

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
 Data File : BF140699.D
 Acq On : 02 Dec 2024 19:49
 Operator : RC/JU
 Sample : P5045-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-11222024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 00:06:02 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	91280	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	348470	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	187361	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	311278	20.000	ng	0.00
76) Chrysene-d12	14.045	240	178689	20.000	ng	0.00
86) Perylene-d12	15.539	264	166236	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	488247	91.263	ng	0.00
7) Phenol-d6	6.510	99	642428	90.833	ng	0.00
23) Nitrobenzene-d5	7.434	82	413166	60.647	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	156164	77.932	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	767108	61.002	ng	-0.01
79) Terphenyl-d14	12.980	244	620428	54.065	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.939	154	36538	3.591	ng	97
55) Dibenzofuran	10.110	168	34630	2.231	ng	# 95
58) Fluorene	10.457	166	52583	4.221	ng	96
71) Phenanthrene	11.422	178	574660	38.406	ng	100
72) Anthracene	11.475	178	209621	14.322	ng	99
75) Fluoranthene	12.616	202	1304146	80.276	ng	98
78) Pyrene	12.851	202	1159912	70.204	ng	99
81) Benzo(a)anthracene	14.039	228	617702	52.222	ng	96
83) Chrysene	14.074	228	467198	43.196	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	204681	18.893	ng	99
88) Benzo(b)fluoranthene	15.104	252	623715m	59.734	ng	
89) Benzo(k)fluoranthene	15.121	252	191381m	20.945	ng	
90) Benzo(a)pyrene	15.474	252	423406	49.872	ng	97
91) Dibenzo(a,h)anthracene	17.051	278	52685m	5.938	ng	
92) Benzo(g,h,i)perylene	17.504	276	195651	21.610	ng	97

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

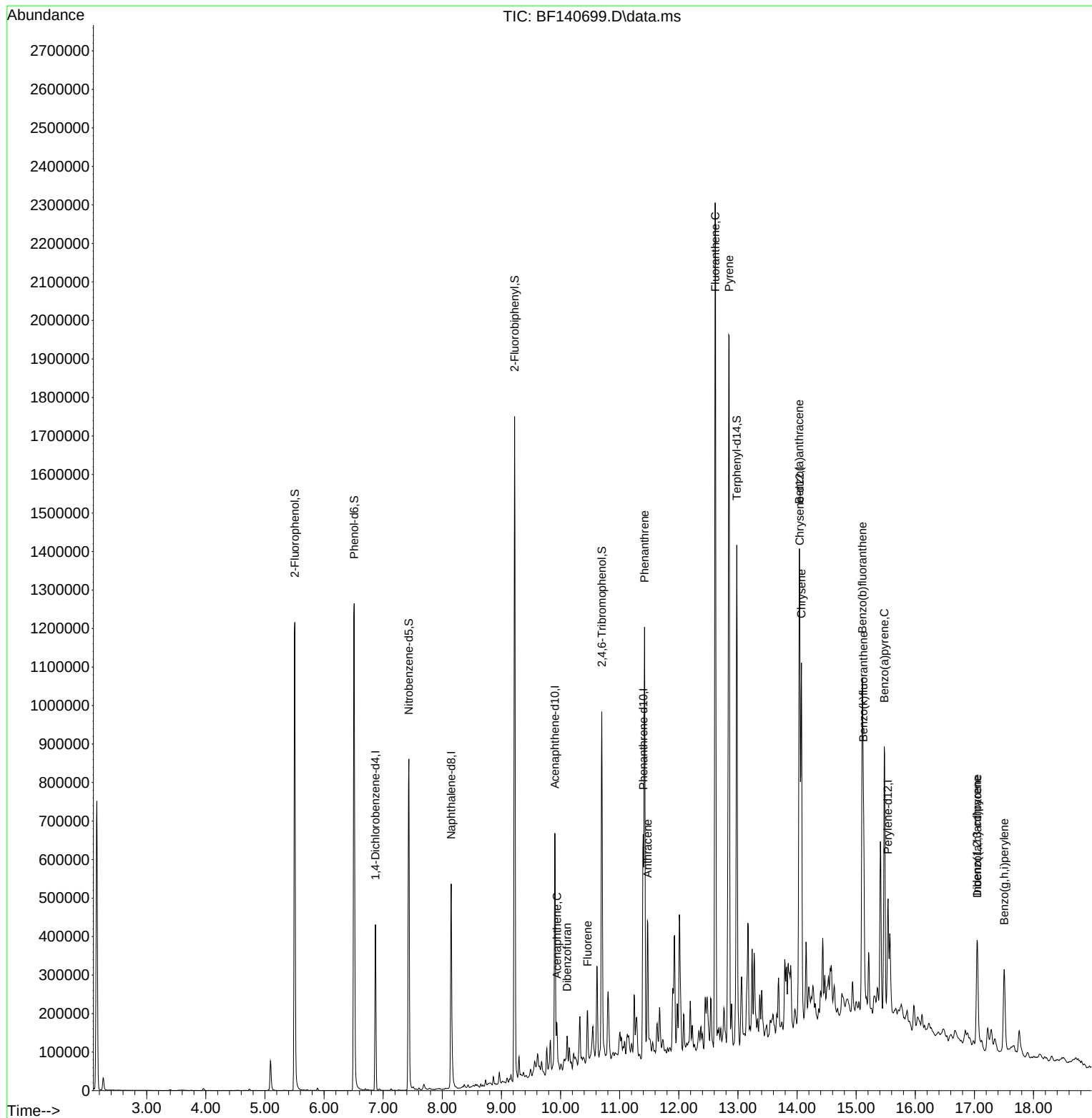
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
Data File : BF140699.D
Acq On : 02 Dec 2024 19:49
Operator : RC/JU
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ALS Vial : 23 Sample Multiplier: 1

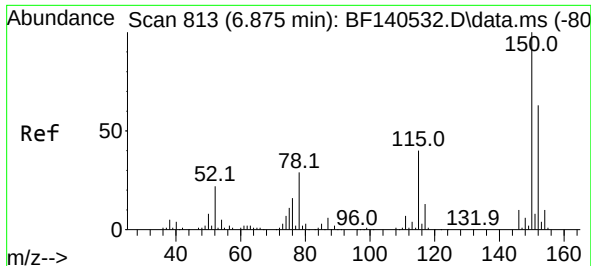
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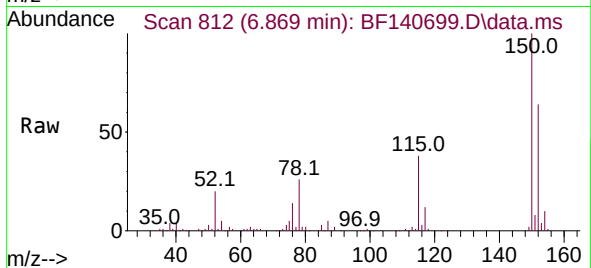
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

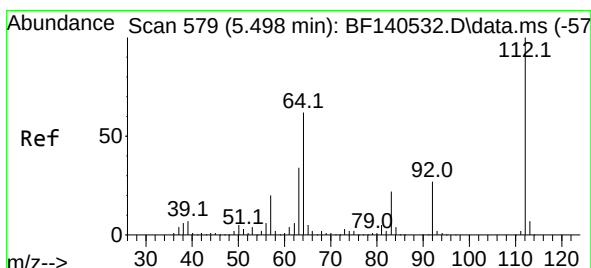
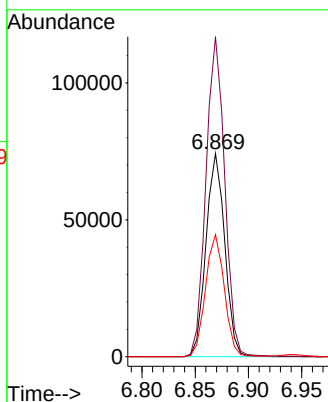
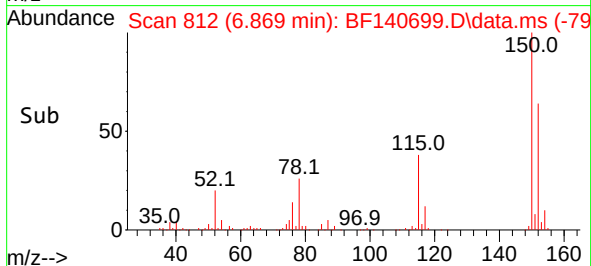
Instrument :
BNA_F
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SU-04-11222024



