

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140278.D
 Acq On : 07 Nov 2024 16:39
 Operator : RC/JU
 Sample : P4694-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-04

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 08 01:29:10 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	6.875	152	120915	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	449073	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	246987	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	362206	20.000	ng	0.00
76) Chrysene-d12	14.051	240	260342	20.000	ng	-0.01
86) Perylene-d12	15.539	264	227502	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	851241	116.667	ng	0.00
7) Phenol-d6	6.498	99	1082234	115.317	ng	0.00
23) Nitrobenzene-d5	7.434	82	711188	78.738	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	258870	106.036	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1204664	77.883	ng	0.00
79) Terphenyl-d14	12.992	244	956445	60.182	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.463	166	31986	2.130	ng	99
71) Phenanthrene	11.428	178	399618	23.118	ng	98
72) Anthracene	11.480	178	86165	5.084	ng	98
73) Carbazole	11.633	167	43153	2.786	ng	99
75) Fluoranthene	12.622	202	546968	30.262	ng	99
78) Pyrene	12.851	202	488951	22.746	ng	99
81) Benzo(a)anthracene	14.039	228	279282	16.716	ng	98
83) Chrysene	14.074	228	244284	15.613	ng	98
87) Indeno(1,2,3-cd)pyrene	17.033	276	84059	6.295	ng	97
88) Benzo(b)fluoranthene	15.104	252	262577m	19.081	ng	
89) Benzo(k)fluoranthene	15.115	252	106504m	8.434	ng	
90) Benzo(a)pyrene	15.474	252	179747	15.843	ng	98
91) Dibenzo(a,h)anthracene	17.045	278	24675m	2.246	ng	
92) Benzo(g,h,i)perylene	17.492	276	78431	6.998	ng	98

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

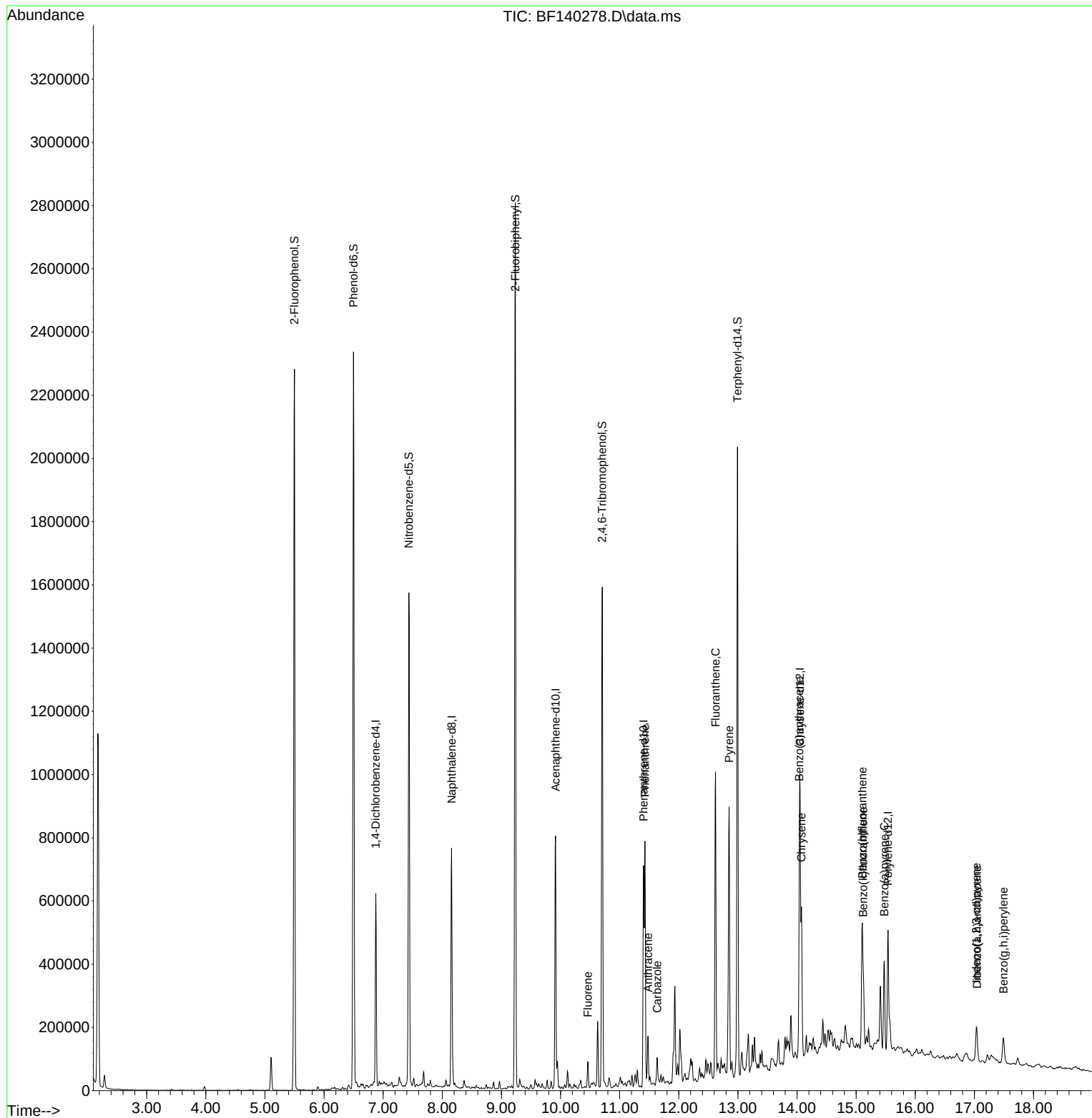
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140278.D
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ALS Vial : 19 Sample Multiplier: 1

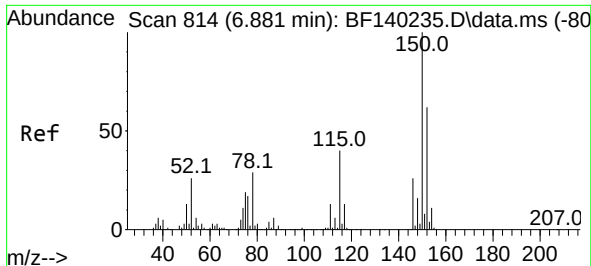
Instrument :
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Quant Time: Nov 08 01:29:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

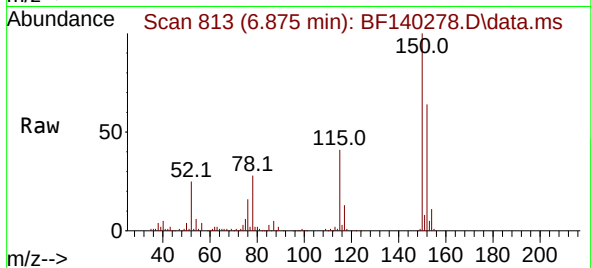
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

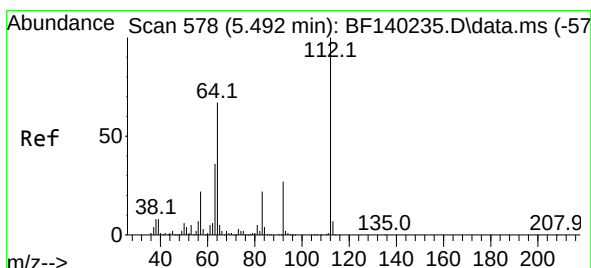
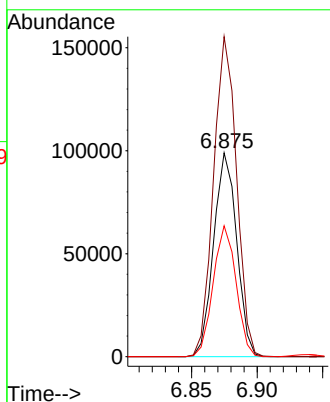
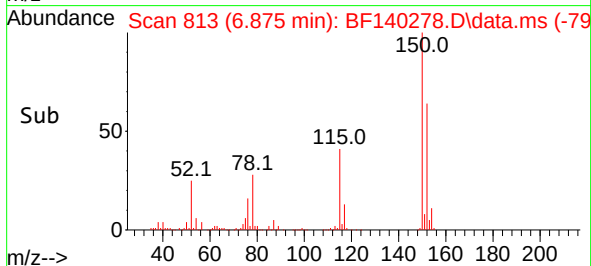
Instrument :
BNA_F
ClientSampleId :
Z-04



