

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130858.D
 Acq On : 29 Oct 2022 15:44
 Operator : CG\JU
 Sample : N5267-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP6-1024

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/31/2022
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Oct 30 23:24:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	83973	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	238558	20.000	ng	# 0.01
39) Acenaphthene-d10	10.016	164	107949	20.000	ng	0.02
64) Phenanthrene-d10	11.510	188	165952	20.000	ng	# 0.02
76) Chrysene-d12	14.139	240	178881	20.000	ng	0.00
86) Perylene-d12	15.651	264	144113	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	521517	107.666	ng	0.00
7) Phenol-d6	6.557	99	650852	103.400	ng	0.00
23) Nitrobenzene-d5	7.510	82	397158	100.387	ng	0.00
42) 2,4,6-Tribromophenol	10.810	330	100185	110.249	ng	0.02
45) 2-Fluorobiphenyl	9.328	172	516810	72.382	ng	0.02
79) Terphenyl-d14	13.086	244	531487	54.445	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.263	128	268774	21.594	ng	# 75
37) 2-Methylnaphthalene	8.975	142	931396	118.968	ng	99
38) 1-Methylnaphthalene	9.075	142	999228	131.148	ng	99
46) 1,1'-Biphenyl	9.433	154	53389	6.942	ng	89
52) Acenaphthene	10.051	154	119075	19.760	ng	# 77
58) Fluorene	10.569	166	245238	35.656	ng	# 90
71) Phenanthrene	11.533	178	838965	97.949	ng	# 95
72) Anthracene	11.580	178	101712	12.039	ng	# 83
75) Fluoranthene	12.721	202	373658	41.059	ng	97
78) Pyrene	12.951	202	524959	34.784	ng	98
81) Benzo(a)anthracene	14.127	228	184660	15.570	ng	94
83) Chrysene	14.163	228	176318	15.413	ng	97
84) Bis(2-ethylhexyl)phtha...	14.110	149	19168	2.936	ng	# 78
87) Indeno(1,2,3-cd)pyrene	17.192	276	65618	6.856	ng	95
88) Benzo(b)fluoranthene	15.198	252	171211m	18.378	ng	
89) Benzo(k)fluoranthene	15.227	252	47734m	5.258	ng	
90) Benzo(a)pyrene	15.586	252	127925	17.082	ng	# 91
91) Dibenzo(a,h)anthracene	17.198	278	17354	2.224	ng	# 83
92) Benzo(g,h,i)perylene	17.662	276	68686	8.630	ng	97

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

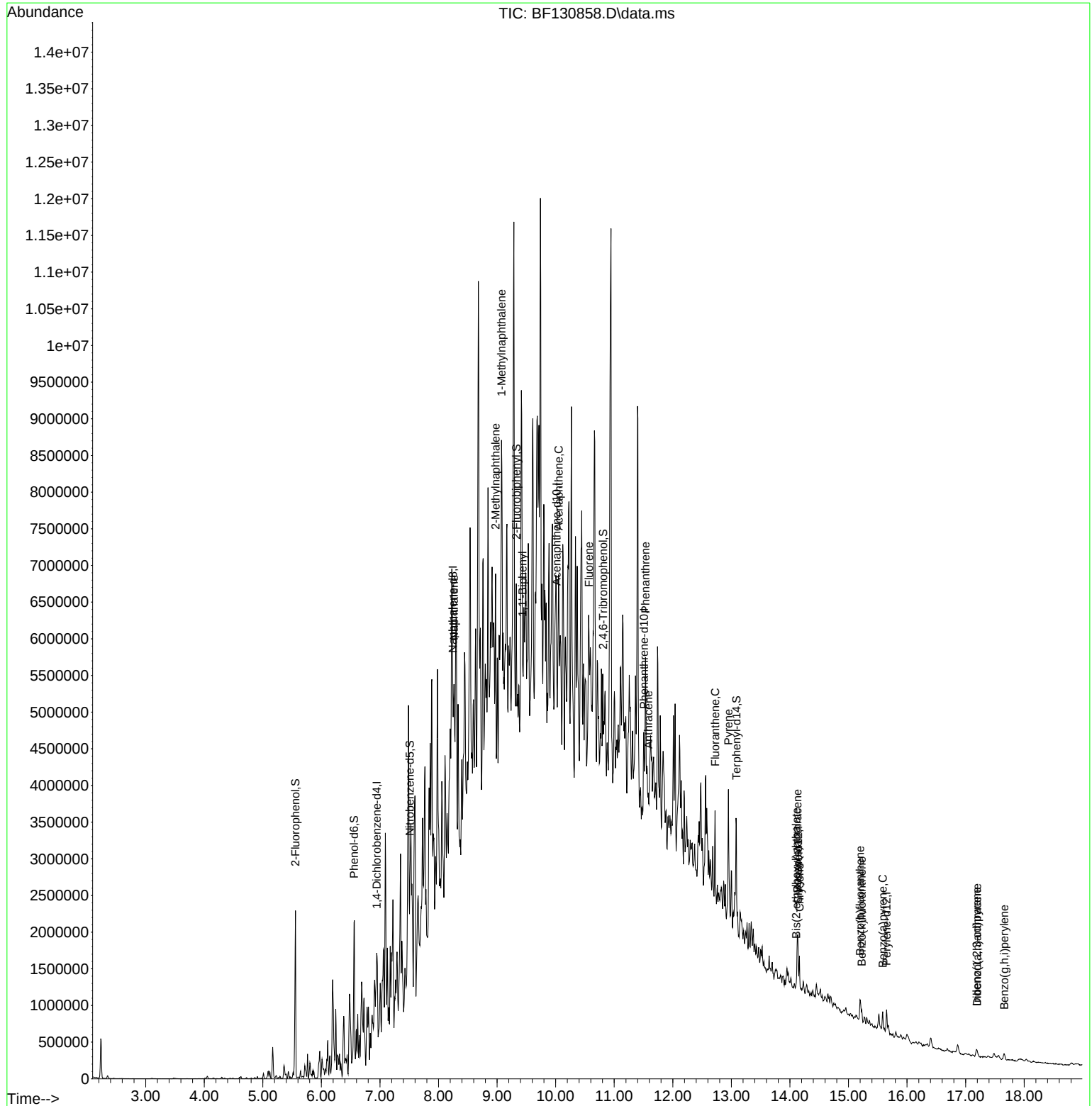
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
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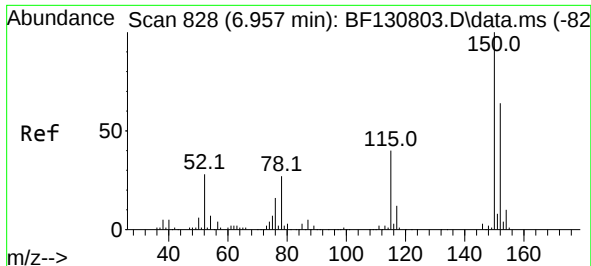
Instrument :
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ClientSampleId :
TP6-1024

Quant Time: Oct 30 23:24:24 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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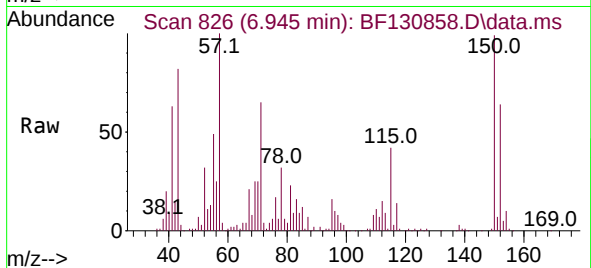
Reviewed By : Christian Giraldo 10/31/2022
Supervised By : Jagrut Upadhyay 11/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130858.D
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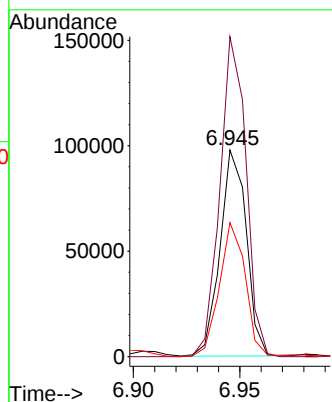
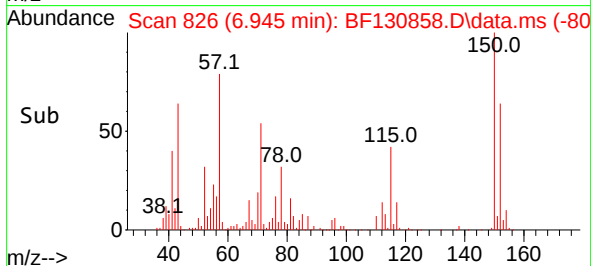
Instrument :
BNA_F
ClientSampleId :
TP6-1024



Tgt Ion:152 Resp: 83973
Ion Ratio Lower Upper
152 100
150 155.0 124.1 186.1
115 64.9 50.1 75.1

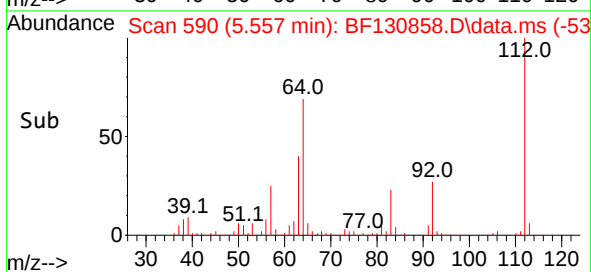
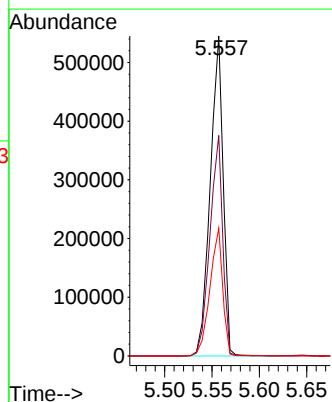
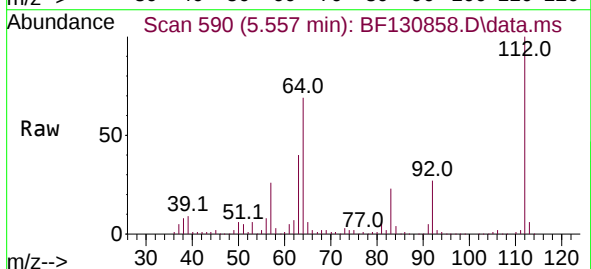
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#5
2-Fluorophenol
Concen: 107.666 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

