

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100523\
 Data File : BF135601.D
 Acq On : 05 Oct 2023 15:59
 Operator : CG\JU
 Sample : 04700-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/06/2023
 Supervised By :mohammad ahmed 10/07/2023

Quant Time: Oct 05 16:29:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	137430	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	491628	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	183149	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	209487	20.000	ng	# 0.01
76) Chrysene-d12	13.933	240	219825	20.000	ng	0.00
86) Perylene-d12	15.398	264	296564	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	748162	88.543	ng	0.00
7) Phenol-d6	6.386	99	914230	85.090	ng	0.00
23) Nitrobenzene-d5	7.304	82	542682	59.971	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	116032	63.752	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	852759	70.248	ng	0.00
79) Terphenyl-d14	12.868	244	515546	36.356	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.810	154	44574	4.446	ng	96
55) Dibenzofuran	9.986	168	42756	2.795	ng	# 80
58) Fluorene	10.327	166	50535	4.297	ng	# 85
71) Phenanthrene	11.304	178	420028	42.394	ng	96
72) Anthracene	11.357	178	82703m	8.121	ng	
73) Carbazole	11.516	167	53280	5.747	ng	# 67
75) Fluoranthene	12.504	202	547558	53.038	ng	98
78) Pyrene	12.733	202	483620	23.108	ng	99
81) Benzo(a)anthracene	13.927	228	257399	18.133	ng	97
83) Chrysene	13.962	228	248662	17.620	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	193480	9.950	ng	99
88) Benzo(b)fluoranthene	14.974	252	377264m	23.500	ng	
89) Benzo(k)fluoranthene	14.998	252	107881m	6.803	ng	
90) Benzo(a)pyrene	15.339	252	257413	16.814	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	41920m	2.635	ng	
92) Benzo(g,h,i)perylene	17.333	276	181363	10.915	ng	98

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

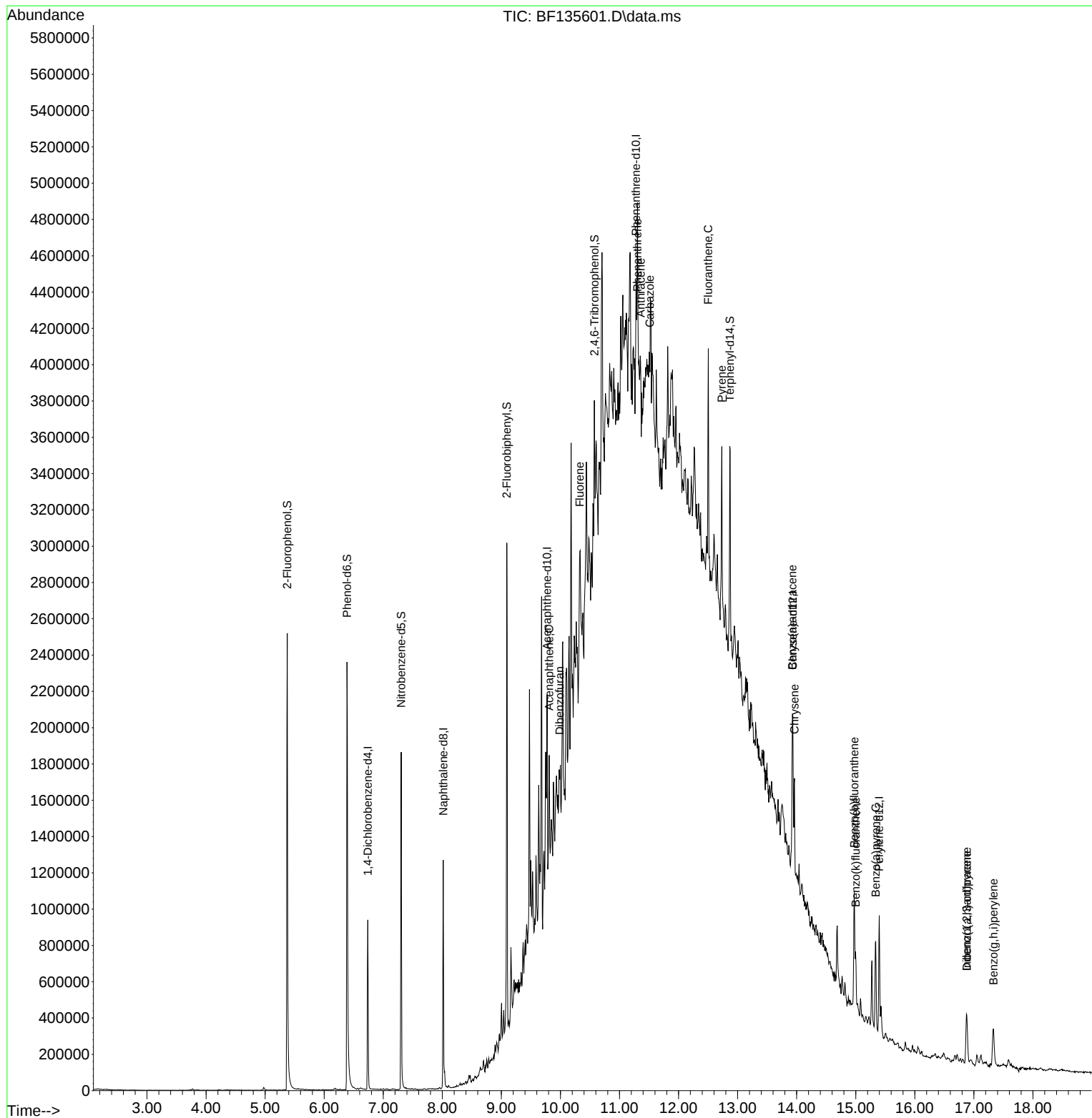
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100523\
Data File : BF135601.D
Acq On : 05 Oct 2023 15:59
Operator : CG\JU
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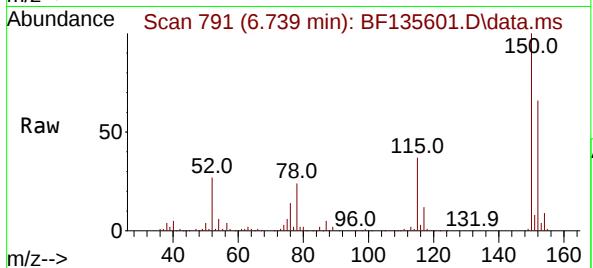
Quant Time: Oct 05 16:29:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

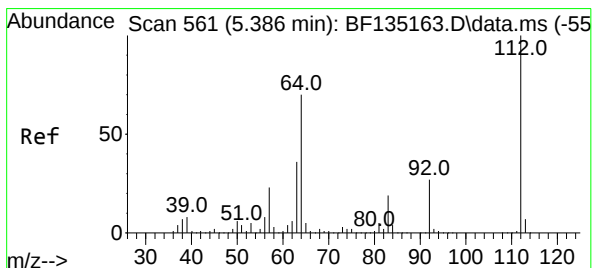
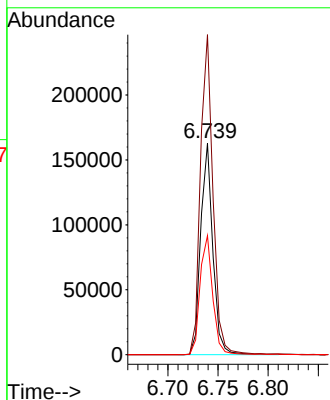
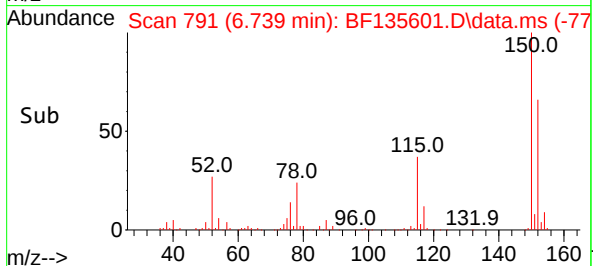
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:152 Resp: 137430
Ion Ratio Lower Upper
152 100
150 151.4 127.8 191.6
115 56.3 49.8 74.8