Tgt Ion:152 Resp: 91280
Ion Ratio Lower Upper
152 100
150 157.5 128.5 192.7
115 60.1 50.2 75.4

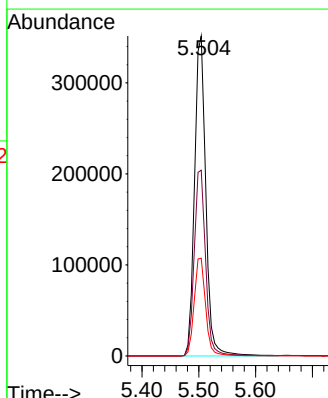
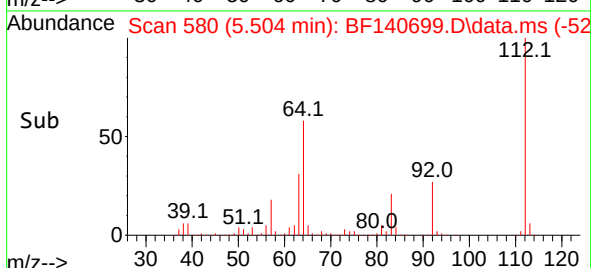
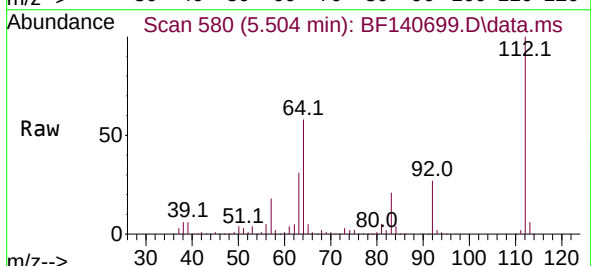
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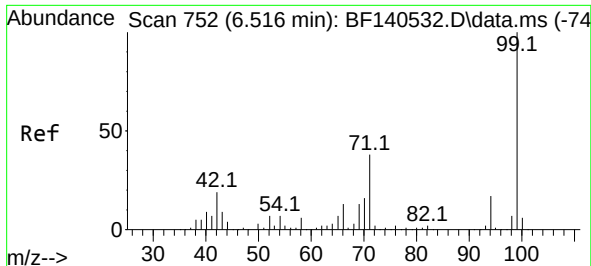
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#5
2-Fluorophenol
Concen: 91.263 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

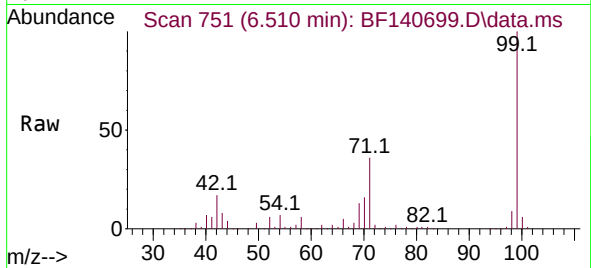
Tgt Ion:112 Resp: 488247
Ion Ratio Lower Upper
112 100
64 58.0 49.2 73.8
63 30.6 27.0 40.4





#7
Phenol-d6
Concen: 90.833 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

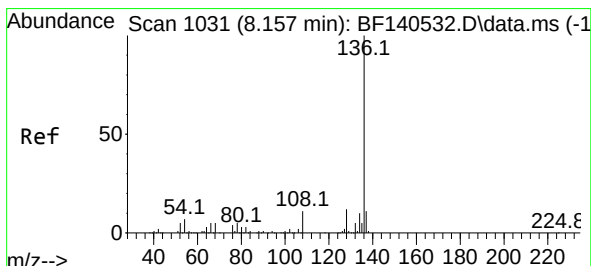
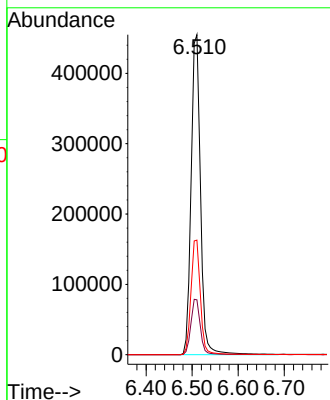
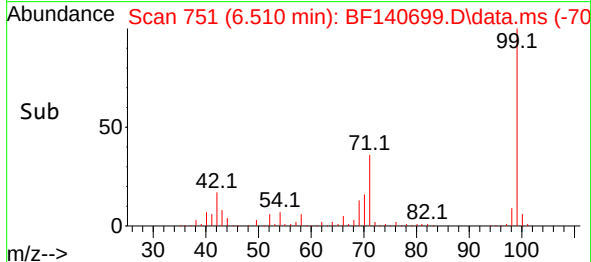
Instrument :
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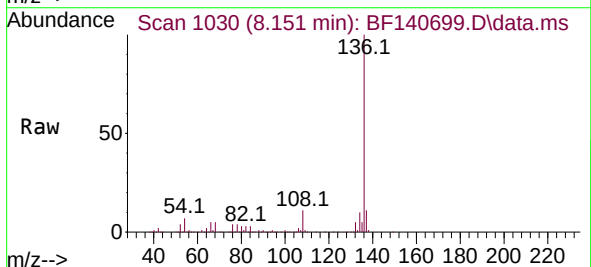
Tgt Ion: 99 Resp: 642428
Ion Ratio Lower Upper
99 100
42 17.1 15.4 23.0
71 35.8 30.6 46.0

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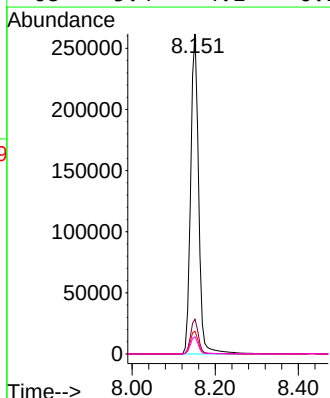
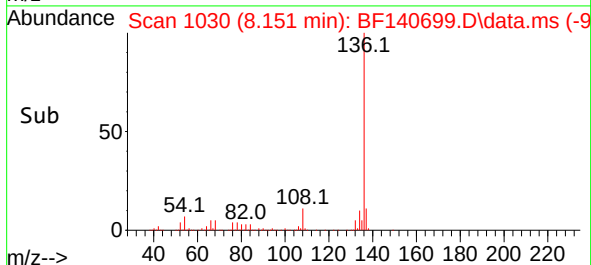
Reviewed By :Jagrut Upadhyay 12/03/2024
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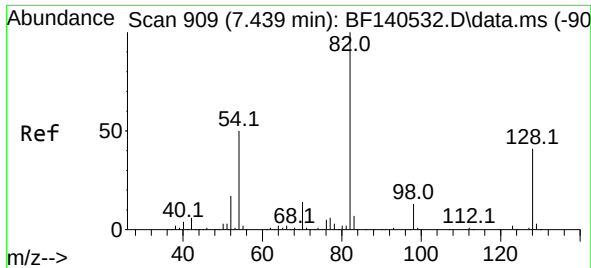


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49



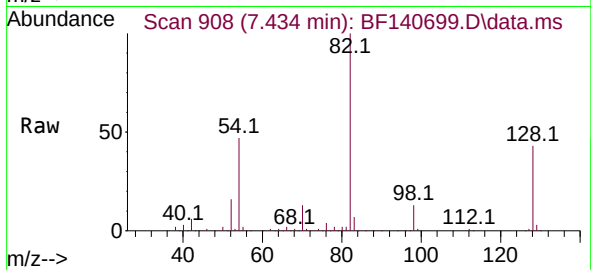
Tgt Ion:136 Resp: 348470
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.1 5.8 8.8
68 5.4 4.1 6.1





#23
Nitrobenzene-d5
Concen: 60.647 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

