

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
 Data File : BF130698.D
 Acq On : 18 Oct 2022 15:09
 Operator : CG\JU
 Sample : N5141-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SV34211LDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/19/2022
 Supervised By : Jagrut Upadhyay 10/19/2022

Quant Time: Oct 18 16:25:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 18 03:15:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.575	152	100274	20.000	ng	0.00
21) Naphthalene-d8	7.857	136	381906	20.000	ng	0.00
39) Acenaphthene-d10	9.604	164	184556	20.000	ng	0.00
64) Phenanthrene-d10	11.086	188	257224	20.000	ng	0.00
76) Chrysene-d12	13.715	240	196388	20.000	ng	0.00
86) Perylene-d12	15.098	264	235690	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.187	112	31375	5.640	ng	0.02
7) Phenol-d6	6.239	99	22773	3.256	ng	0.01
23) Nitrobenzene-d5	7.139	82	58861	8.414	ng	-0.01
42) 2,4,6-Tribromophenol	10.404	330	18363	10.169	ng	0.00
45) 2-Fluorobiphenyl	8.933	172	111297	9.135	ng	0.00
79) Terphenyl-d14	12.668	244	61389	5.188	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.881	128	165921	8.393	ng	98
37) 2-Methylnaphthalene	8.569	142	530342	42.629	ng	100
38) 1-Methylnaphthalene	8.669	142	305077	25.261	ng	98
52) Acenaphthene	9.639	154	21626	2.179	ng	# 89
58) Fluorene	10.151	166	33928	2.730	ng	# 96
66) n-Nitrosodiphenylamine	10.263	169	46785	5.468	ng	# 63
71) Phenanthrene	11.110	178	126406	8.870	ng	98
72) Anthracene	11.157	178	46311m	3.327	ng	
75) Fluoranthene	12.292	202	99758	7.283	ng	98
78) Pyrene	12.521	202	119006	7.024	ng	98
81) Benzo(a)anthracene	13.710	228	88728	6.705	ng	97
83) Chrysene	13.745	228	94697	7.548	ng	98

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

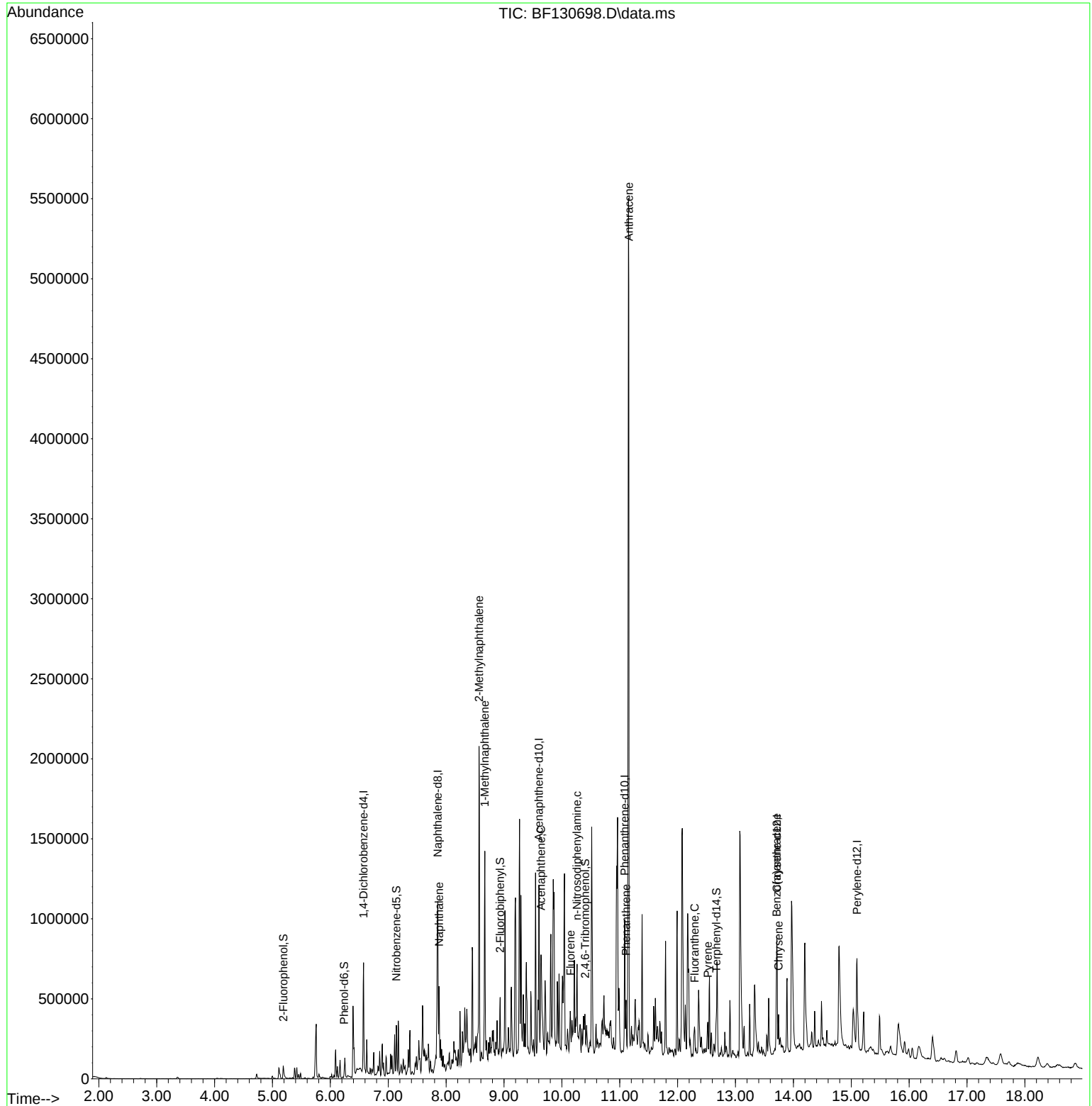
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
Data File : BF130698.D
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Misc :
ALS Vial : 6 Sample Multiplier: 1

