

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140292.D
 Acq On : 08 Nov 2024 12:21
 Operator : RC/JU
 Sample : P4694-05RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-04RE

Manual Integrations
 APPROVED

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

Quant Time: Nov 08 12:48:10 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	117884	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	441931	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	259086	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	451797	20.000	ng	0.00
76) Chrysene-d12	14.051	240	246243	20.000	ng	-0.01
86) Perylene-d12	15.551	264	291932	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	818323	115.040	ng	0.00
7) Phenol-d6	6.498	99	1031692	112.758	ng	0.00
23) Nitrobenzene-d5	7.434	82	679842	76.484	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	311159	121.502	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1211548	74.670	ng	0.00
79) Terphenyl-d14	12.992	244	1096121	72.919	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.463	166	35836	2.275	ng	99
71) Phenanthrene	11.427	178	498873	23.137	ng	98
72) Anthracene	11.480	178	109328	5.171	ng	99
73) Carbazole	11.633	167	54042	2.797	ng	99
75) Fluoranthene	12.621	202	674416	29.914	ng	99
78) Pyrene	12.851	202	572165	28.142	ng	98
81) Benzo(a)anthracene	14.045	228	280515	17.751	ng	99
83) Chrysene	14.080	228	220223	14.881	ng	98
87) Indeno(1,2,3-cd)pyrene	17.051	276	121937	7.116	ng	97
88) Benzo(b)fluoranthene	15.110	252	302561m	17.134	ng	
89) Benzo(k)fluoranthene	15.127	252	110303m	6.807	ng	
90) Benzo(a)pyrene	15.486	252	224974	15.453	ng	97
91) Dibenzo(a,h)anthracene	17.062	278	32276	2.289	ng	# 85
92) Benzo(g,h,i)perylene	17.509	276	107054	7.444	ng	99

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

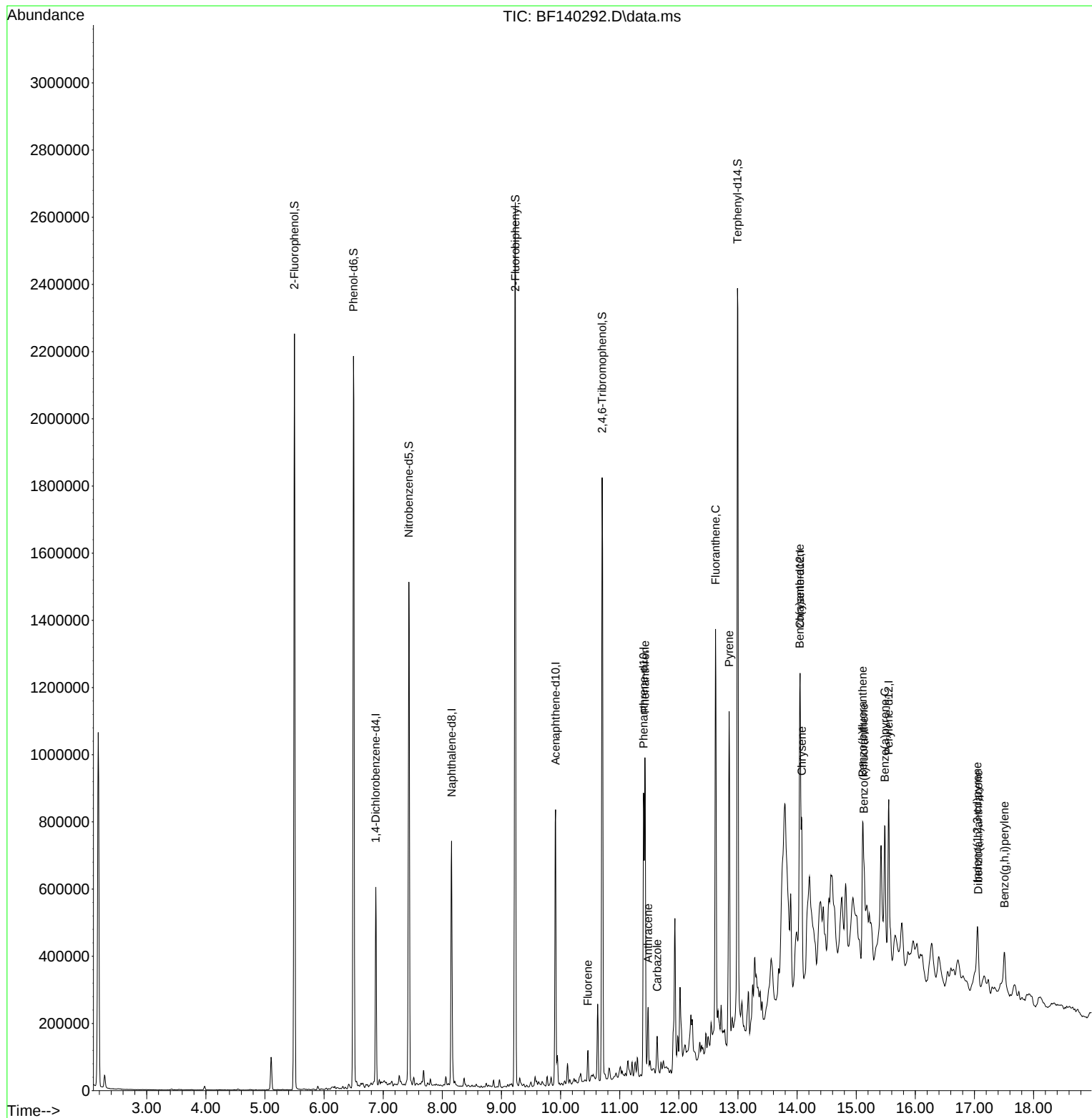
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
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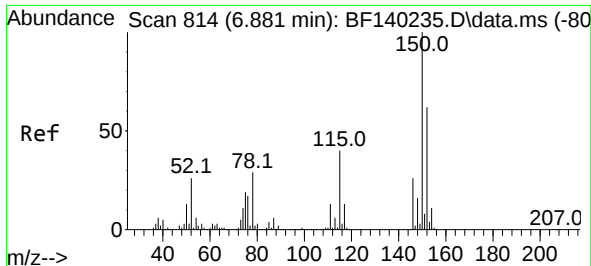
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Quant Time: Nov 08 12:48:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
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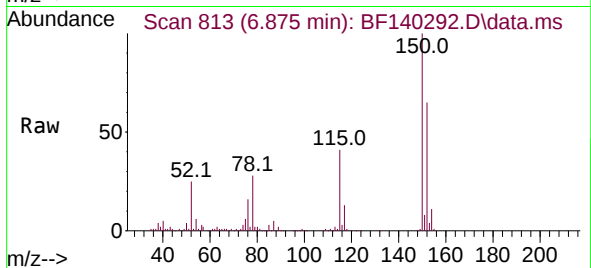
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

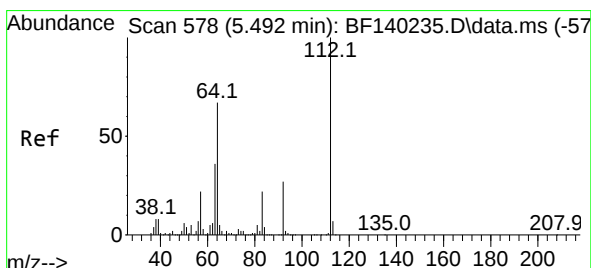
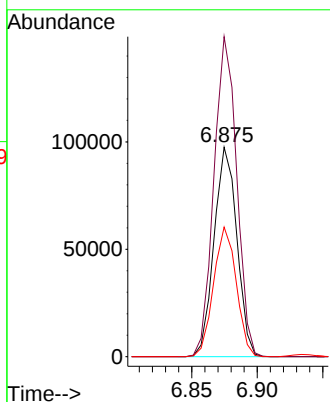
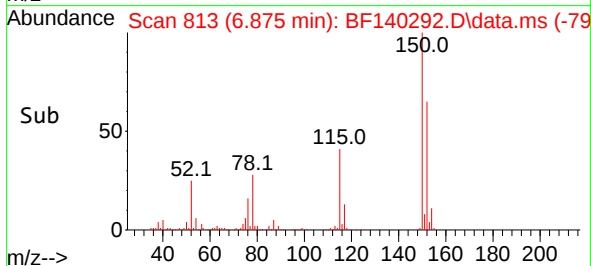
Instrument :
BNA_F
ClientSampleId :
Z-04RE