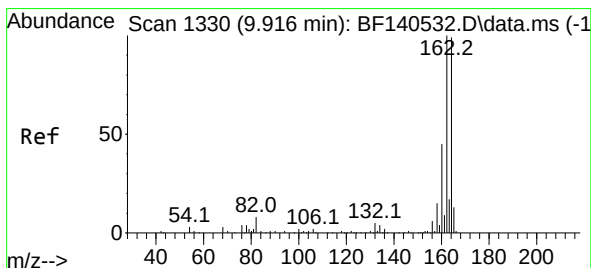
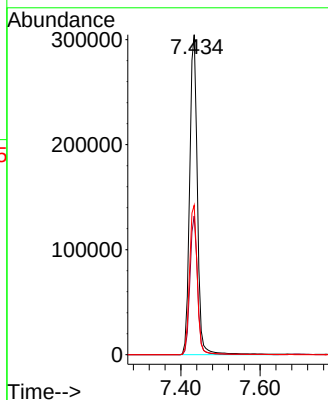
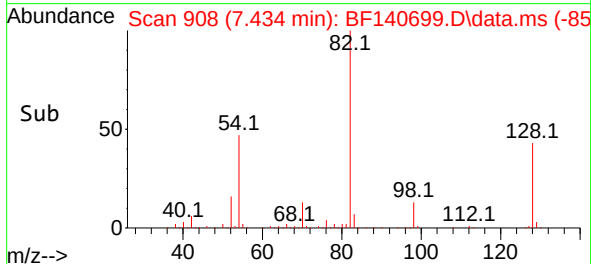
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ClientSampleId :
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Tgt Ion: 82 Resp: 413160
Ion Ratio Lower Upper
82 100
128 43.4 33.0 49.4
54 46.7 39.5 59.3

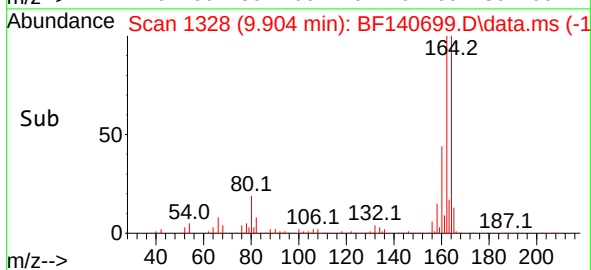
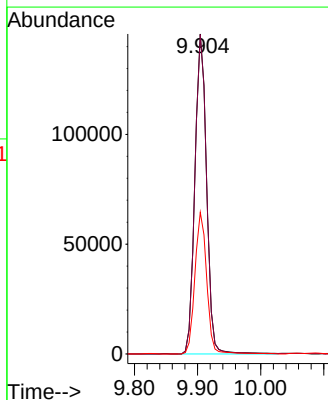
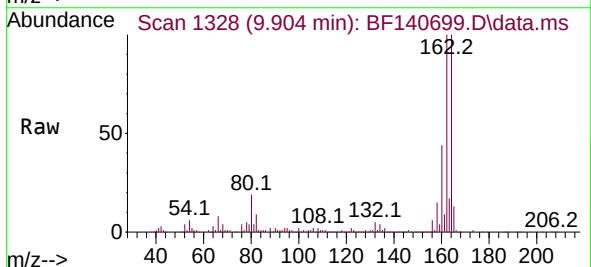
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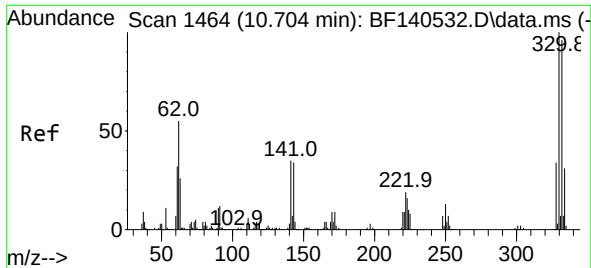
Reviewed By :Jagrut Upadhyay 12/03/2024
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

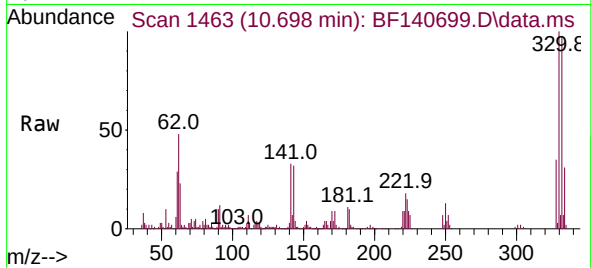
Tgt Ion:164 Resp: 187361
Ion Ratio Lower Upper
164 100
162 99.8 80.6 120.8
160 44.2 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 77.932 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

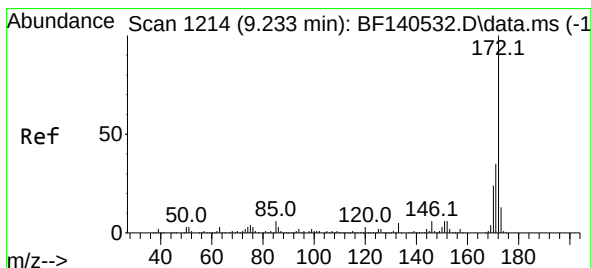
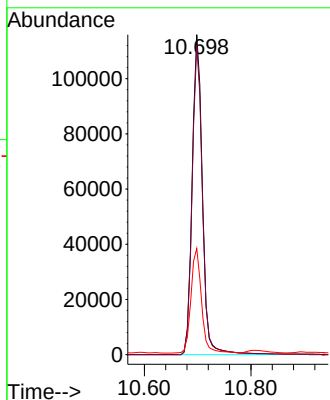
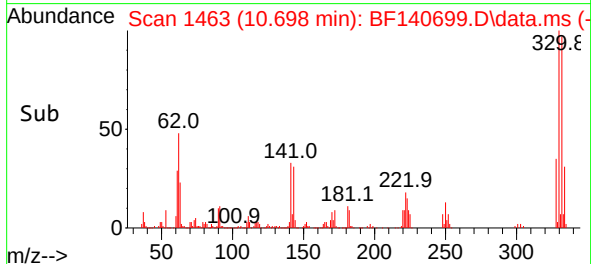
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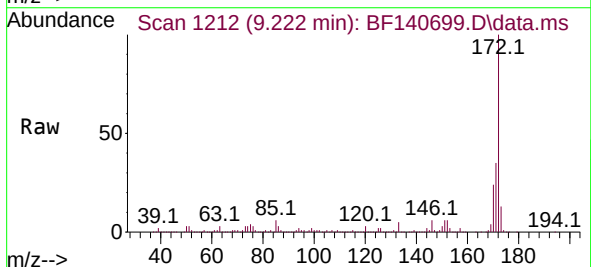
Tgt Ion: 330 Resp: 156164
Ion Ratio Lower Upper
330 100
332 97.0 76.9 115.3
141 33.5 26.7 40.1

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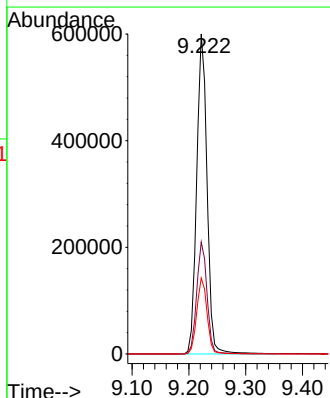
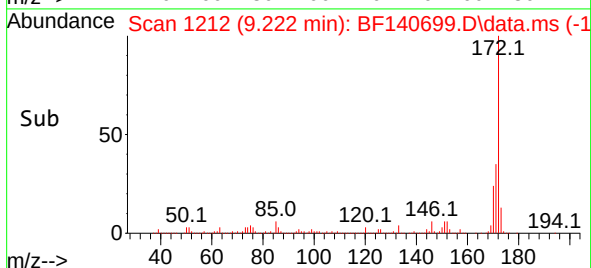
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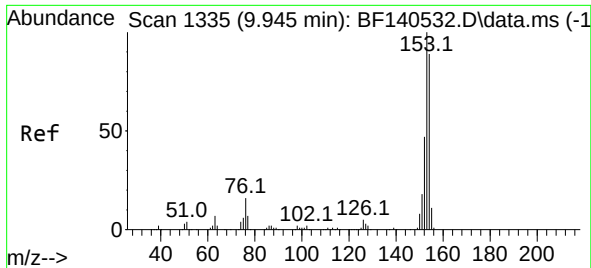


#45
2-Fluorobiphenyl
Concen: 61.002 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49



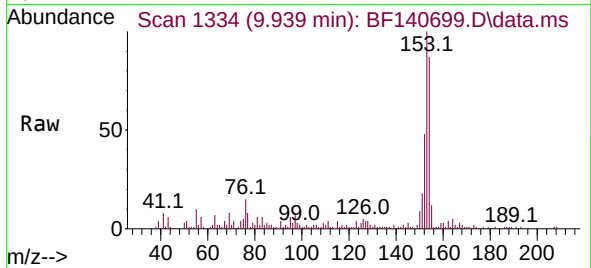
Tgt Ion: 172 Resp: 767108
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.7 19.0 28.6