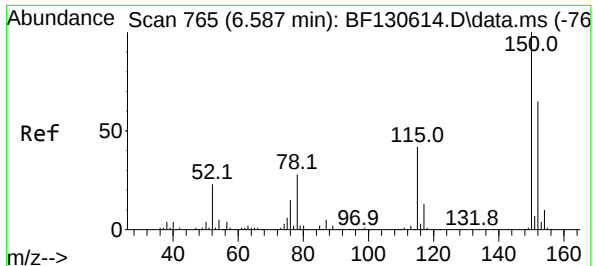
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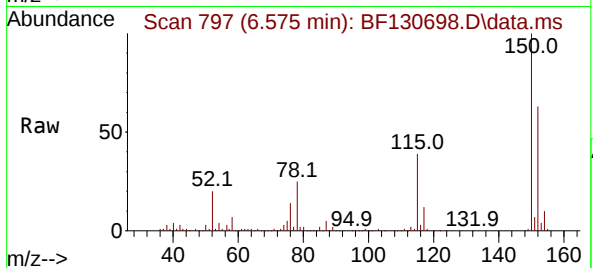
Quant Time: Oct 18 16:25:47 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 18 03:15:54 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.575 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09

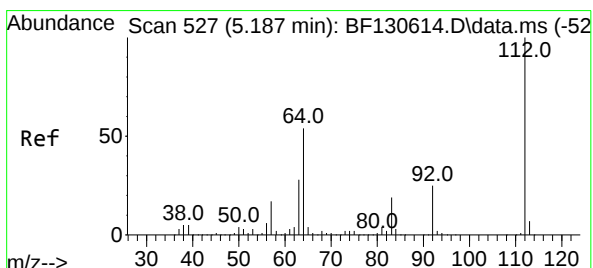
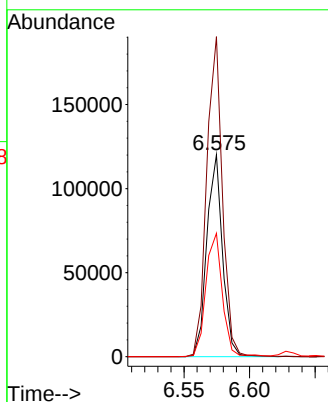
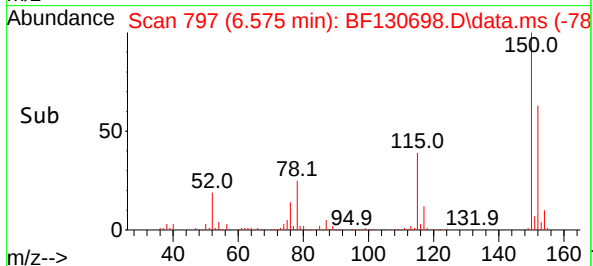
Instrument :
BNA_F
ClientSampleId :
SV34211LDL



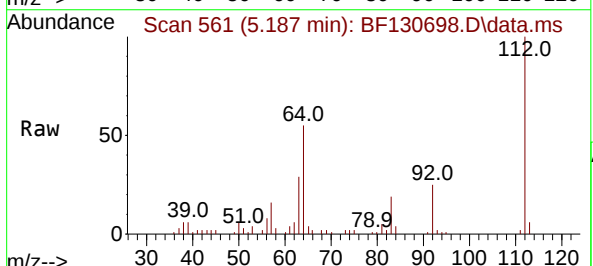
Tgt Ion:152 Resp: 100274
Ion Ratio Lower Upper
152 100
150 158.4 123.8 185.6
115 61.1 52.2 78.4

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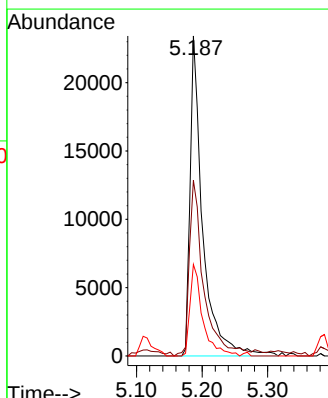
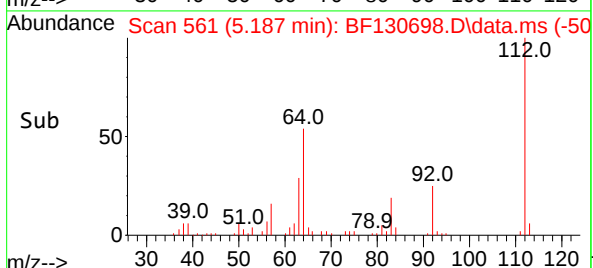
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022