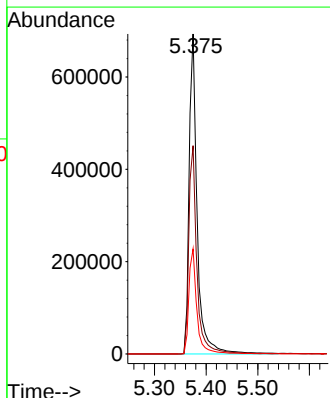
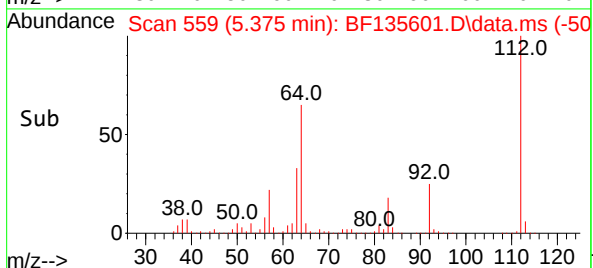
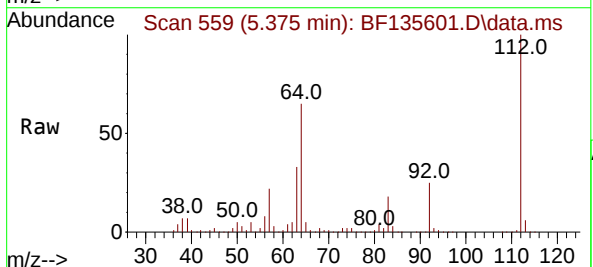
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#5
2-Fluorophenol
Concen: 88.543 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

Tgt Ion:112 Resp: 748162
Ion Ratio Lower Upper
112 100
64 65.1 55.9 83.9
63 32.9 29.0 43.6





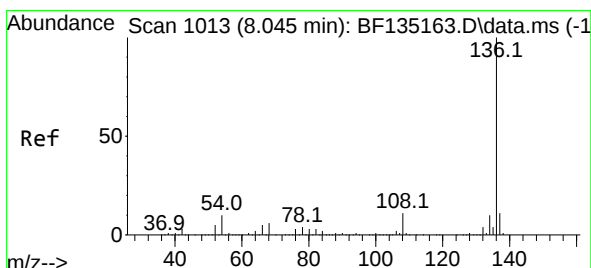
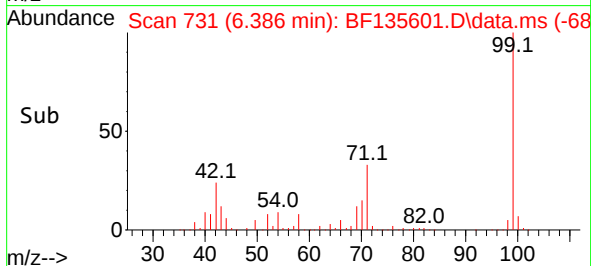
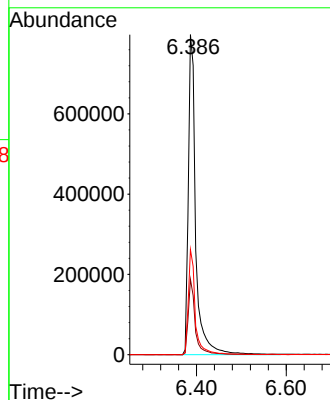
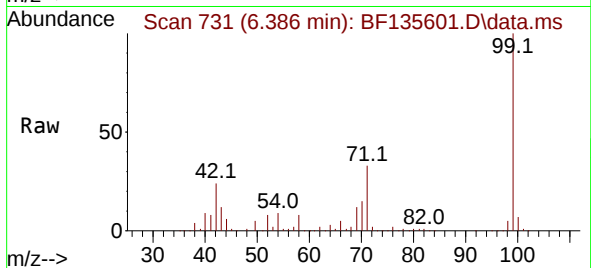
#7
Phenol-d6
Concen: 85.090 ng
RT: 6.386 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 914230
Ion Ratio Lower Upper
99 100
42 23.5 17.9 26.9
71 32.8 27.0 40.6

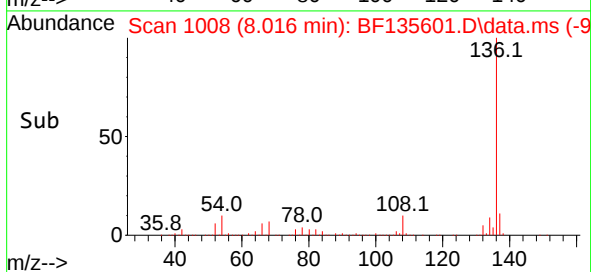
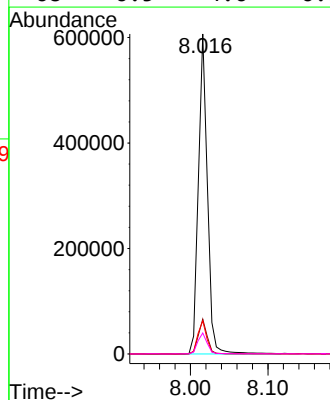
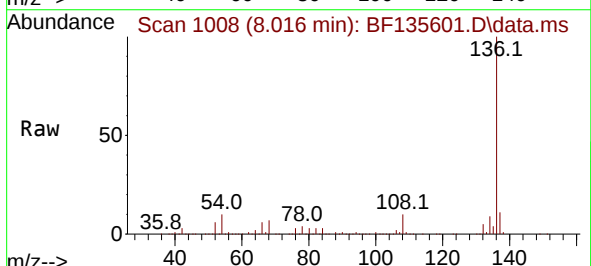
Manual Integrations
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

Tgt Ion:136 Resp: 491628
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.4 7.7 11.5
68 6.5 4.6 6.8





#23

Nitrobenzene-d5

Concen: 59.971 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 82 Resp: 54268

Ion Ratio Lower Upper

82 100

128 44.1 35.8 53.6

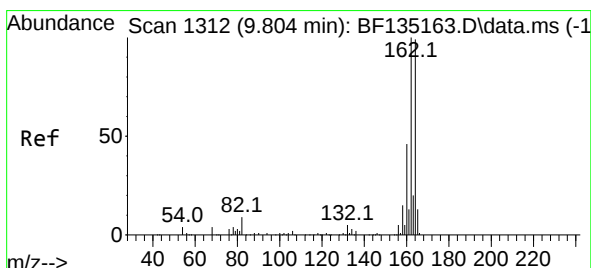
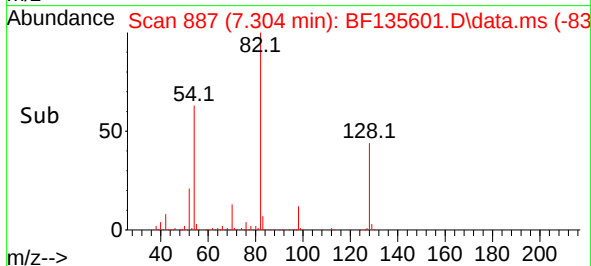
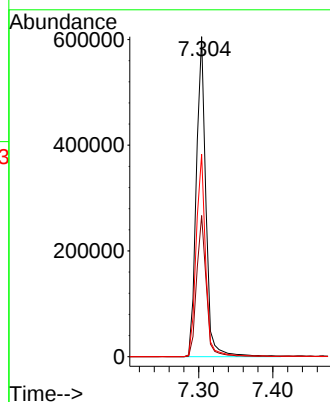
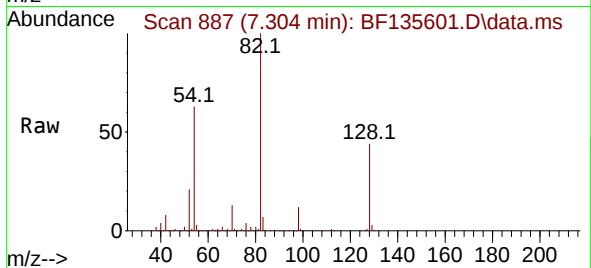
54 63.3 50.6 76.0

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Supervised By :mohammad ahmed 10/07/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.774 min Scan# 1307