#52
Acenaphthene
Concen: 3.591 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

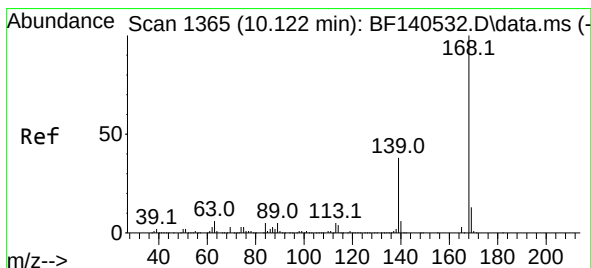
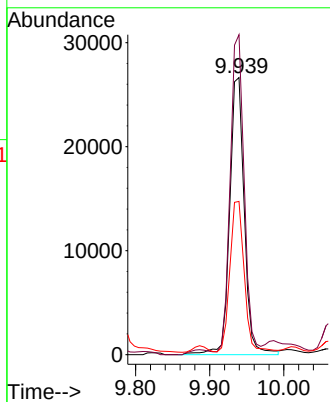
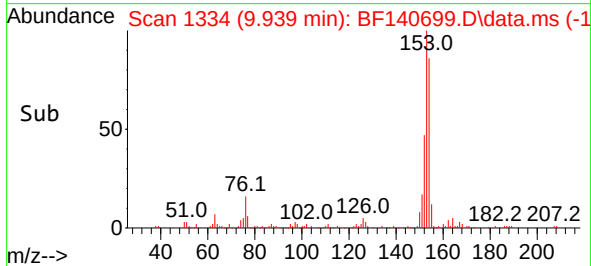
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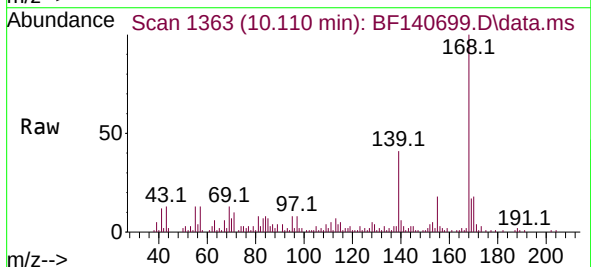
Tgt Ion:154 Resp: 36538
Ion Ratio Lower Upper
154 100
153 115.5 89.7 134.5
152 55.3 42.5 63.7

Manual Integrations
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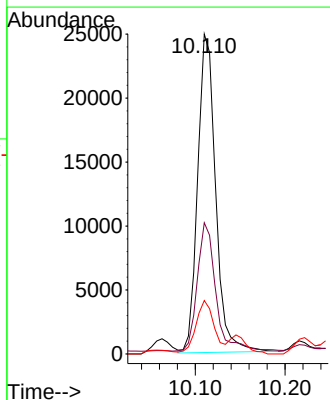
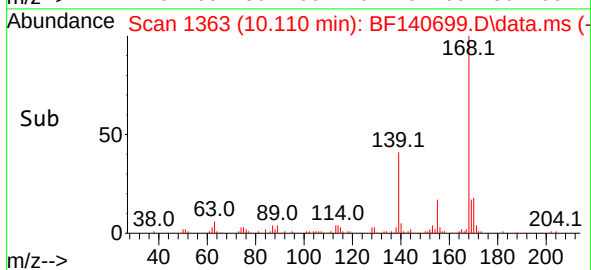
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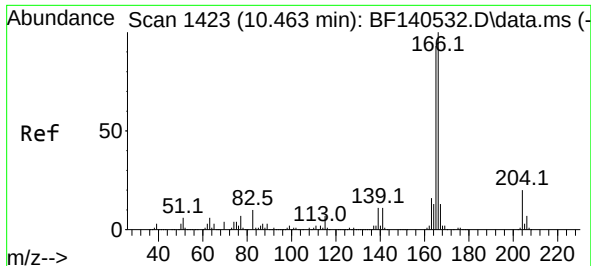


#55
Dibenzofuran
Concen: 2.231 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49



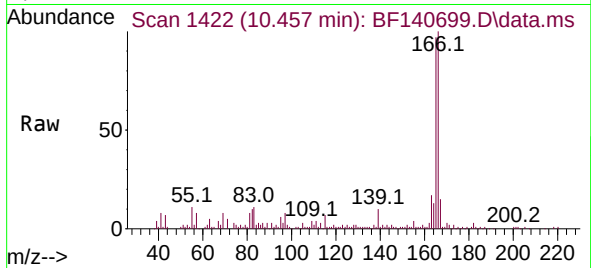
Tgt Ion:168 Resp: 34630
Ion Ratio Lower Upper
168 100
139 41.0 31.3 46.9
169 16.7 10.5 15.7#





#58
Fluorene
Concen: 4.221 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

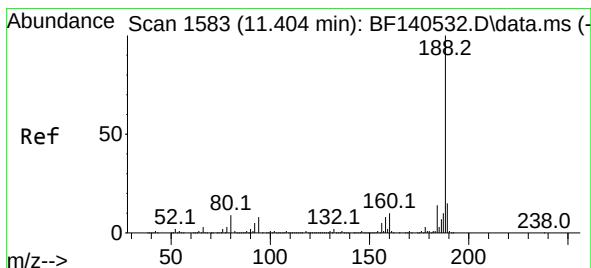
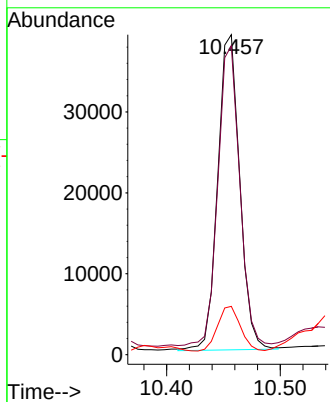
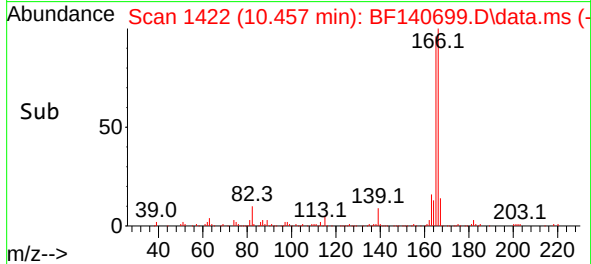
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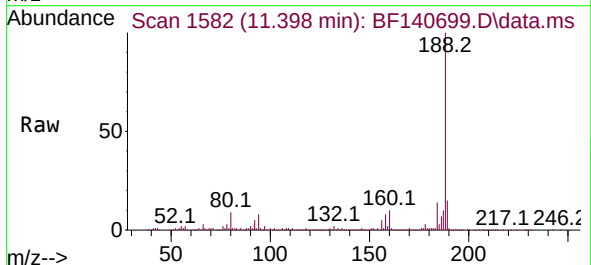
Tgt Ion:166 Resp: 5258
Ion Ratio Lower Upper
166 100
165 96.5 74.6 111.8
167 15.1 10.6 16.0

Manual Integrations
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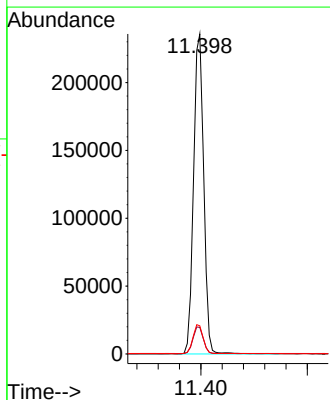
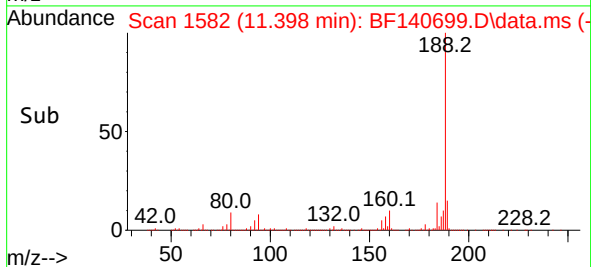
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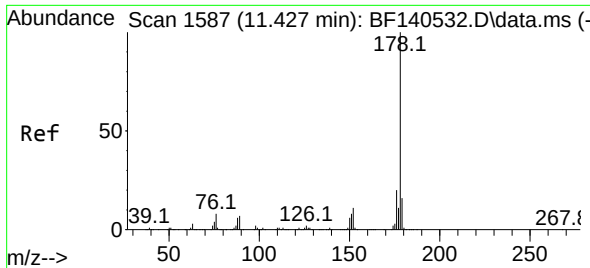