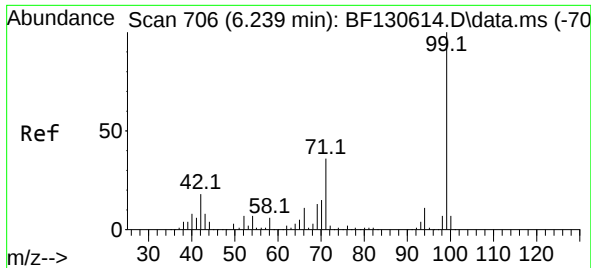


#5
2-Fluorophenol
Concen: 5.640 ng
RT: 5.187 min Scan# 561
Delta R.T. 0.018 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09



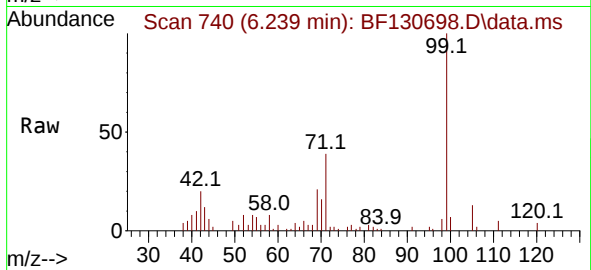
Tgt Ion:112 Resp: 31375
Ion Ratio Lower Upper
112 100
64 54.9 43.5 65.3
63 28.6 22.6 34.0





#7
Phenol-d6
Concen: 3.256 ng
RT: 6.239 min Scan# 706
Delta R.T. 0.012 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09

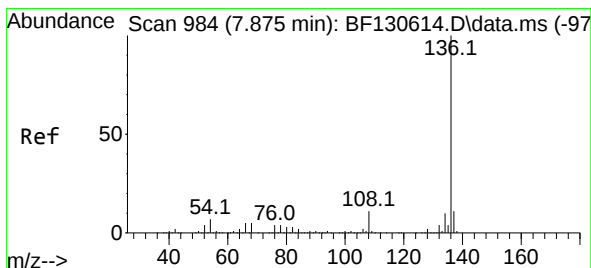
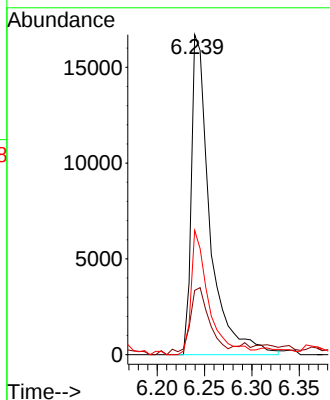
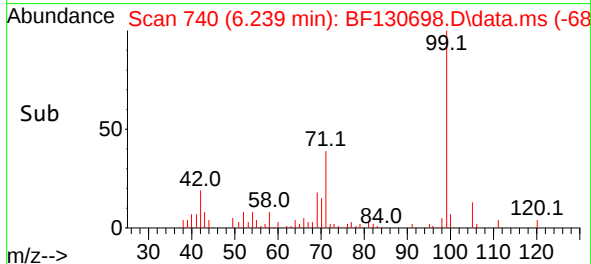
Instrument :
BNA_F
ClientSampleId :
SV34211LDL



Tgt Ion: 99 Resp: 2277
Ion Ratio Lower Upper
99 100
42 20.1 14.0 21.0
71 38.8 28.8 43.2

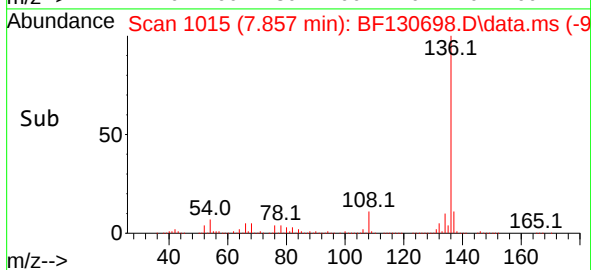
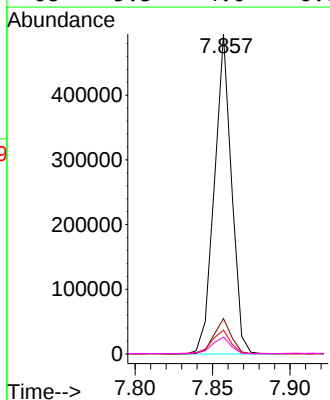
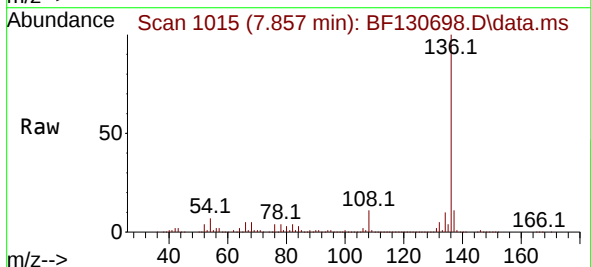
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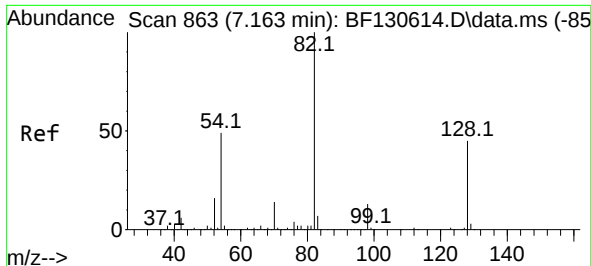
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.857 min Scan# 1015
Delta R.T. -0.000 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09