Tgt Ion:152 Resp: 117884
Ion Ratio Lower Upper
152 100
150 152.8 129.4 194.2
115 61.9 51.5 77.3

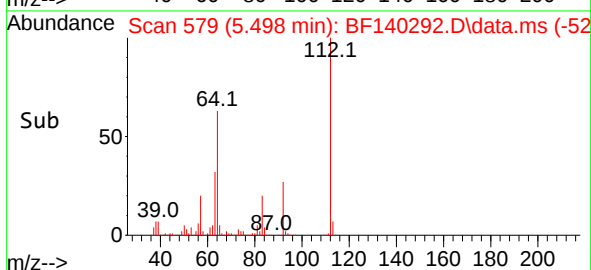
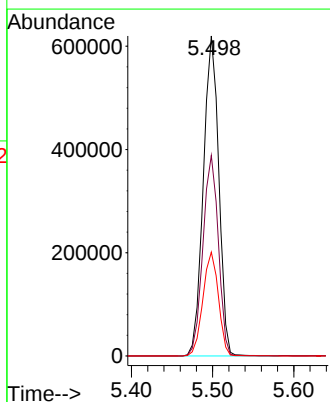
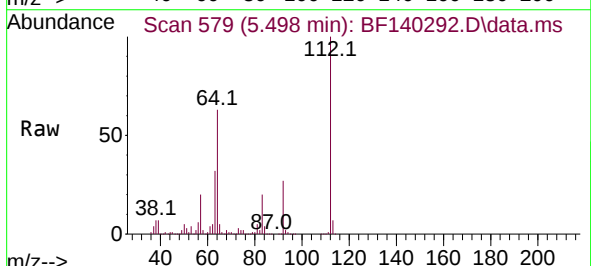
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#5
2-Fluorophenol
Concen: 115.040 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

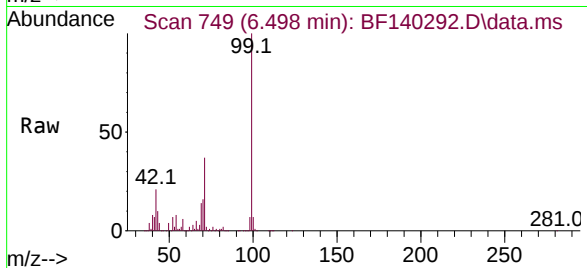
Tgt Ion:112 Resp: 818323
Ion Ratio Lower Upper
112 100
64 62.6 53.4 80.2
63 32.4 28.9 43.3





#7
Phenol-d6
Concen: 112.758 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

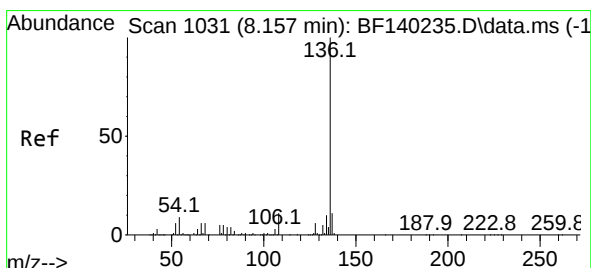
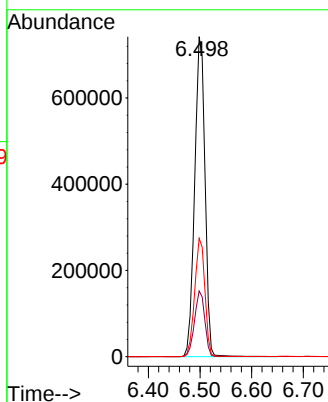
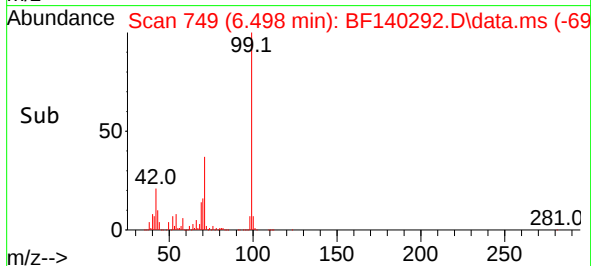
Instrument :
BNA_F
ClientSampleId :
Z-04RE



Tgt Ion: 99 Resp: 103169
Ion Ratio Lower Upper
99 100
42 20.5 18.2 27.2
71 37.0 30.9 46.3

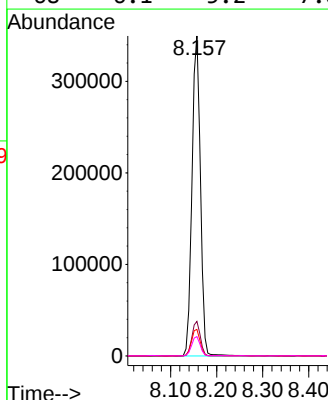
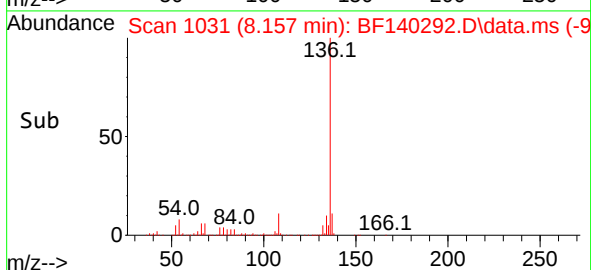
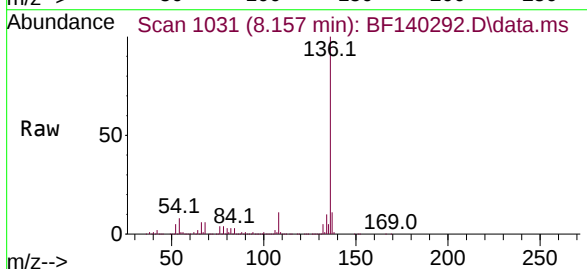
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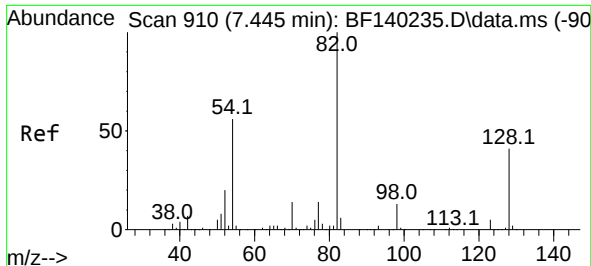
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Tgt Ion:136 Resp: 441931
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 8.3 7.7 11.5
68 6.1 5.2 7.8





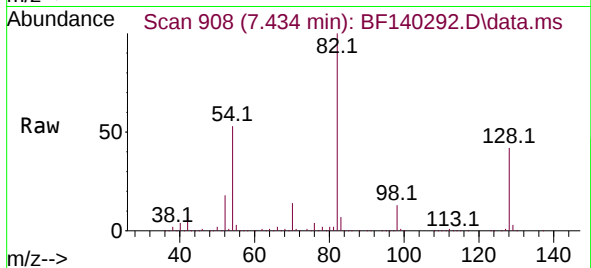
#23
Nitrobenzene-d5
Concen: 76.484 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Instrument :

BNA_F

ClientSampleId :