Delta R.T. -0.000 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

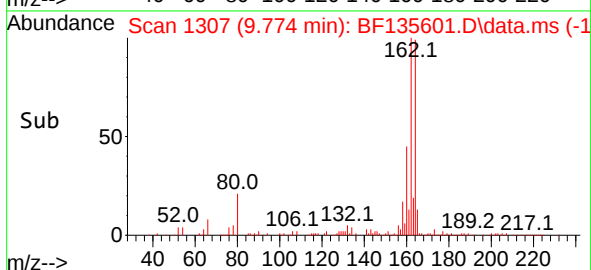
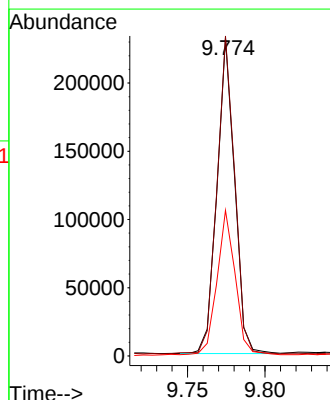
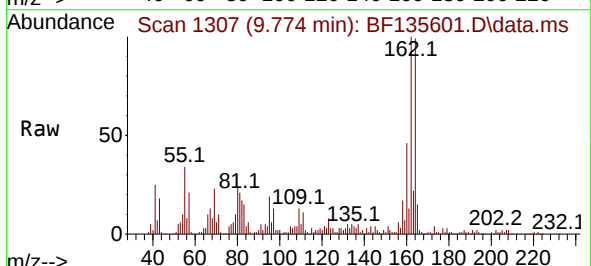
Tgt Ion:164 Resp: 183149

Ion Ratio Lower Upper

164 100

162 100.5 81.0 121.4

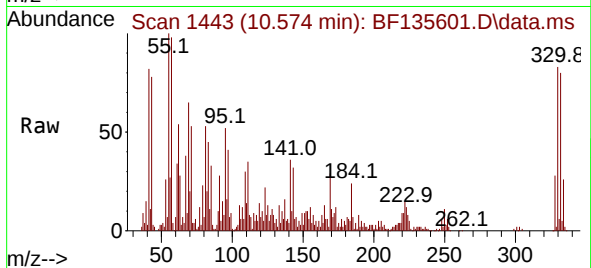
160 45.8 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 63.752 ng
RT: 10.574 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

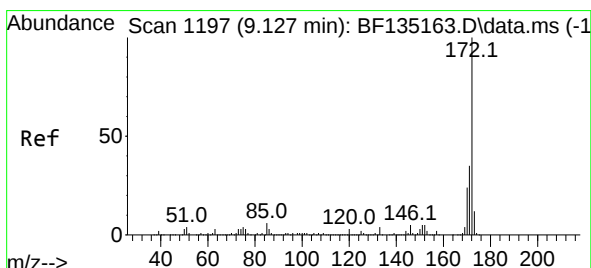
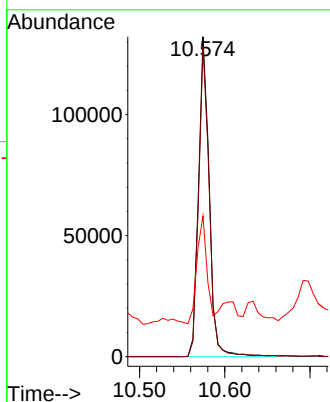
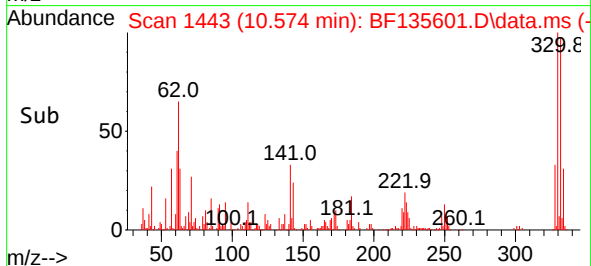
Instrument :
BNA_F
ClientSampleId :
WC-1



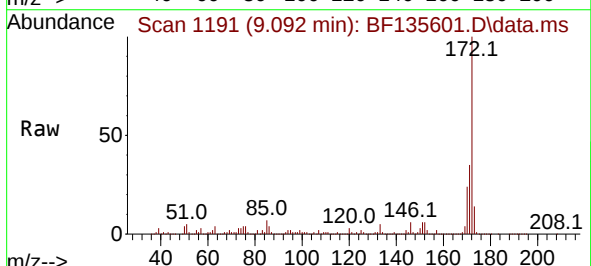
Tgt Ion: 330 Resp: 11603
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 32.6 25.8 38.8

Manual Integrations
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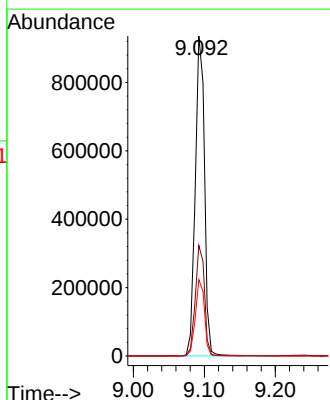
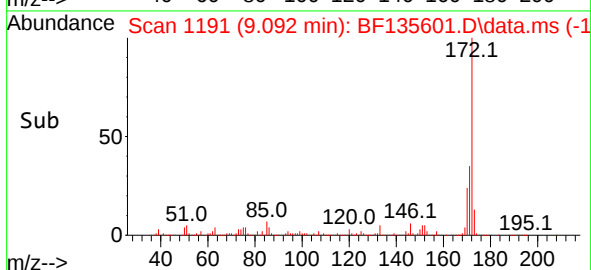
Reviewed By : Yogesh Patel 10/06/2023
Supervised By : mohammad ahmed 10/07/2023

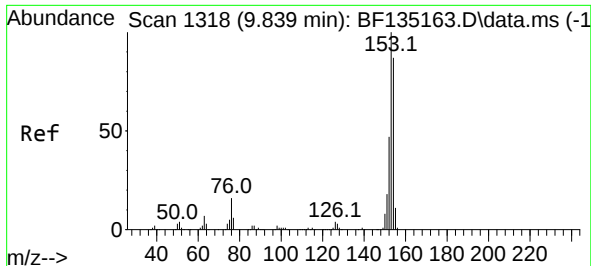


#45
2-Fluorobiphenyl
Concen: 70.248 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59



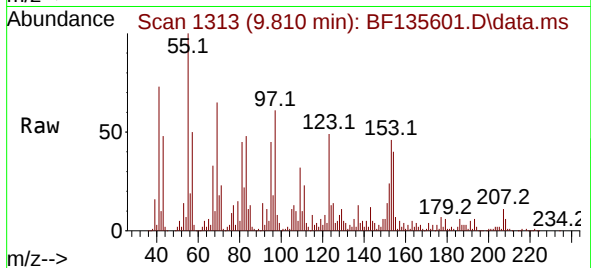
Tgt Ion: 172 Resp: 852759
Ion Ratio Lower Upper
172 100
171 34.5 28.4 42.6
170 23.9 19.0 28.4





#52
Acenaphthene
Concen: 4.446 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

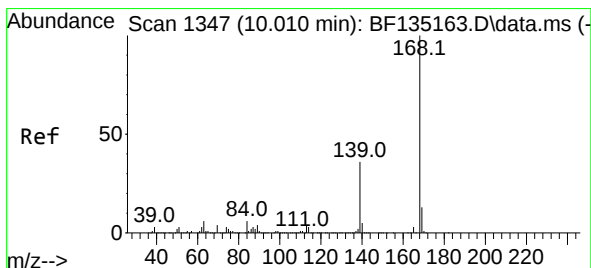
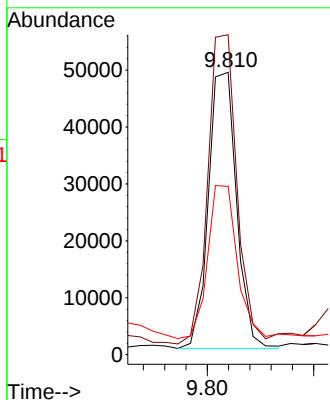
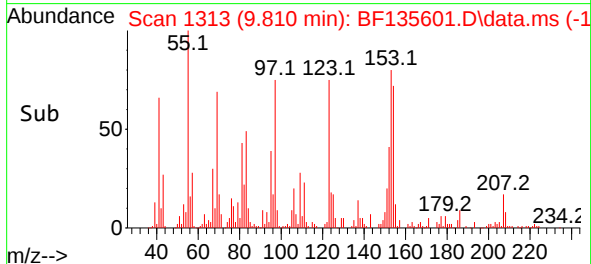
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:154 Resp: 44574
Ion Ratio Lower Upper
154 100
153 113.3 92.1 138.1
152 59.6 43.1 64.7