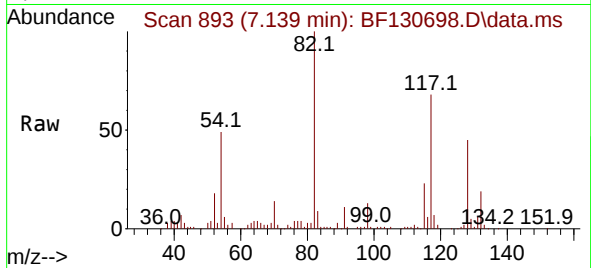
Tgt Ion:136 Resp: 381906
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.5 5.5 8.3
68 5.3 4.0 6.0





#23
Nitrobenzene-d5
Concen: 8.414 ng
RT: 7.139 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09

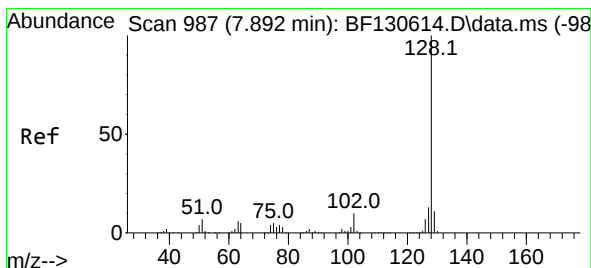
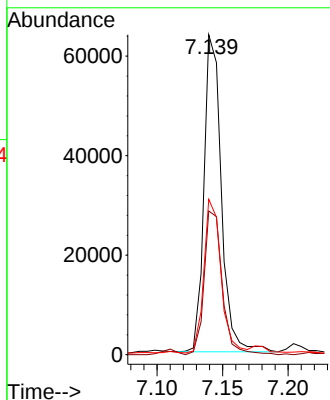
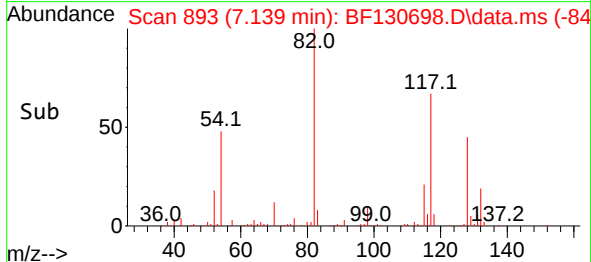
Instrument :
BNA_F
ClientSampleId :
SV34211LDL



Tgt Ion: 82 Resp: 5886
Ion Ratio Lower Upper
82 100
128 44.9 35.8 53.6
54 48.5 39.3 58.9

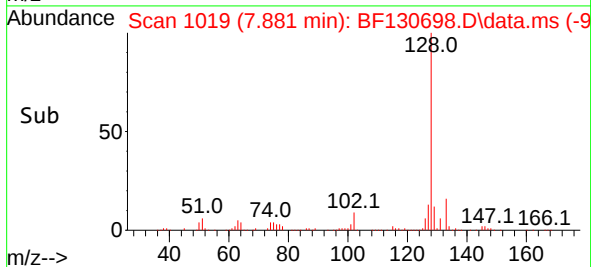
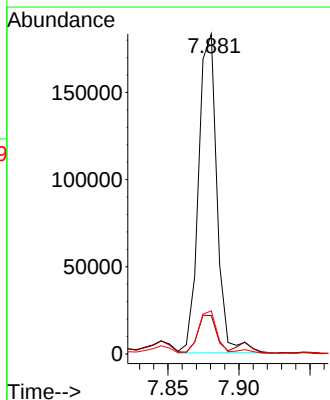
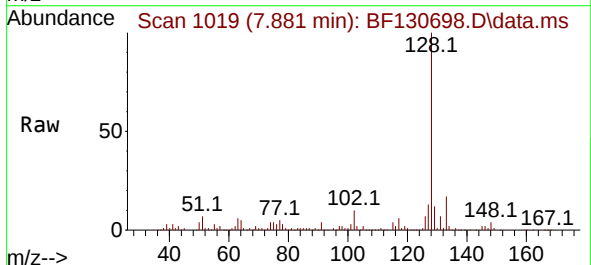
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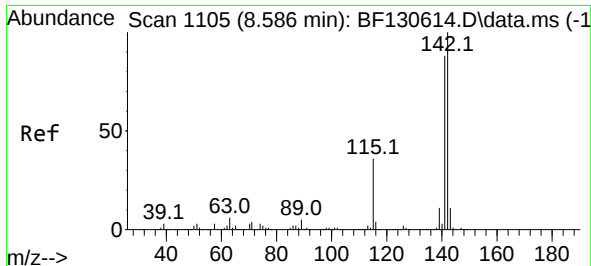
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022



#31
Naphthalene
Concen: 8.393 ng
RT: 7.881 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09