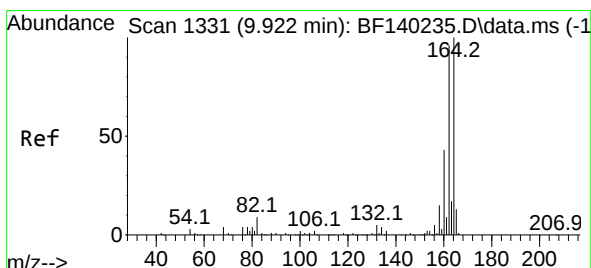
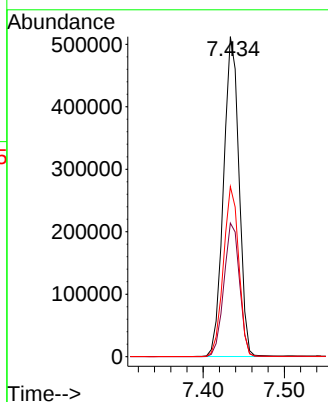
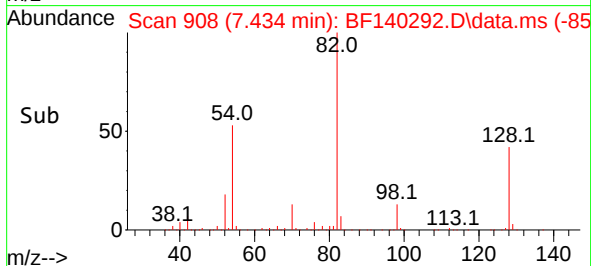
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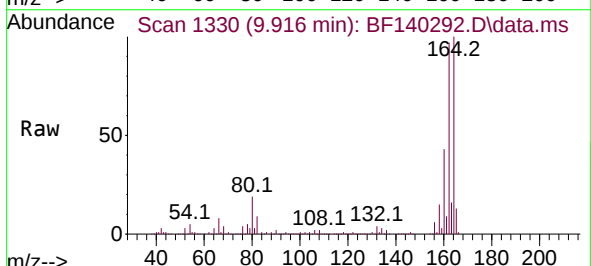
Tgt Ion: 82 Resp: 67984
Ion Ratio Lower Upper
82 100
128 41.7 32.8 49.2
54 53.2 44.3 66.5

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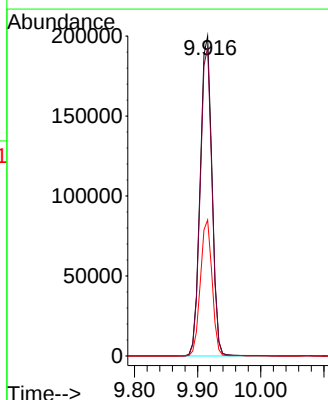
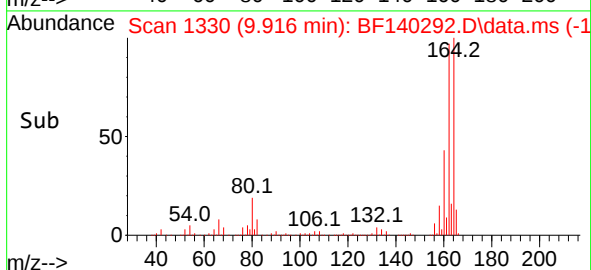
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

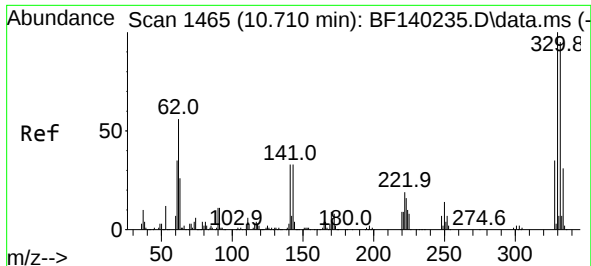


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21



Tgt Ion:164 Resp: 259086
Ion Ratio Lower Upper
164 100
162 96.5 77.0 115.4
160 42.5 34.1 51.1





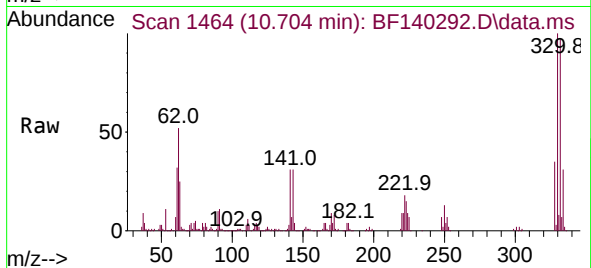
#42
2,4,6-Tribromophenol
Concen: 121.502 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Instrument :

BNA_F

ClientSampleId :

Z-04RE



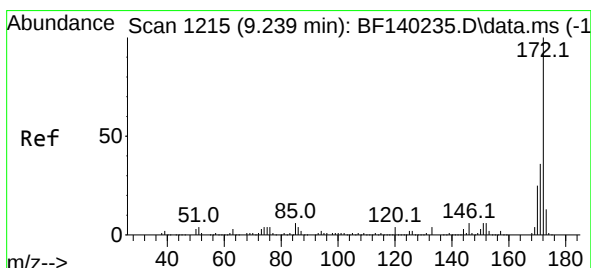
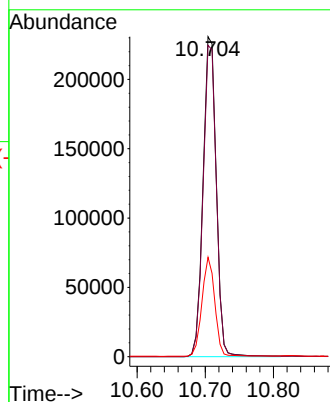
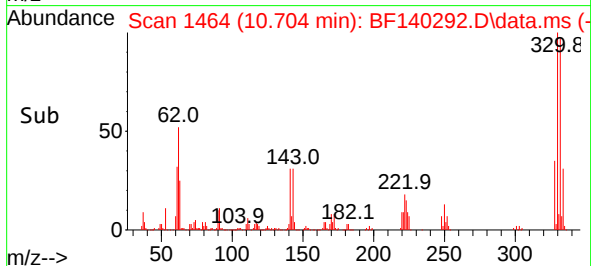
Tgt Ion: 330 Resp: 311158
Ion Ratio Lower Upper
330 100
332 97.5 76.4 114.6
141 30.0 27.0 40.4

Manual Integrations

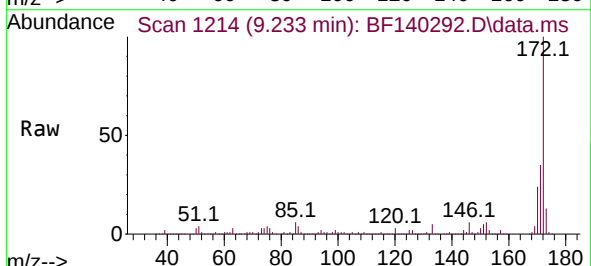
APPROVED

Reviewed By : Yogesh Patel 11/10/2024

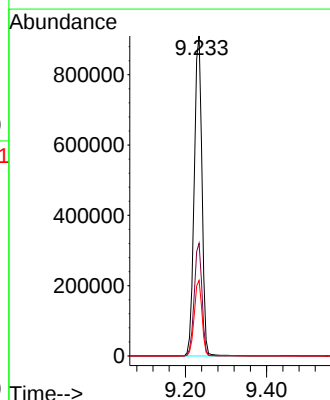
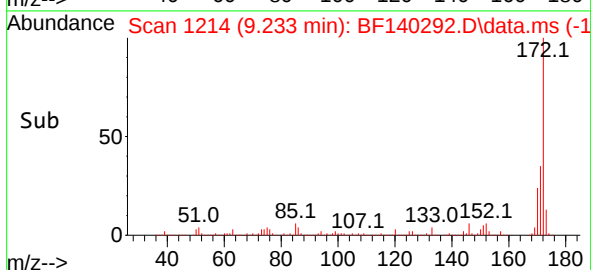
Supervised By : mohammad ahmed 11/11/2024

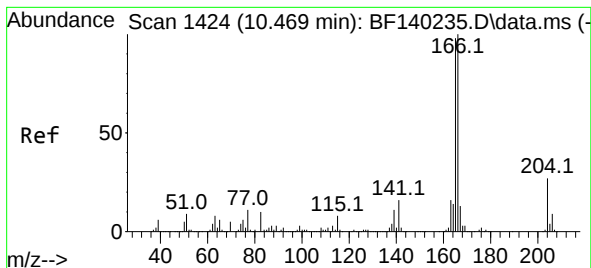


#45
2-Fluorobiphenyl
Concen: 74.670 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21



Tgt Ion: 172 Resp: 1211548
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.6 19.6 29.4