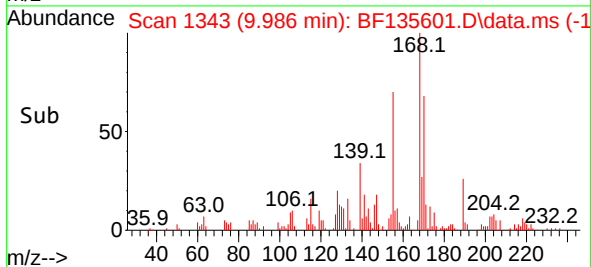
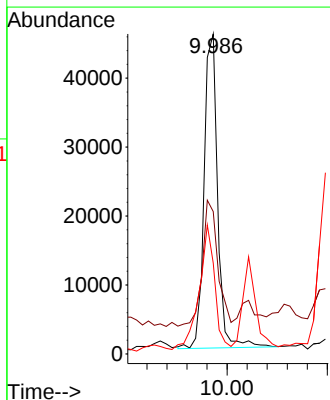
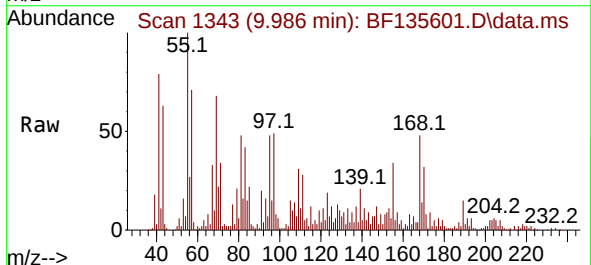
Manual Integrations
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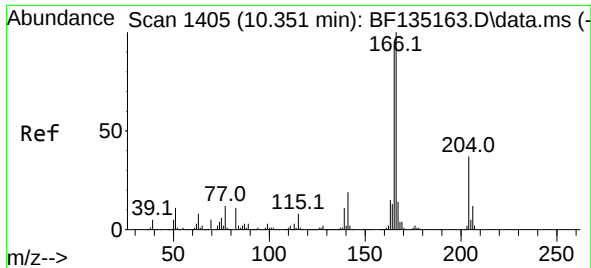
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/07/2023



#55
Dibenzofuran
Concen: 2.795 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

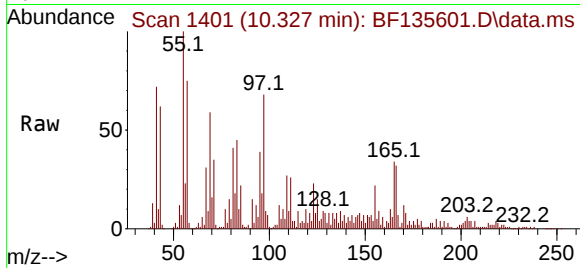
Tgt Ion:168 Resp: 42756
Ion Ratio Lower Upper
168 100
139 44.5 29.0 43.6#
169 28.4 10.4 15.6#





#58
Fluorene
Concen: 4.297 ng
RT: 10.327 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

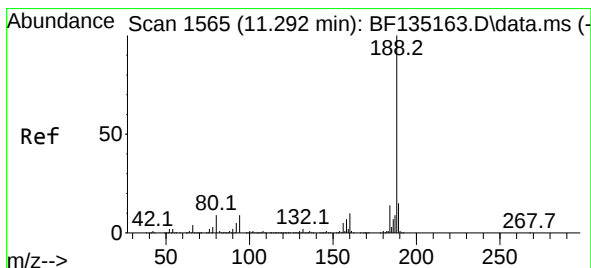
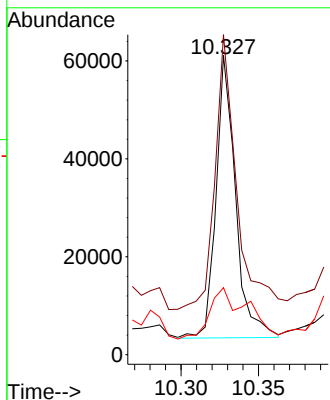
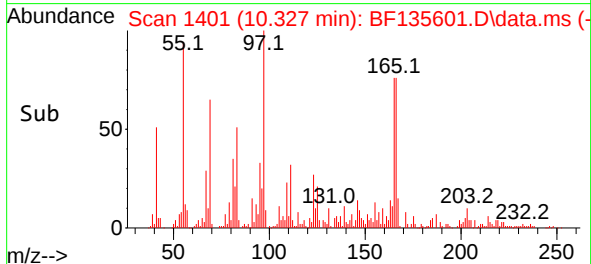
Instrument :
BNA_F
ClientSampleId :
WC-1



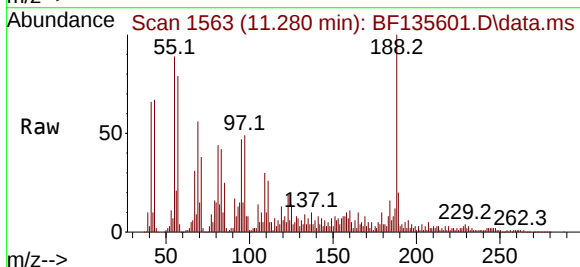
Tgt Ion:166 Resp: 5053
Ion Ratio Lower Upper
166 100
165 106.9 74.3 111.5
167 22.4 10.9 16.3

Manual Integrations
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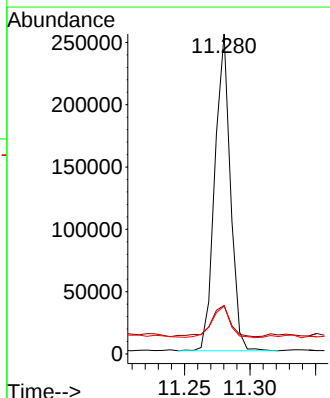
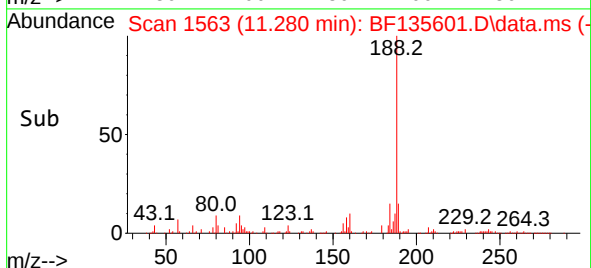
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/07/2023

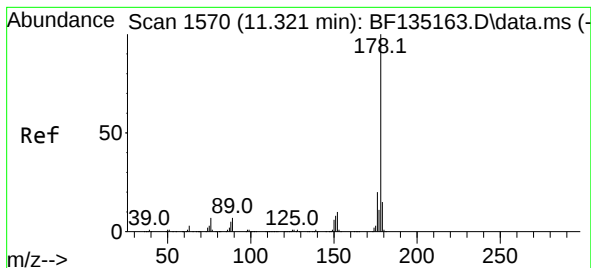


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. 0.012 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59



Tgt Ion:188 Resp: 209487
Ion Ratio Lower Upper
188 100
94 15.2 7.0 10.6#
80 15.0 7.5 11.3#





#71

Phenanthrene

Concen: 42.394 ng

RT: 11.304 min Scan# 1567

Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:178 Resp: 420028

Ion Ratio Lower Upper

178 100

176 20.2 15.6 23.4

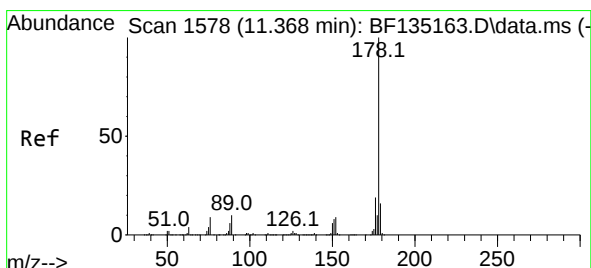
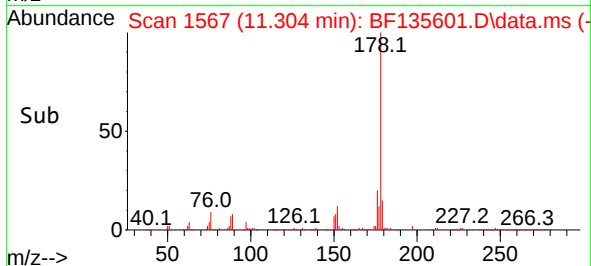
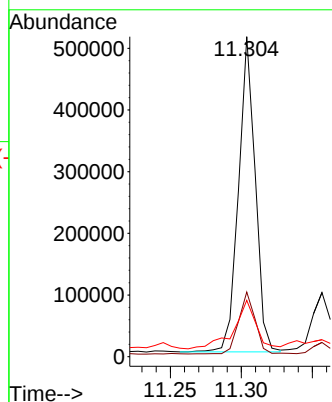
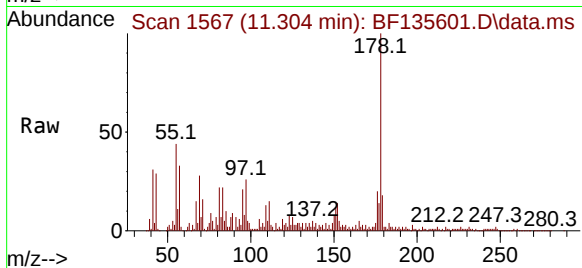
179 17.6 12.0 18.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2023

