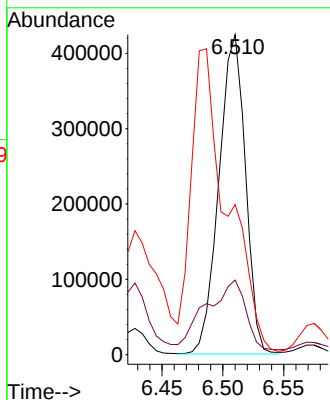
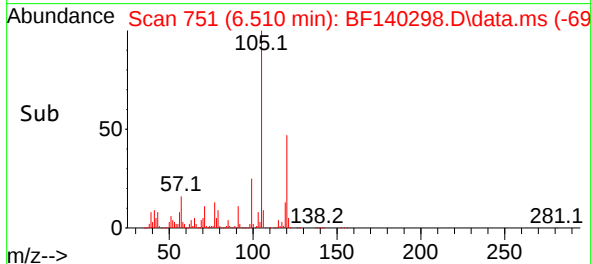
Instrument :
BNA_F
ClientSampleId :
BP-B2



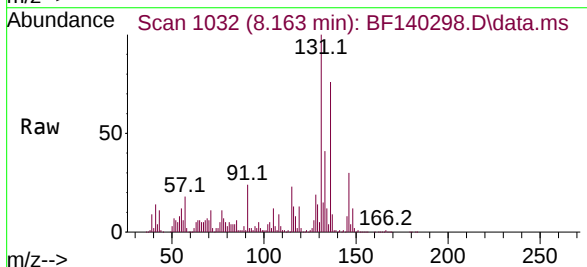
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Ion Ratio Lower Upper
99 100
42 23.3 18.2 27.2
71 46.9 30.9 46.3

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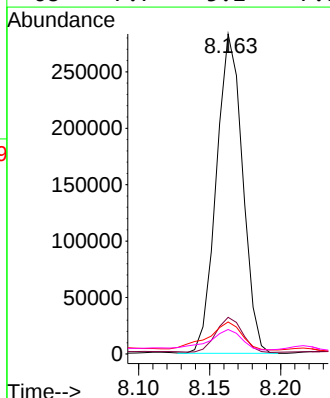
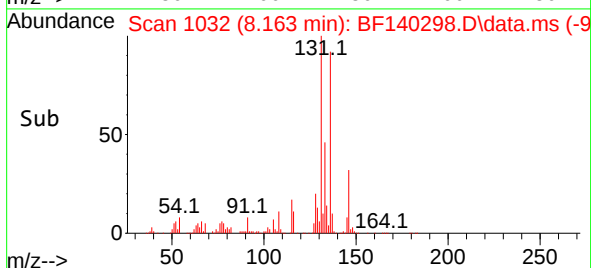
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

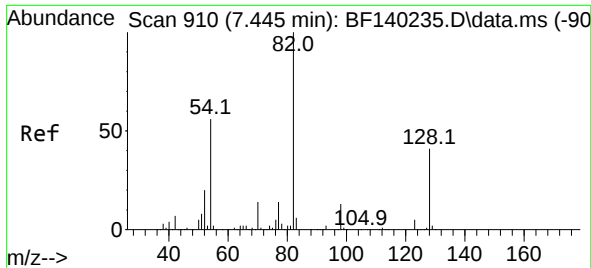


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.006 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58



Tgt Ion:136 Resp: 363590
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 10.0 7.7 11.5
68 7.7 5.2 7.8





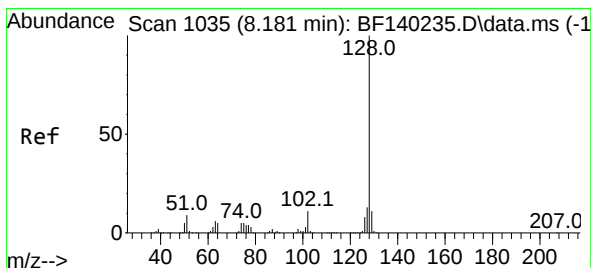
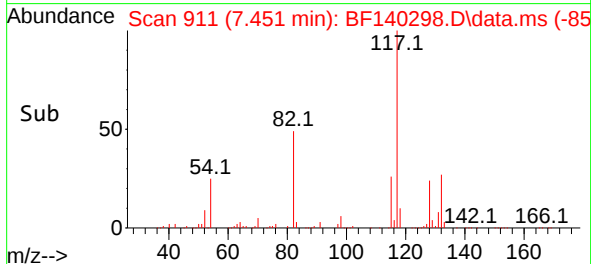
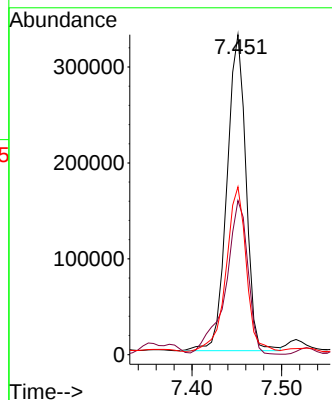
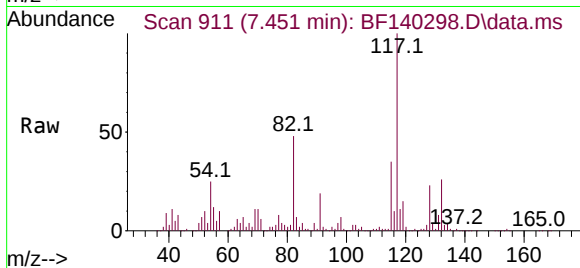
#23
Nitrobenzene-d5
Concen: 66.443 ng
RT: 7.451 min Scan# 910
Delta R.T. 0.006 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58

Instrument :
BNA_F
ClientSampleId :
BP-B2

Tgt Ion: 82 Resp: 485898
Ion Ratio Lower Upper
82 100
128 48.1 32.8 49.2
54 52.5 44.3 66.5

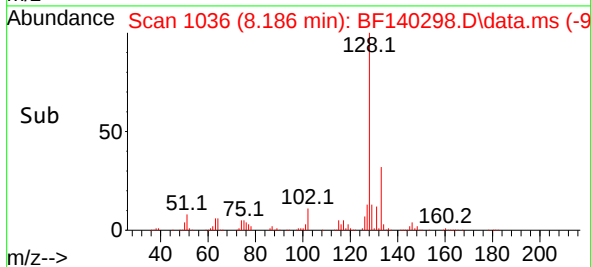
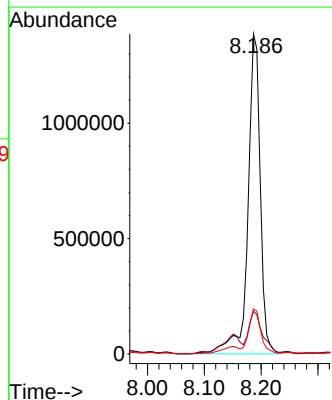
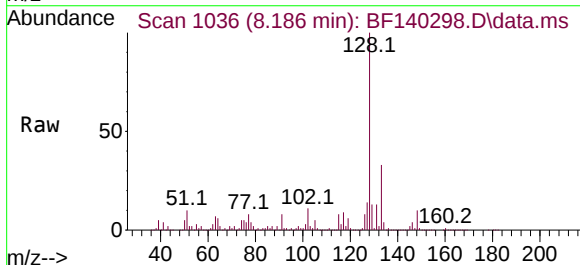
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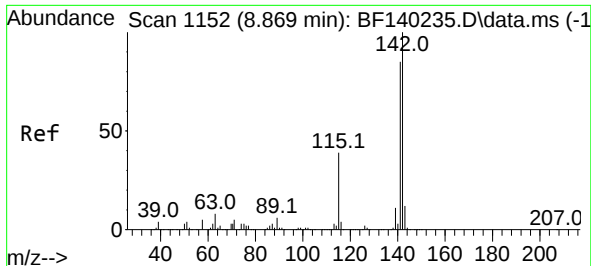
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#31
Naphthalene
Concen: 111.886 ng
RT: 8.186 min Scan# 1036
Delta R.T. 0.006 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58