#58

Fluorene

Concen: 2.275 ng

RT: 10.463 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF140292.D

Acq: 08 Nov 2024 12:21

Instrument :

BNA_F

ClientSampleId :

Z-04RE

Tgt Ion:166 Resp: 35830

Ion Ratio Lower Upper

166 100

165 99.4 78.7 118.1

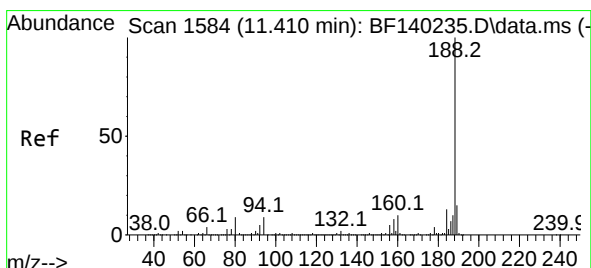
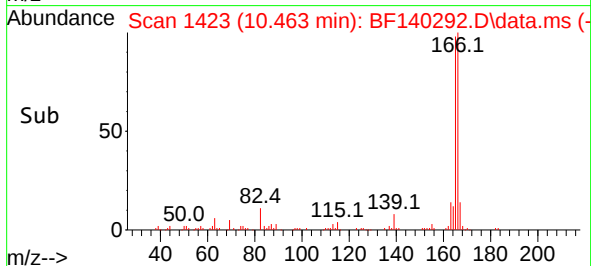
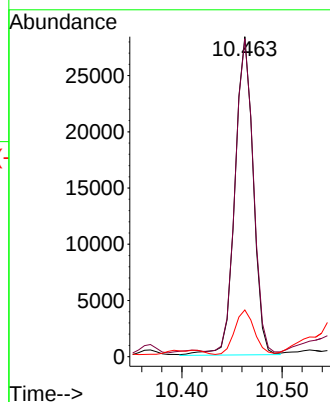
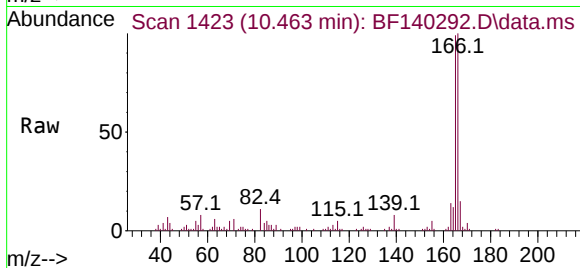
167 14.6 10.8 16.2

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: BF140292.D

Acq: 08 Nov 2024 12:21

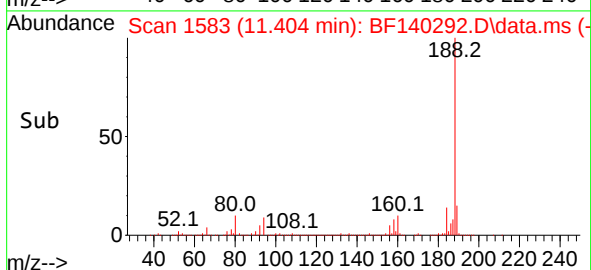
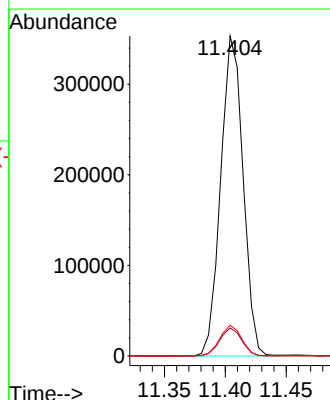
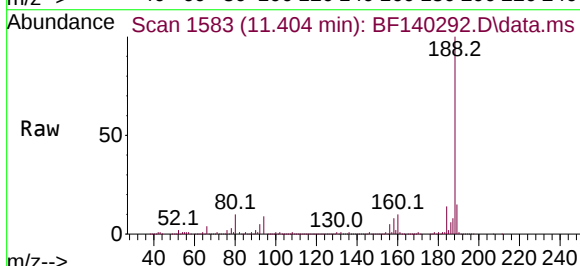
Tgt Ion:188 Resp: 451797

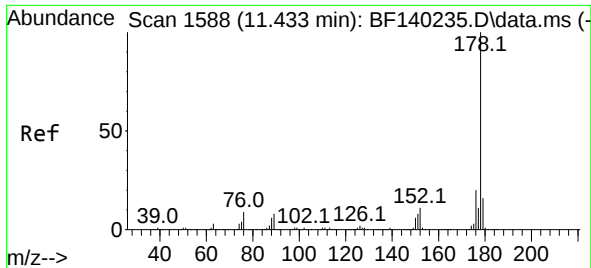
Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

80 9.6 7.5 11.3





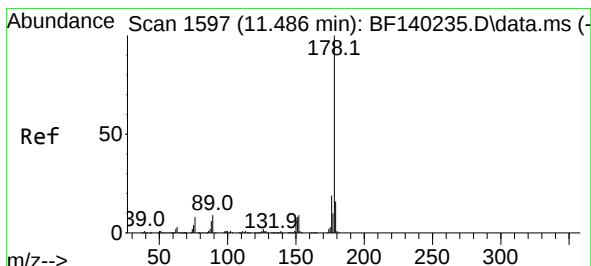
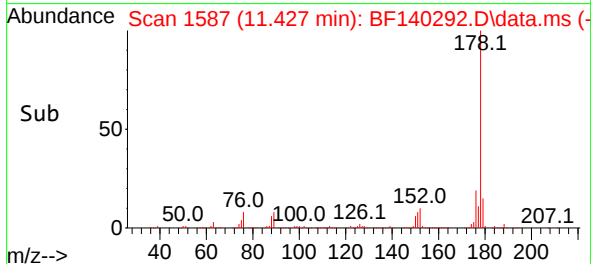
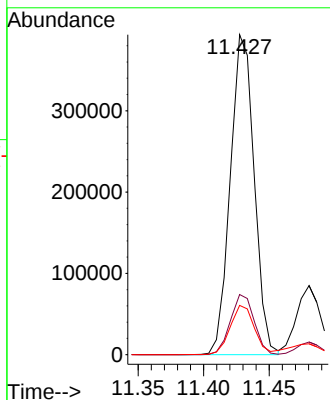
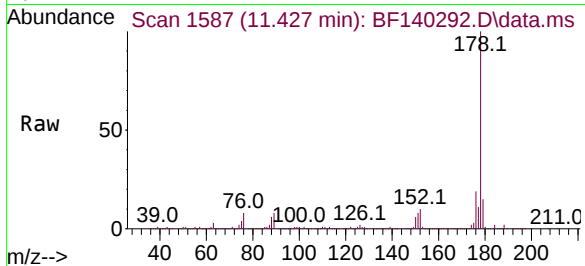
#71
Phenanthrene
Concen: 23.137 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Instrument :
BNA_F
ClientSampleId :
Z-04RE

Tgt Ion:178 Resp: 49887
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.4 12.6 18.8

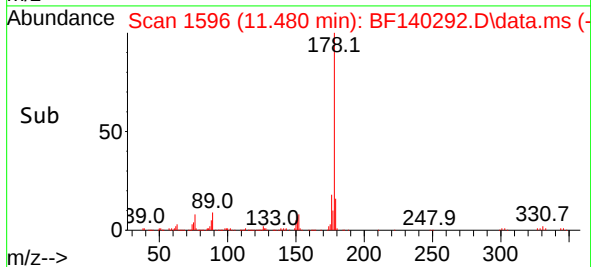
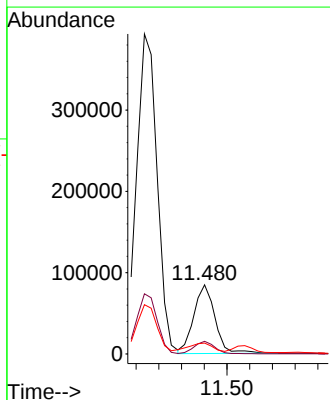
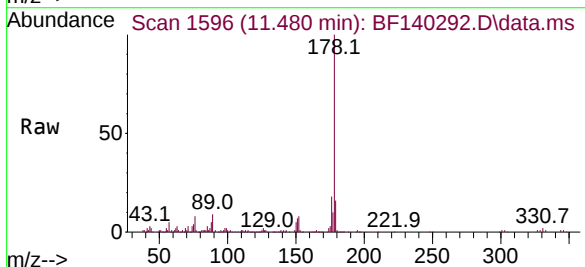
Manual Integrations
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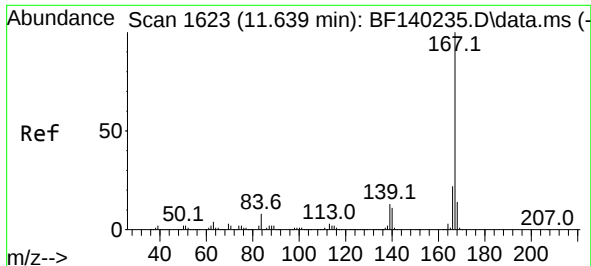
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#72
Anthracene
Concen: 5.171 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