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49



Tgt Ion:188 Resp: 311278
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 8.8 6.9 10.3





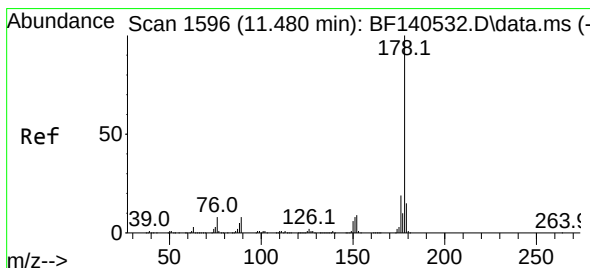
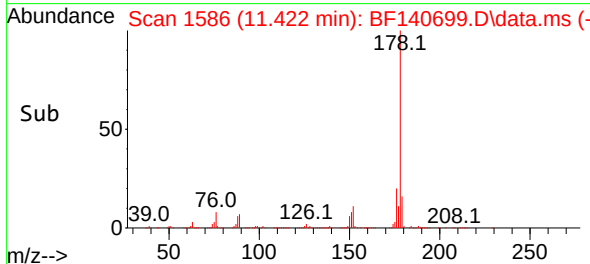
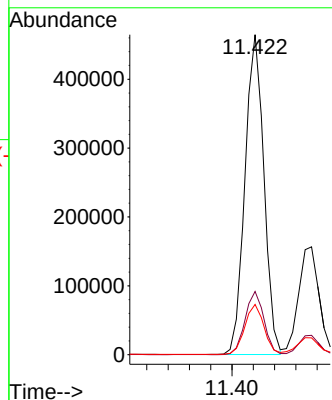
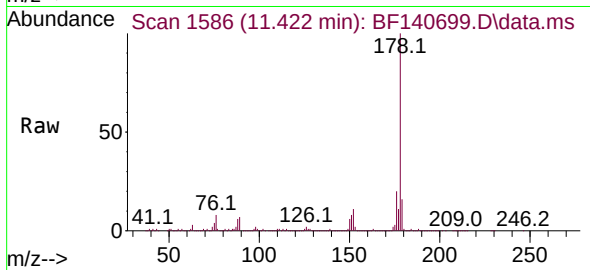
#71
Phenanthrene
Concen: 38.406 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:178 Resp: 574660
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 15.7 12.4 18.6

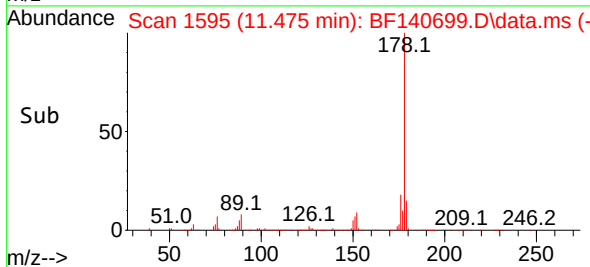
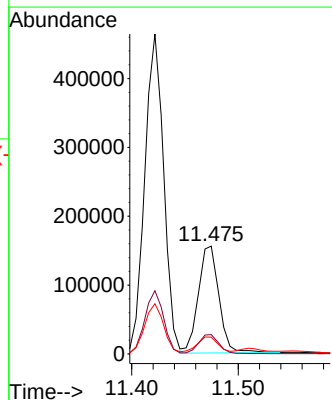
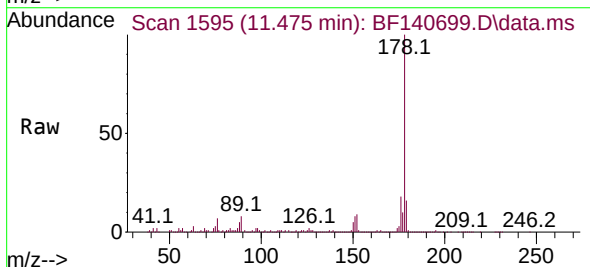
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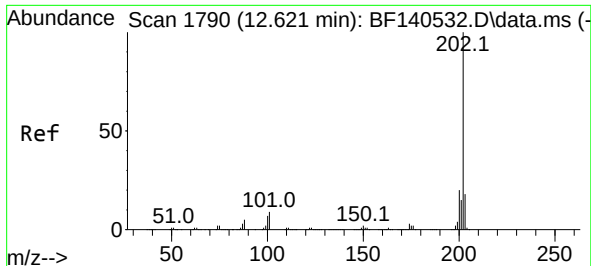
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#72
Anthracene
Concen: 14.322 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

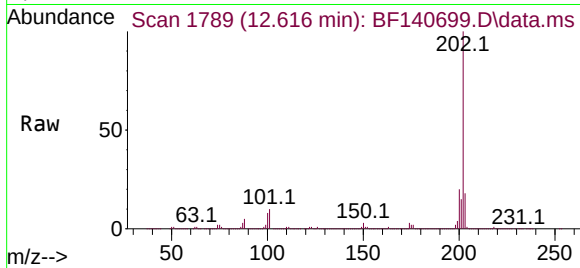
Tgt Ion:178 Resp: 209621
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 15.6 12.2 18.4





#75
Fluoranthene
Concen: 80.276 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

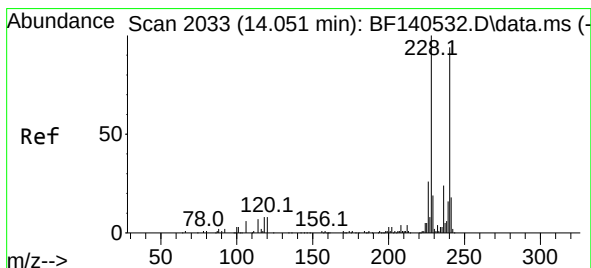
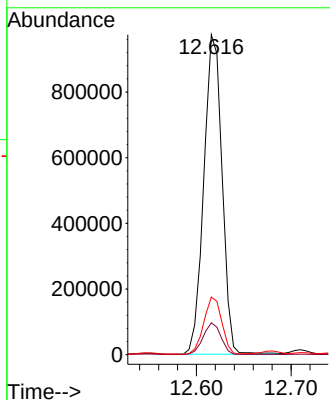
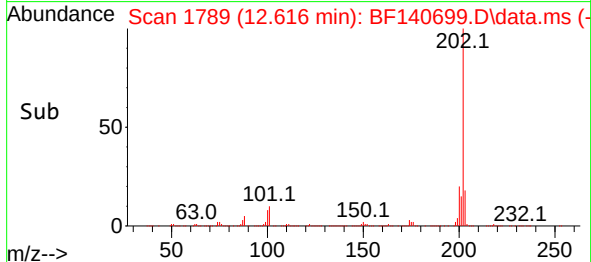
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024



Tgt Ion:202 Resp: 130414
Ion Ratio Lower Upper
202 100
101 10.0 0.0 28.9
203 18.0 0.0 37.6

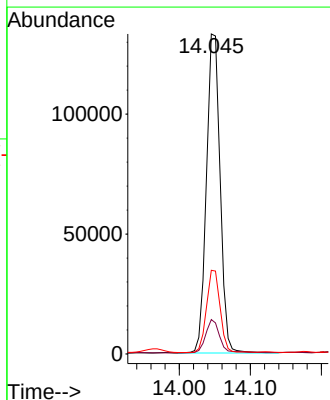
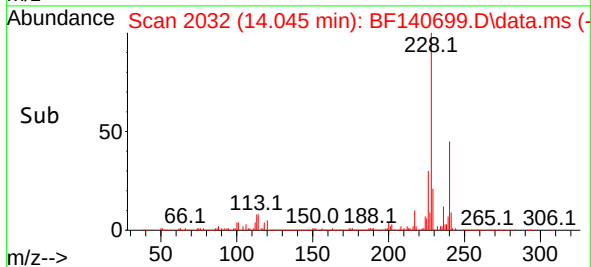
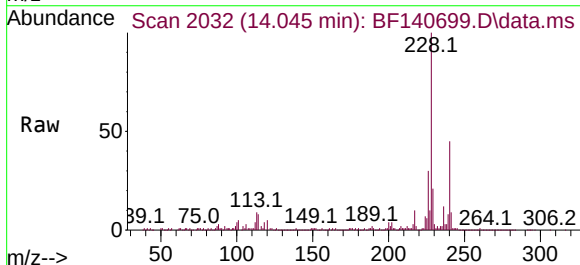
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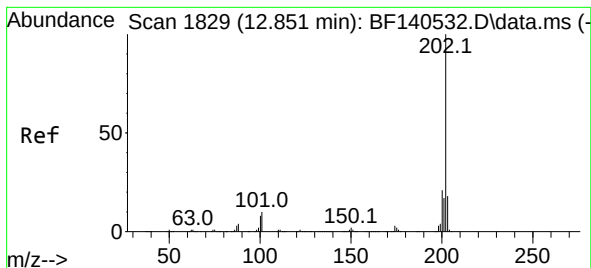
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion:240 Resp: 178689
Ion Ratio Lower Upper
240 100
120 10.7 7.3 10.9
236 26.1 20.6 31.0