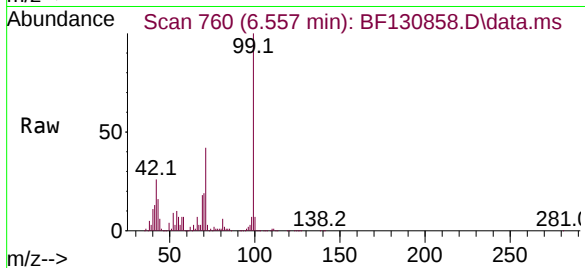
Tgt Ion:112 Resp: 521517
Ion Ratio Lower Upper
112 100
64 68.9 53.9 80.9
63 39.9 29.4 44.2





#7
Phenol-d6
Concen: 103.400 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

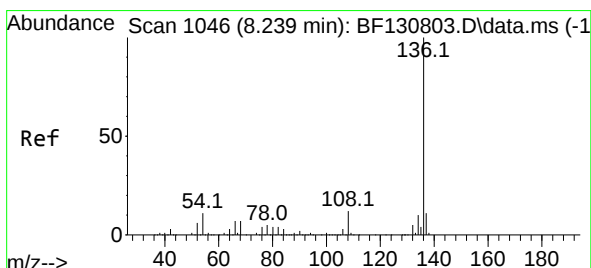
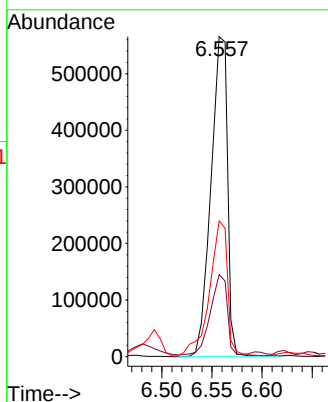
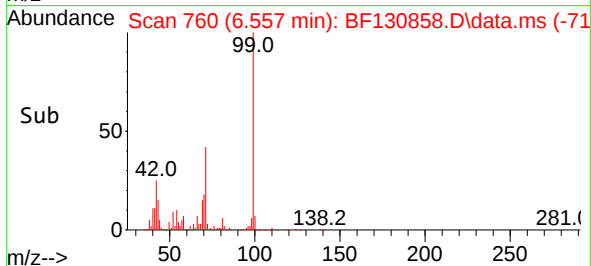
Instrument :
BNA_F
ClientSampleId :
TP6-1024



Tgt Ion: 99 Resp: 650852
Ion Ratio Lower Upper
99 100
42 25.6 18.8 28.2
71 42.4 31.4 47.0

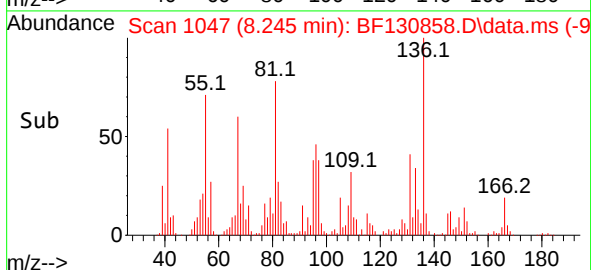
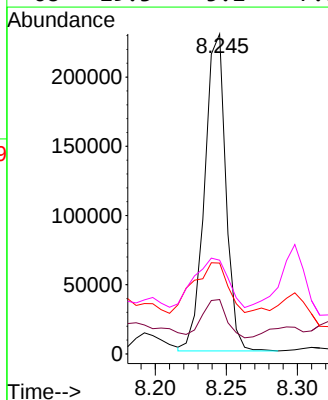
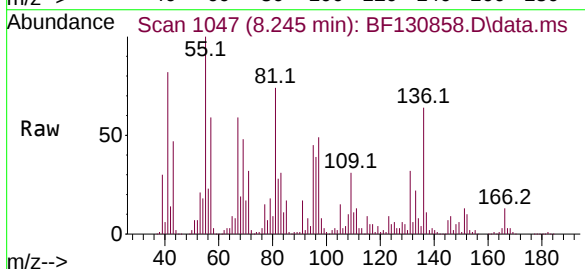
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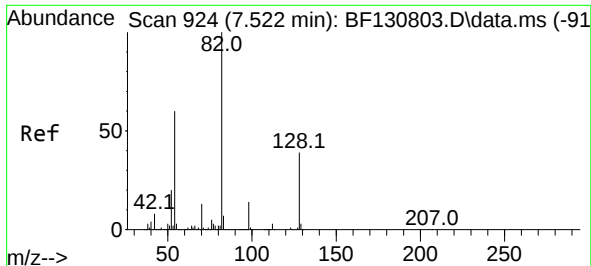
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. 0.012 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

Tgt Ion:136 Resp: 238558
Ion Ratio Lower Upper
136 100
137 17.0 9.2 13.8#
54 28.4 8.8 13.2#
68 29.3 5.2 7.8#





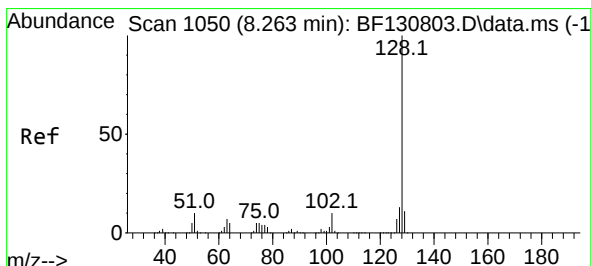
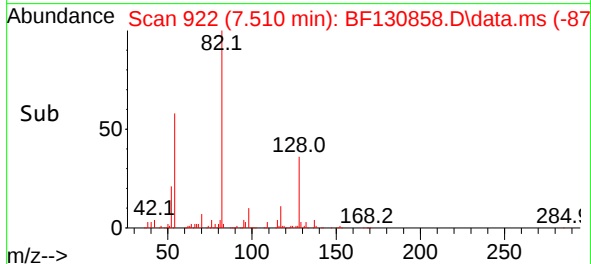
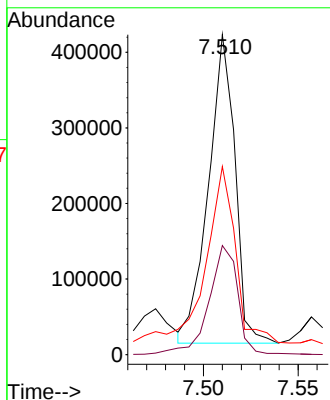
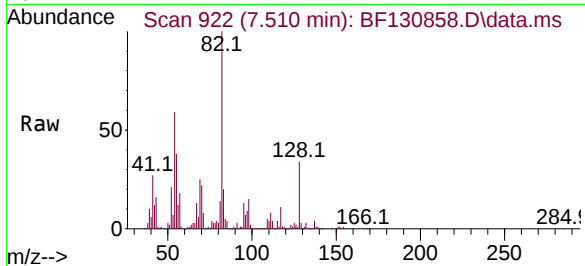
#23
Nitrobenzene-d5
Concen: 100.387 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 397158
Ion Ratio Lower Upper
82 100
128 34.1 31.2 46.8
54 58.8 48.0 72.0

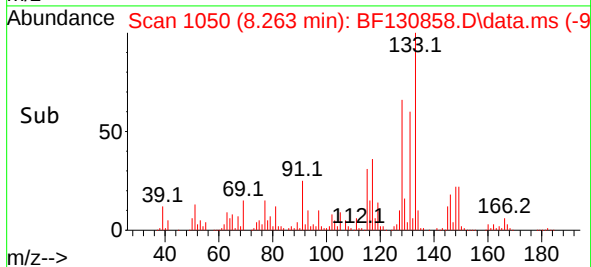
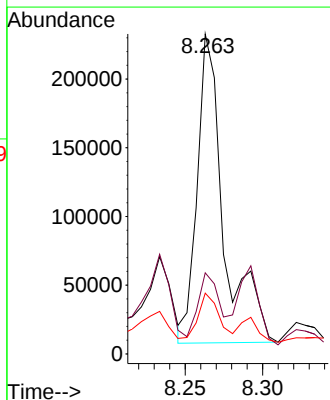
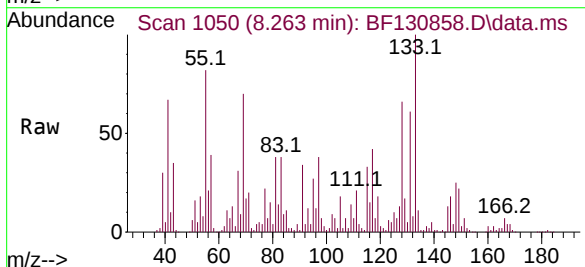
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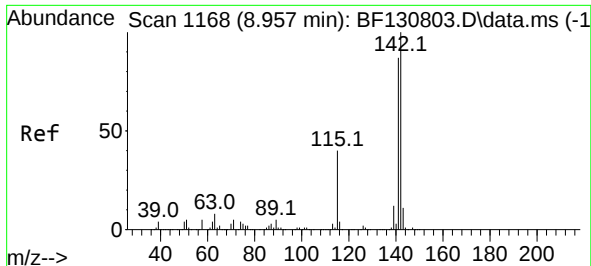
Reviewed By :Christian Giraldo 10/31/2022
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#31
Naphthalene
Concen: 21.594 ng
RT: 8.263 min Scan# 1050
Delta R.T. 0.006 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