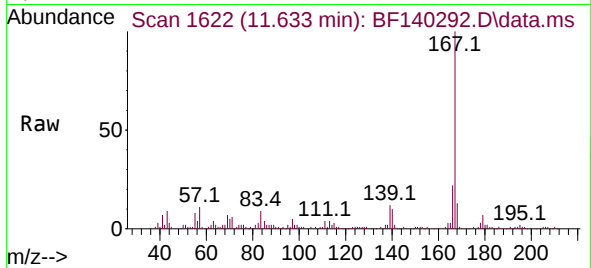
Tgt Ion:178 Resp: 109328
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.7 12.7 19.1





#73
 Carbazole
 Concen: 2.797 ng
 RT: 11.633 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140292.D
 Acq: 08 Nov 2024 12:21

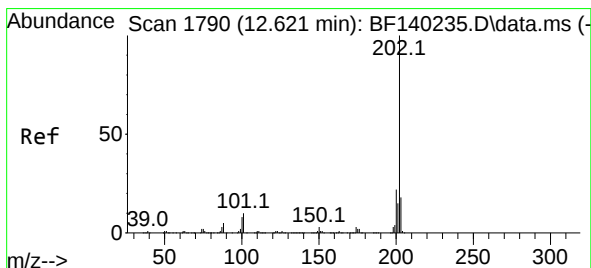
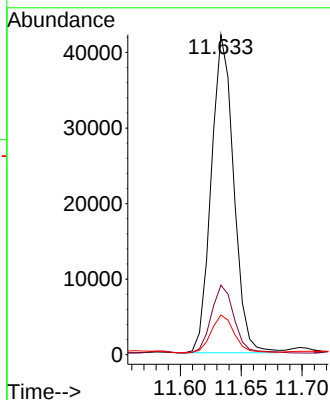
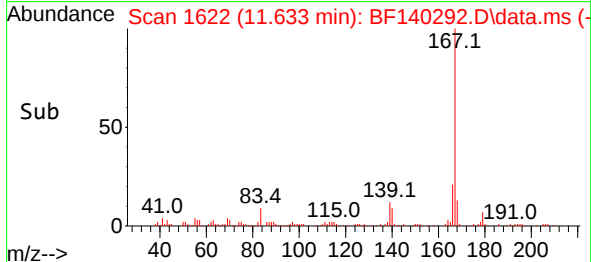
Instrument :
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Tgt Ion:167 Resp: 5404
 Ion Ratio Lower Upper
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 166 21.7 17.3 25.9
 139 12.4 10.7 16.1

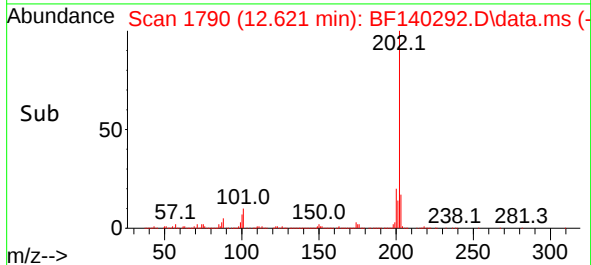
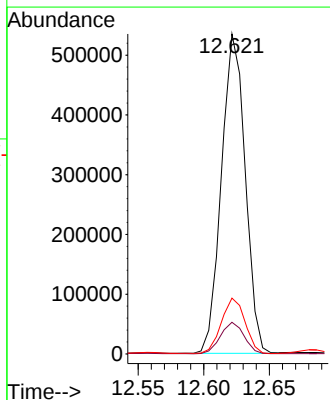
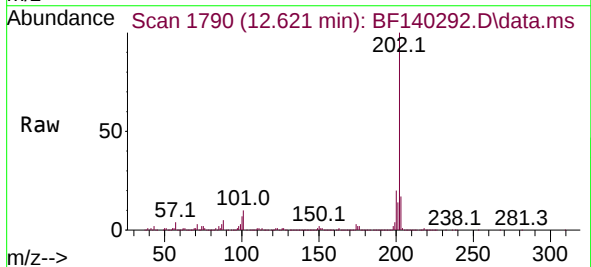
Manual Integrations
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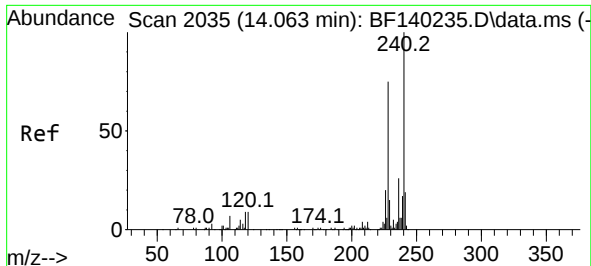
Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024



#75
 Fluoranthene
 Concen: 29.914 ng
 RT: 12.621 min Scan# 1790
 Delta R.T. -0.000 min
 Lab File: BF140292.D
 Acq: 08 Nov 2024 12:21

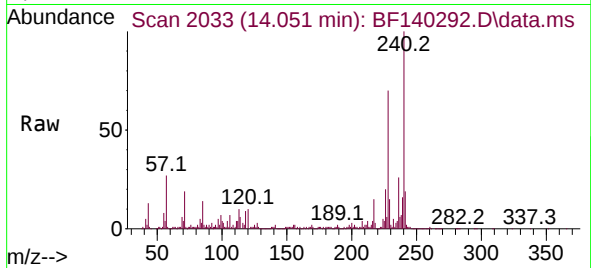
Tgt Ion:202 Resp: 674416
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.4
 203 17.4 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

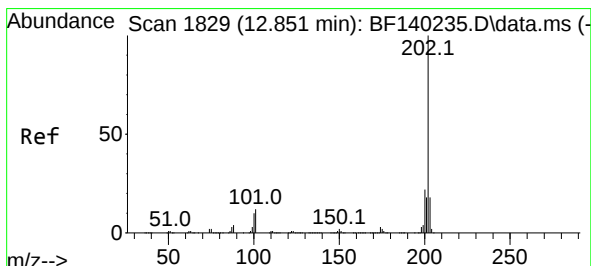
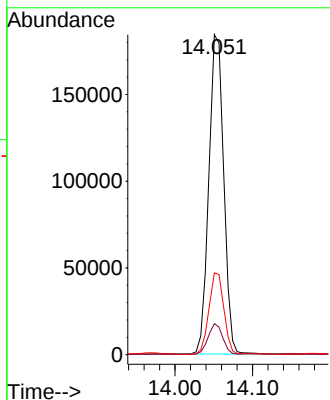
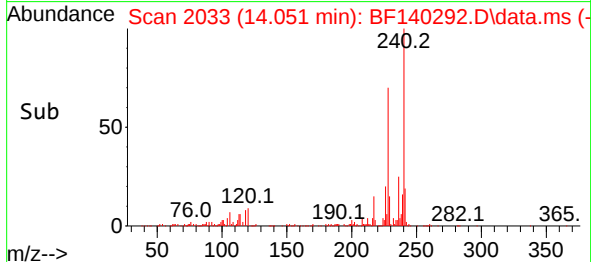
Instrument :
BNA_F
ClientSampleId :
Z-04RE



Tgt Ion:240 Resp: 24624
Ion Ratio Lower Upper
240 100
120 9.7 7.5 11.3
236 25.5 20.9 31.3