Tgt Ion:128 Resp: 2100692
Ion Ratio Lower Upper
128 100
129 13.4 9.0 13.6
127 14.1 10.7 16.1





#37

2-Methylnaphthalene

Concen: 87.799 ng

RT: 8.875 min Scan# 1152

Delta R.T. 0.006 min

Lab File: BF140298.D

Acq: 08 Nov 2024 14:58

Instrument :

BNA_F

ClientSampleId :

BP-B2

Tgt Ion:142 Resp: 107584

Ion Ratio Lower Upper

142 100

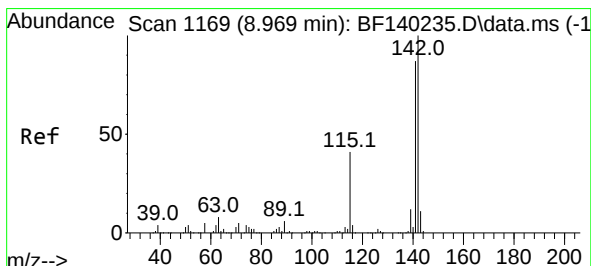
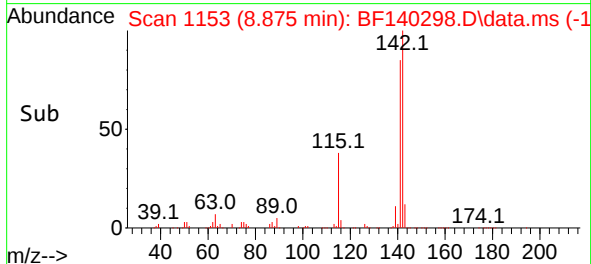
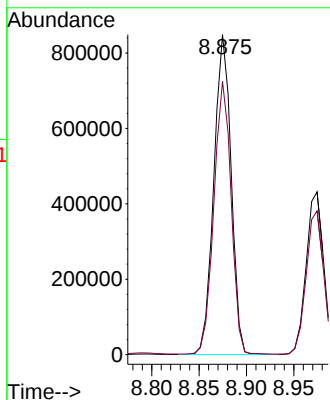
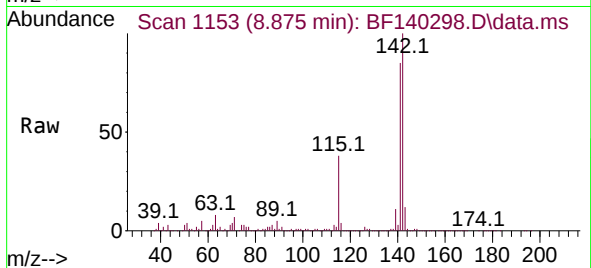
141 85.5 67.8 101.8

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Supervised By :mohammad ahmed 11/11/2024



#38

1-Methylnaphthalene

Concen: 45.905 ng

RT: 8.975 min Scan# 1170

Delta R.T. 0.006 min

Lab File: BF140298.D

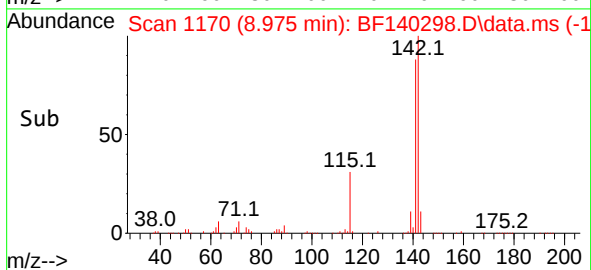
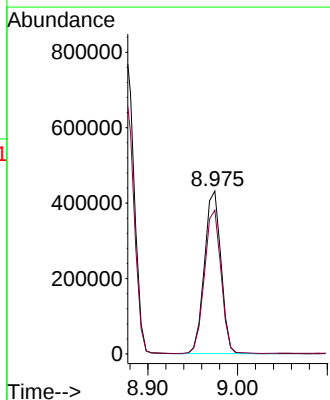
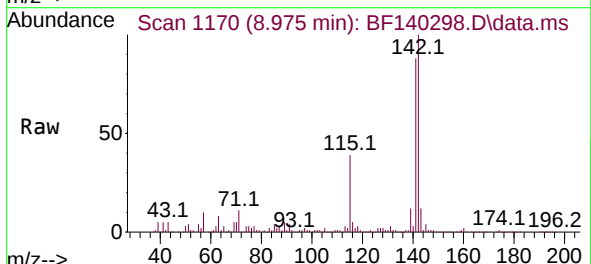
Acq: 08 Nov 2024 14:58

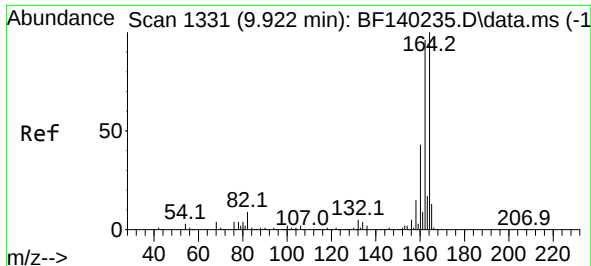
Tgt Ion:142 Resp: 551339

Ion Ratio Lower Upper

142 100

141 88.3 69.7 104.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140298.D

Acq: 08 Nov 2024 14:58

Instrument :

BNA_F

ClientSampleId :