Tgt Ion:128 Resp: 268774
Ion Ratio Lower Upper
128 100
129 25.3 9.0 13.6#
127 19.0 10.6 16.0#





#37

2-Methylnaphthalene

Concen: 118.968 ng

RT: 8.975 min Scan# 1168

Delta R.T. 0.029 min

Lab File: BF130858.D

Acq: 29 Oct 2022 15:44

Instrument :

BNA_F

ClientSampleId :

TP6-1024

Tgt Ion:142 Resp: 931396

Ion Ratio Lower Upper

142 100

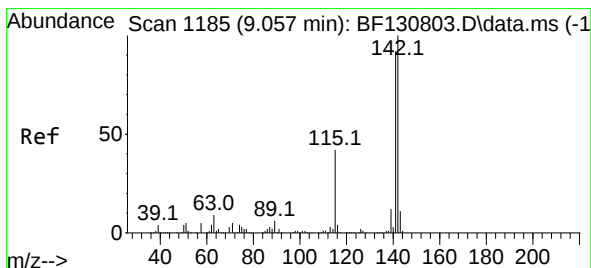
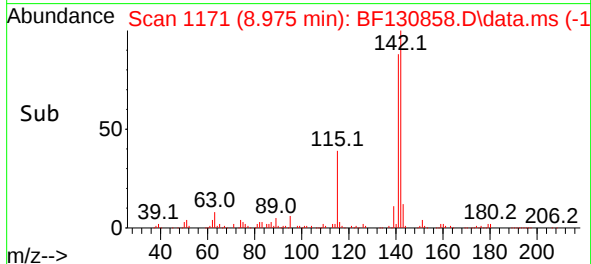
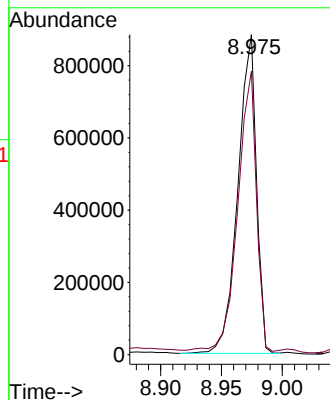
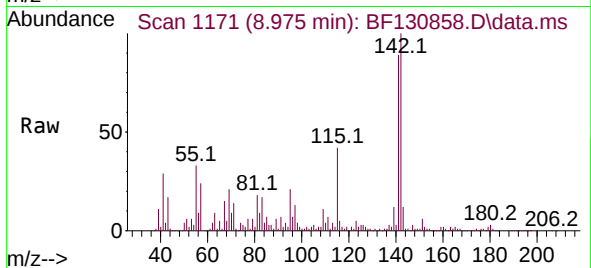
141 88.6 69.9 104.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/01/2022



#38

1-Methylnaphthalene

Concen: 131.148 ng

RT: 9.075 min Scan# 1188

Delta R.T. 0.023 min

Lab File: BF130858.D

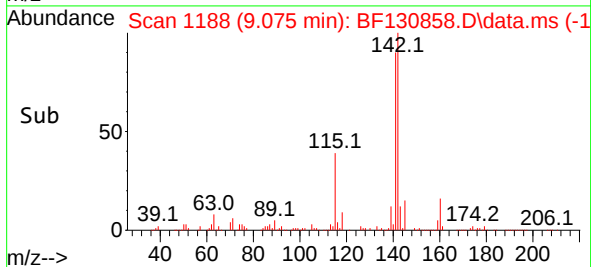
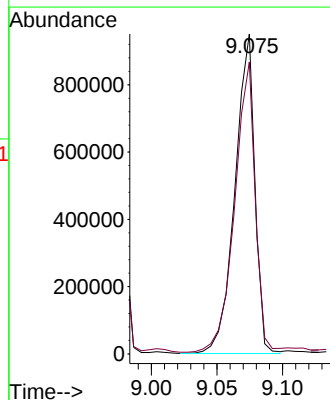
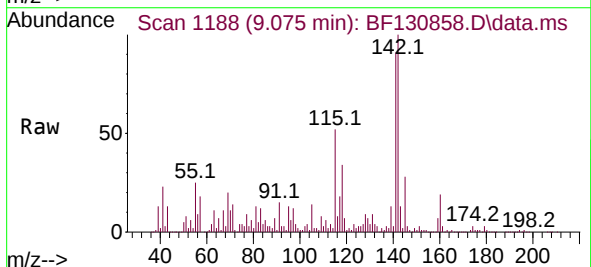
Acq: 29 Oct 2022 15:44

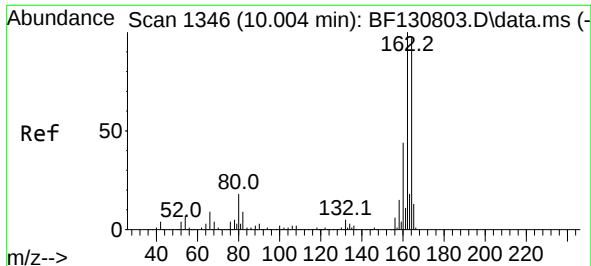
Tgt Ion:142 Resp: 999228

Ion Ratio Lower Upper

142 100

141 91.2 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.016 min Scan# 1346

Delta R.T. 0.018 min

Lab File: BF130858.D

Acq: 29 Oct 2022 15:44

Instrument :

BNA_F

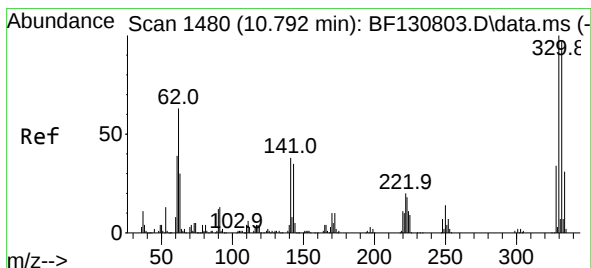
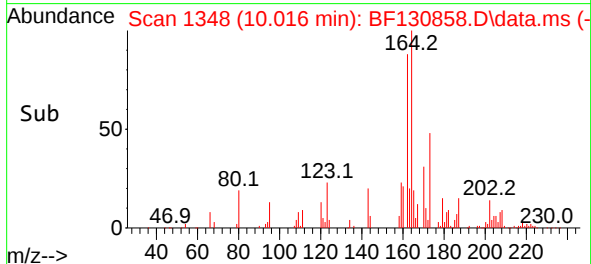
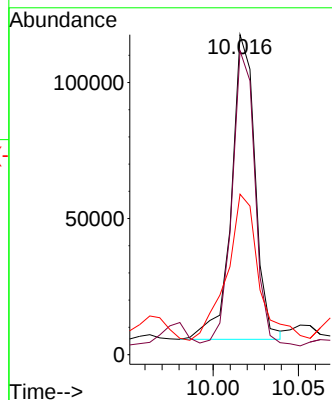
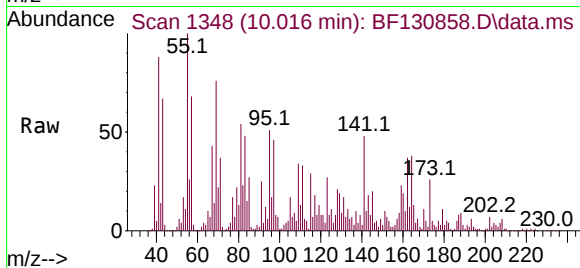
ClientSampleId :

TP6-1024

Tgt Ion:164 Resp: 107949
 Ion Ratio Lower Upper
 164 100
 162 94.9 82.2 123.2
 160 50.1 36.6 54.8

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 Supervised By :Jagrut Upadhyay 11/01/2022



#42

2,4,6-Tribromophenol

Concen: 110.249 ng

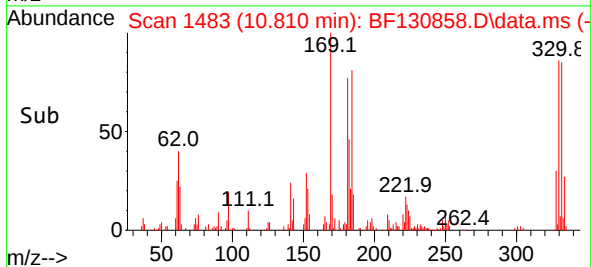
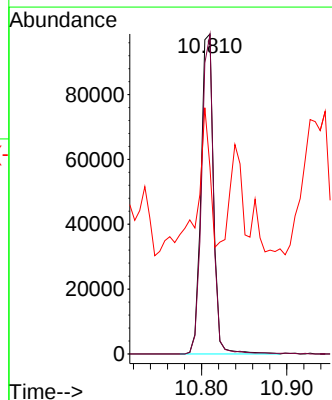
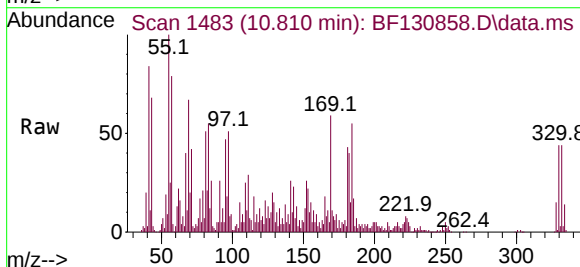
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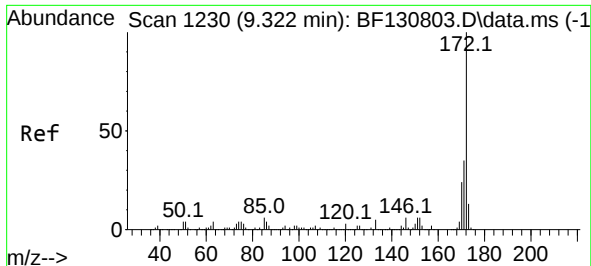
Delta R.T. 0.023 min