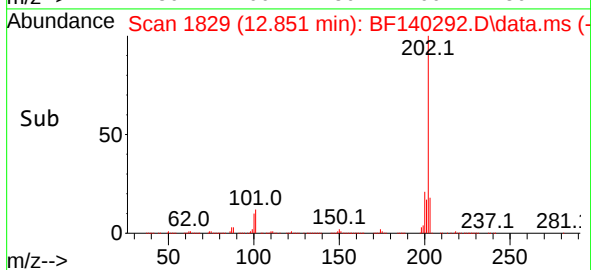
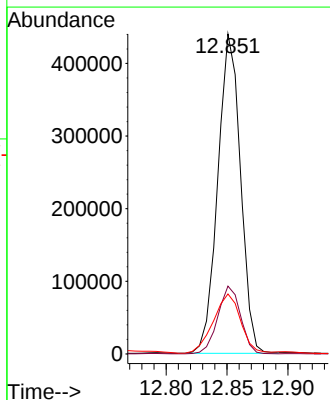
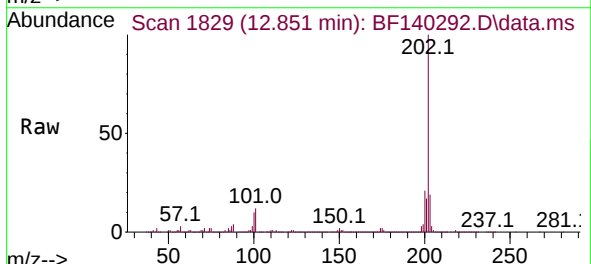
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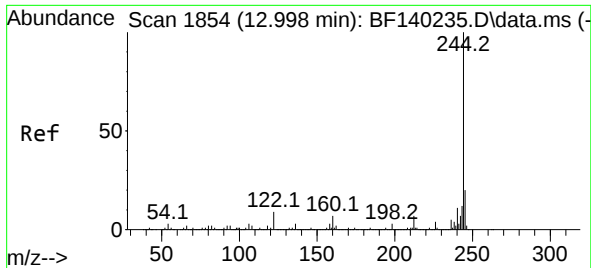
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#78
Pyrene
Concen: 28.142 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

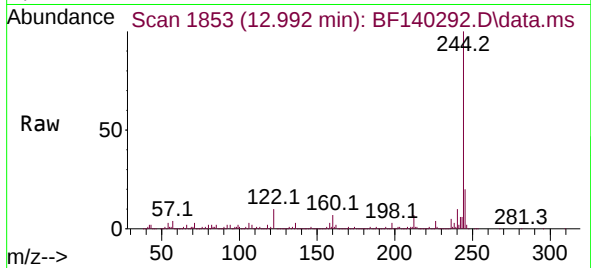
Tgt Ion:202 Resp: 572165
Ion Ratio Lower Upper
202 100
200 21.2 17.5 26.3
203 18.8 14.4 21.6





#79
 Terphenyl-d14
 Concen: 72.919 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF140292.D
 Acq: 08 Nov 2024 12:21

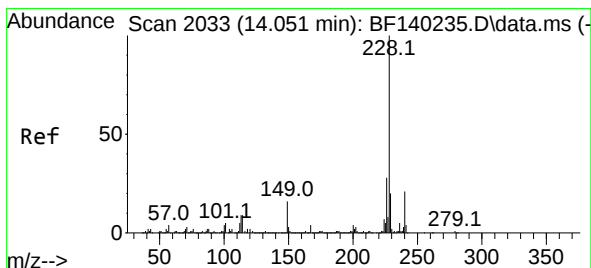
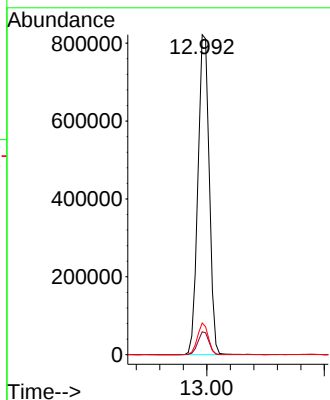
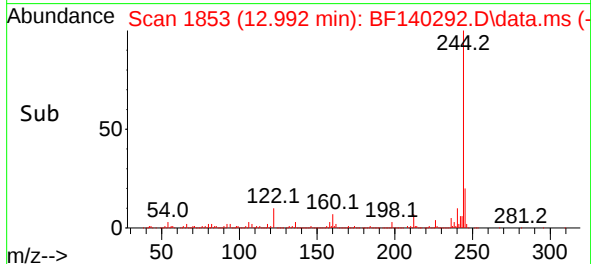
Instrument :
 BNA_F
 ClientSampleId :
 Z-04RE



Tgt Ion:244 Resp: 109612
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.9 7.6 11.4

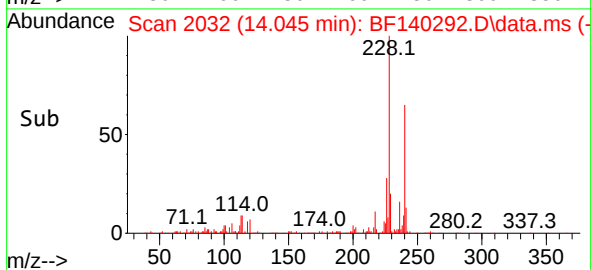
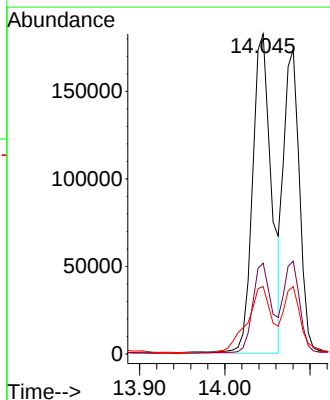
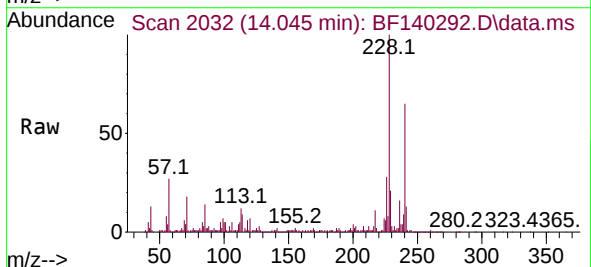
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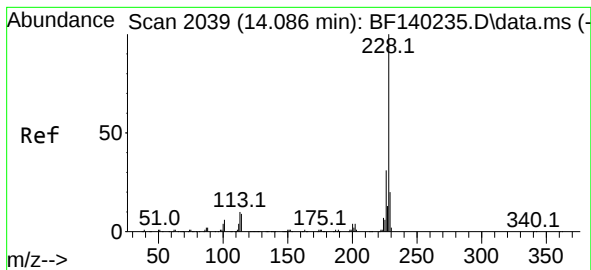
Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024



#81
 Benzo(a)anthracene
 Concen: 17.751 ng
 RT: 14.045 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF140292.D
 Acq: 08 Nov 2024 12:21

Tgt Ion:228 Resp: 280515
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.3 33.5
 229 21.1 16.1 24.1





#83

Chrysene

Concen: 14.881 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF140292.D

Acq: 08 Nov 2024 12:21

Instrument :

BNA_F

ClientSampleId :