Tgt Ion:152 Resp: 120915
Ion Ratio Lower Upper
152 100
150 157.0 129.4 194.2
115 64.2 51.5 77.3

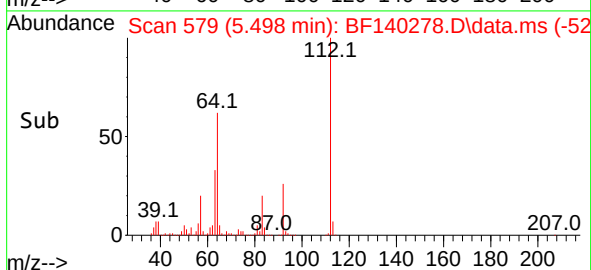
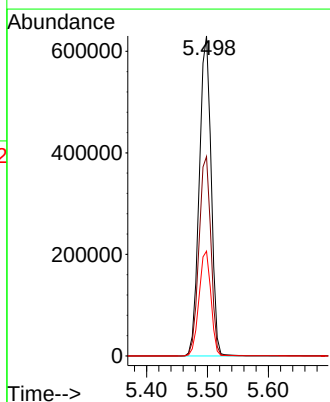
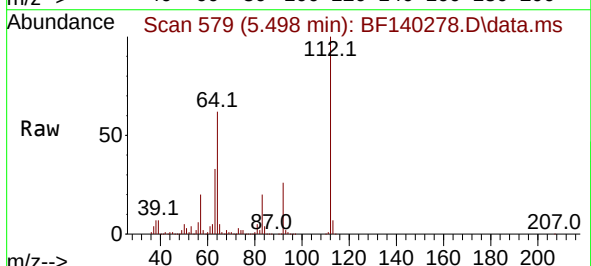
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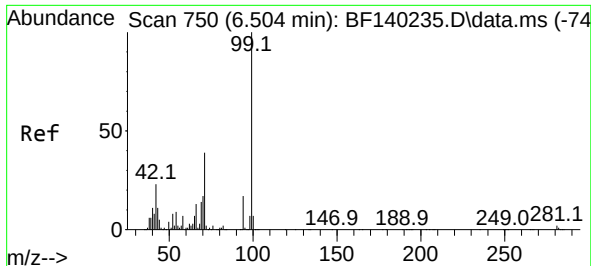
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#5
2-Fluorophenol
Concen: 116.667 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

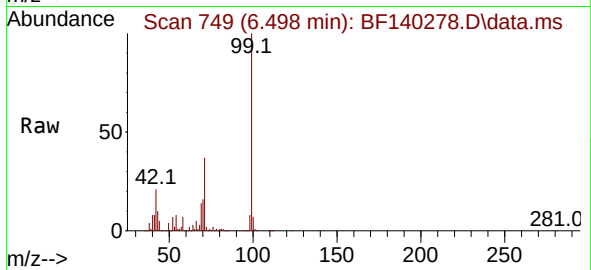
Tgt Ion:112 Resp: 851241
Ion Ratio Lower Upper
112 100
64 62.3 53.4 80.2
63 32.7 28.9 43.3





#7
Phenol-d6
Concen: 115.317 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

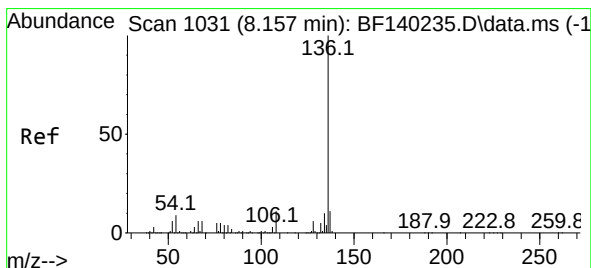
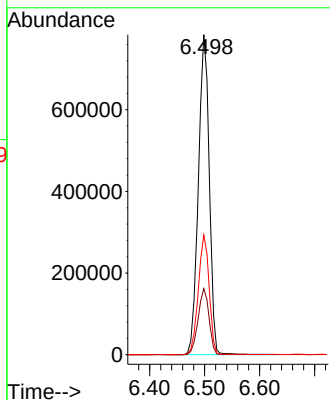
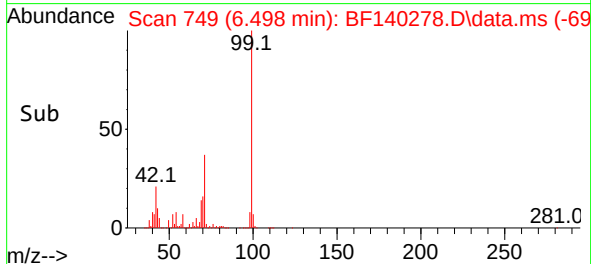
Instrument :
BNA_F
ClientSampleId :
Z-04



Tgt Ion: 99 Resp: 1082234
Ion Ratio Lower Upper
99 100
42 20.7 18.2 27.2
71 37.4 30.9 46.3

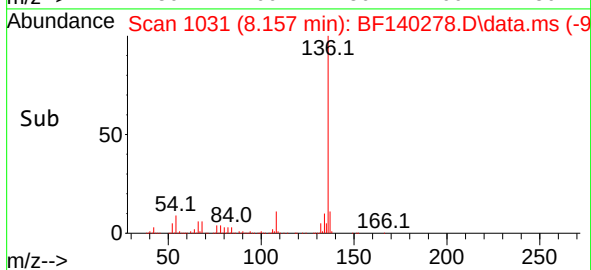
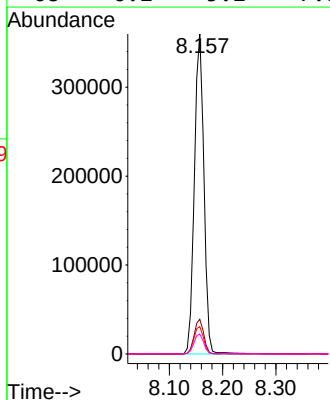
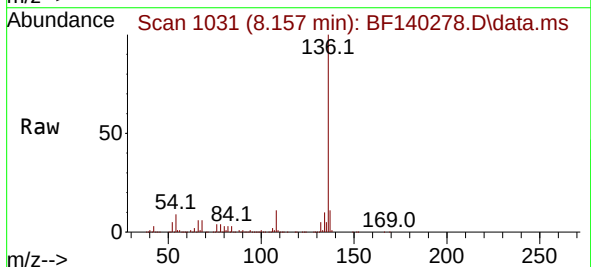
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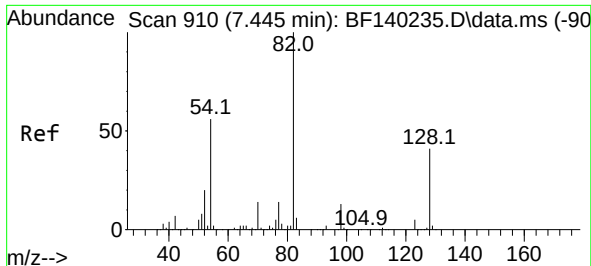
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

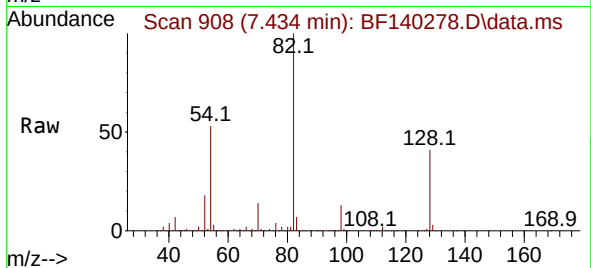
Tgt Ion:136 Resp: 449073
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 8.6 7.7 11.5
68 6.2 5.2 7.8





#23
Nitrobenzene-d5
Concen: 78.738 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