Lab File: BF130858.D

Acq: 29 Oct 2022 15:44

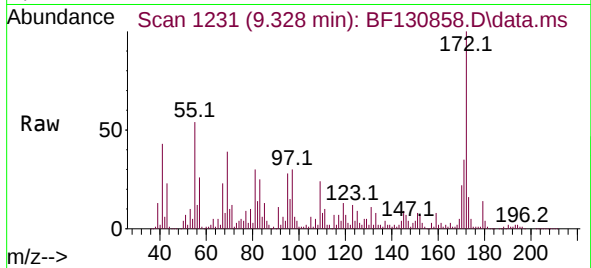
Tgt Ion:330 Resp: 100185
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.2 114.4
 141 46.5 31.4 47.0





#45
2-Fluorobiphenyl
Concen: 72.382 ng
RT: 9.328 min Scan# 1230
Delta R.T. 0.018 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

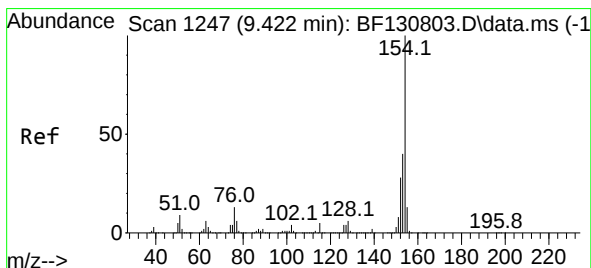
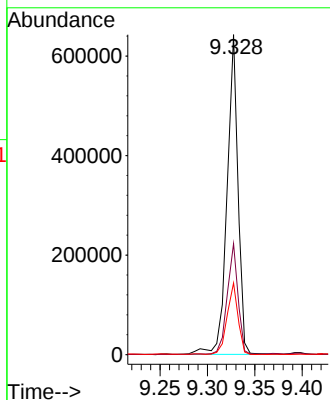
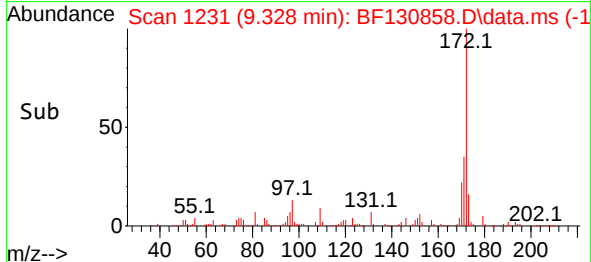
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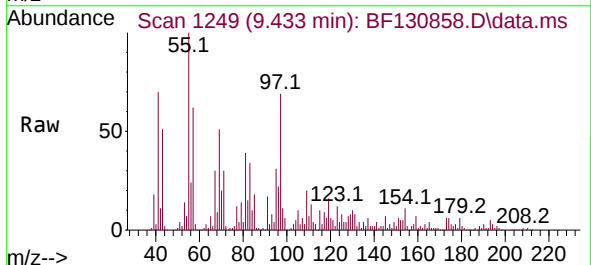
Tgt Ion:172 Resp: 516810
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 22.4 19.0 28.4

Manual Integrations
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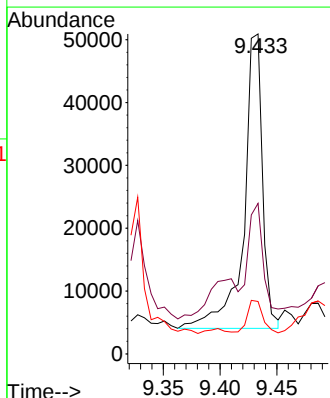
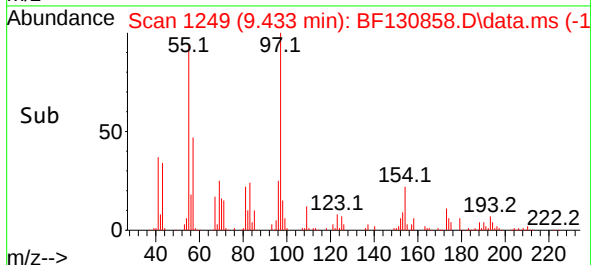
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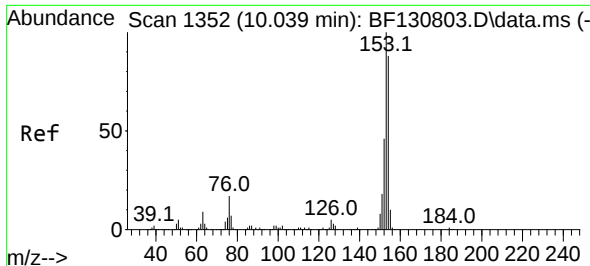


#46
1,1'-Biphenyl
Concen: 6.942 ng
RT: 9.433 min Scan# 1249
Delta R.T. 0.018 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44



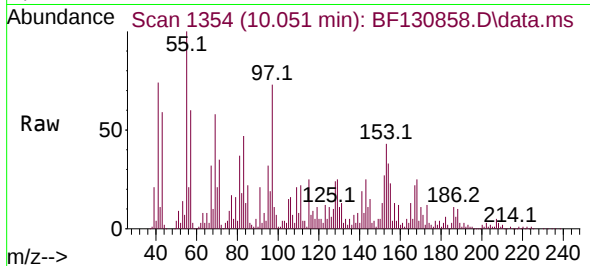
Tgt Ion:154 Resp: 53389
Ion Ratio Lower Upper
154 100
153 47.0 19.9 59.9
76 16.4 0.0 32.5





#52
Acenaphthene
Concen: 19.760 ng
RT: 10.051 min Scan# 1352
Delta R.T. 0.018 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

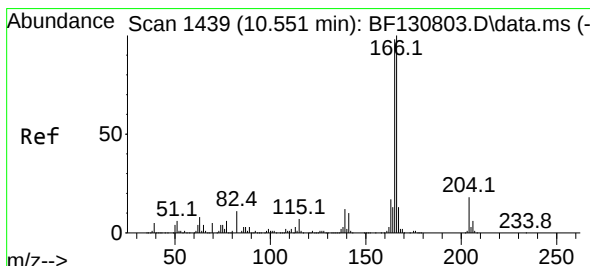
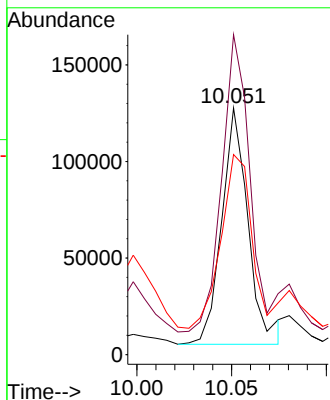
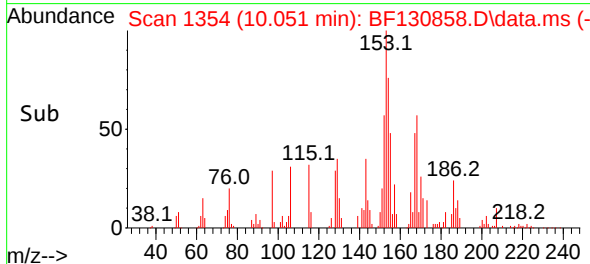
Instrument :
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ClientSampleId :
TP6-1024



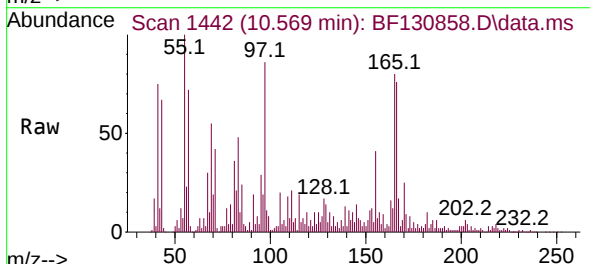
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Ion Ratio Lower Upper
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153 129.7 90.5 135.7
152 81.1 42.0 63.0

Manual Integrations
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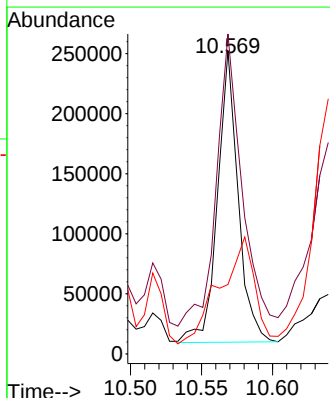
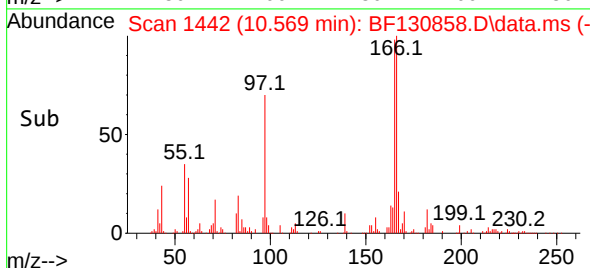
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

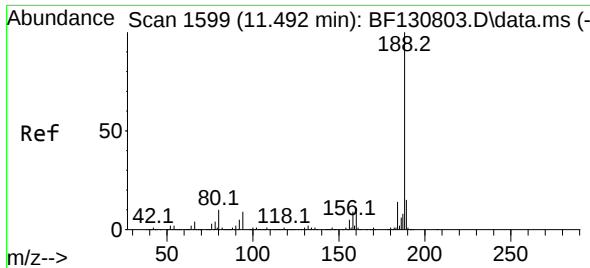


#58
Fluorene
Concen: 35.656 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.023 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44