BP-B2

Tgt Ion:164 Resp: 211950

Ion Ratio Lower Upper

164 100

162 96.2 77.0 115.4

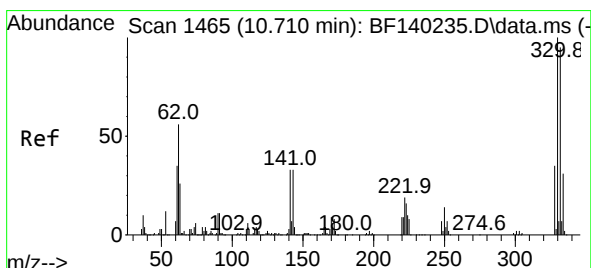
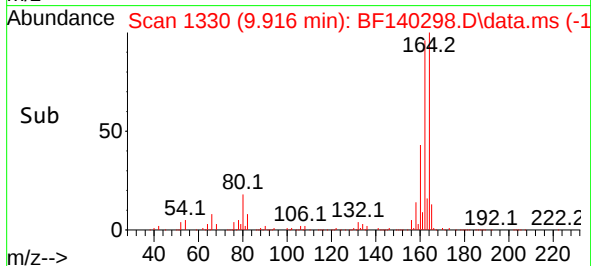
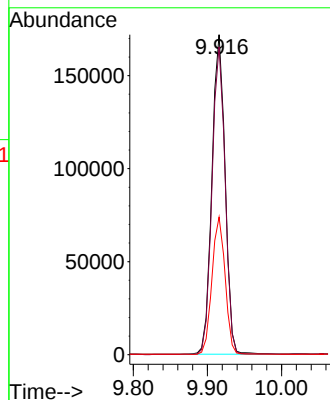
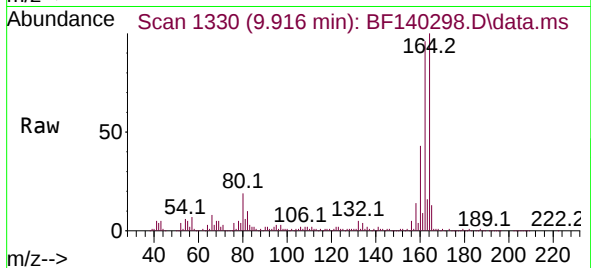
160 43.0 34.1 51.1

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 82.336 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140298.D

Acq: 08 Nov 2024 14:58

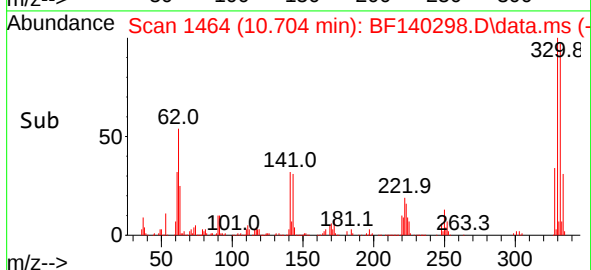
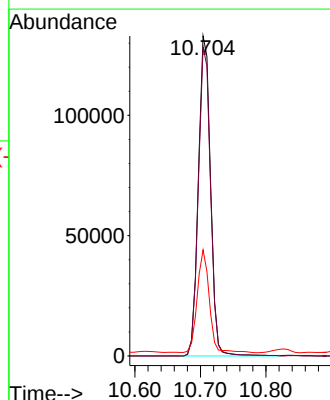
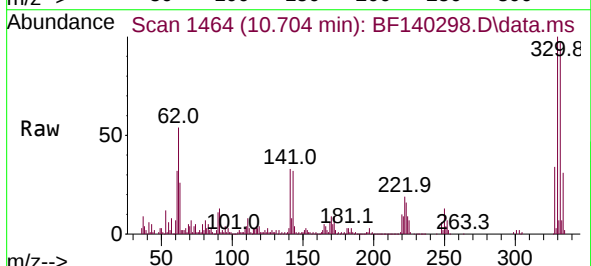
Tgt Ion:330 Resp: 172496

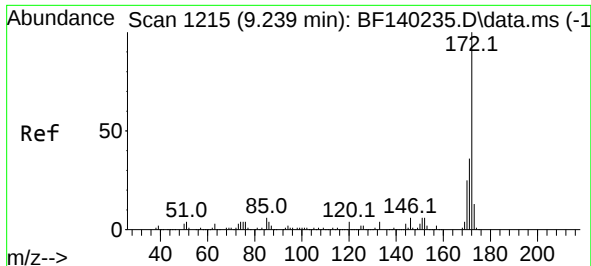
Ion Ratio Lower Upper

330 100

332 96.6 76.4 114.6

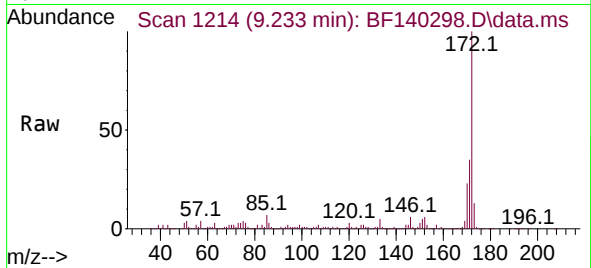
141 31.8 27.0 40.4





#45
2-Fluorobiphenyl
Concen: 64.988 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58

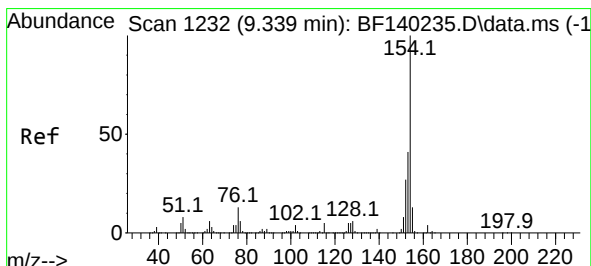
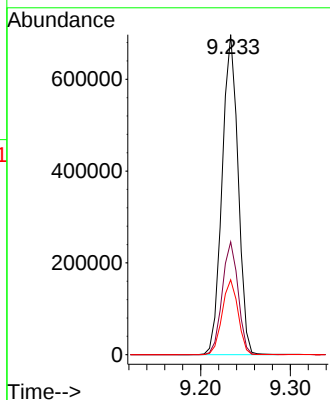
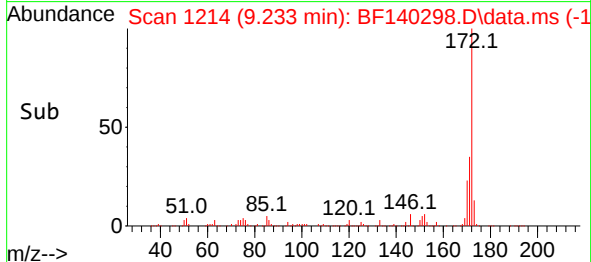
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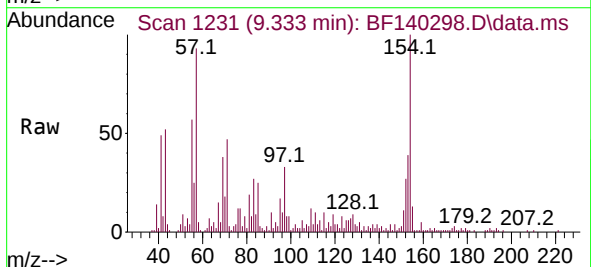
Tgt Ion:172 Resp: 86261
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.4 19.6 29.4