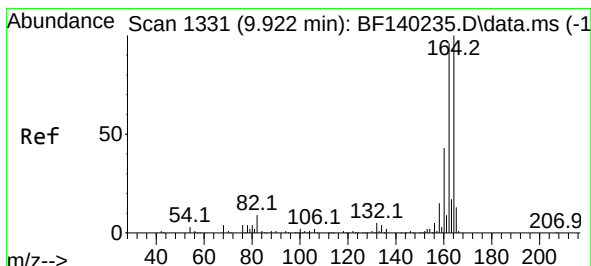
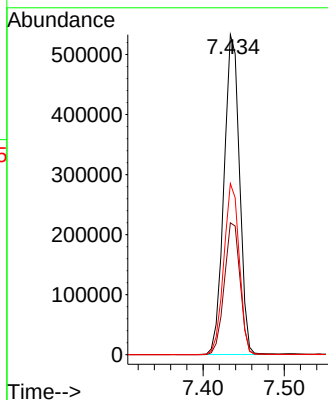
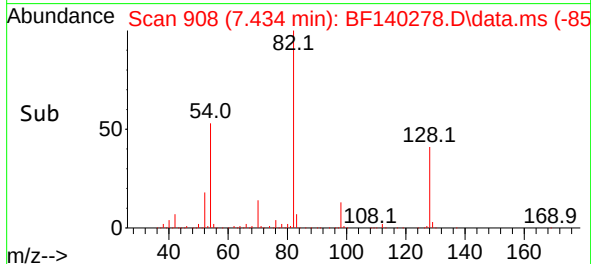
Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 71118
Ion Ratio Lower Upper
82 100
128 41.2 32.8 49.2
54 53.5 44.3 66.5

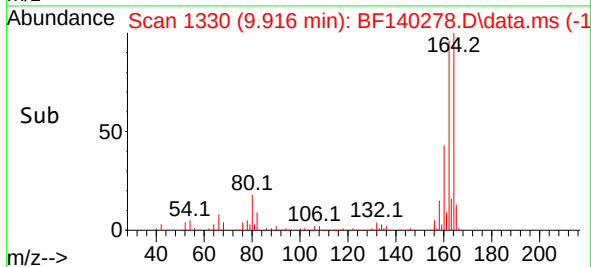
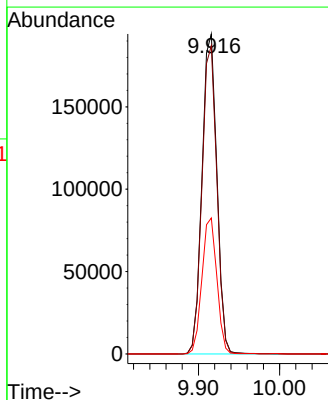
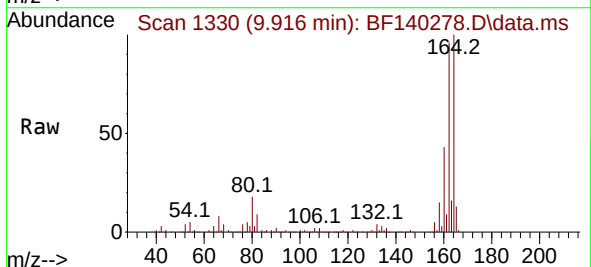
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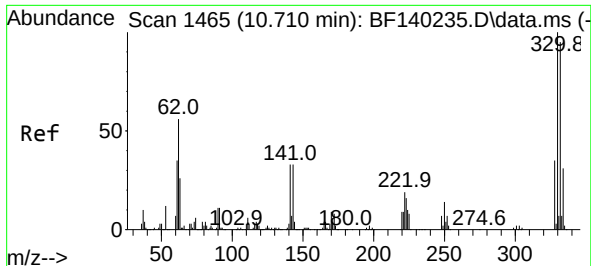
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

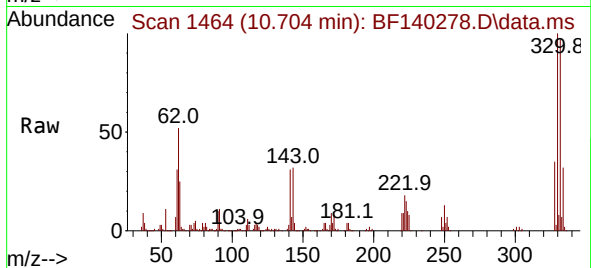
Tgt Ion:164 Resp: 246987
Ion Ratio Lower Upper
164 100
162 96.4 77.0 115.4
160 42.5 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 106.036 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

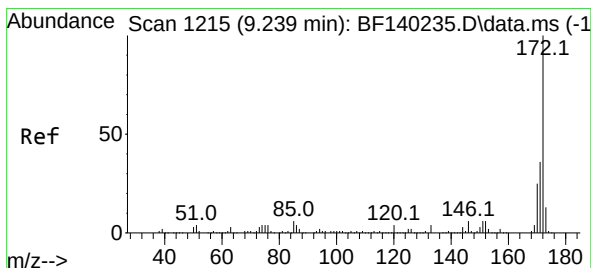
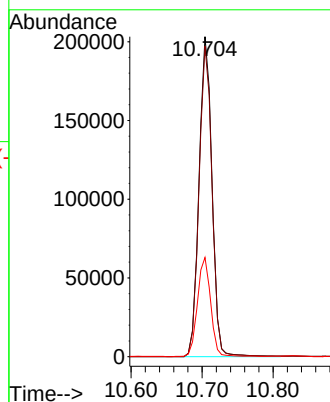
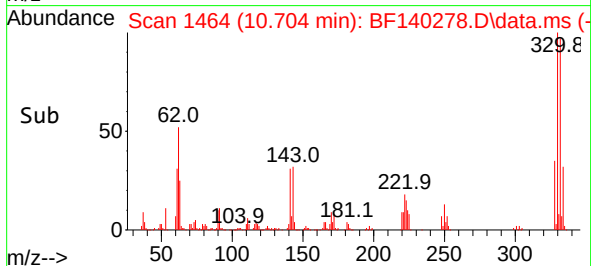
Instrument :
BNA_F
ClientSampleId :
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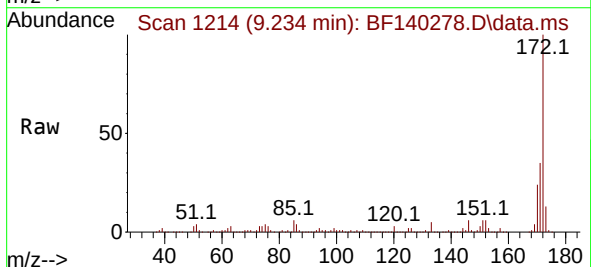
Tgt Ion: 330 Resp: 258870
Ion Ratio Lower Upper
330 100
332 97.2 76.4 114.6
141 31.7 27.0 40.4

Manual Integrations
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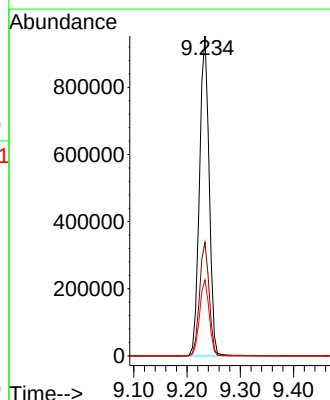
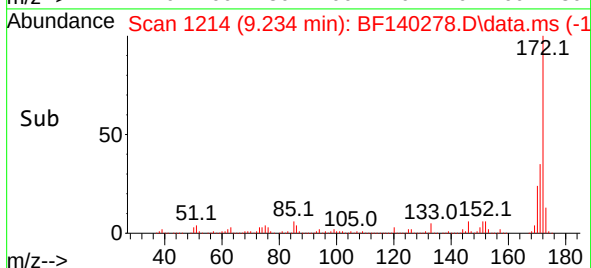
Reviewed By : Yogesh Patel 11/08/2024
Supervised By : mohammad ahmed 11/11/2024