Tgt Ion:128 Resp: 165921
Ion Ratio Lower Upper
128 100
129 12.0 9.0 13.4
127 13.5 10.3 15.5





#37

2-Methylnaphthalene

Concen: 42.629 ng

RT: 8.569 min Scan# 1113

Delta R.T. -0.000 min

Lab File: BF130698.D

Acq: 18 Oct 2022 15:09

Instrument :

BNA_F

ClientSampleId :

SV34211LDL

Tgt Ion:142 Resp: 53034

Ion Ratio Lower Upper

142 100

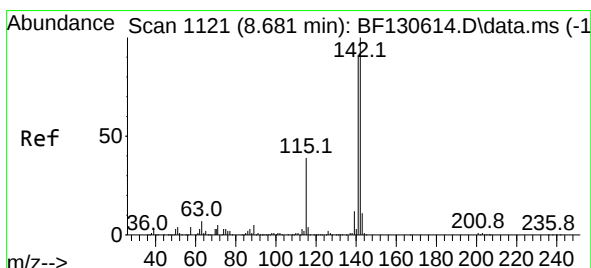
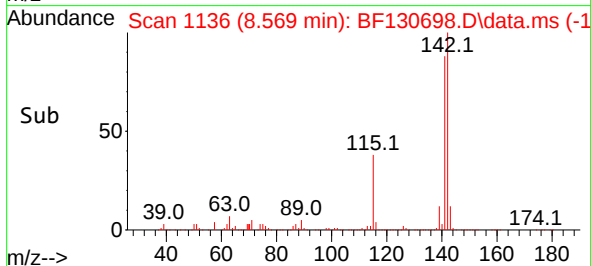
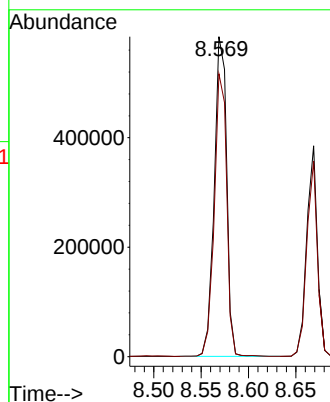
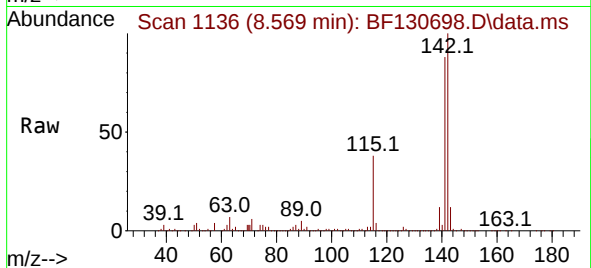
141 88.4 70.7 106.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/19/2022



#38

1-Methylnaphthalene

Concen: 25.261 ng

RT: 8.669 min Scan# 1153

Delta R.T. -0.000 min

Lab File: BF130698.D

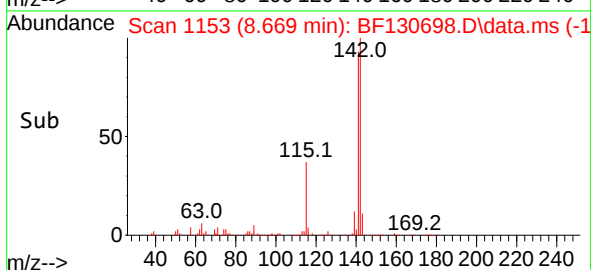
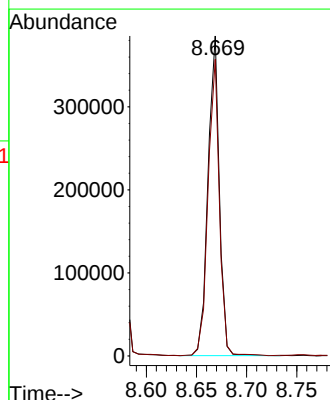
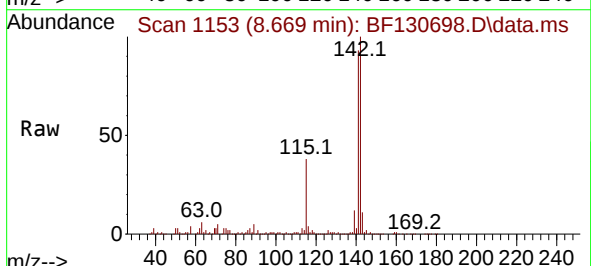
Acq: 18 Oct 2022 15:09

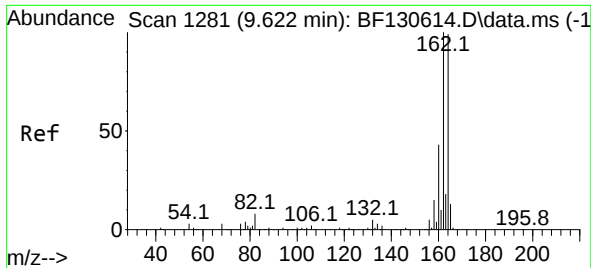
Tgt Ion:142 Resp: 305077

Ion Ratio Lower Upper

142 100

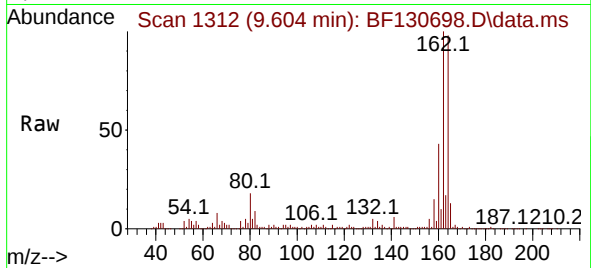
141 92.7 72.6 108.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09