Manual Integrations
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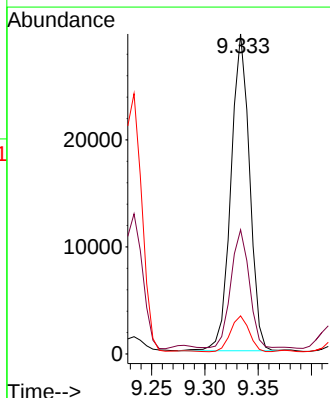
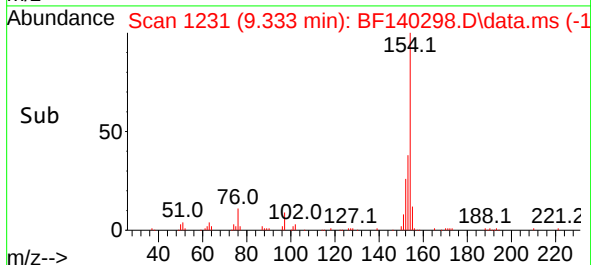
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

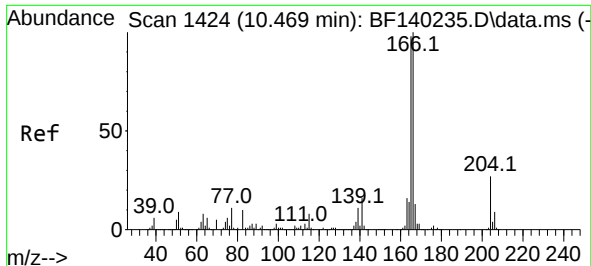


#46
1,1'-Biphenyl
Concen: 2.362 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58



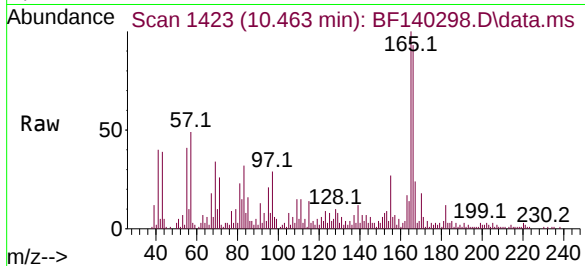
Tgt Ion:154 Resp: 36181
Ion Ratio Lower Upper
154 100
153 38.8 20.8 60.8
76 11.9 0.0 32.6





#58
Fluorene
Concen: 2.156 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58

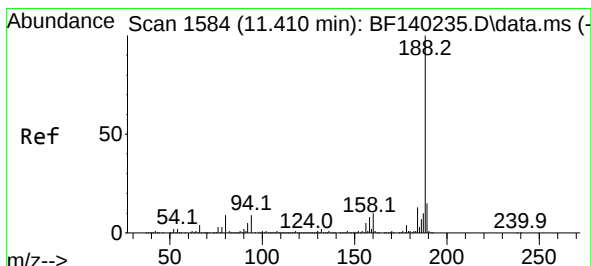
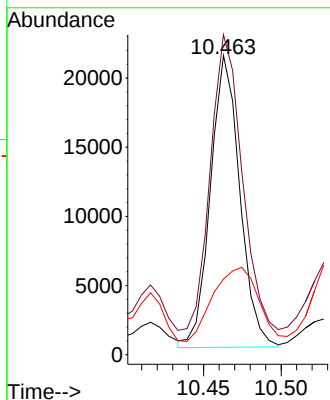
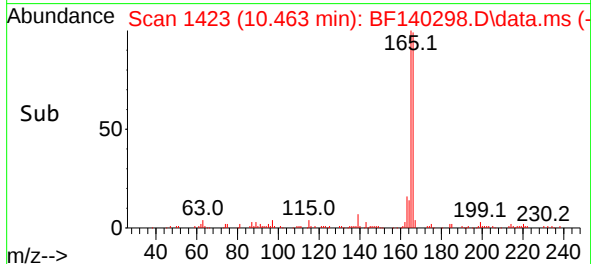
Instrument :
BNA_F
ClientSampleId :
BP-B2



Tgt Ion:166 Resp: 2778
Ion Ratio Lower Upper
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165 107.0 78.7 118.1
167 25.2 10.8 16.2

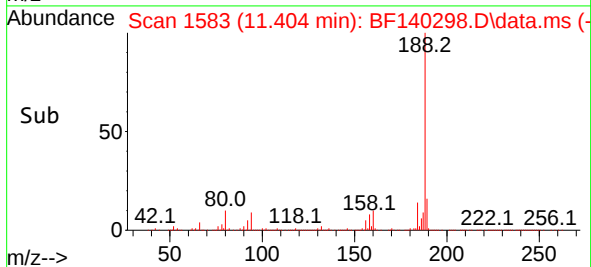
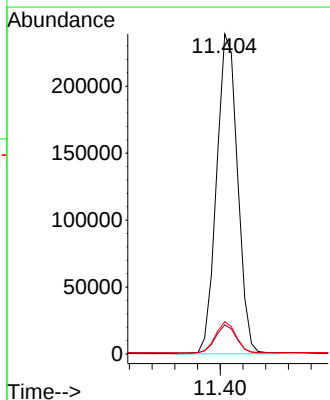
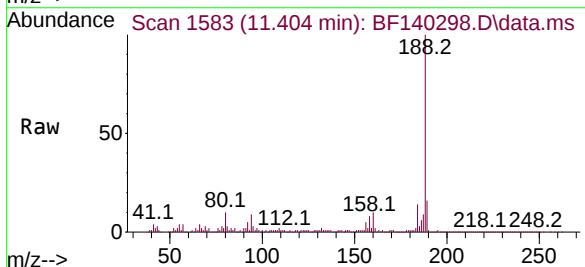
Manual Integrations
APPROVED

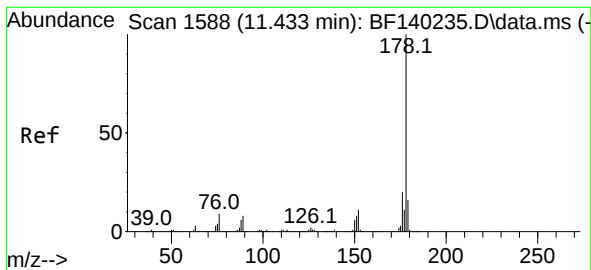
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58

Tgt Ion:188 Resp: 306984
Ion Ratio Lower Upper
188 100
94 9.1 6.9 10.3
80 10.1 7.5 11.3





#71

Phenanthrene

Concen: 9.790 ng

RT: 11.427 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF140298.D

Acq: 08 Nov 2024 14:58

Instrument :

BNA_F

ClientSampleId :