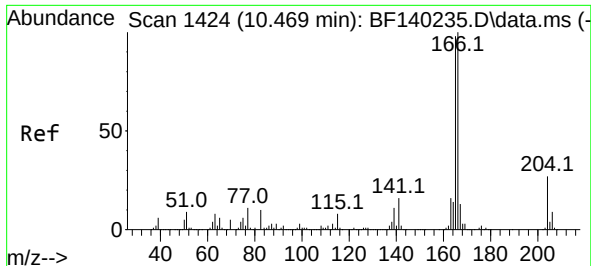


#45
2-Fluorobiphenyl
Concen: 77.883 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39



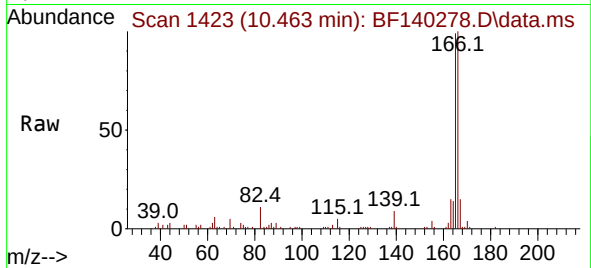
Tgt Ion: 172 Resp: 1204664
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.8 19.6 29.4





#58
Fluorene
Concen: 2.130 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

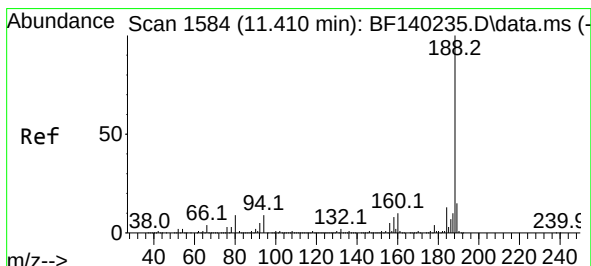
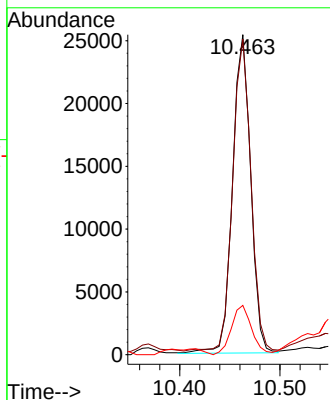
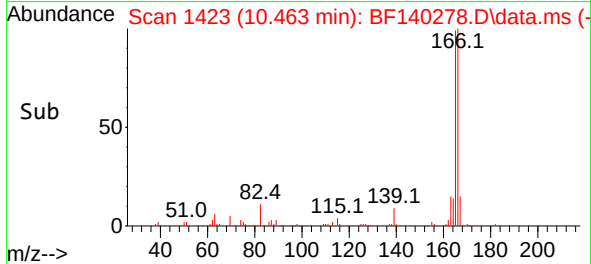
Instrument :
BNA_F
ClientSampleId :
Z-04



Tgt Ion:166 Resp: 31980
Ion Ratio Lower Upper
166 100
165 98.6 78.7 118.1
167 15.4 10.8 16.2

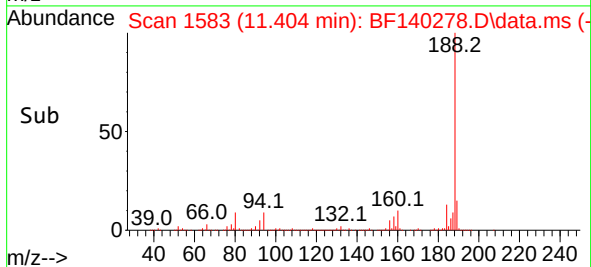
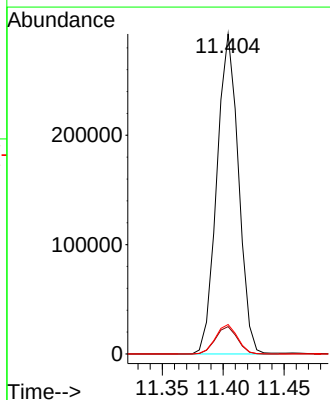
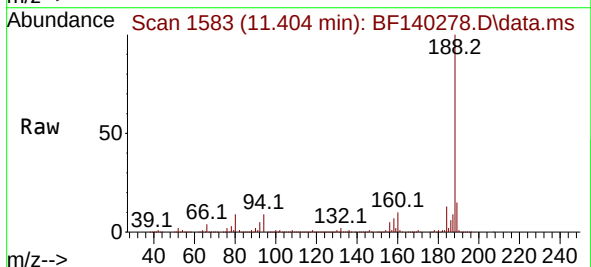
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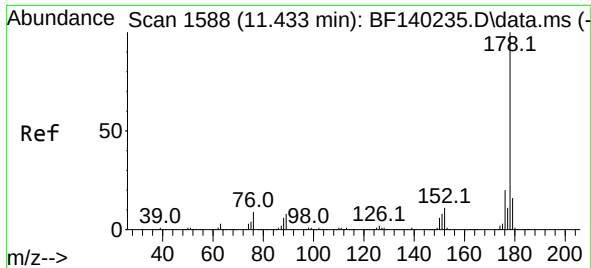
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

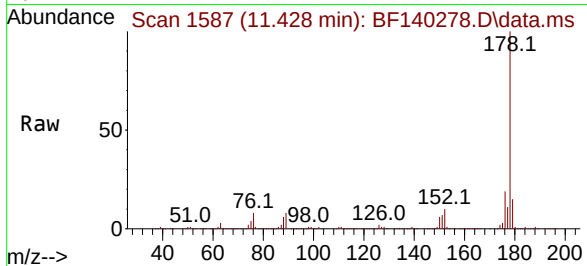
Tgt Ion:188 Resp: 362206
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 9.2 7.5 11.3





#71
Phenanthrene
Concen: 23.118 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

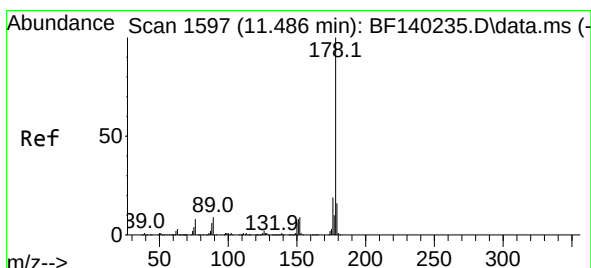
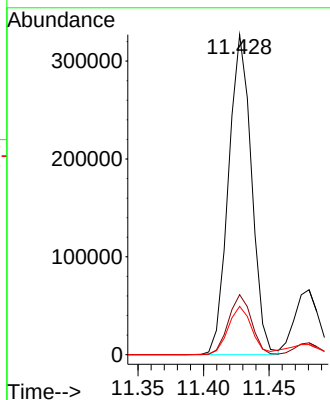
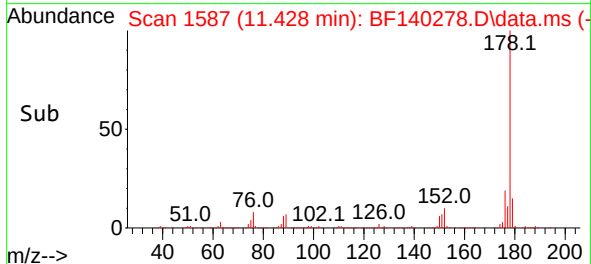
Instrument :
BNA_F
ClientSampleId :
Z-04



Tgt Ion:178 Resp: 399618
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.1 12.6 18.8