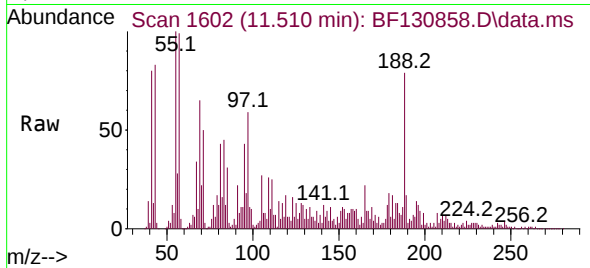
Tgt Ion:166 Resp: 245238
Ion Ratio Lower Upper
166 100
165 105.5 78.1 117.1
167 22.9 10.4 15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.510 min Scan# 1602
Delta R.T. 0.023 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

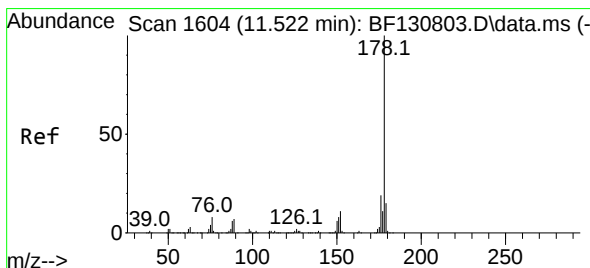
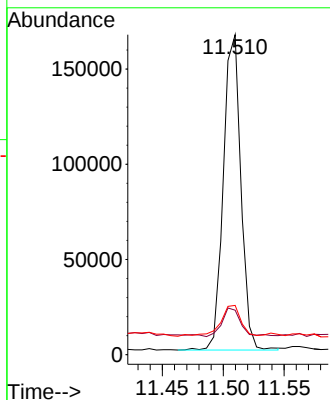
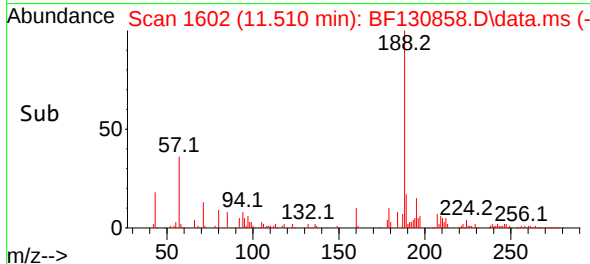
Instrument :
BNA_F
ClientSampleId :
TP6-1024



Tgt Ion:188 Resp: 165952
Ion Ratio Lower Upper
188 100
94 13.9 7.4 11.2
80 15.4 8.0 12.0

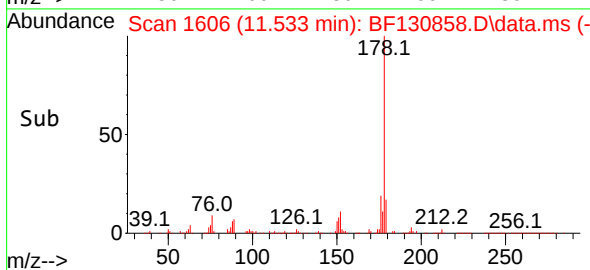
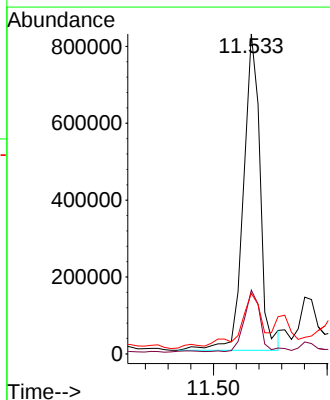
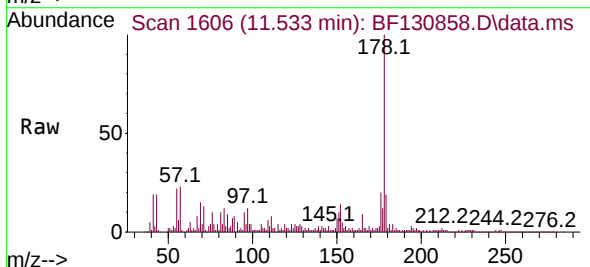
Manual Integrations
APPROVED

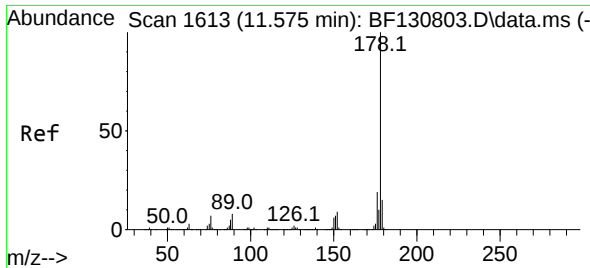
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#71
Phenanthrene
Concen: 97.949 ng
RT: 11.533 min Scan# 1606
Delta R.T. 0.023 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

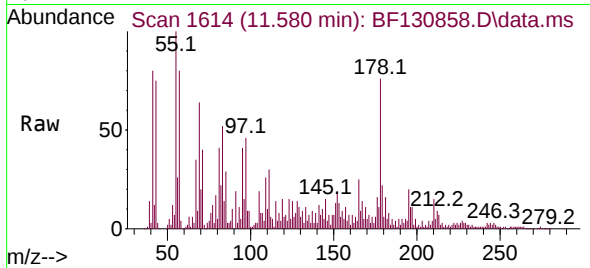
Tgt Ion:178 Resp: 838965
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 18.9 12.2 18.2





#72
 Anthracene
 Concen: 12.039 ng
 RT: 11.580 min Scan# 1613
 Delta R.T. 0.018 min
 Lab File: BF130858.D
 Acq: 29 Oct 2022 15:44

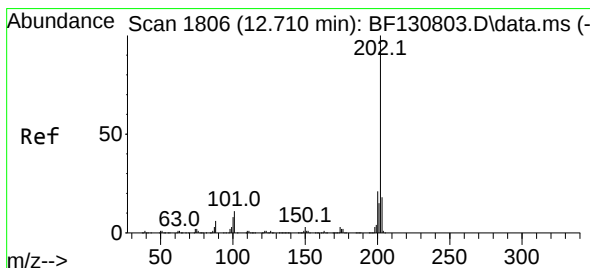
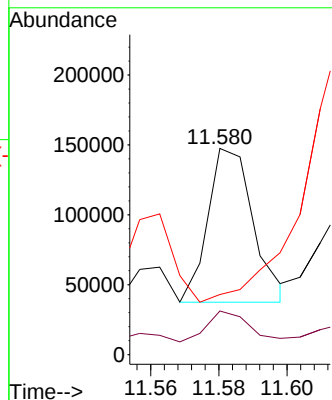
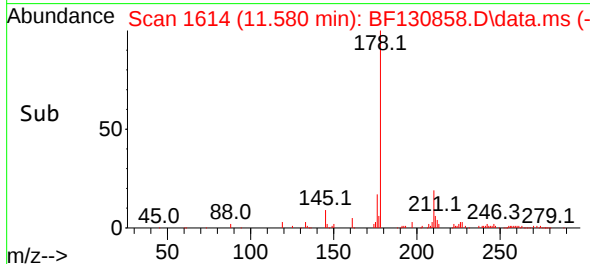
Instrument :
 BNA_F
 ClientSampleId :
 TP6-1024



Tgt Ion:178 Resp: 101712
 Ion Ratio Lower Upper
 178 100
 176 21.2 15.4 23.0
 179 29.2 12.2 18.4

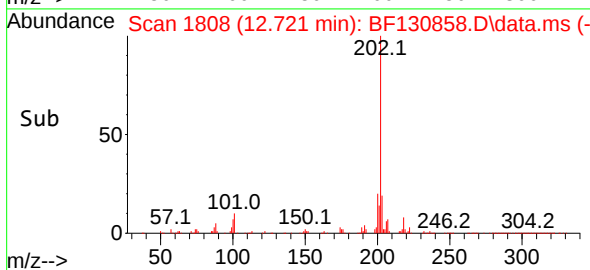
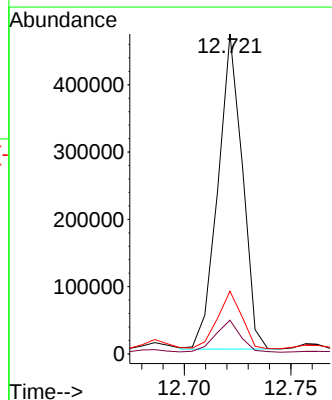
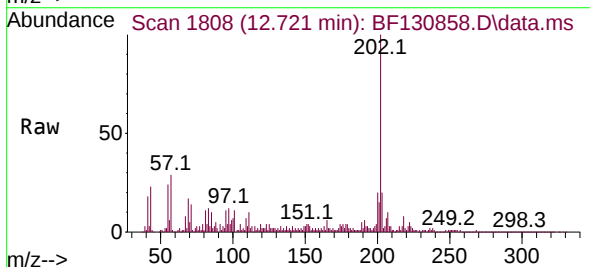
Manual Integrations
 APPROVED

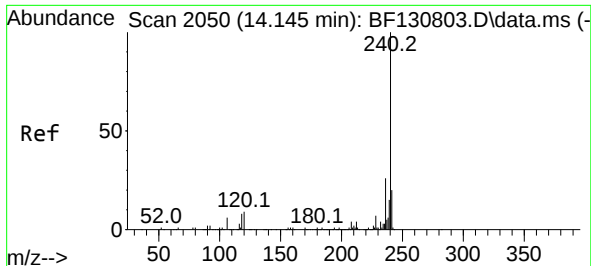
Reviewed By :Christian Giraldo 10/31/2022
 Supervised By :Jagrut Upadhyay 11/01/2022



#75
 Fluoranthene
 Concen: 41.059 ng
 RT: 12.721 min Scan# 1808
 Delta R.T. 0.018 min
 Lab File: BF130858.D
 Acq: 29 Oct 2022 15:44