BP-B2

Tgt Ion:178 Resp: 143428

Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

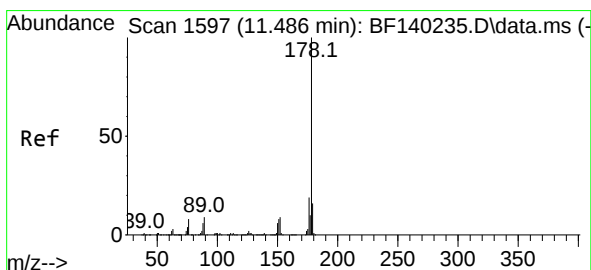
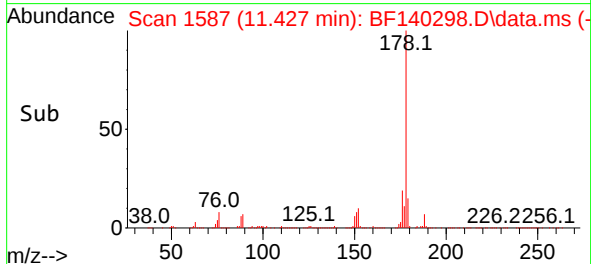
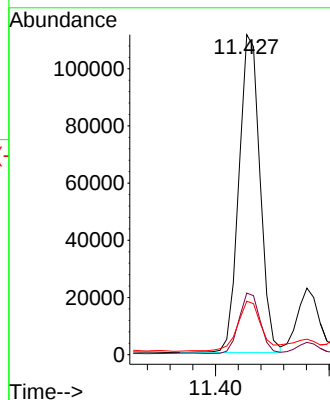
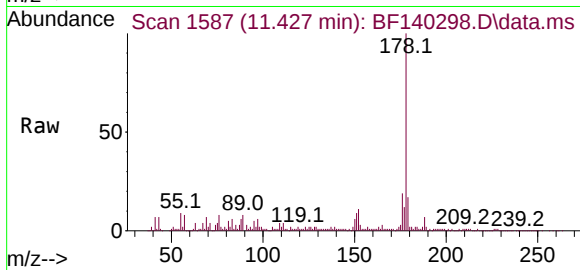
179 16.7 12.6 18.8

Manual Integrations

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Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#72

Anthracene

Concen: 2.185 ng m

RT: 11.480 min Scan# 1596

Delta R.T. -0.006 min

Lab File: BF140298.D

Acq: 08 Nov 2024 14:58

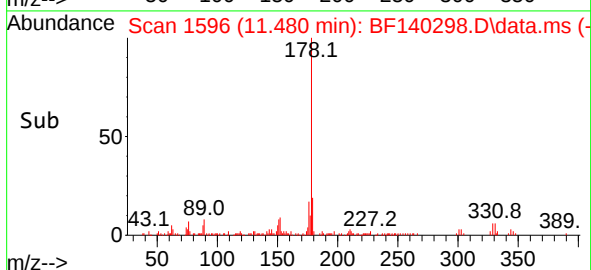
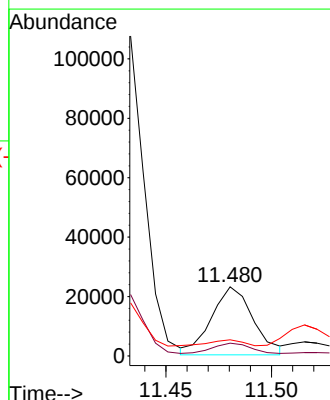
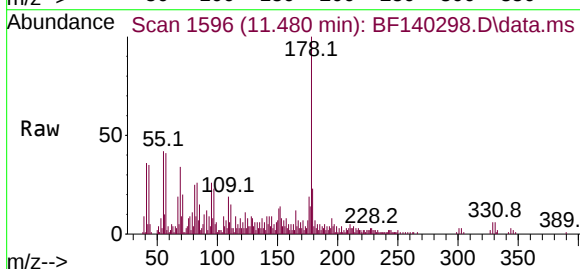
Tgt Ion:178 Resp: 31396

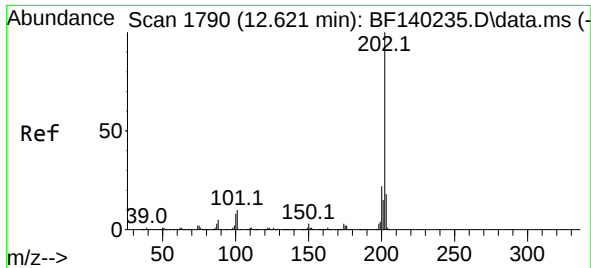
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

179 23.3 12.7 19.1#





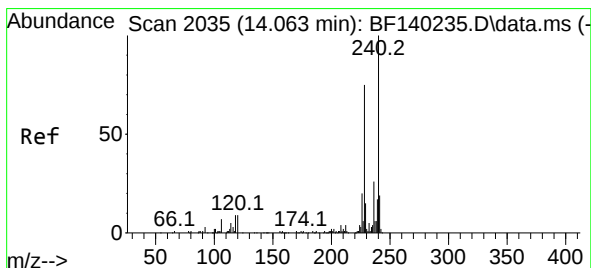
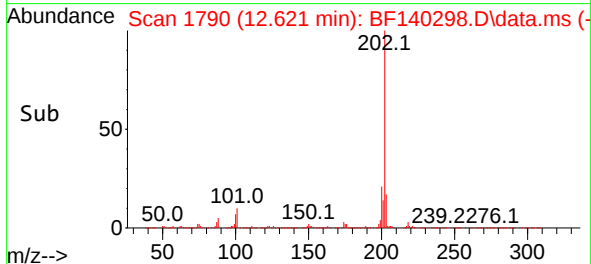
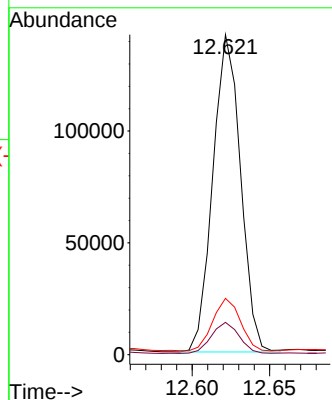
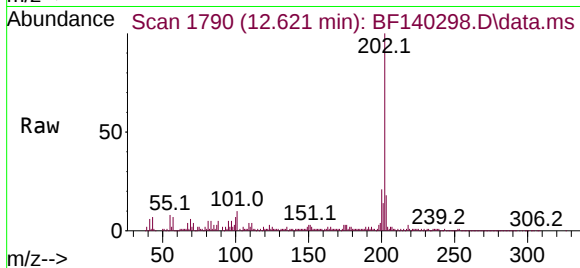
#75
Fluoranthene
Concen: 11.529 ng
RT: 12.621 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58

Instrument :
BNA_F
ClientSampleId :
BP-B2

Tgt Ion:202 Resp: 176618
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.4
203 17.6 0.0 38.0

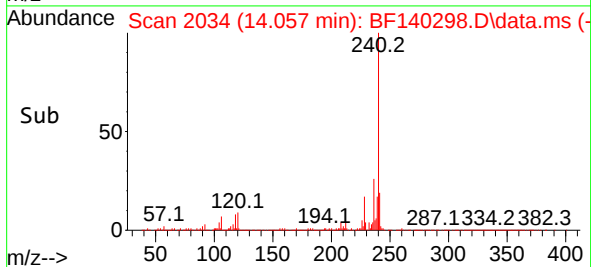
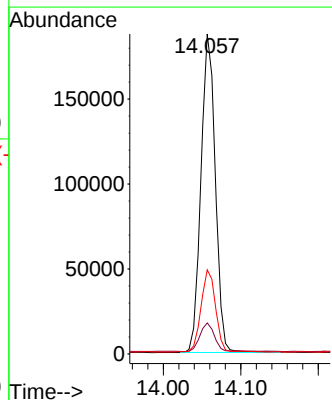
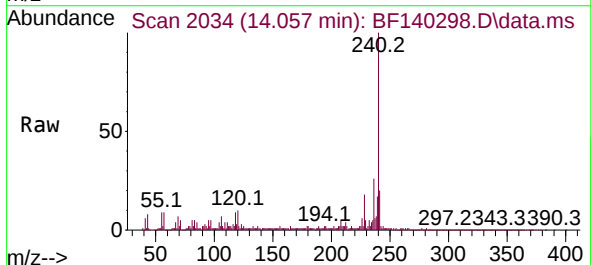
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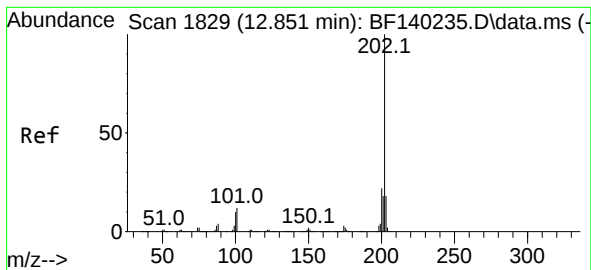
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58