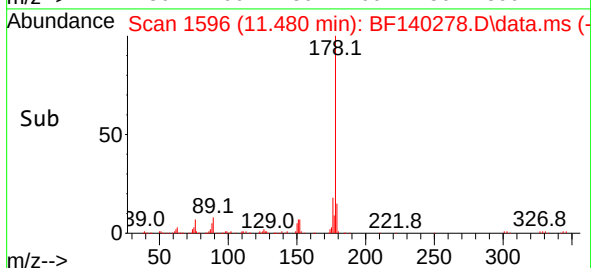
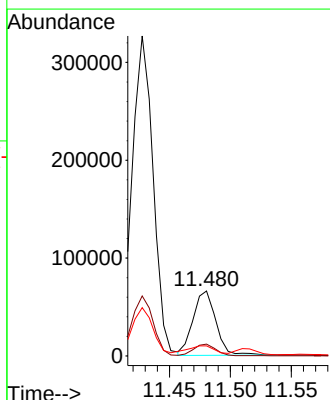
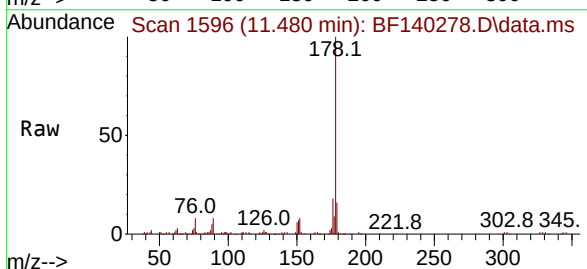
Manual Integrations
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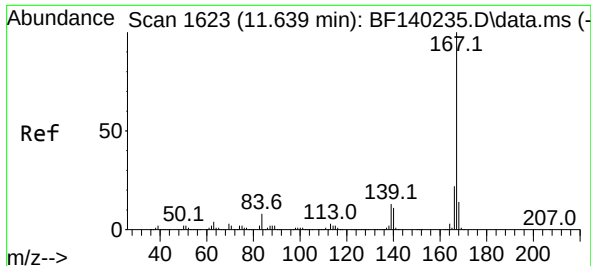
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#72
Anthracene
Concen: 5.084 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

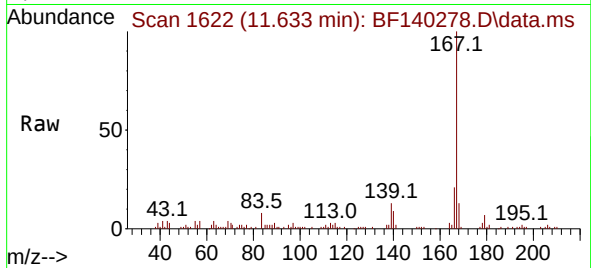
Tgt Ion:178 Resp: 86165
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.5 12.7 19.1





#73
 Carbazole
 Concen: 2.786 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF140278.D
 Acq: 07 Nov 2024 16:39

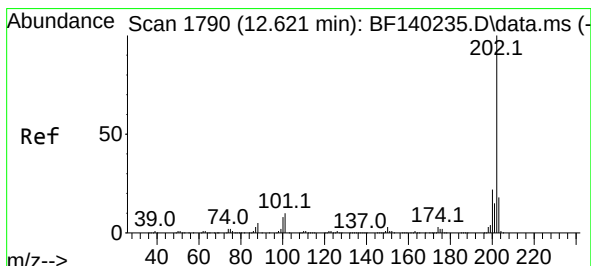
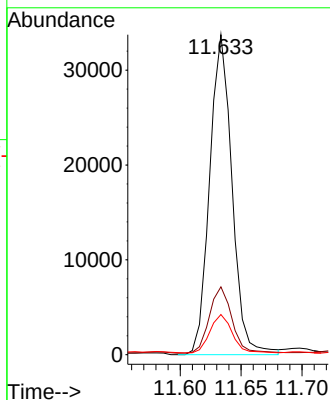
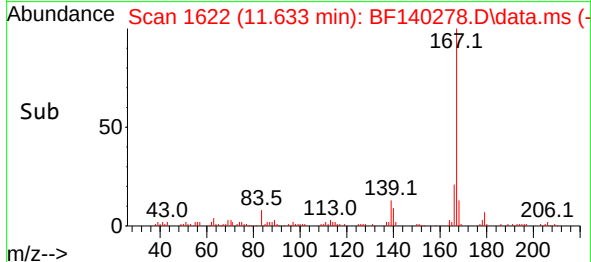
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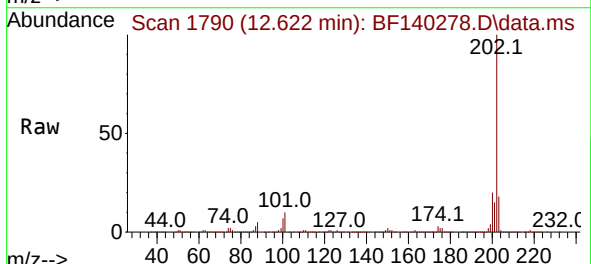
Tgt Ion:167 Resp: 4315
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.3 25.9
 139 12.6 10.7 16.1

Manual Integrations
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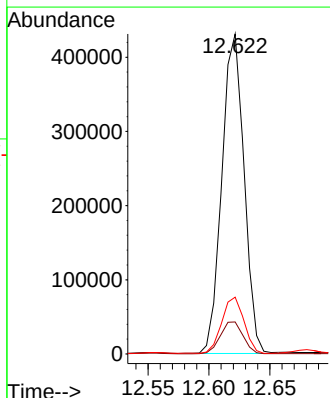
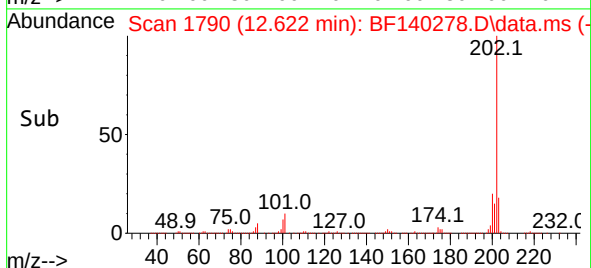
Reviewed By :Yogesh Patel 11/08/2024
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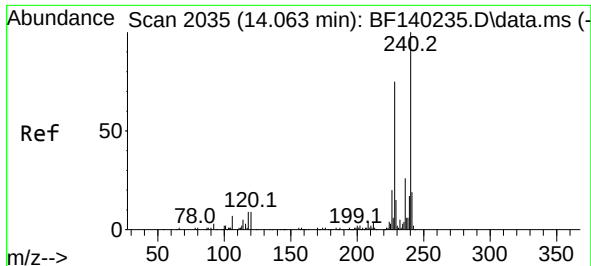


#75
 Fluoranthene
 Concen: 30.262 ng
 RT: 12.622 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: BF140278.D
 Acq: 07 Nov 2024 16:39



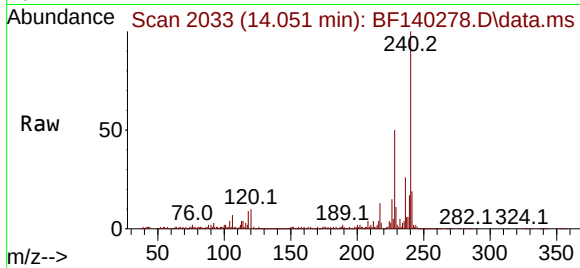
Tgt Ion:202 Resp: 546968
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.4
 203 17.7 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

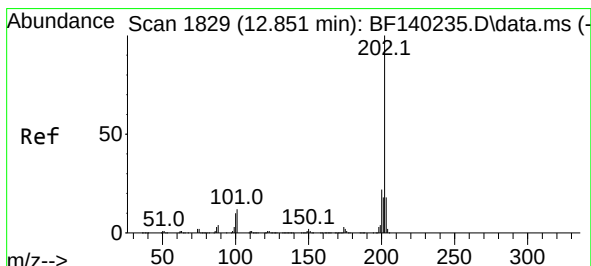
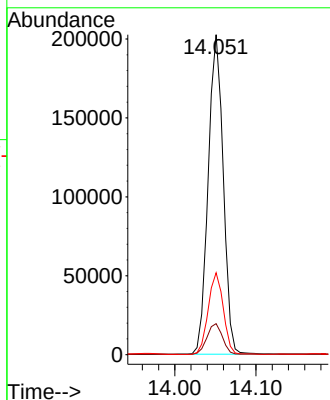
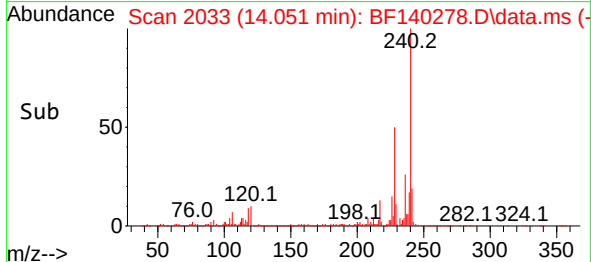
Instrument :
BNA_F
ClientSampleId :
Z-04