Z-04RE

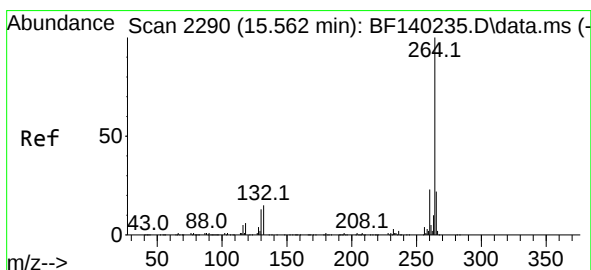
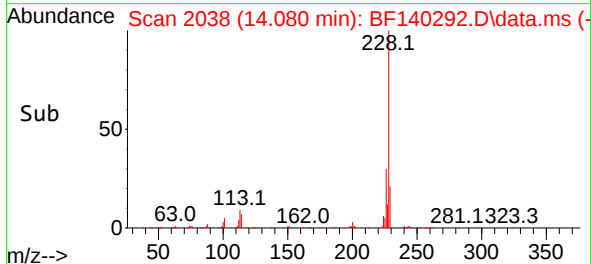
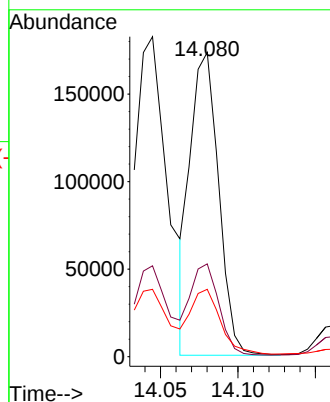
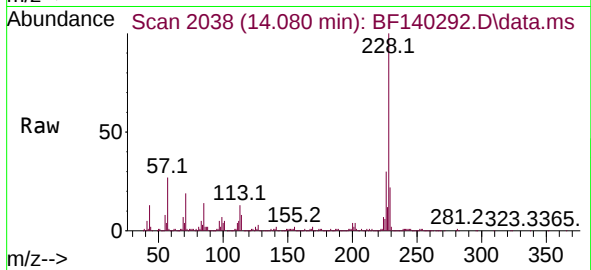
Tgt Ion:228	Resp: 22022
Ion Ratio	Lower Upper
228 100	
226 30.5	24.6 36.8
229 22.2	16.1 24.1

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Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#86

Perylene-d12

Concen: 20.000 ng

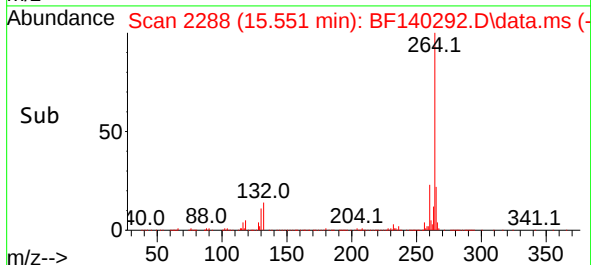
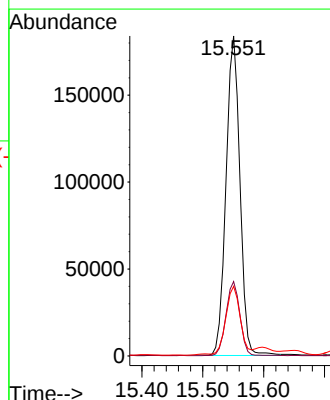
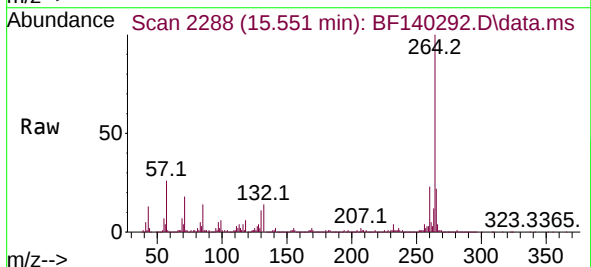
RT: 15.551 min Scan# 2288

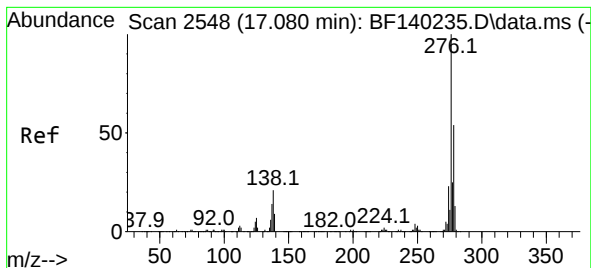
Delta R.T. -0.012 min

Lab File: BF140292.D

Acq: 08 Nov 2024 12:21

Tgt Ion:264	Resp: 291932
Ion Ratio	Lower Upper
264 100	
260 23.3	18.8 28.2
265 21.8	17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.116 ng

RT: 17.051 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140292.D

Acq: 08 Nov 2024 12:21

Instrument :

BNA_F

ClientSampleId :

Z-04RE

Tgt Ion: 276 Resp: 12193

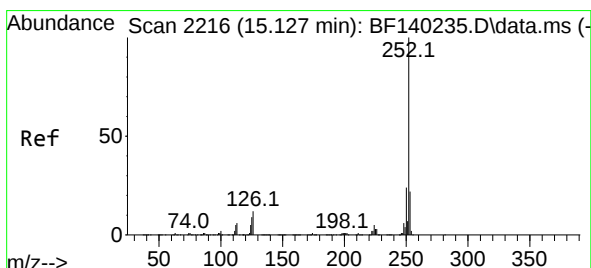
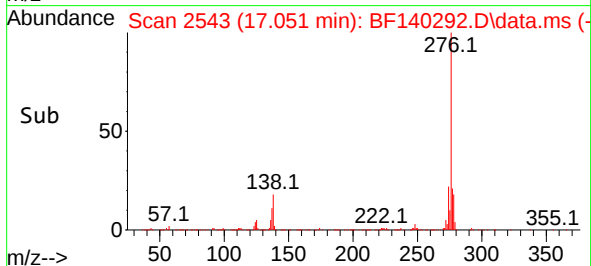
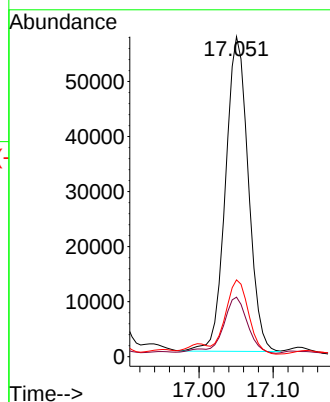
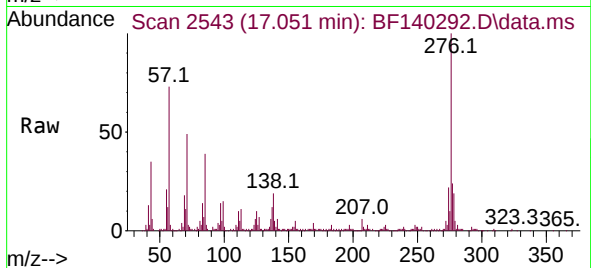
Ion	Ratio	Lower	Upper
276	100		
138	20.0	17.6	26.4
277	23.8	20.2	30.2

Manual Integrations

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Reviewed By : Yogesh Patel 11/10/2024

Supervised By : mohammad ahmed 11/11/2024



#88

Benzo(b)fluoranthene

Concen: 17.134 ng m

RT: 15.110 min Scan# 2213

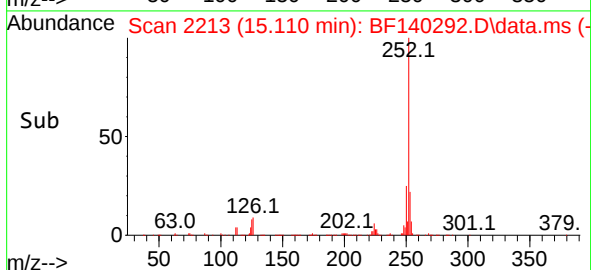
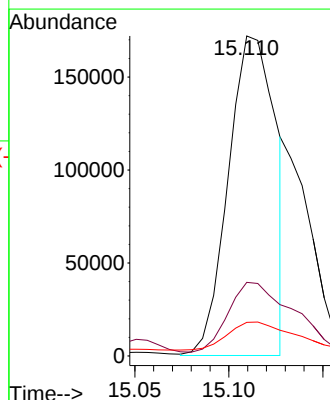
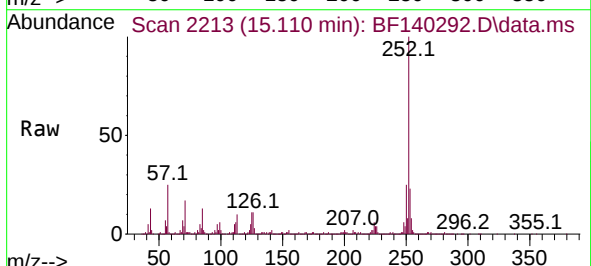
Delta R.T. -0.018 min