Tgt Ion:240 Resp: 241924
Ion Ratio Lower Upper
240 100
120 9.7 7.5 11.3
236 26.3 20.9 31.3





#78

Pyrene

Concen: 8.642 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF140298.D

Acq: 08 Nov 2024 14:58

Instrument :

BNA_F

ClientSampleId :

BP-B2

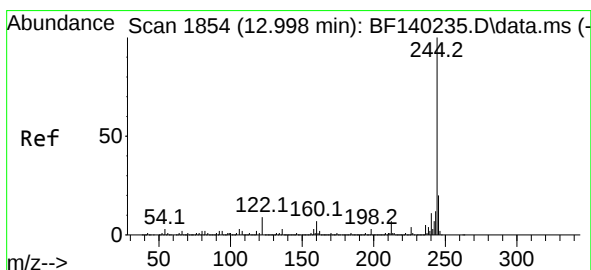
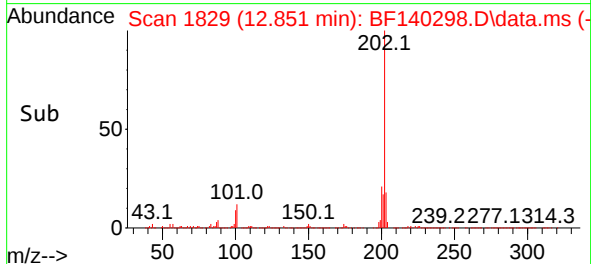
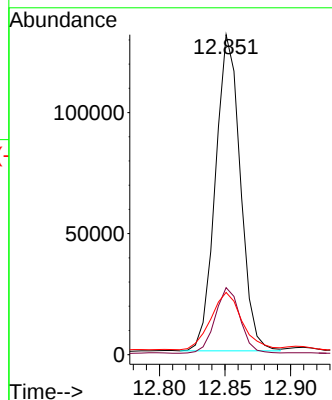
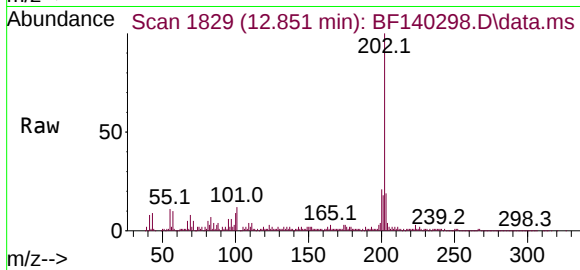
Tgt Ion:	202	Resp:	17262
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.5	26.3
203	19.5	14.4	21.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#79

Terphenyl-d14

Concen: 51.775 ng

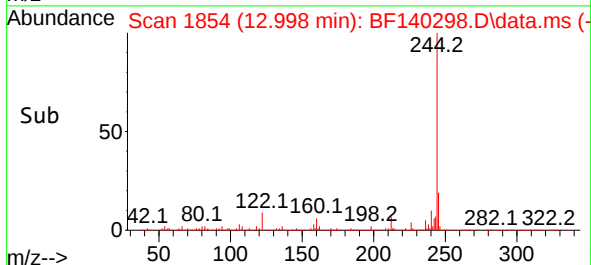
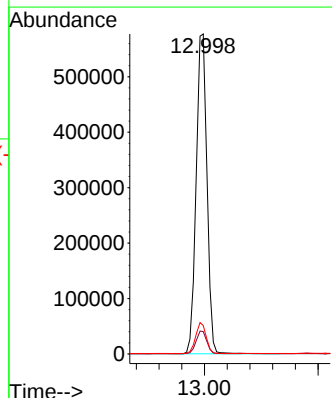
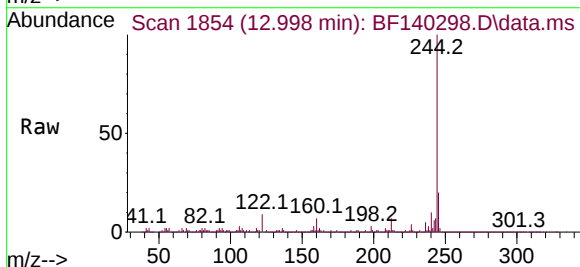
RT: 12.998 min Scan# 1854

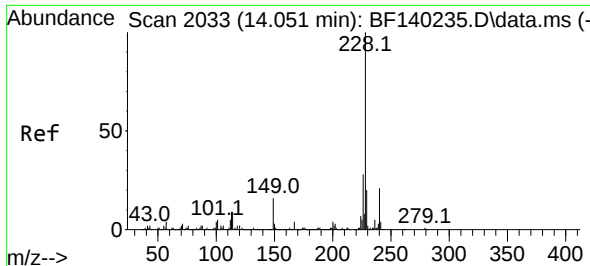
Delta R.T. 0.000 min

Lab File: BF140298.D

Acq: 08 Nov 2024 14:58

Tgt Ion:	244	Resp:	764627
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	8.9	7.6	11.4





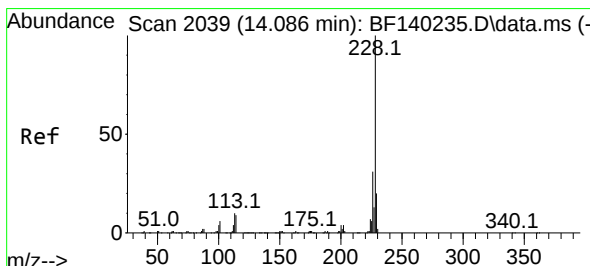
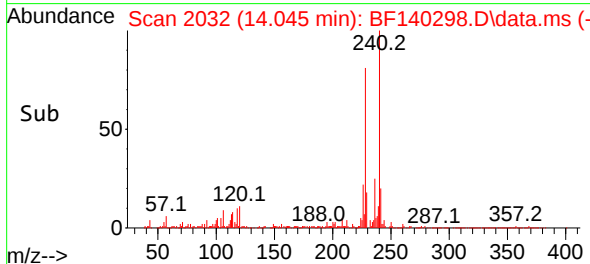
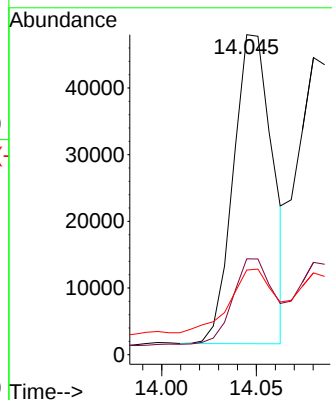
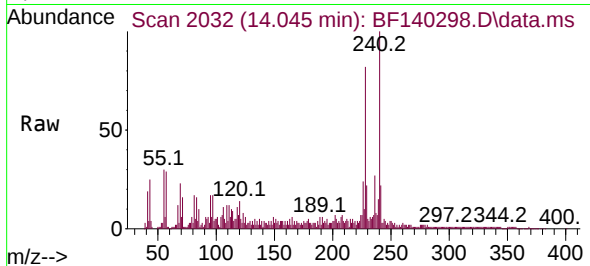
#81
Benzo(a)anthracene
Concen: 4.307 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58