Supervised By :mohammad ahmed 10/07/2023



#72

Anthracene

Concen: 8.121 ng m

RT: 11.357 min Scan# 1576

Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

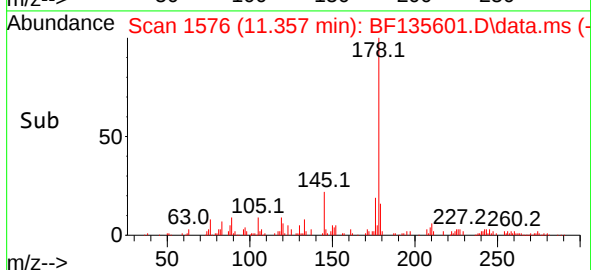
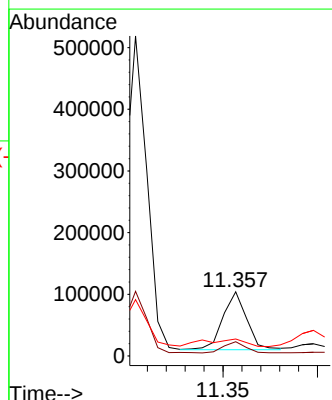
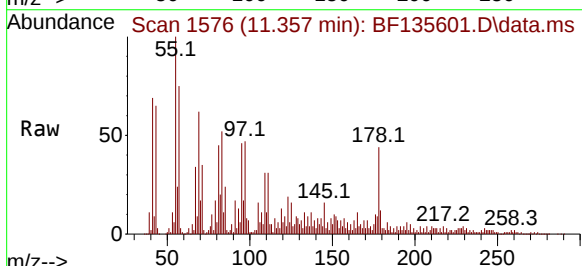
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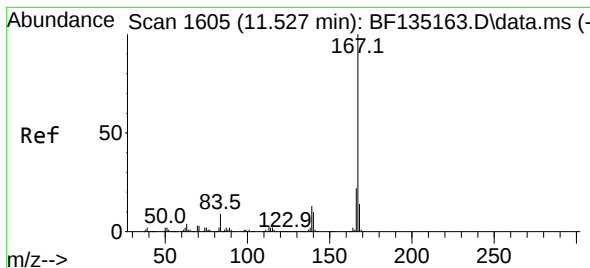
Ion Ratio Lower Upper

178 100

176 22.2 15.4 23.2

179 26.5 12.6 19.0#





#73

Carbazole

Concen: 5.747 ng

RT: 11.516 min Scan# 1603

Delta R.T. 0.006 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:167 Resp: 53280

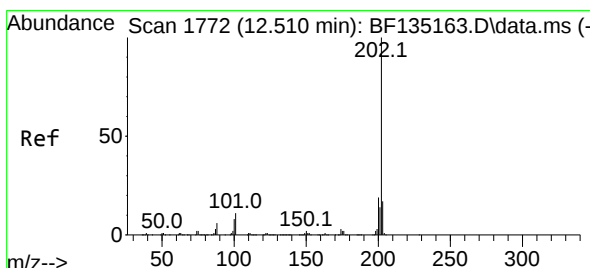
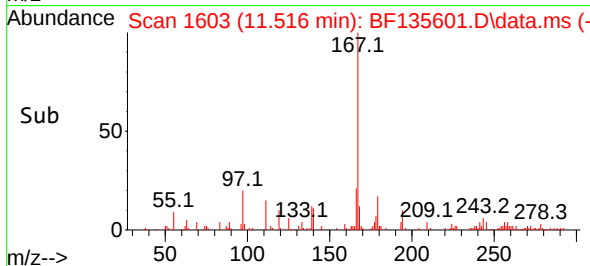
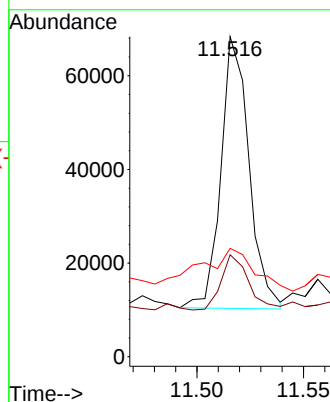
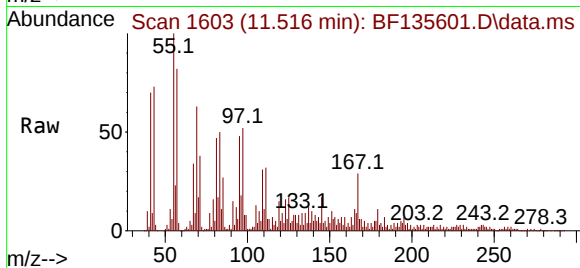
Ion	Ratio	Lower	Upper
167	100		
166	31.8	17.4	26.0
139	33.8	10.6	15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2023

Supervised By :mohammad ahmed 10/07/2023



#75

Fluoranthene

Concen: 53.038 ng

RT: 12.504 min Scan# 1771

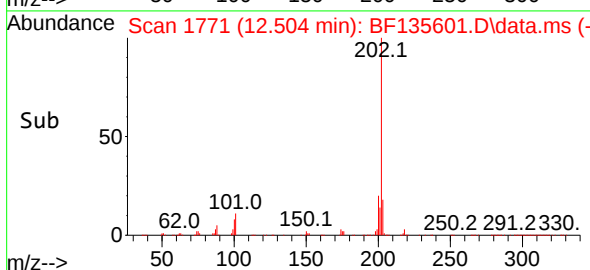
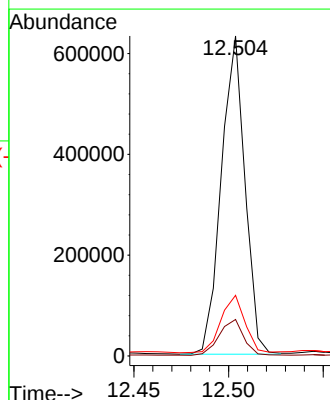
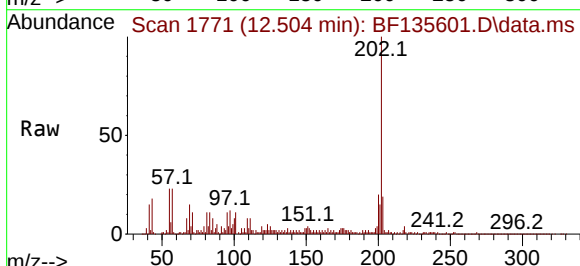
Delta R.T. 0.018 min

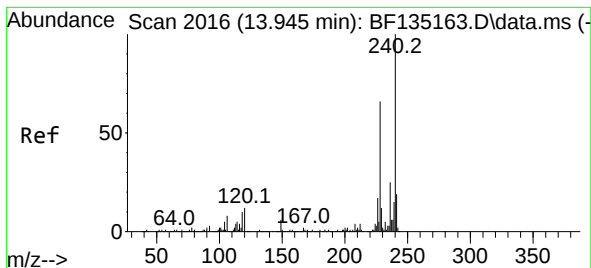
Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Tgt Ion:202 Resp: 547558

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.3
203	19.0	0.0	37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:240 Resp: 219825