Tgt Ion:240 Resp: 26034
Ion Ratio Lower Upper
240 100
120 9.7 7.5 11.3
236 25.6 20.9 31.3

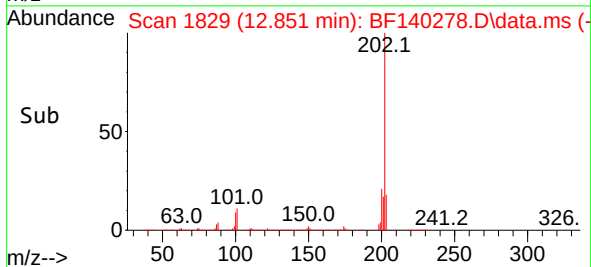
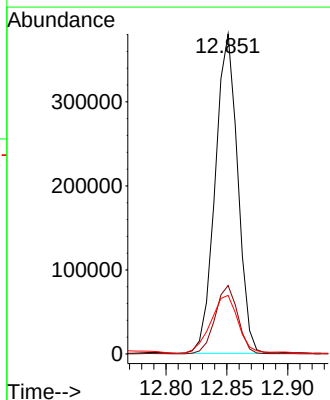
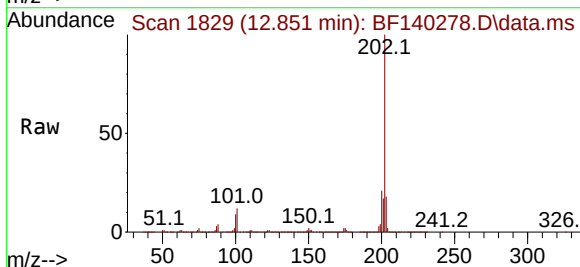
Manual Integrations
APPROVED

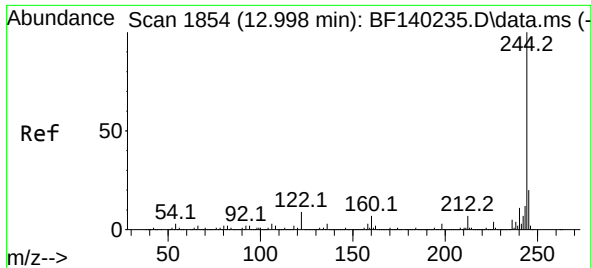
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#78
Pyrene
Concen: 22.746 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

Tgt Ion:202 Resp: 488951
Ion Ratio Lower Upper
202 100
200 21.4 17.5 26.3
203 18.3 14.4 21.6





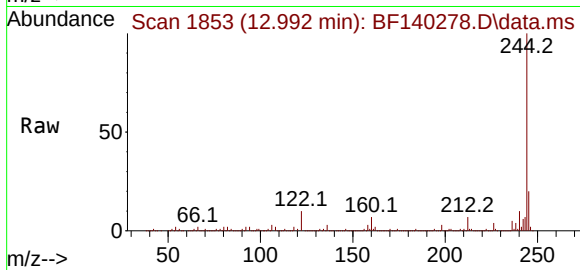
#79
 Terphenyl-d14
 Concen: 60.182 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF140278.D
 Acq: 07 Nov 2024 16:39

Instrument :

BNA_F

ClientSampleId :

Z-04



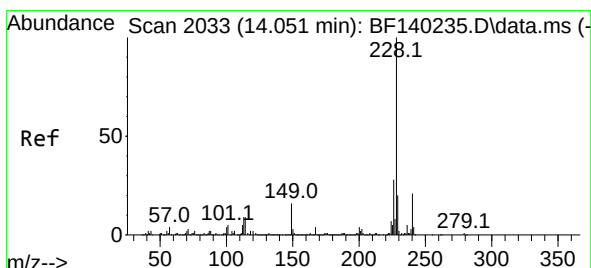
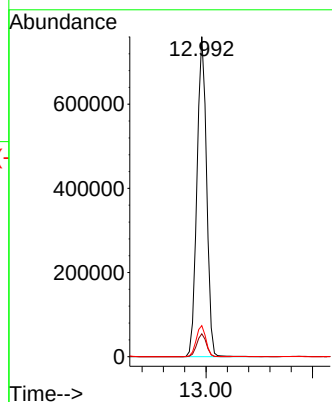
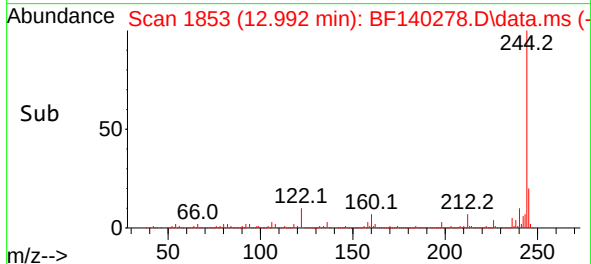
Tgt Ion:244 Resp: 956445
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 9.7 7.6 11.4

Manual Integrations

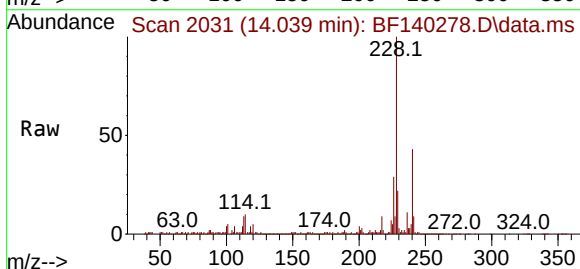
APPROVED

Reviewed By :Yogesh Patel 11/08/2024

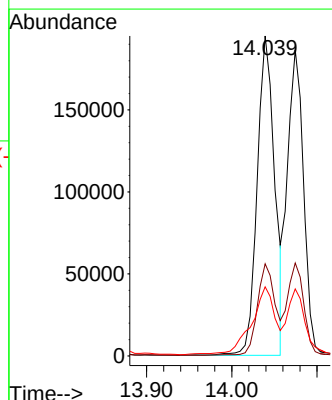
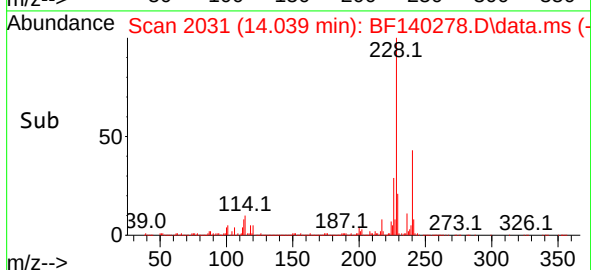
Supervised By :mohammad ahmed 11/11/2024

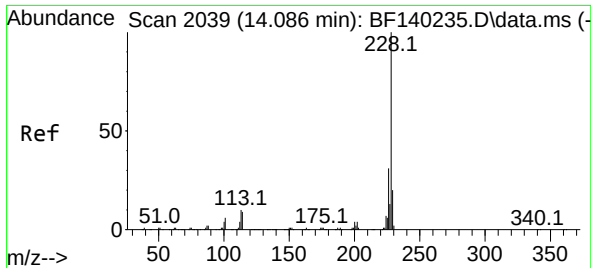


#81
 Benzo(a)anthracene
 Concen: 16.716 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. -0.012 min
 Lab File: BF140278.D
 Acq: 07 Nov 2024 16:39



Tgt Ion:228 Resp: 279282
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.3 33.5
 229 21.6 16.1 24.1