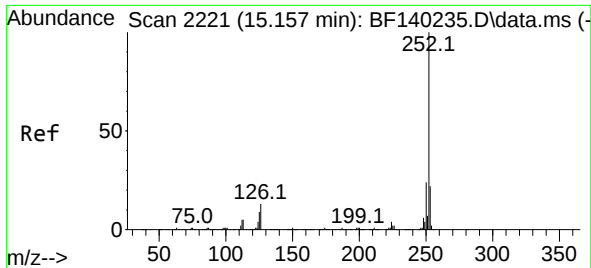
Lab File: BF140292.D

Acq: 08 Nov 2024 12:21

Tgt Ion: 252 Resp: 302561

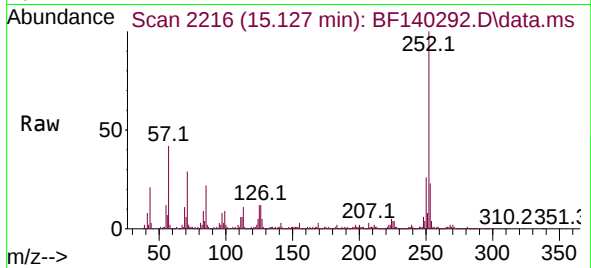
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	10.5	7.0	10.6





#89
Benzo(k)fluoranthene
Concen: 6.807 ng m
RT: 15.127 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

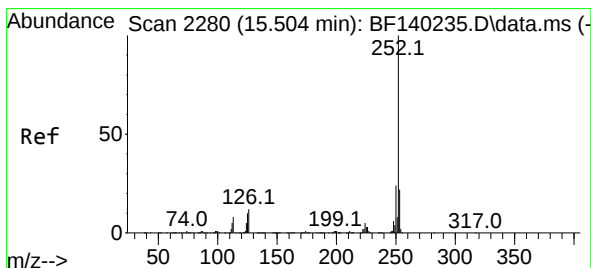
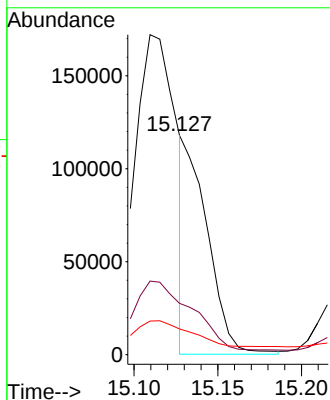
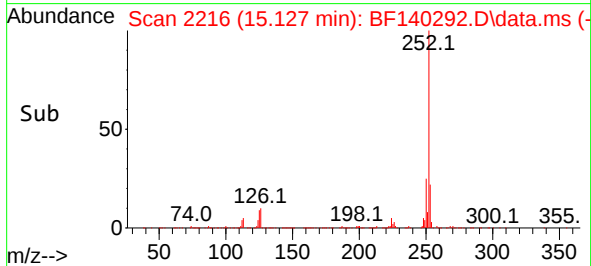
Instrument :
BNA_F
ClientSampleId :
Z-04RE



Tgt Ion:252 Resp: 11030
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 11.7 7.2 10.8

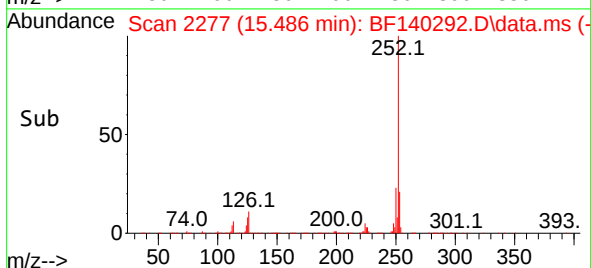
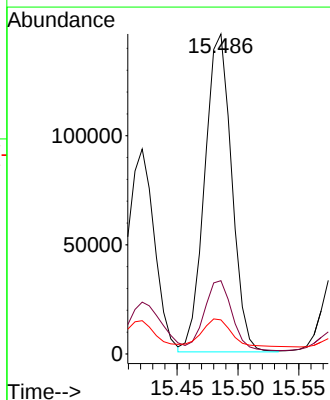
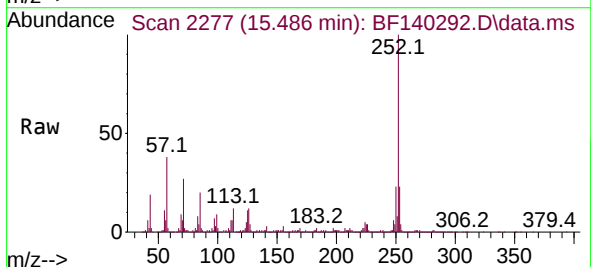
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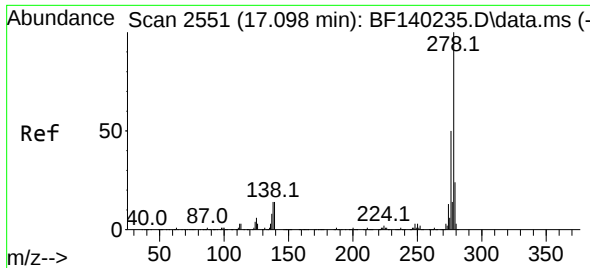
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#90
Benzo(a)pyrene
Concen: 15.453 ng
RT: 15.486 min Scan# 2277
Delta R.T. -0.018 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

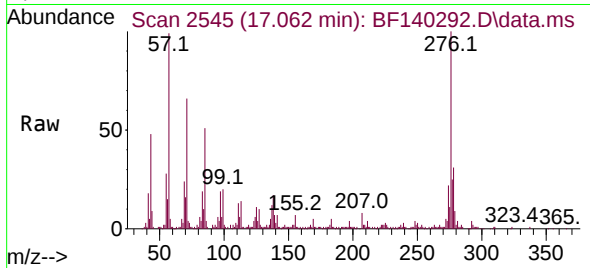
Tgt Ion:252 Resp: 224974
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 10.7 7.6 11.4





#91
Dibenzo(a,h)anthracene
Concen: 2.289 ng
RT: 17.062 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

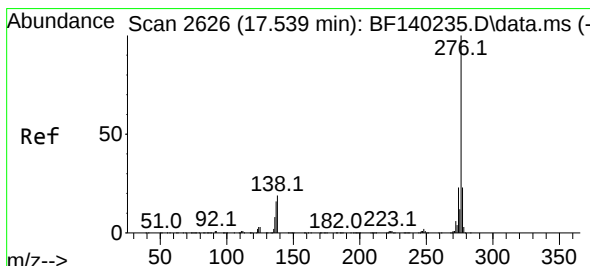
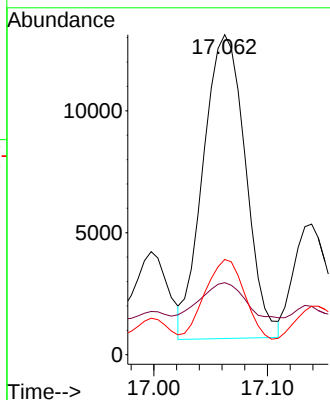
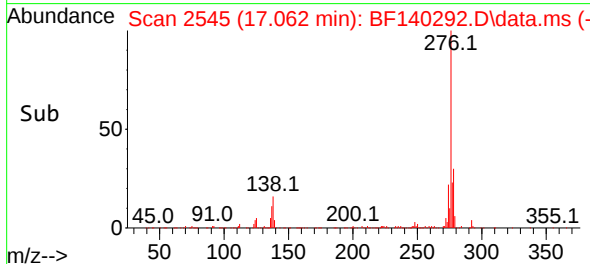
Instrument :
BNA_F
ClientSampleId :
Z-04RE



Tgt Ion:278 Resp: 32270
Ion Ratio Lower Upper
278 100
139 22.5 11.1 16.7
279 29.7 19.1 28.7

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



#92
Benzo(g,h,i)perylene
Concen: 7.444 ng
RT: 17.509 min Scan# 2621
Delta R.T. -0.029 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Tgt Ion:276 Resp: 107054
Ion Ratio Lower Upper
276 100
277 23.0 18.8 28.2
138 18.6 15.3 22.9