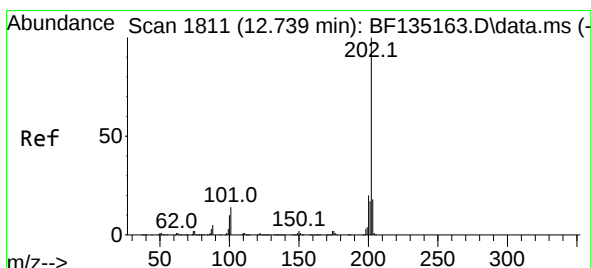
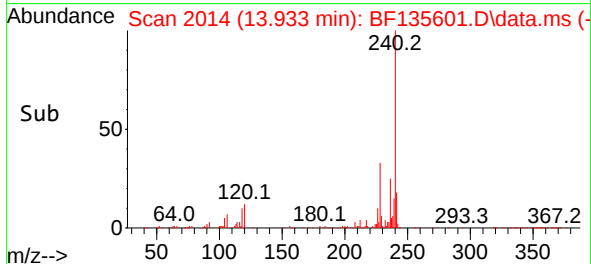
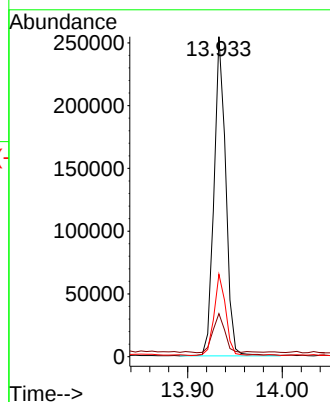
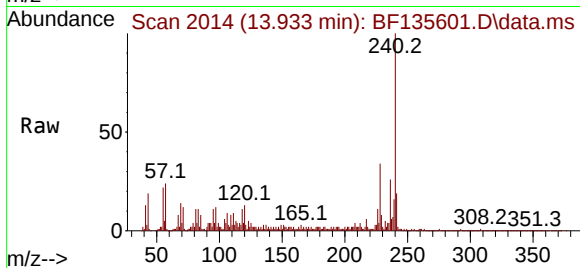
Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.4	14.2
236	25.8	19.8	29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2023

Supervised By :mohammad ahmed 10/07/2023



#78

Pyrene

Concen: 23.108 ng

RT: 12.733 min Scan# 1810

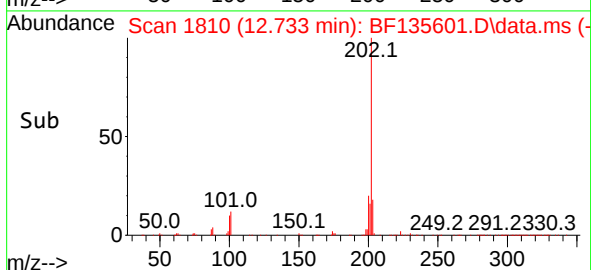
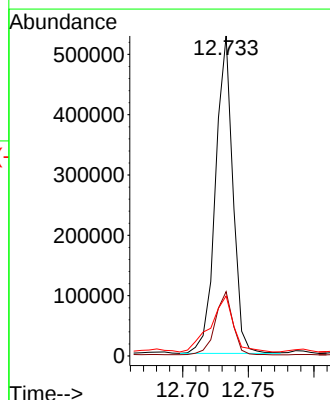
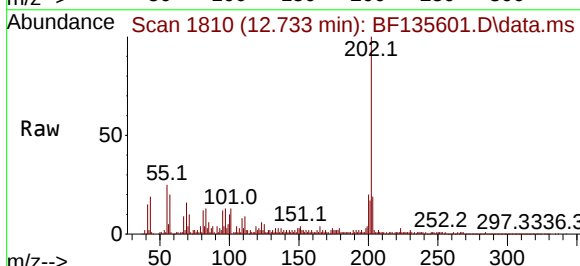
Delta R.T. 0.018 min

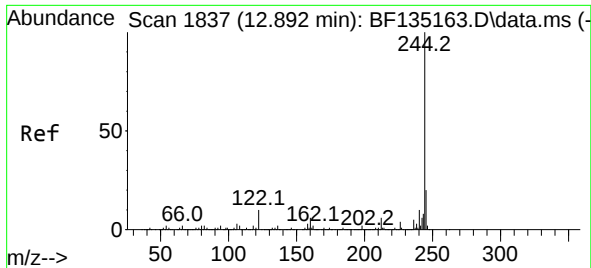
Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Tgt Ion:202 Resp: 483620

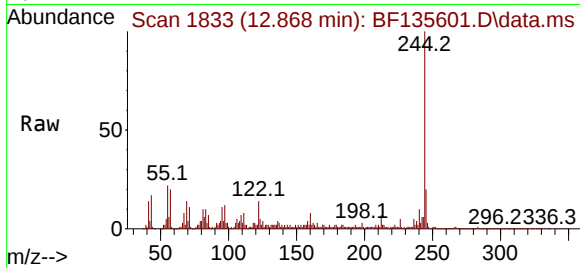
Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.2
203	18.7	14.2	21.4





#79
 Terphenyl-d14
 Concen: 36.356 ng
 RT: 12.868 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF135601.D
 Acq: 05 Oct 2023 15:59

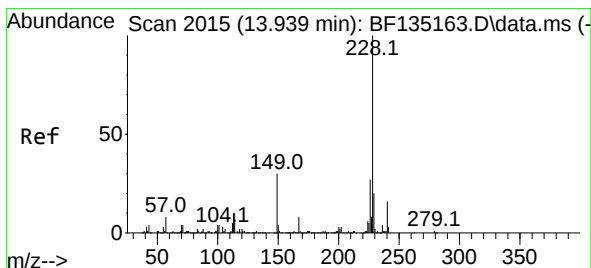
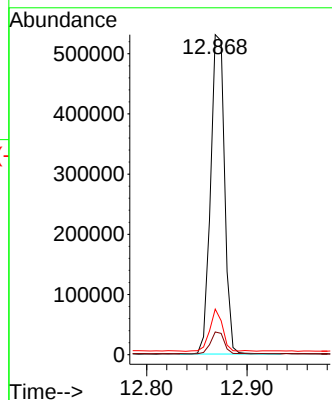
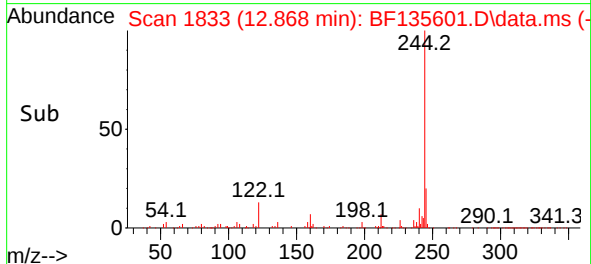
Instrument :
 BNA_F
 ClientSampleId :
 WC-1



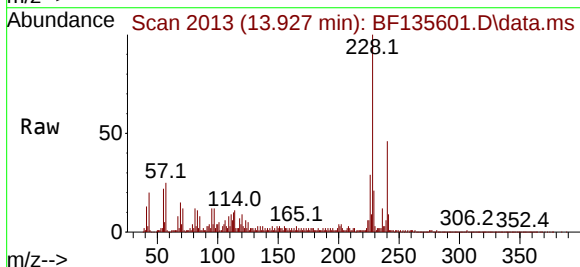
Tgt Ion:244 Resp: 515540
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.1 7.7
 122 14.2 7.9 11.9

Manual Integrations
 APPROVED

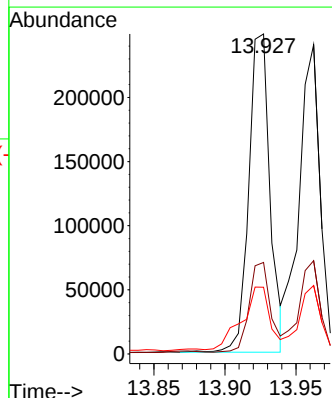
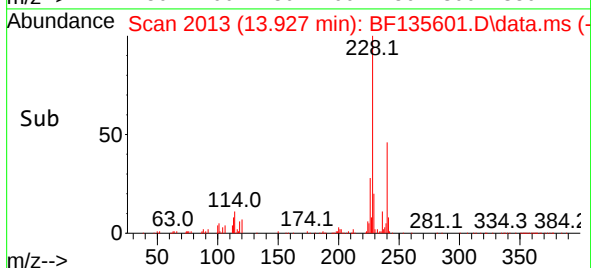
Reviewed By :Yogesh Patel 10/06/2023
 Supervised By :mohammad ahmed 10/07/2023