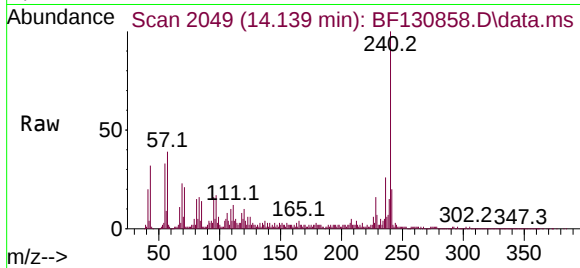
Tgt Ion:202 Resp: 373658
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 30.9
 203 19.6 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2050
Delta R.T. 0.006 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

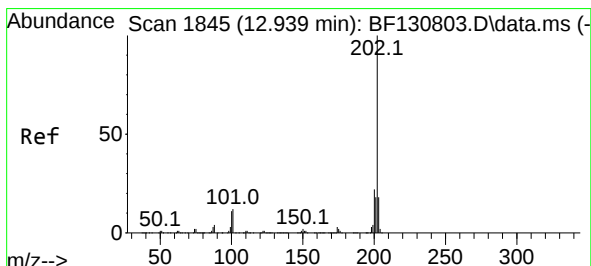
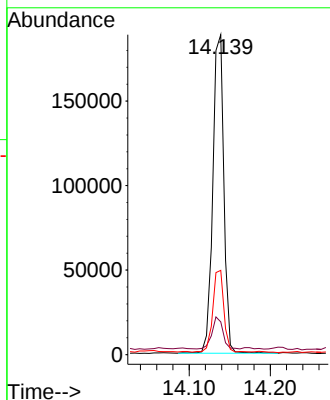
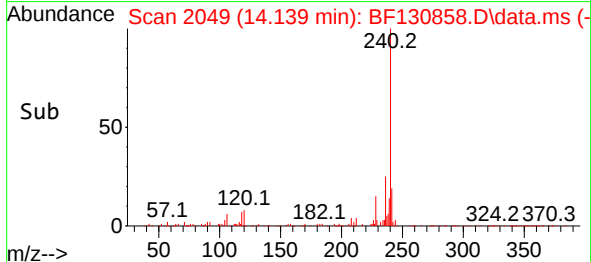
Instrument :
BNA_F
Client SampleId :
TP6-1024



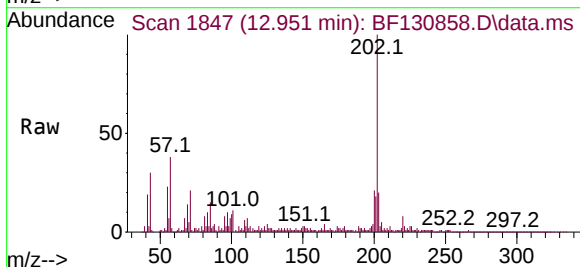
Tgt Ion:240 Resp: 17888
Ion Ratio Lower Upper
240 100
120 10.2 7.0 10.4
236 26.3 20.5 30.7

Manual Integrations
APPROVED

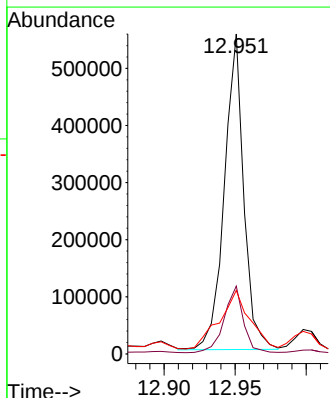
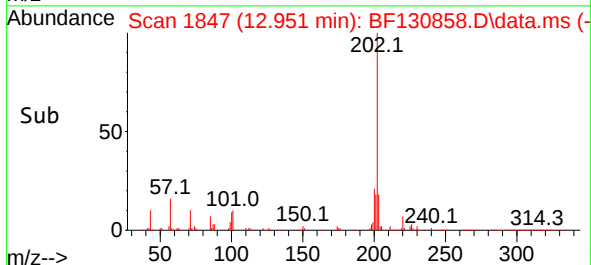
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

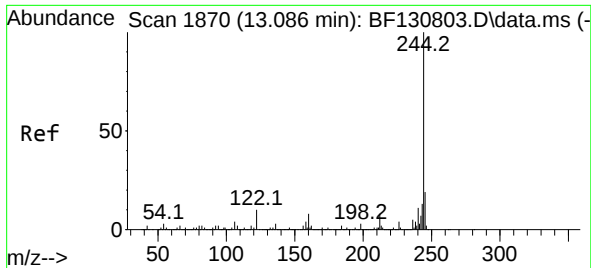


#78
Pyrene
Concen: 34.784 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.018 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44



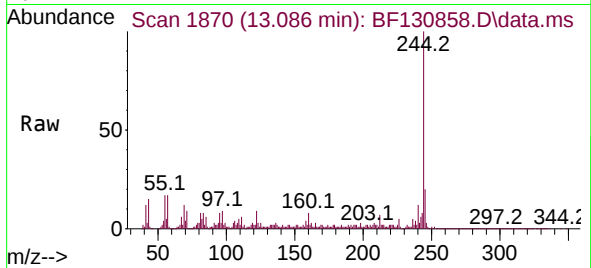
Tgt Ion:202 Resp: 524959
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 19.9 14.5 21.7





#79
 Terphenyl-d14
 Concen: 54.445 ng
 RT: 13.086 min Scan# 1870
 Delta R.T. 0.012 min
 Lab File: BF130858.D
 Acq: 29 Oct 2022 15:44

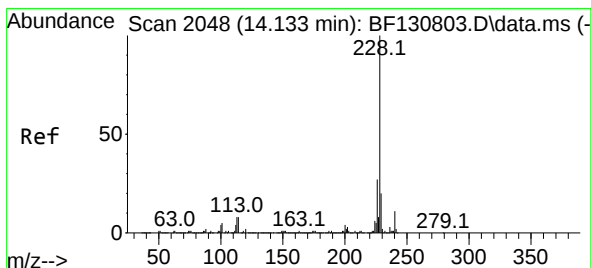
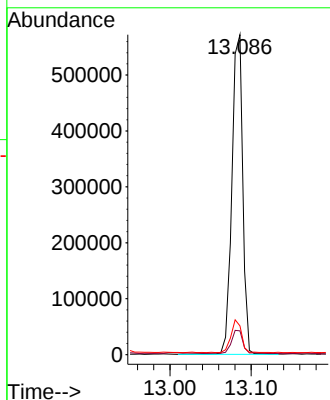
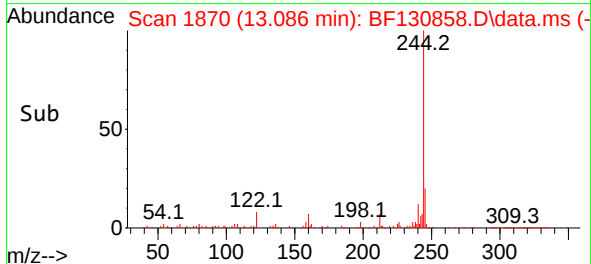
Instrument :
 BNA_F
 ClientSampleId :
 TP6-1024



Tgt Ion:244 Resp: 53148
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 9.0 7.9 11.9

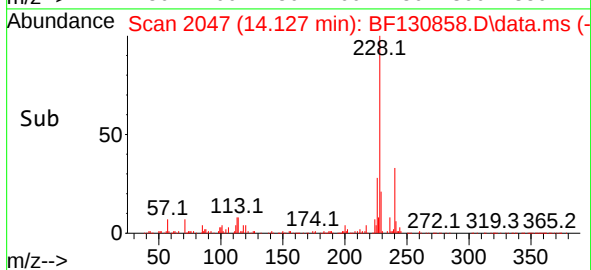
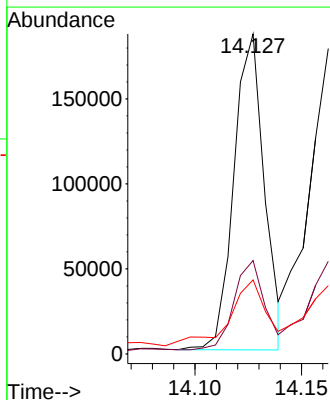
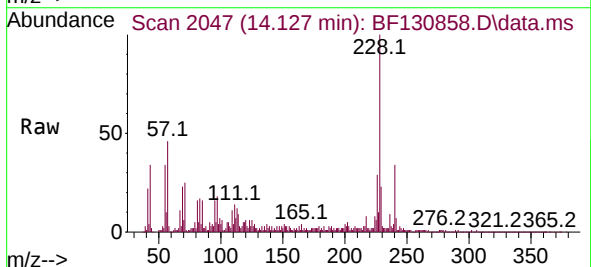
Manual Integrations
 APPROVED

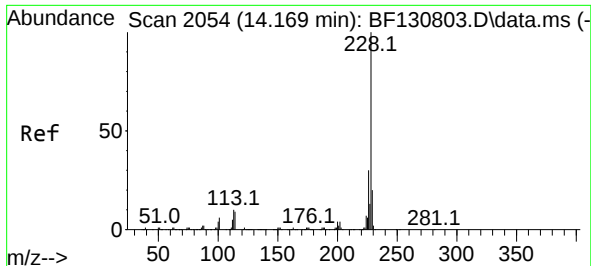
Reviewed By :Christian Giraldo 10/31/2022
 Supervised By :Jagrut Upadhyay 11/01/2022



#81
 Benzo(a)anthracene
 Concen: 15.570 ng
 RT: 14.127 min Scan# 2047
 Delta R.T. 0.006 min
 Lab File: BF130858.D
 Acq: 29 Oct 2022 15:44

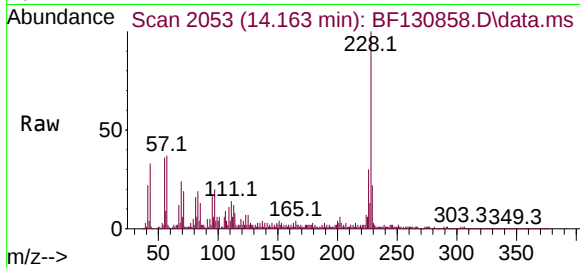
Tgt Ion:228 Resp: 184660
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.4 32.2
 229 23.2 15.8 23.6