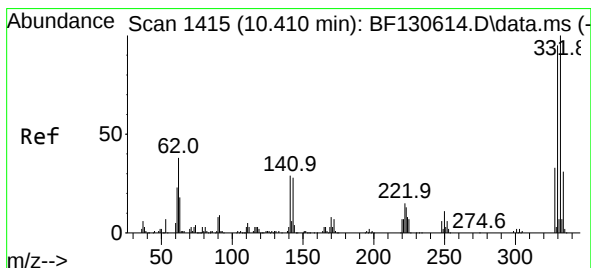
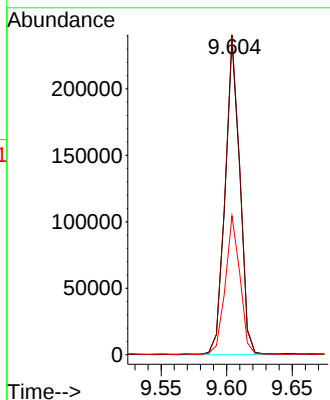
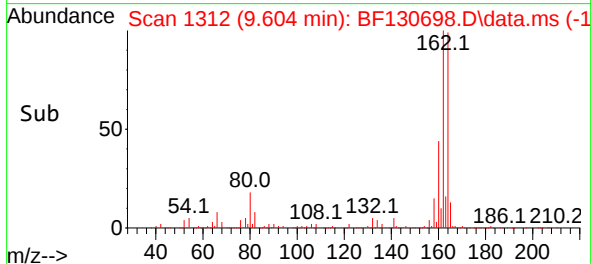
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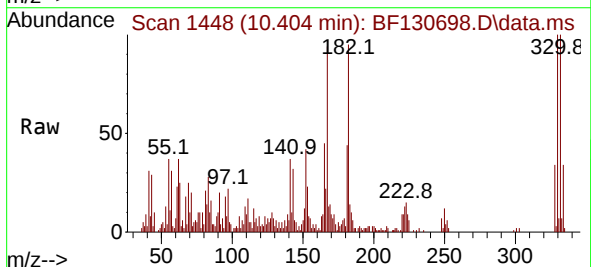
Tgt Ion:164 Resp: 184550
Ion Ratio Lower Upper
164 100
162 101.8 81.0 121.4
160 44.2 34.5 51.7

Manual Integrations
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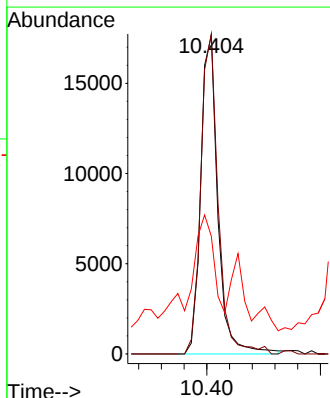
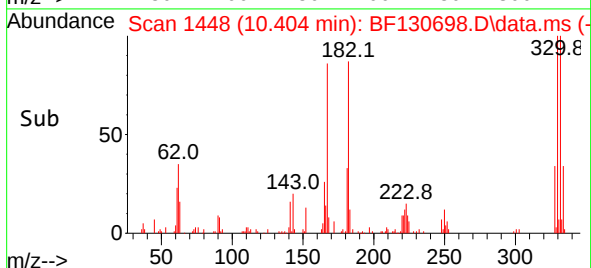
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022

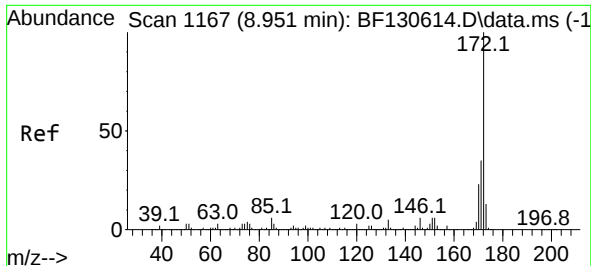


#42
2,4,6-Tribromophenol
Concen: 10.169 ng
RT: 10.404 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09



Tgt Ion:330 Resp: 18363
Ion Ratio Lower Upper
330 100
332 102.3 84.2 126.4
141 40.6 26.8 40.2#





#45

2-Fluorobiphenyl

Concen: 9.135 ng

RT: 8.933 min Scan# 11129

Delta R.T. -0.006 min

Lab File: BF130698.D

Acq: 18 Oct 2022 15:09

Instrument :

BNA_F

ClientSampleId :