Instrument :
BNA_F
ClientSampleId :
BP-B2

Tgt Ion:228 Resp: 66864
Ion Ratio Lower Upper
228 100
226 29.9 22.3 33.5
229 26.5 16.1 24.1

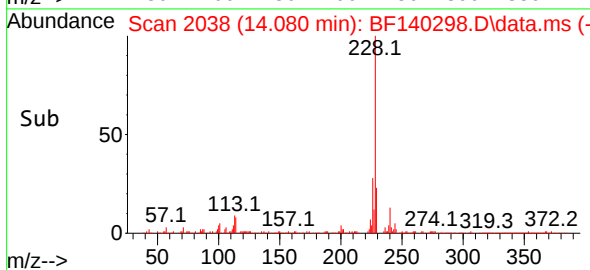
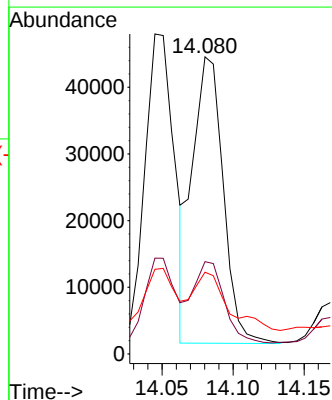
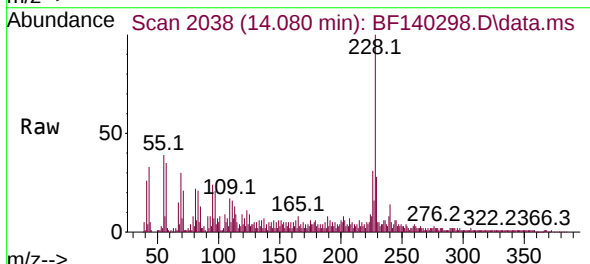
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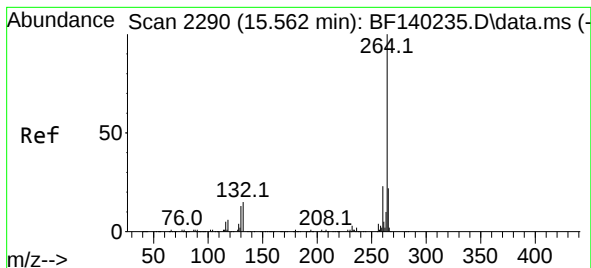
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#83
Chrysene
Concen: 4.458 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF140298.D
Acq: 08 Nov 2024 14:58

Tgt Ion:228 Resp: 64819
Ion Ratio Lower Upper
228 100
226 31.1 24.6 36.8
229 27.5 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140298.D

Acq: 08 Nov 2024 14:58

Instrument :

BNA_F

ClientSampleId :

BP-B2

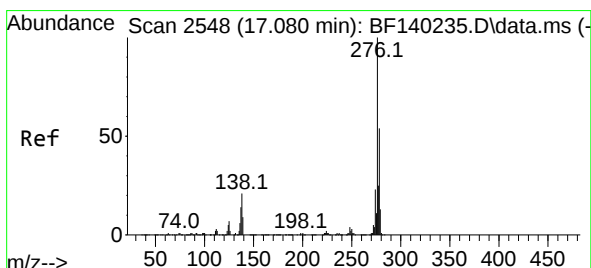
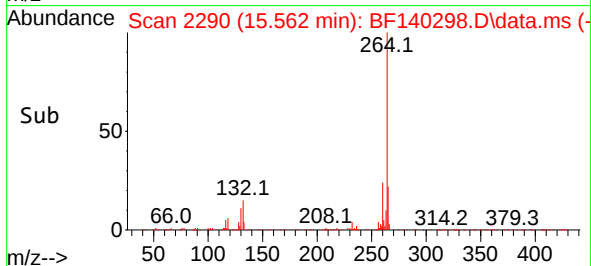
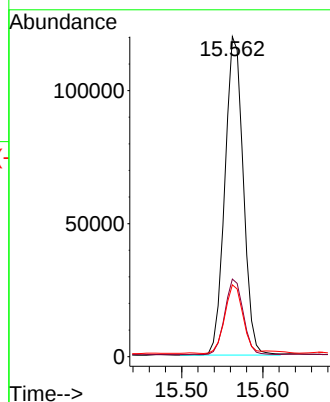
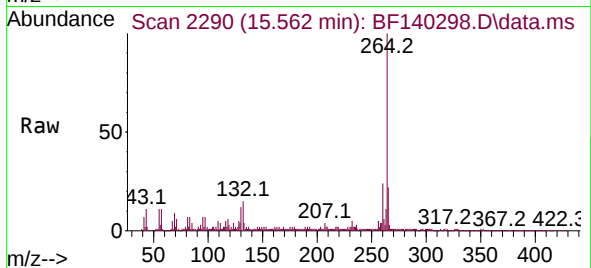
Tgt Ion:	264	Resp:	188390
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.8	28.2
265	22.4	17.3	25.9

Manual Integrations

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Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.052 ng

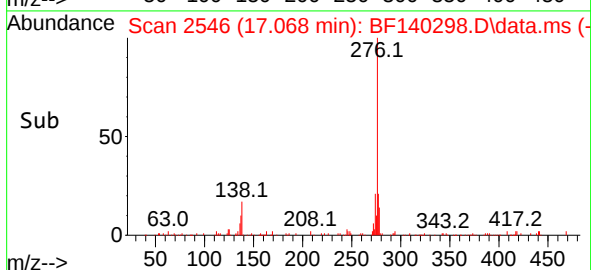
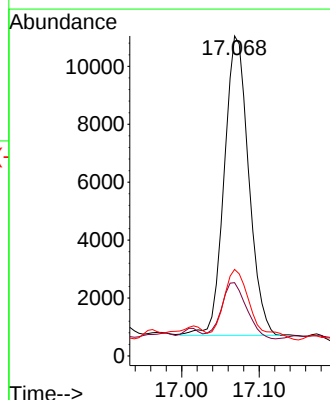
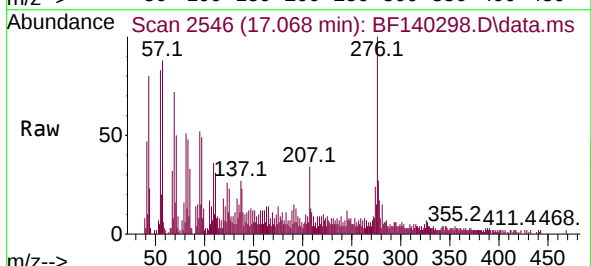
RT: 17.068 min Scan# 2546