#83
Chrysene
Concen: 15.413 ng
RT: 14.163 min Scan# 2054
Delta R.T. 0.006 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

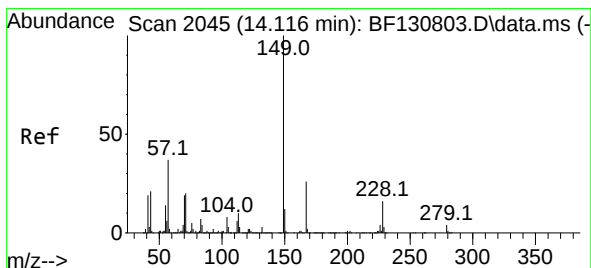
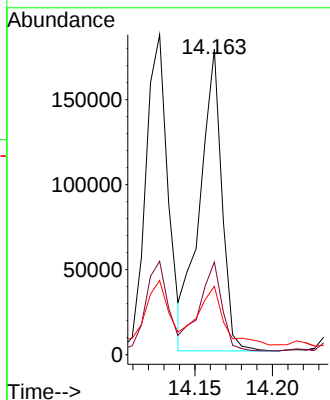
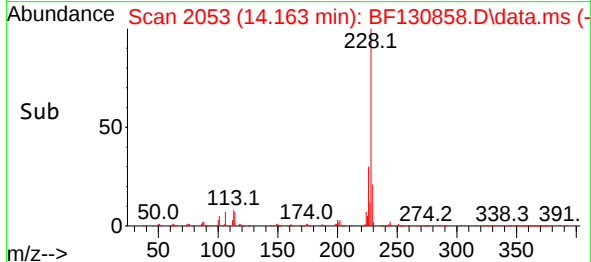
Instrument :
BNA_F
Client SampleId :
TP6-1024



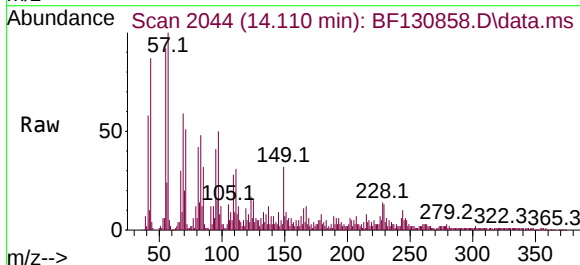
Tgt Ion:228 Resp: 176318
Ion Ratio Lower Upper
228 100
226 30.3 23.9 35.9
229 22.4 15.8 23.6

Manual Integrations
APPROVED

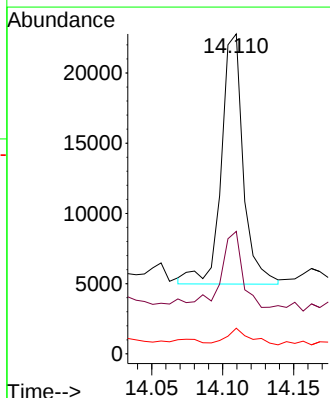
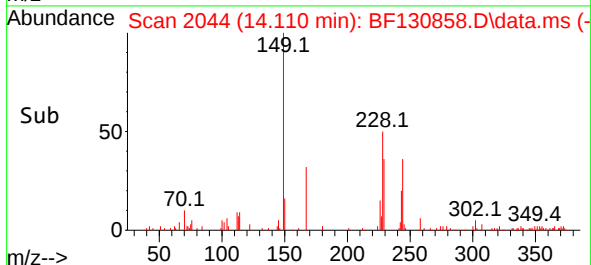
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

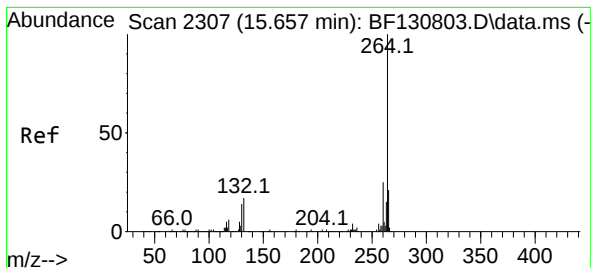


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.936 ng
RT: 14.110 min Scan# 2044
Delta R.T. 0.006 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44



Tgt Ion:149 Resp: 19168
Ion Ratio Lower Upper
149 100
167 38.3 21.0 31.4#
279 8.0 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 2307

Delta R.T. 0.006 min

Lab File: BF130858.D

Acq: 29 Oct 2022 15:44

Instrument :

BNA_F

ClientSampleId :

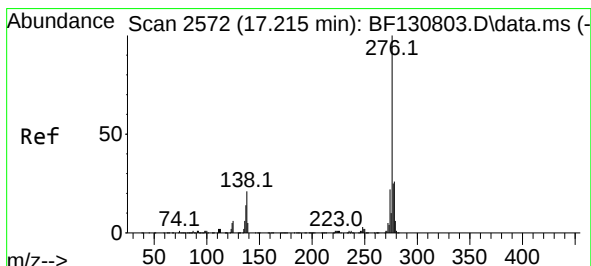
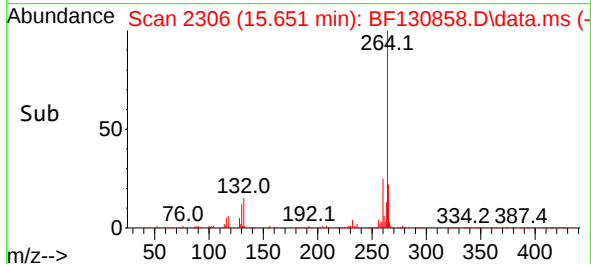
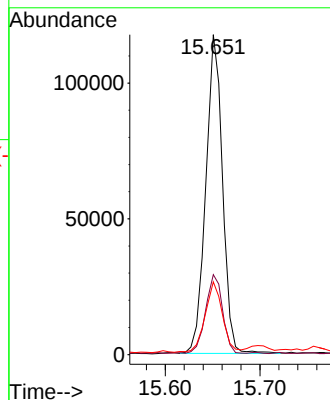
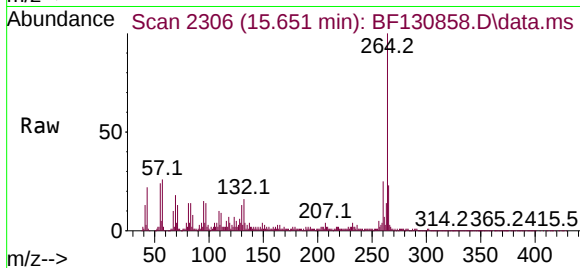
TP6-1024

Tgt Ion:	264	Resp:	144113
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.9	29.9
265	22.7	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.856 ng

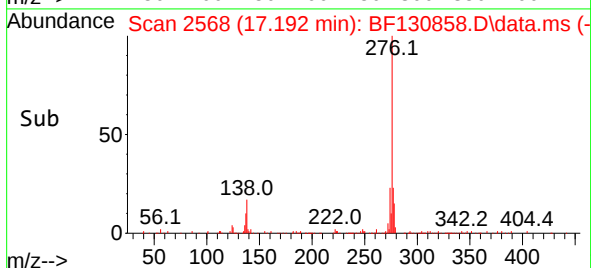
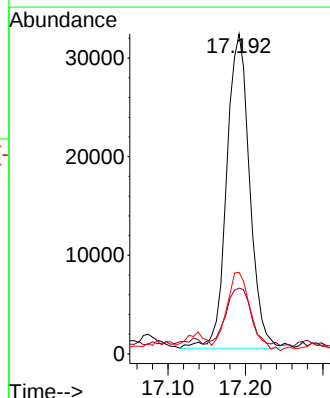
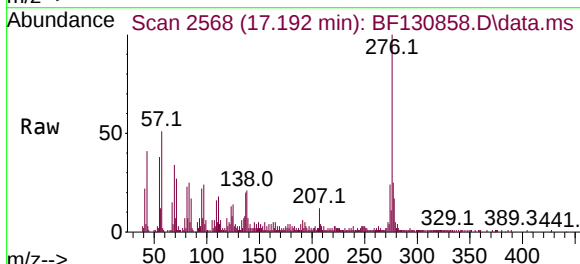
RT: 17.192 min Scan# 2568

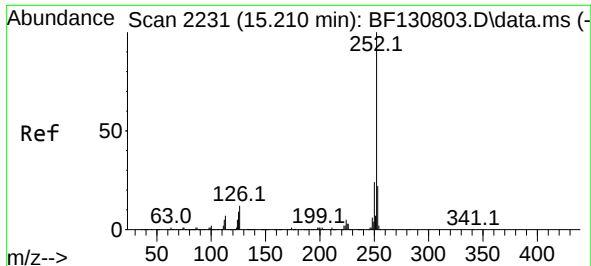
Delta R.T. -0.000 min

Lab File: BF130858.D

Acq: 29 Oct 2022 15:44

Tgt Ion:	276	Resp:	65618
Ion Ratio	Lower	Upper	
276	100		
138	19.9	19.1	28.7
277	25.8	20.1	30.1