SV34211LDL

Tgt Ion:172 Resp: 11129

Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.8

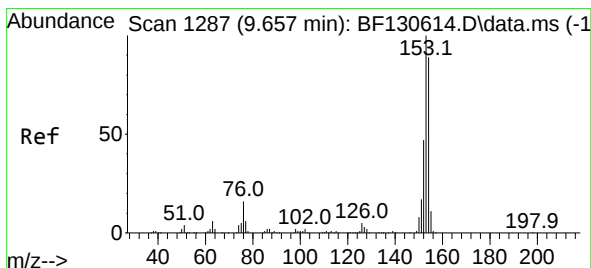
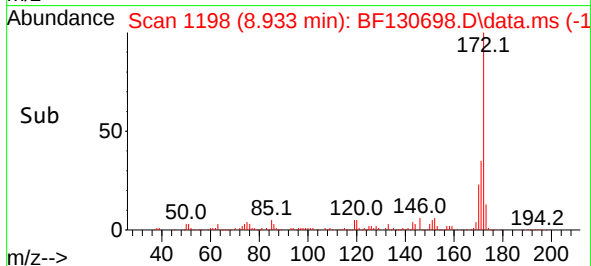
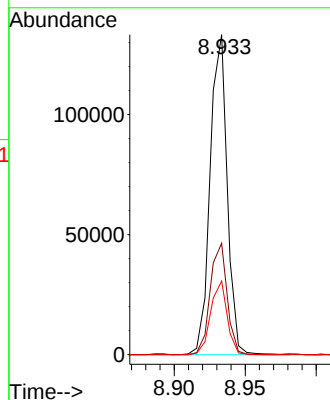
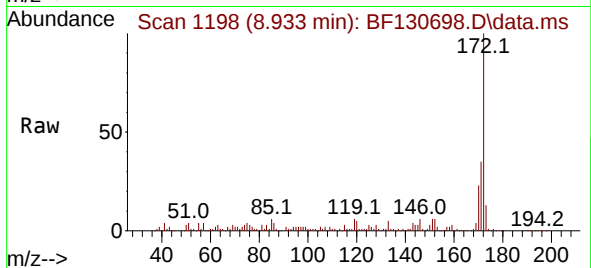
170 23.0 18.6 27.8

Manual Integrations

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Reviewed By :Christian Giraldo 10/19/2022

Supervised By :Jagrut Upadhyay 10/19/2022



#52

Acenaphthene

Concen: 2.179 ng

RT: 9.639 min Scan# 1318

Delta R.T. -0.000 min

Lab File: BF130698.D

Acq: 18 Oct 2022 15:09

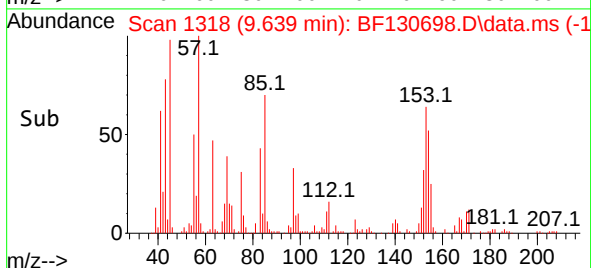
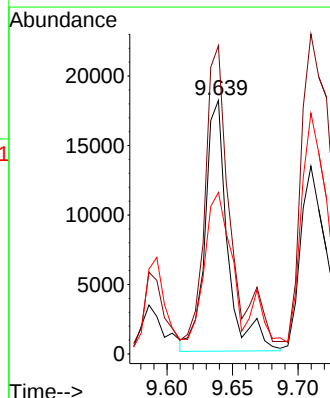
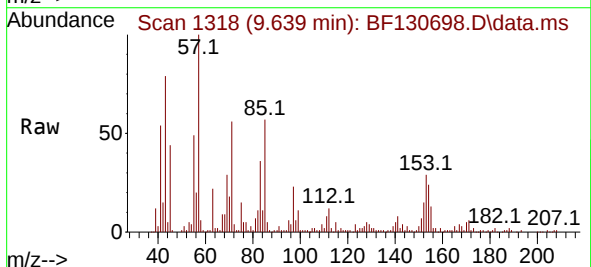
Tgt Ion:154 Resp: 21626

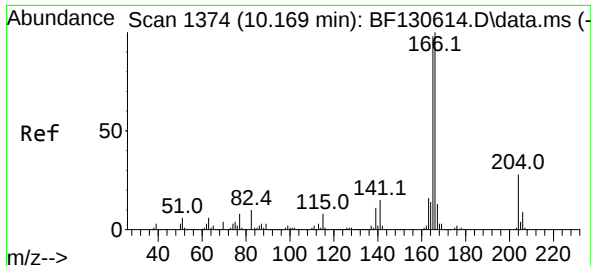
Ion Ratio Lower Upper

154 100

153 121.6 89.6 134.4

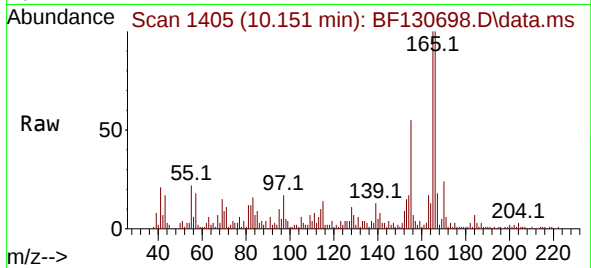
152 63.7 42.4 63.6#





#58
Fluorene
Concen: 2.730 ng
RT: 10.151 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09