#78

Pyrene

Concen: 70.204 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF140699.D

Acq: 02 Dec 2024 19:49

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024

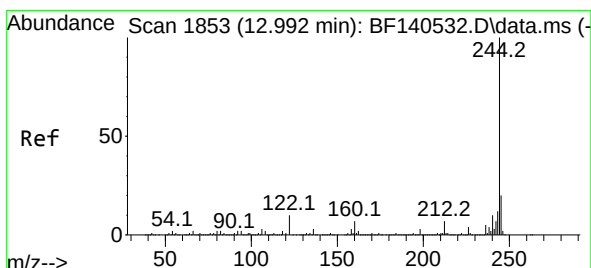
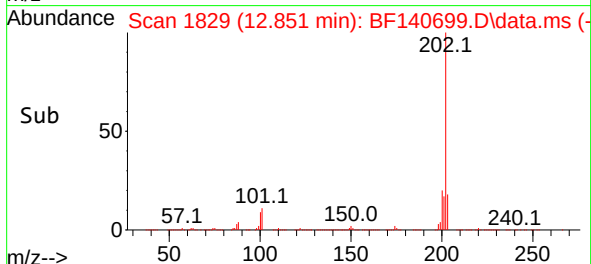
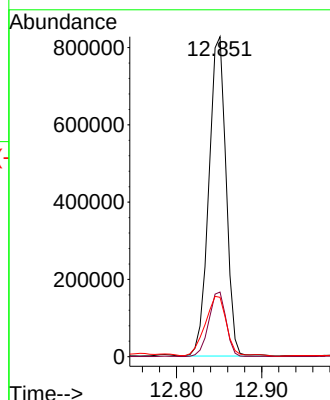
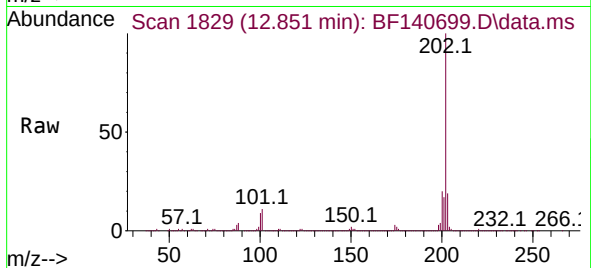
Tgt Ion:202 Resp: 115991

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.5	24.7
203	18.5	14.2	21.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#79

Terphenyl-d14

Concen: 54.065 ng

RT: 12.980 min Scan# 1851

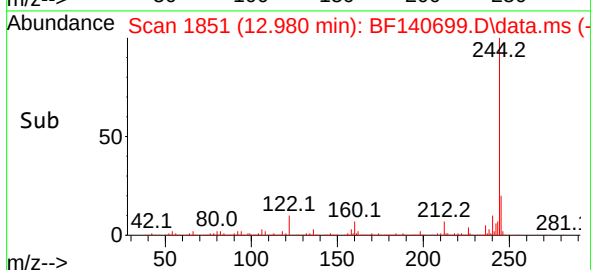
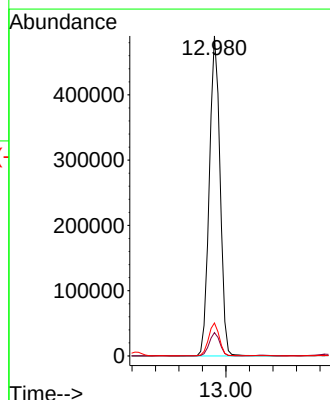
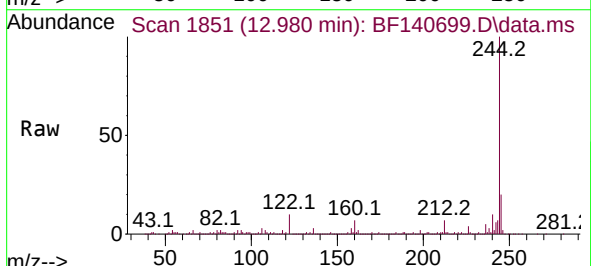
Delta R.T. -0.012 min

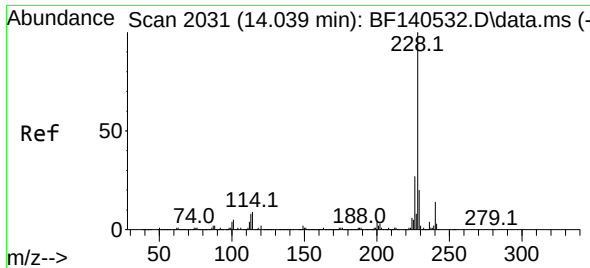
Lab File: BF140699.D

Acq: 02 Dec 2024 19:49

Tgt Ion:244 Resp: 620428

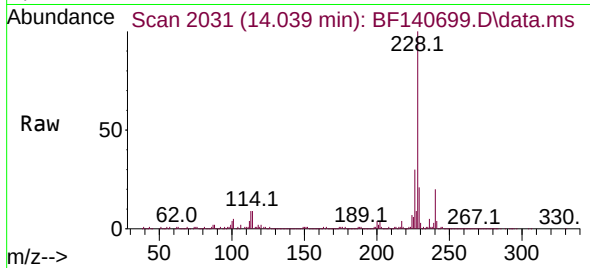
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	10.3	8.0	12.0





#81
Benzo(a)anthracene
Concen: 52.222 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

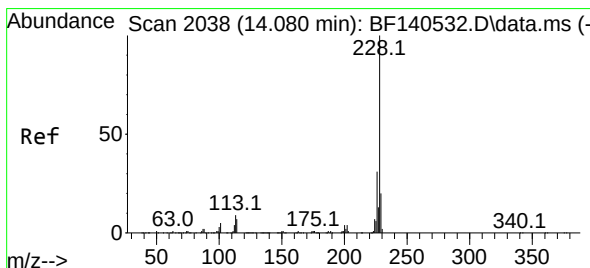
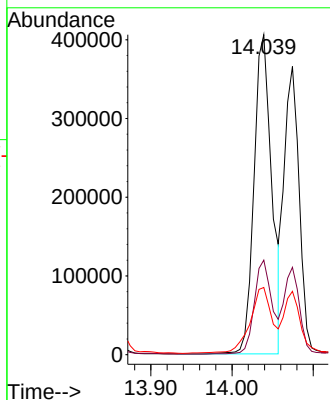
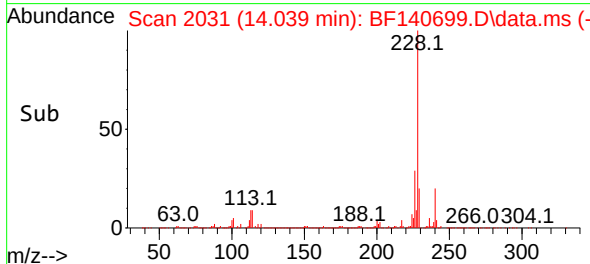
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024



Tgt Ion:228 Resp: 61770
Ion Ratio Lower Upper
228 100
226 29.5 21.8 32.8
229 21.0 15.8 23.6