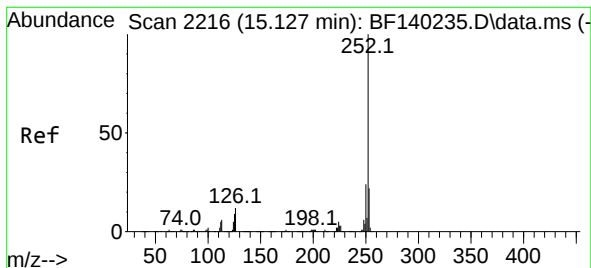
Delta R.T. -0.012 min

Lab File: BF140298.D

Acq: 08 Nov 2024 14:58

Tgt Ion:	276	Resp:	22697
Ion Ratio	Lower	Upper	
276	100		
138	19.6	17.6	26.4
277	26.1	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 5.547 ng m

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140298.D

Acq: 08 Nov 2024 14:58

Instrument :

BNF

ClientSampleId :

BP-B2

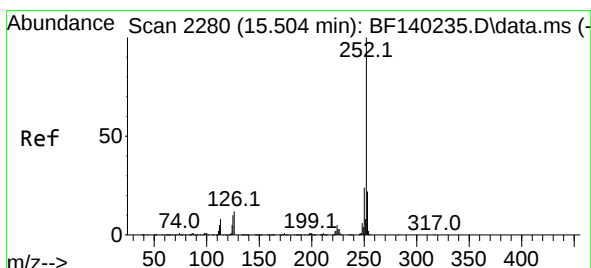
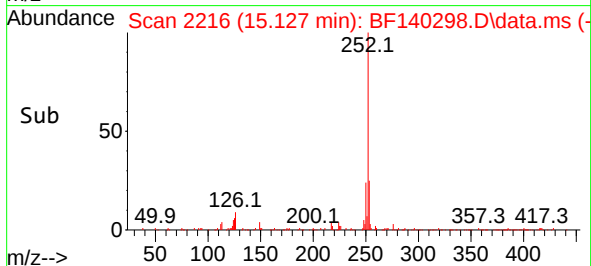
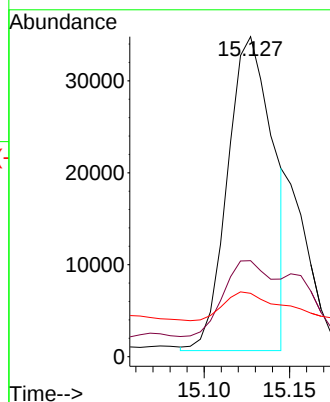
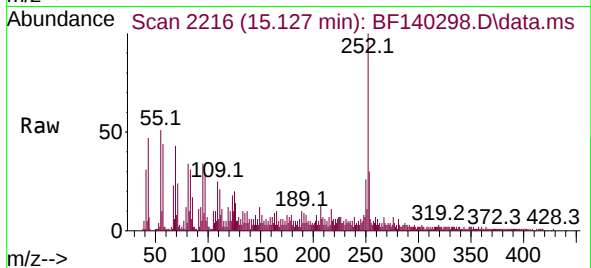
Tgt Ion:252 Resp: 6321
 Ion Ratio Lower Upper
 252 100
 253 30.0 17.9 26.9
 125 19.8 7.0 10.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#90

Benzo(a)pyrene

Concen: 4.465 ng

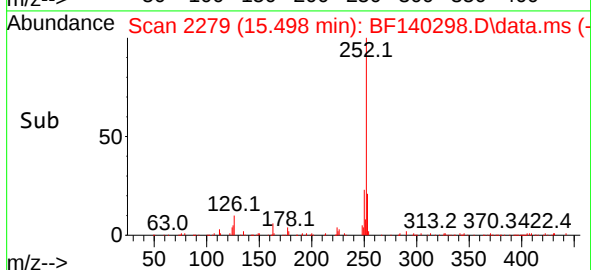
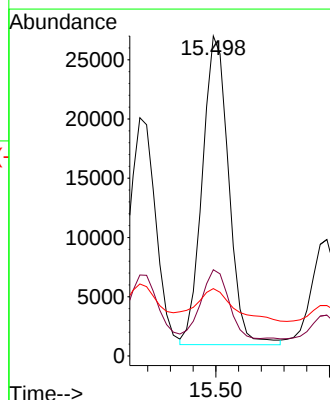
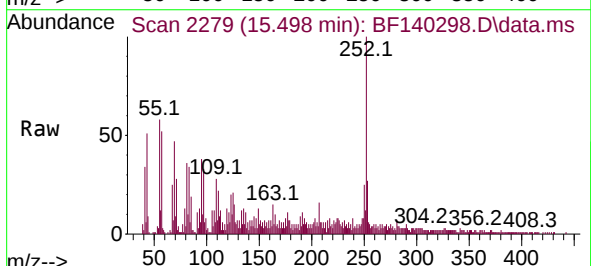
RT: 15.498 min Scan# 2279

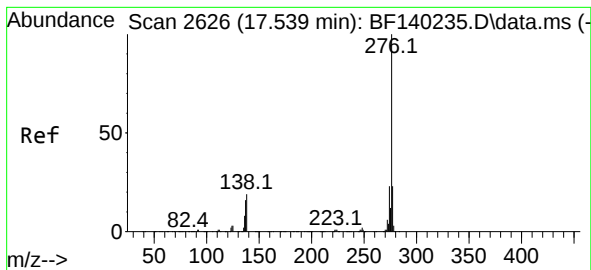
Delta R.T. -0.006 min

Lab File: BF140298.D

Acq: 08 Nov 2024 14:58

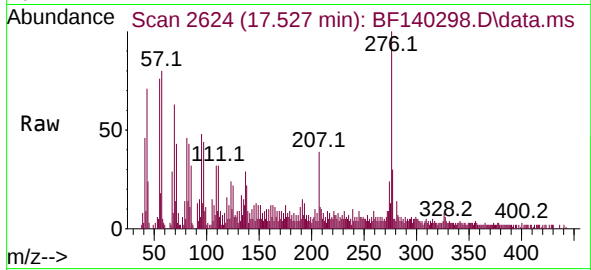
Tgt Ion:252 Resp: 41947
 Ion Ratio Lower Upper
 252 100
 253 26.9 17.4 26.0#
 125 21.0 7.6 11.4#





#92
 Benzo(g,h,i)perylene
 Concen: 2.564 ng
 RT: 17.527 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF140298.D
 Acq: 08 Nov 2024 14:58

Instrument :
 BNA_F
 ClientSampleId :
 BP-B2



Tgt Ion:	276	Resp:	2380
Ion Ratio	Lower	Upper	
276	100		
277	30.2	18.8	28.2
138	21.6	15.3	22.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024