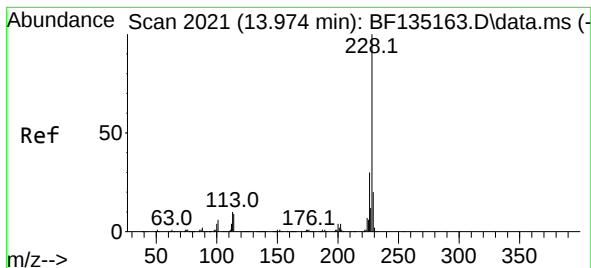


#81
 Benzo(a)anthracene
 Concen: 18.133 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. 0.012 min
 Lab File: BF135601.D
 Acq: 05 Oct 2023 15:59



Tgt Ion:228 Resp: 257399
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.7 32.5
 229 20.9 15.8 23.8





#83

Chrysene

Concen: 17.620 ng

RT: 13.962 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:228 Resp: 248662

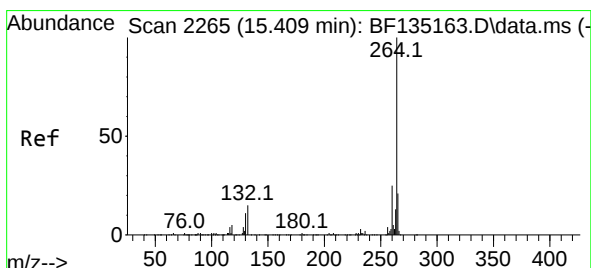
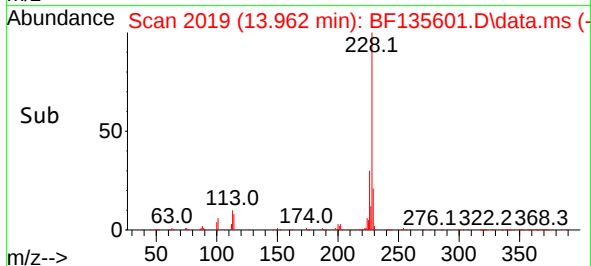
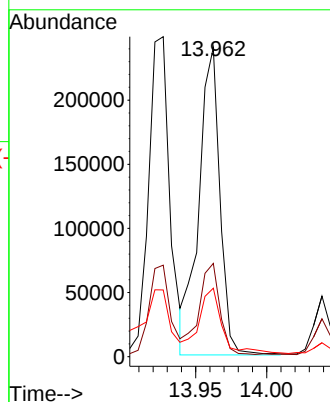
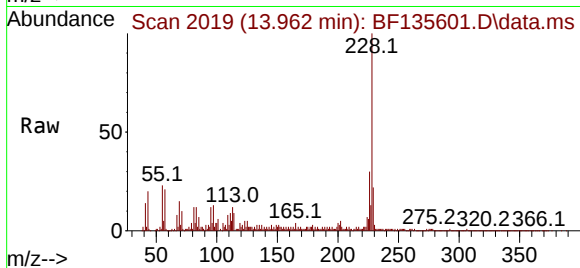
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.3	36.5
229	22.2	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2023

Supervised By :mohammad ahmed 10/07/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 2263

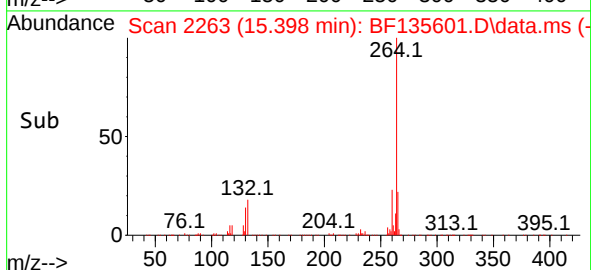
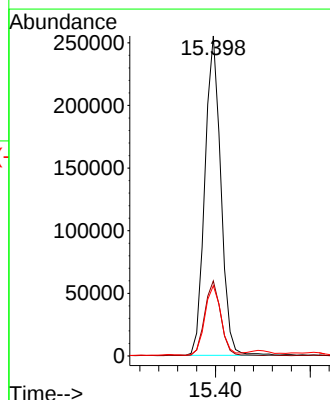
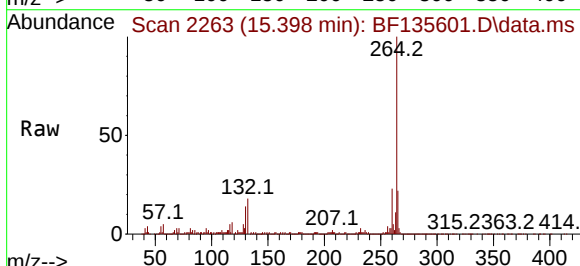
Delta R.T. 0.012 min

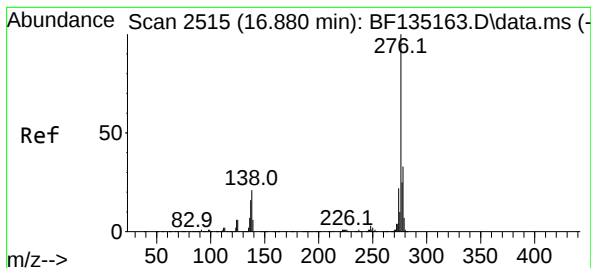
Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Tgt Ion:264 Resp: 296564

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.8	29.6
265	22.0	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.950 ng

RT: 16.880 min Scan# 2115

Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

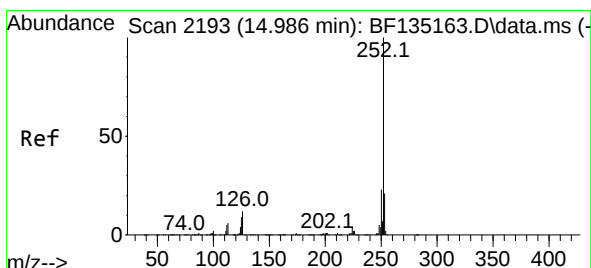
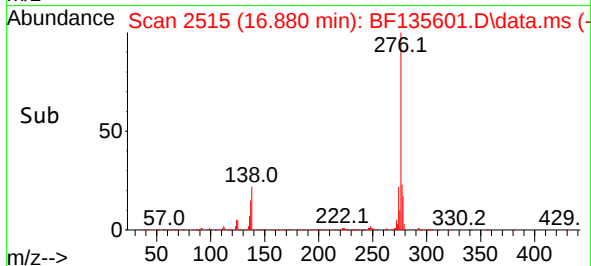
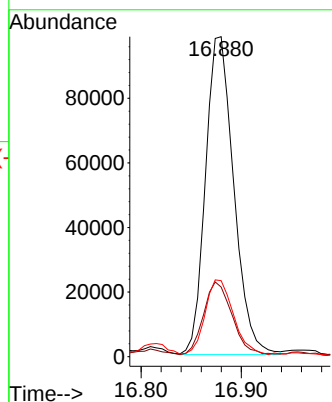
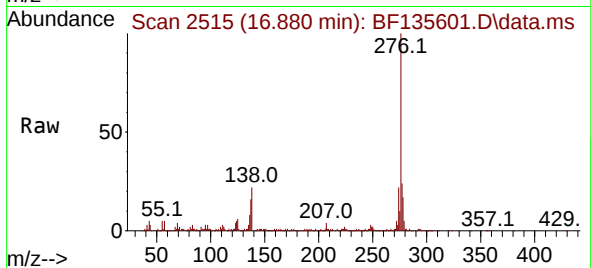
Tgt Ion:276 Resp: 193480
 Ion Ratio Lower Upper
 276 100
 138 23.5 19.2 28.8
 277 23.9 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2023

Supervised By :mohammad ahmed 10/07/2023



#88

Benzo(b)fluoranthene

Concen: 23.500 ng m

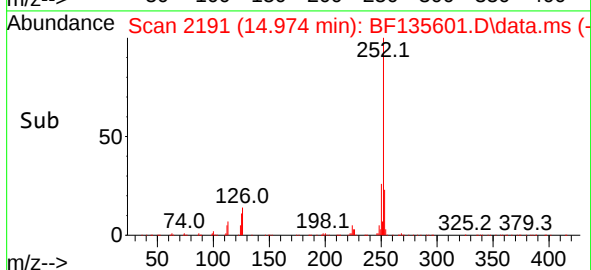
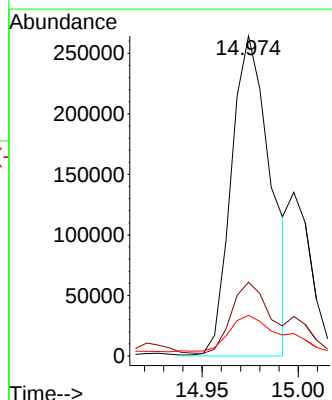
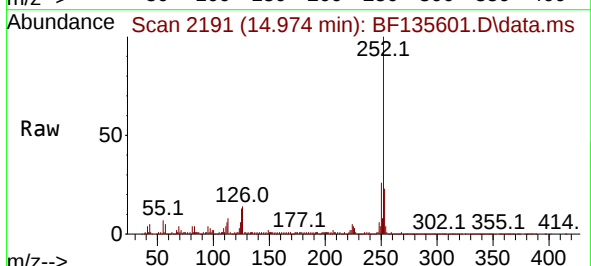
RT: 14.974 min Scan# 2191