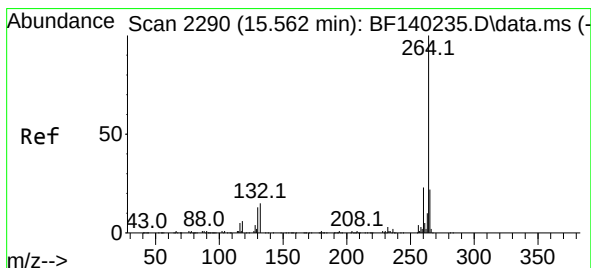
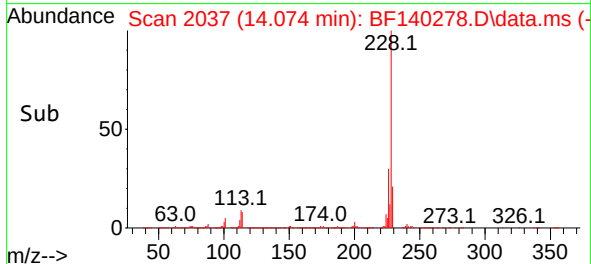
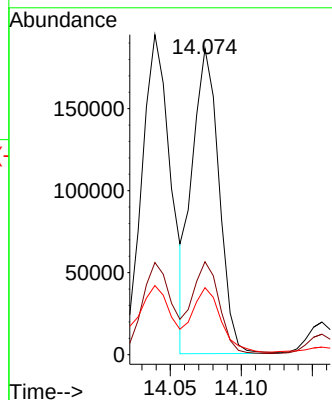
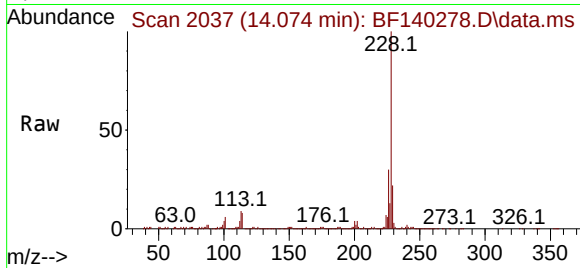
#83
Chrysene
Concen: 15.613 ng
RT: 14.074 min Scan# 2039
Delta R.T. -0.012 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

Instrument :
BNA_F
ClientSampleId :
Z-04

Tgt Ion:228 Resp: 244284
Ion Ratio Lower Upper
228 100
226 30.4 24.6 36.8
229 21.9 16.1 24.1

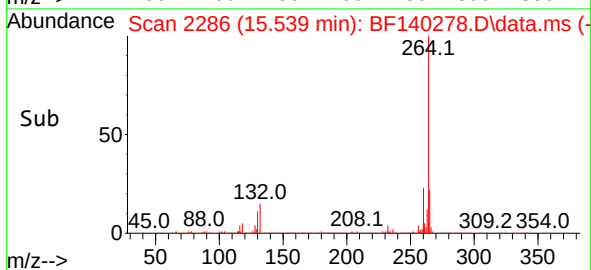
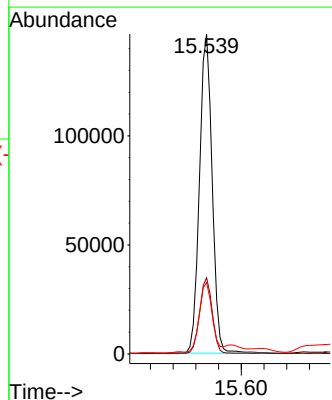
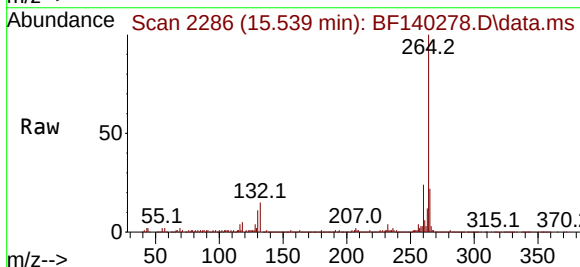
Manual Integrations
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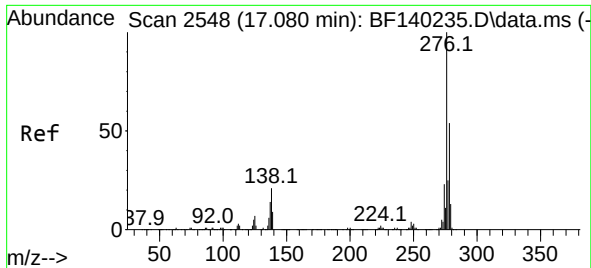
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.023 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

Tgt Ion:264 Resp: 227502
Ion Ratio Lower Upper
264 100
260 23.8 18.8 28.2
265 22.3 17.3 25.9





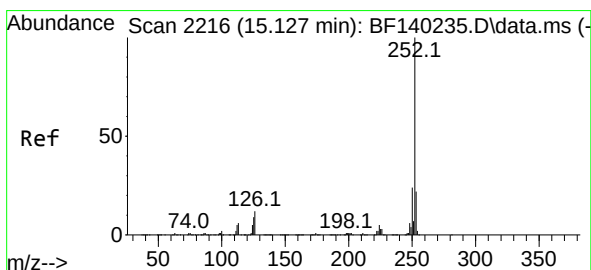
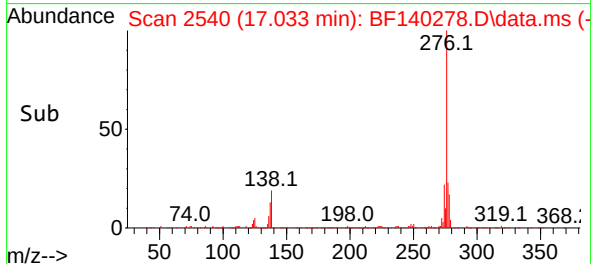
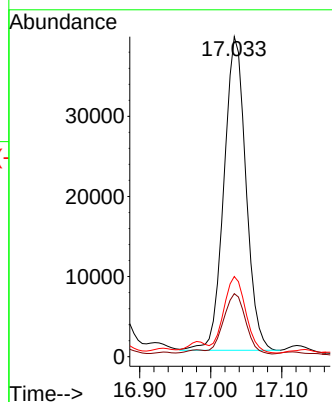
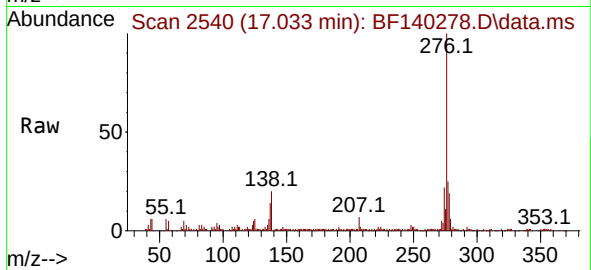
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.295 ng
RT: 17.033 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

Instrument :
BNA_F
ClientSampleId :
Z-04

Tgt Ion:276 Resp: 84059
Ion Ratio Lower Upper
276 100
138 19.4 17.6 26.4
277 24.5 20.2 30.2

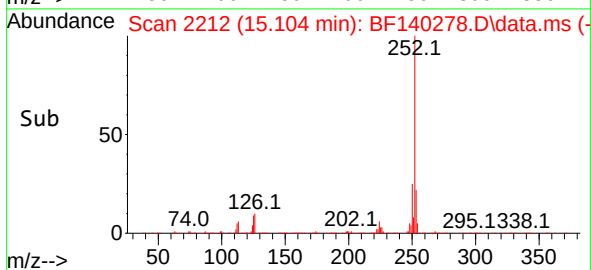
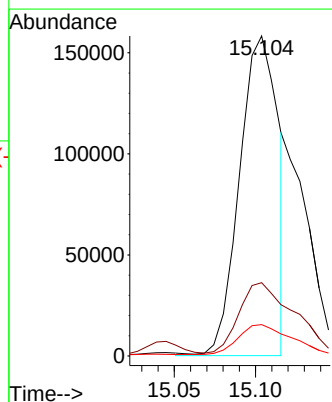
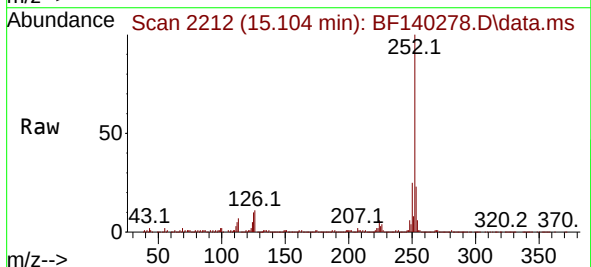
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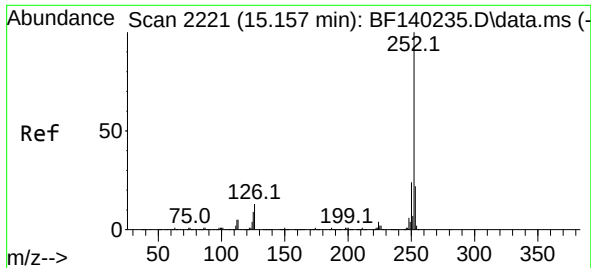
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#88
Benzo(b)fluoranthene
Concen: 19.081 ng m
RT: 15.104 min Scan# 2212
Delta R.T. -0.023 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