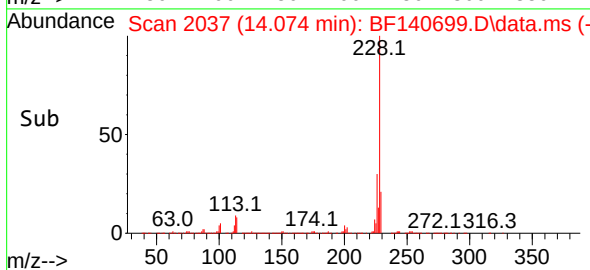
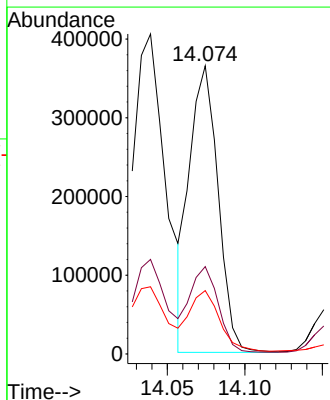
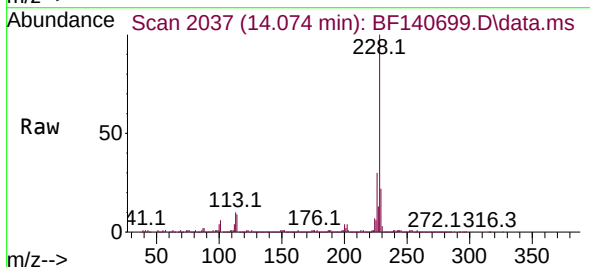
Manual Integrations
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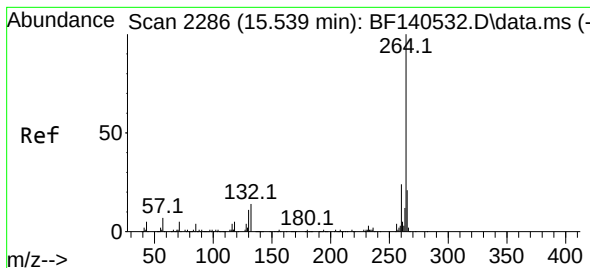
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#83
Chrysene
Concen: 43.196 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion:228 Resp: 467198
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.0 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140699.D

Acq: 02 Dec 2024 19:49

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024

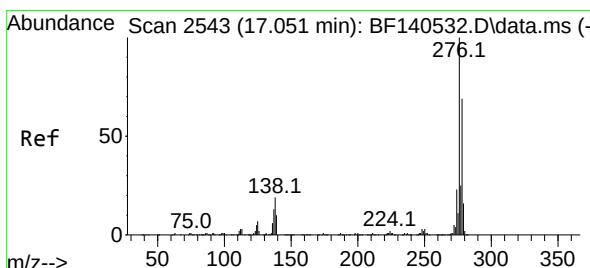
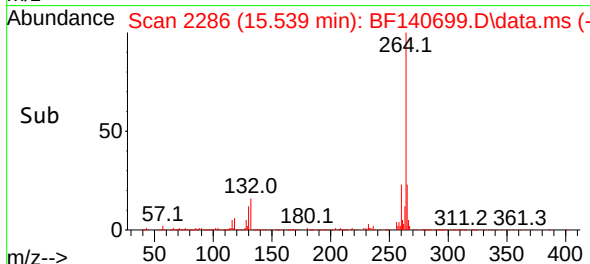
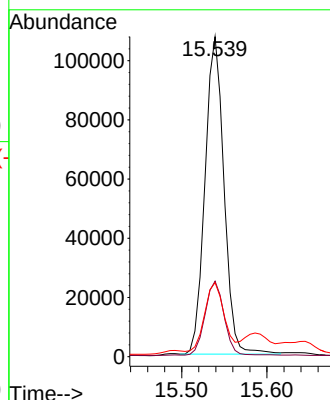
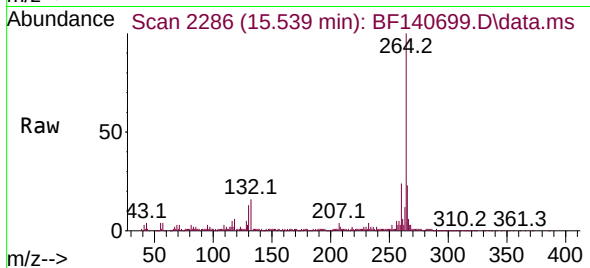
Tgt Ion:264 Resp: 166230

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	23.1	16.6	25.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 18.893 ng

RT: 17.045 min Scan# 2542

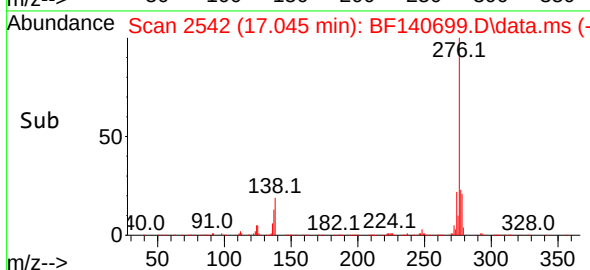
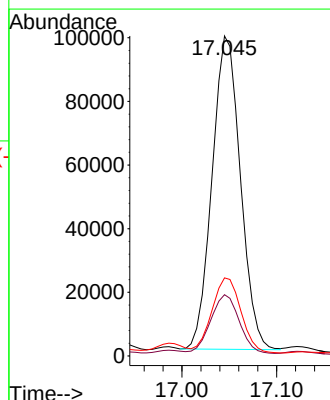
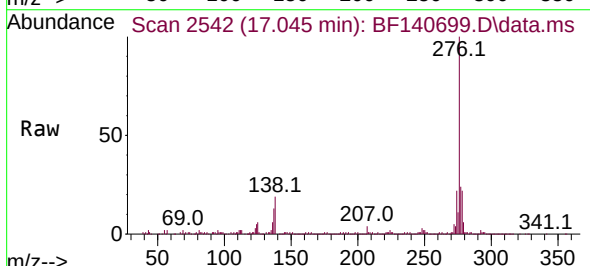
Delta R.T. -0.006 min

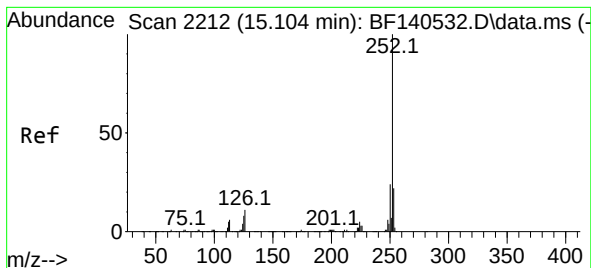
Lab File: BF140699.D

Acq: 02 Dec 2024 19:49

Tgt Ion:276 Resp: 204681

Ion	Ratio	Lower	Upper
276	100		
138	18.9	15.5	23.3
277	24.6	20.1	30.1





#88

Benzo(b)fluoranthene

Concen: 59.734 ng m

RT: 15.104 min Scan# 2212

Delta R.T. 0.000 min

Lab File: BF140699.D

Acq: 02 Dec 2024 19:49

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024

Tgt Ion:252 Resp: 62371

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

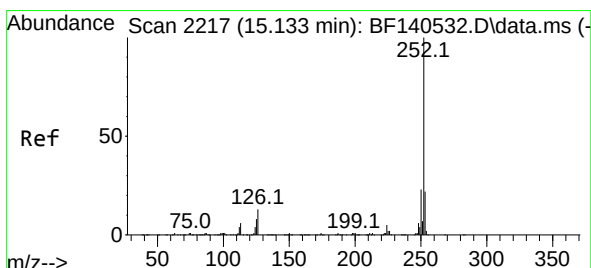
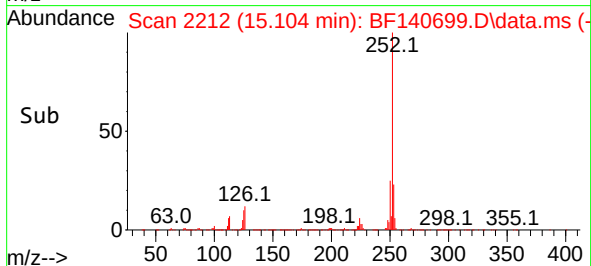
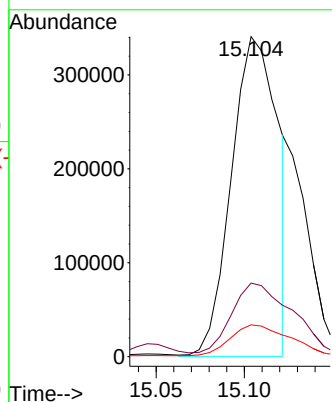
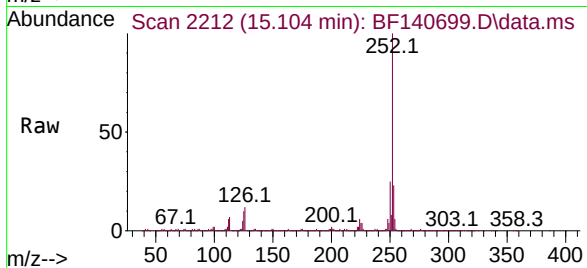
125 9.9 6.7 10.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#89