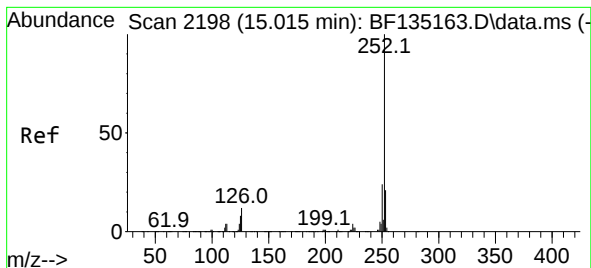
Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Tgt Ion:252 Resp: 377264
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.2 25.8
 125 12.7 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 6.803 ng m

RT: 14.998 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:252 Resp: 10788

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

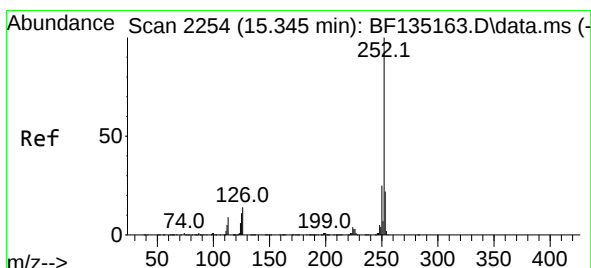
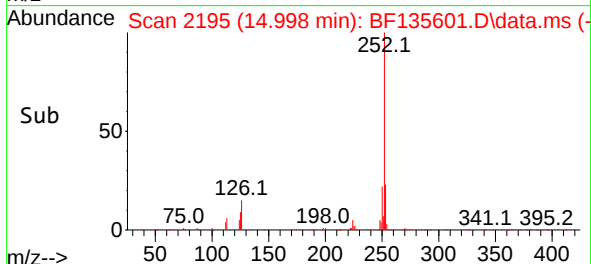
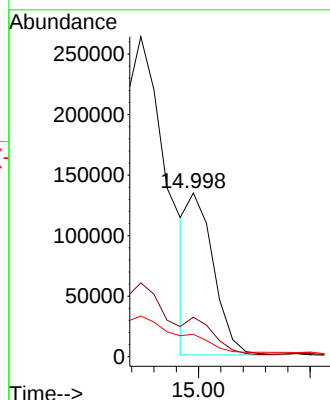
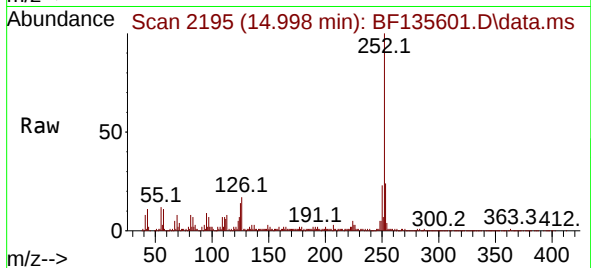
125 13.6 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2023

Supervised By :mohammad ahmed 10/07/2023



#90

Benzo(a)pyrene

Concen: 16.814 ng

RT: 15.339 min Scan# 2253

Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

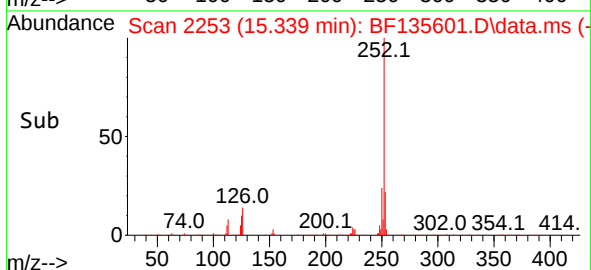
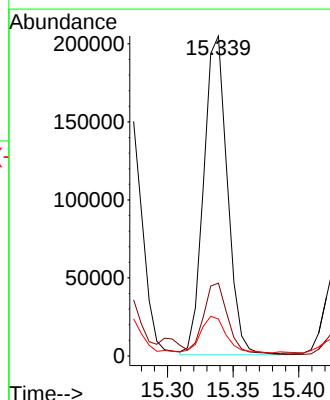
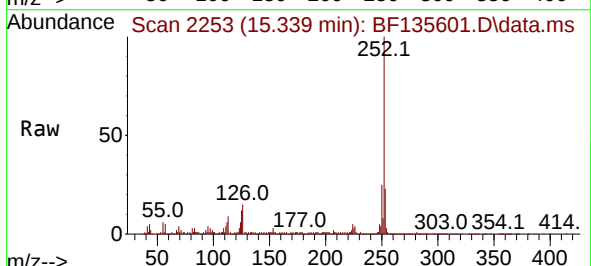
Tgt Ion:252 Resp: 257413

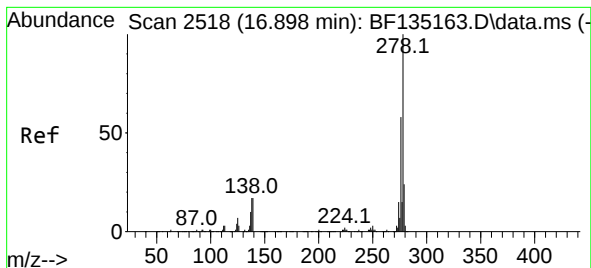
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.6 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 2.635 ng m

RT: 16.880 min Scan# 2518

Delta R.T. -0.000 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 278 Resp: 41920

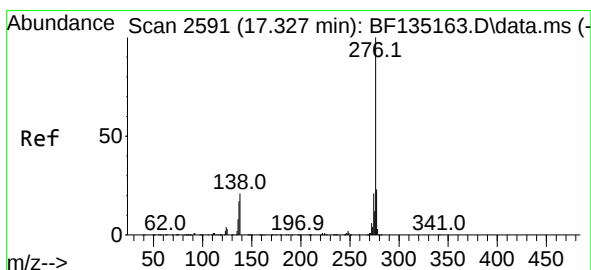
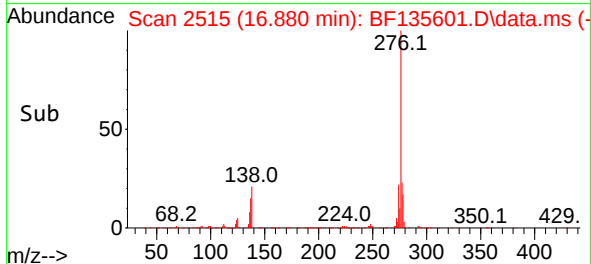
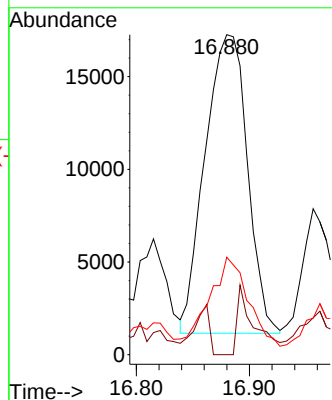
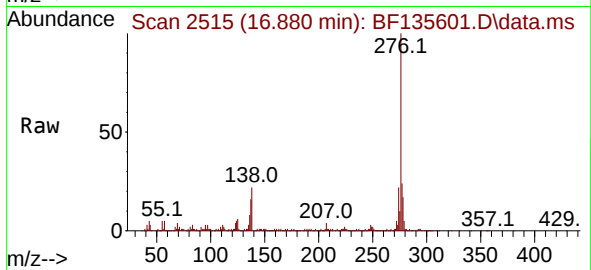
Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.4	20.0
279	30.4	19.0	28.6

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 10/06/2023

Supervised By : mohammad ahmed 10/07/2023



#92

Benzo(g,h,i)perylene

Concen: 10.915 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.018 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Tgt Ion: 276 Resp: 181363

Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.8	28.2
138	21.3	16.9	25.3