Tgt Ion:252 Resp: 262577
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 9.8 7.0 10.6





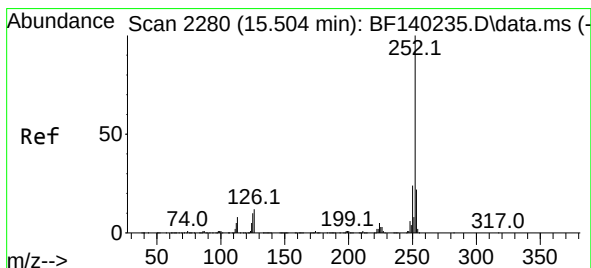
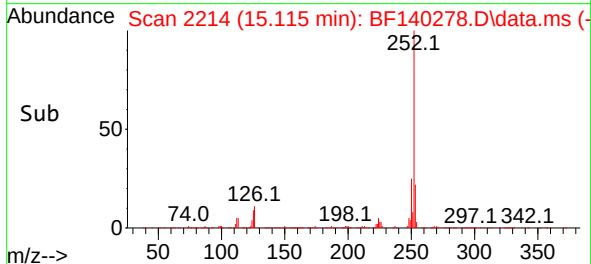
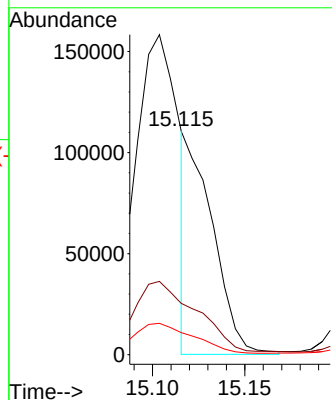
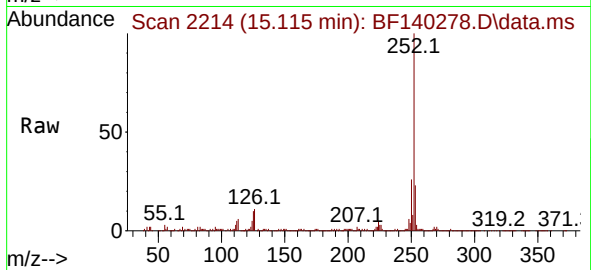
#89
Benzo(k)fluoranthene
Concen: 8.434 ng m
RT: 15.115 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

Instrument :
BNA_F
ClientSampleId :
Z-04

Tgt Ion:252 Resp: 106504
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 9.9 7.2 10.8

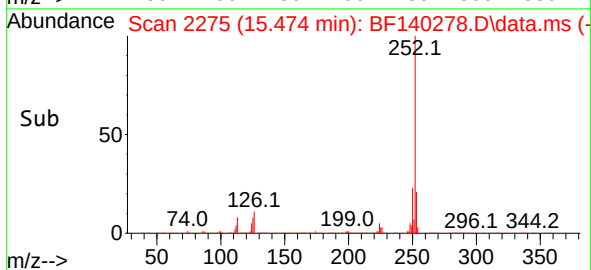
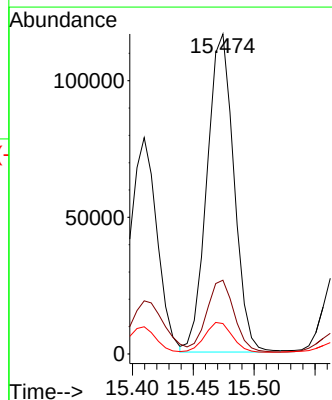
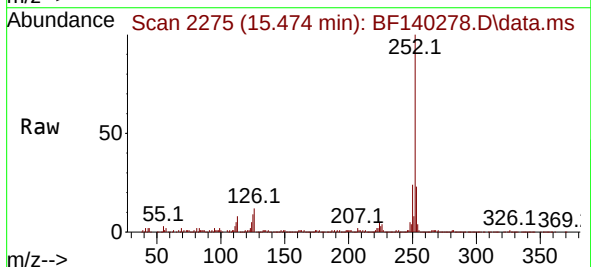
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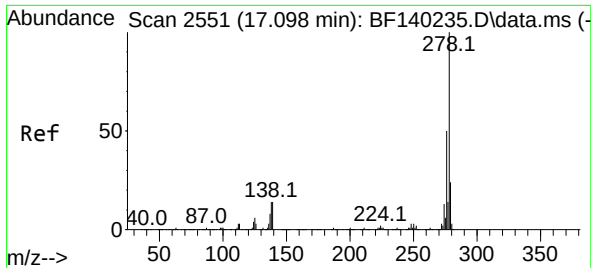
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#90
Benzo(a)pyrene
Concen: 15.843 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.029 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

Tgt Ion:252 Resp: 179747
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 9.5 7.6 11.4





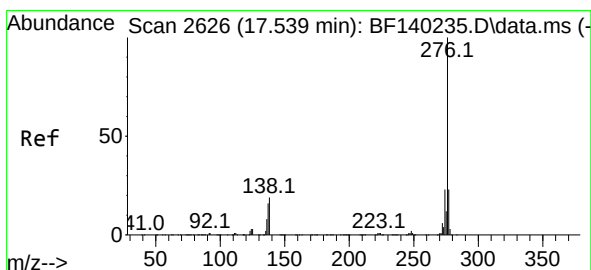
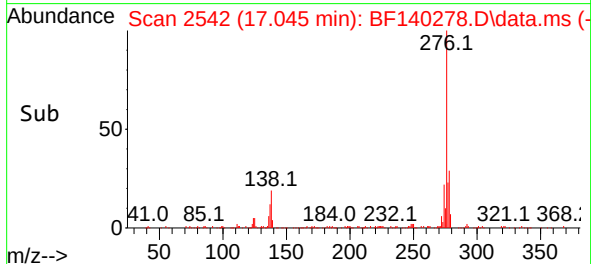
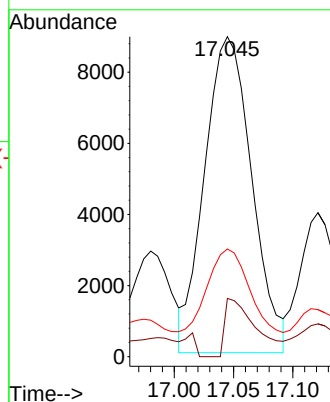
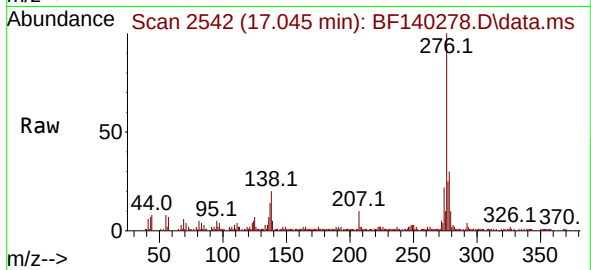
#91
Dibenzo(a,h)anthracene
Concen: 2.246 ng m
RT: 17.045 min Scan# 21
Delta R.T. -0.053 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

Instrument :
BNA_F
ClientSampleId :
Z-04

Tgt Ion:278 Resp: 2467
Ion Ratio Lower Upper
278 100
139 18.2 11.1 16.7
279 33.6 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#92
Benzo(g,h,i)perylene
Concen: 6.998 ng
RT: 17.492 min Scan# 2618
Delta R.T. -0.047 min
Lab File: BF140278.D
Acq: 07 Nov 2024 16:39

Tgt Ion:276 Resp: 78431
Ion Ratio Lower Upper
276 100
277 24.0 18.8 28.2
138 17.8 15.3 22.9