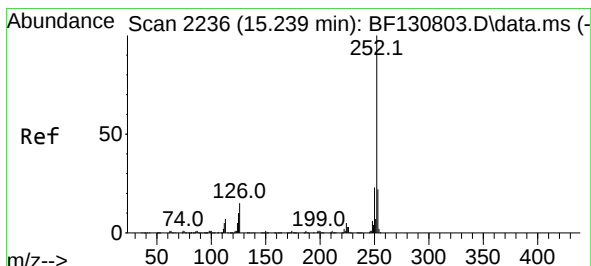
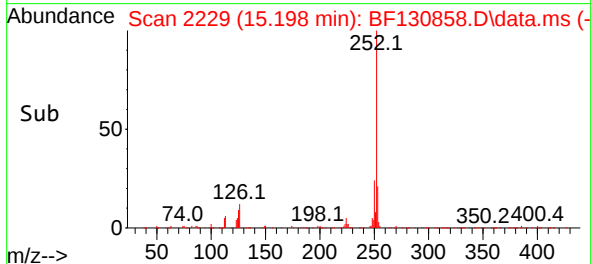
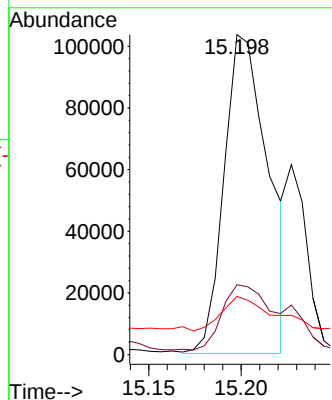
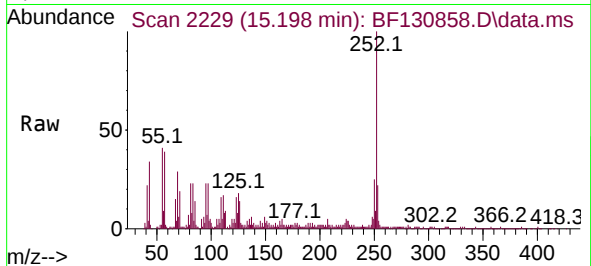
#88
Benzo(b)fluoranthene
Concen: 18.378 ng m
RT: 15.198 min Scan# 221
Delta R.T. -0.000 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

Instrument :
BNA_F
ClientSampleId :
TP6-1024

Tgt Ion:252 Resp: 17121
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 18.2 7.0 10.4

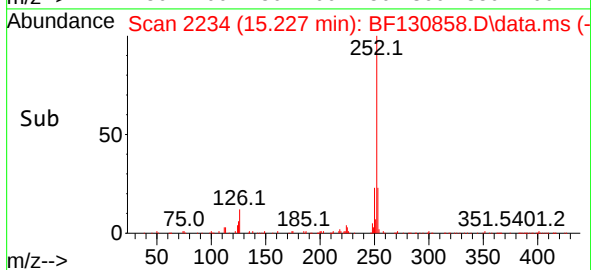
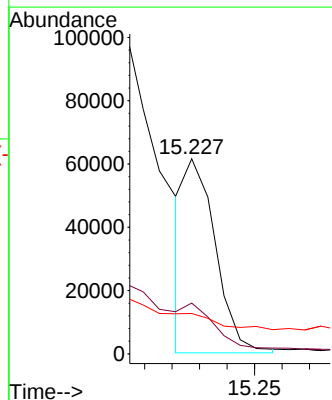
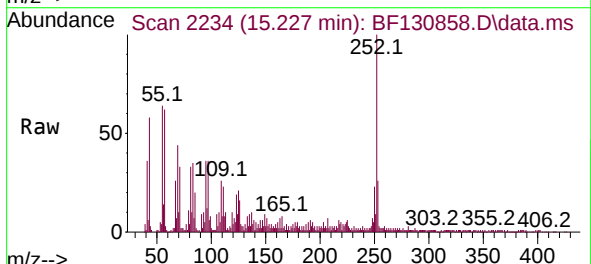
Manual Integrations
APPROVED

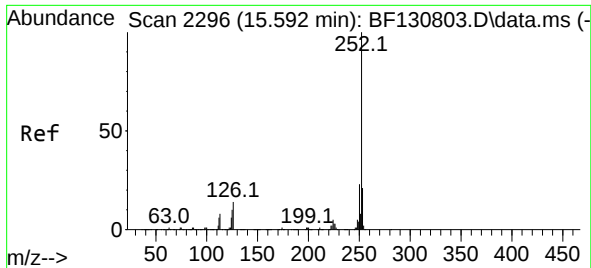
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#89
Benzo(k)fluoranthene
Concen: 5.258 ng m
RT: 15.227 min Scan# 2234
Delta R.T. -0.000 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

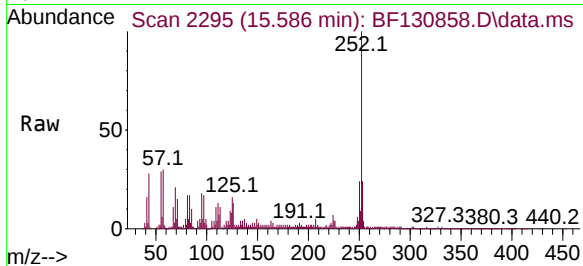
Tgt Ion:252 Resp: 47734
Ion Ratio Lower Upper
252 100
253 26.1 17.5 26.3
125 20.7 8.0 12.0





#90
Benzo(a)pyrene
Concen: 17.082 ng
RT: 15.586 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44

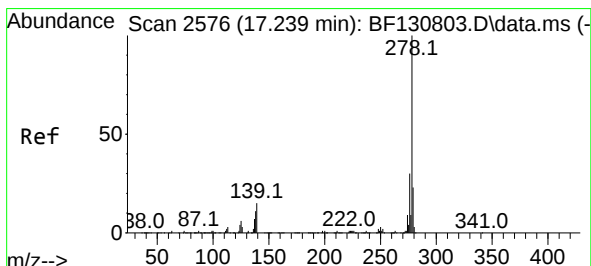
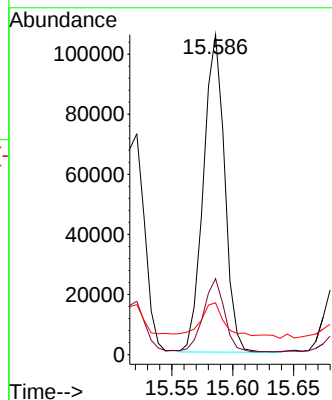
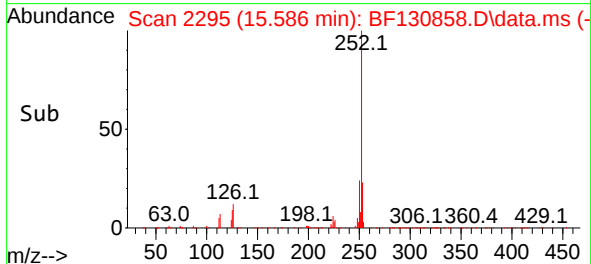
Instrument :
BNA_F
ClientSampleId :
TP6-1024



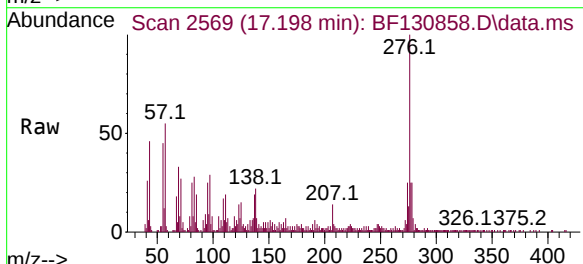
Tgt Ion:252 Resp: 127925
Ion Ratio Lower Upper
252 100
253 23.7 16.8 25.2
125 16.2 8.3 12.5

Manual Integrations
APPROVED

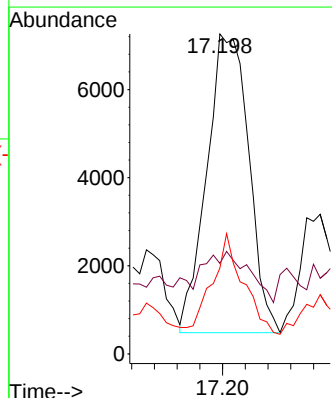
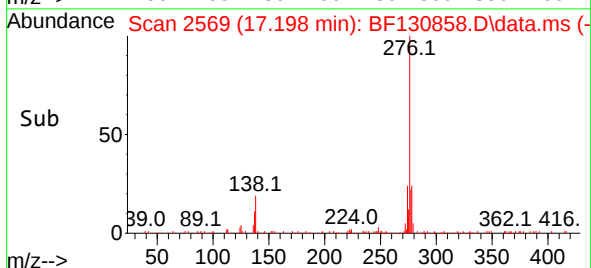
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

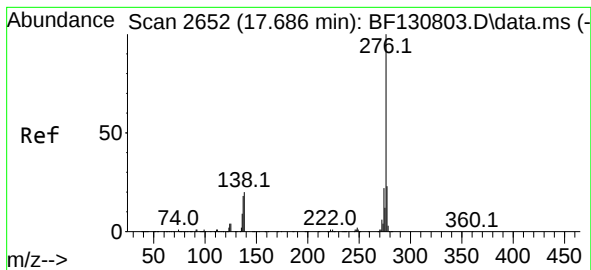


#91
Dibenzo(a,h)anthracene
Concen: 2.224 ng
RT: 17.198 min Scan# 2569
Delta R.T. -0.018 min
Lab File: BF130858.D
Acq: 29 Oct 2022 15:44



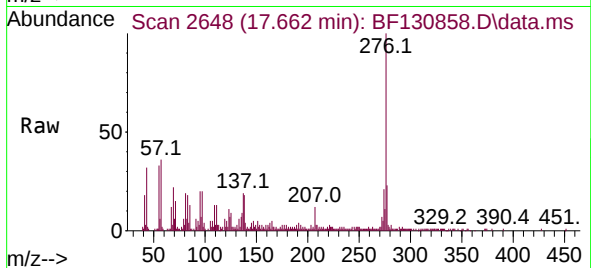
Tgt Ion:278 Resp: 17354
Ion Ratio Lower Upper
278 100
139 28.3 11.9 17.9#
279 26.8 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 8.630 ng
 RT: 17.662 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF130858.D
 Acq: 29 Oct 2022 15:44

Instrument :
 BNA_F
 ClientSampleId :
 TP6-1024



Tgt Ion: 276 Resp: 68686

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.8	28.2
138	17.7	16.3	24.5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/31/2022
 Supervised By : Jagrut Upadhyay 11/01/2022