Benzo(k)fluoranthene

Concen: 20.945 ng m

RT: 15.121 min Scan# 2215

Delta R.T. -0.012 min

Lab File: BF140699.D

Acq: 02 Dec 2024 19:49

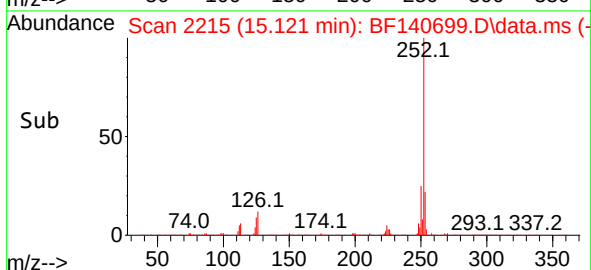
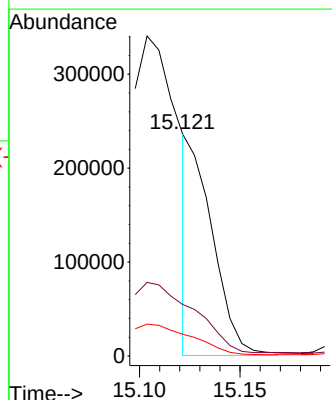
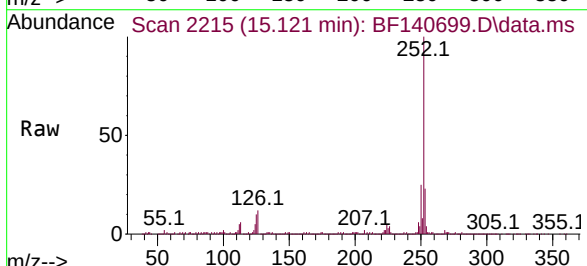
Tgt Ion:252 Resp: 191381

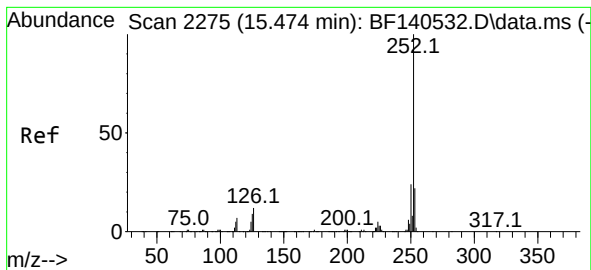
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 9.8 6.5 9.7#





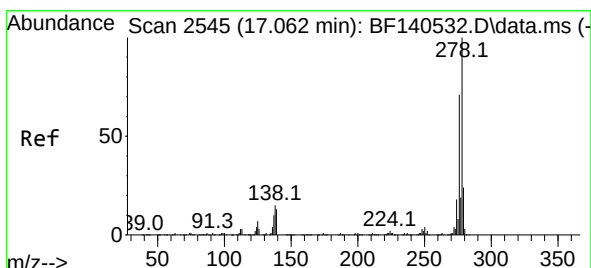
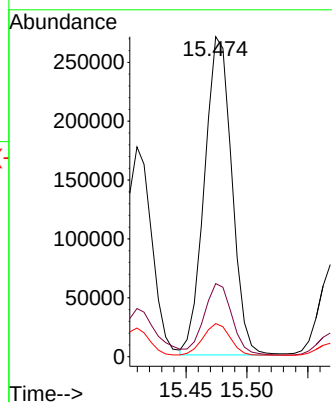
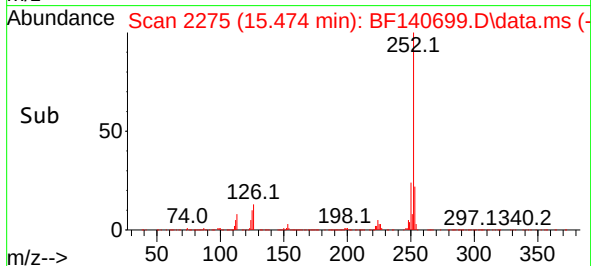
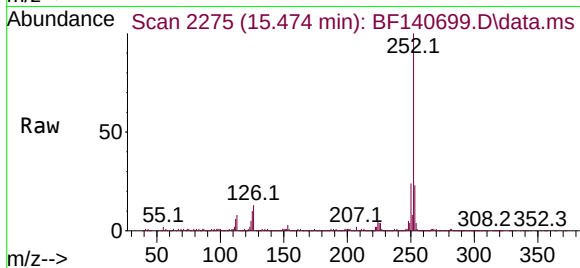
#90
Benzo(a)pyrene
Concen: 49.872 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Instrument :
BNA_F
ClientSampleId :
SU-04-11222024

Tgt Ion:252 Resp: 423400
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 10.4 7.0 10.6

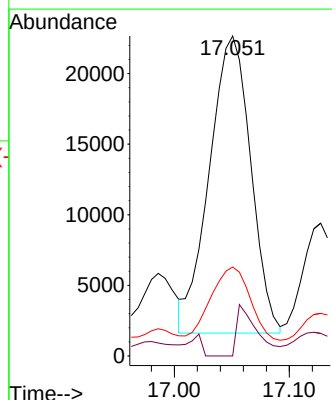
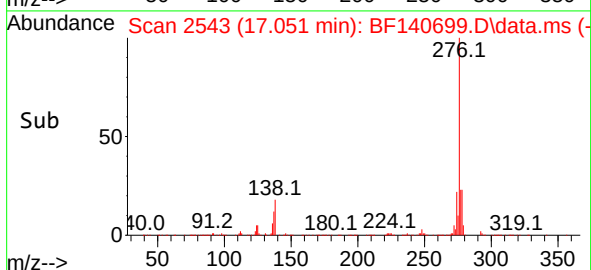
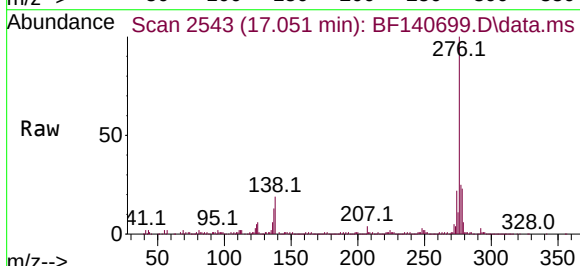
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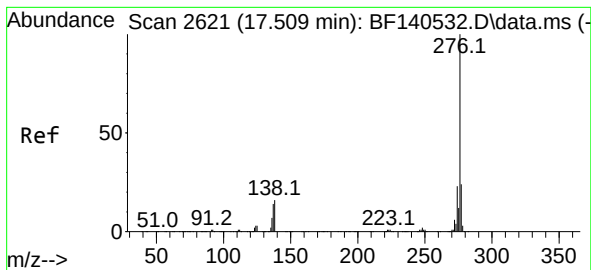
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#91
Dibenzo(a,h)anthracene
Concen: 5.938 ng m
RT: 17.051 min Scan# 2543
Delta R.T. -0.012 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

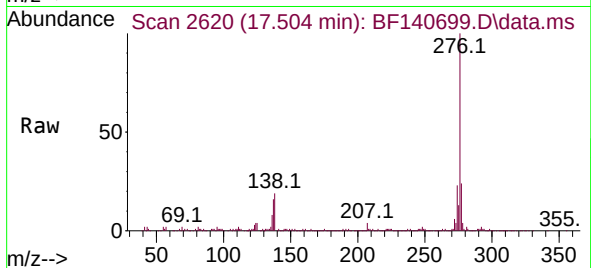
Tgt Ion:278 Resp: 52685
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.4#
279 27.8 18.9 28.3





#92
Benzo(g,h,i)perylene
Concen: 21.610 ng
RT: 17.504 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Instrument :
BNA_F
ClientSampleId :
SU-04-11222024



Tgt Ion:276 Resp: 19565
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 18.6 13.2 19.8

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