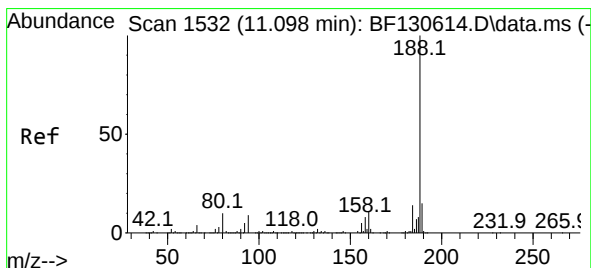
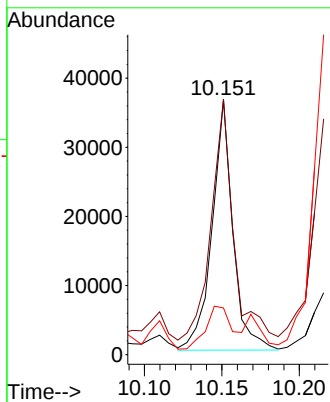
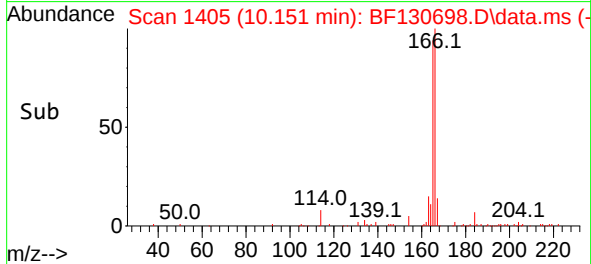
Instrument :
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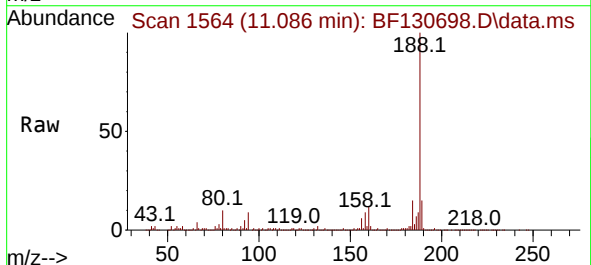
Tgt Ion:166 Resp: 33928
Ion Ratio Lower Upper
166 100
165 100.2 78.2 117.4
167 18.3 10.8 16.2

Manual Integrations
APPROVED

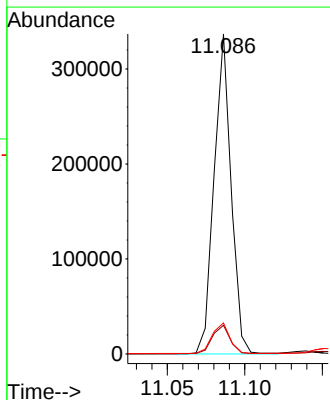
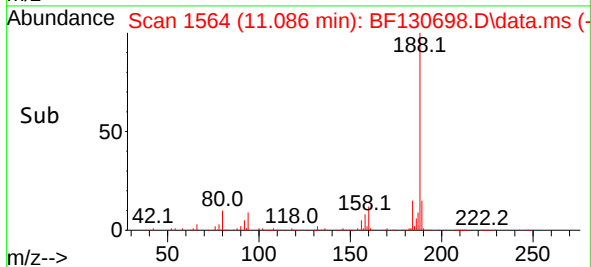
Reviewed By :Christian Giraldo 10/19/2022
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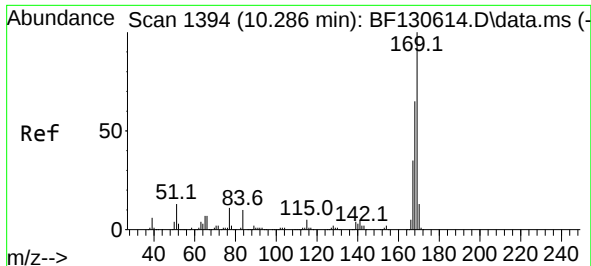


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.086 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09



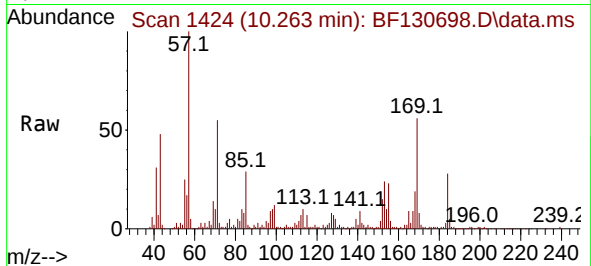
Tgt Ion:188 Resp: 257224
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.2
80 9.7 8.0 12.0





#66
n-Nitrosodiphenylamine
Concen: 5.468 ng
RT: 10.263 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09

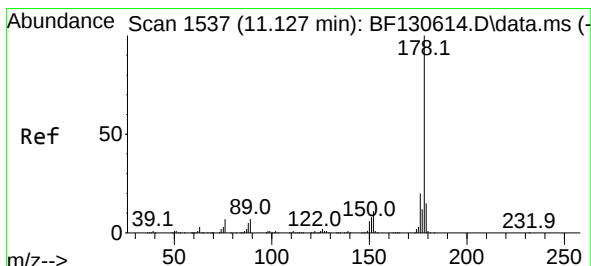
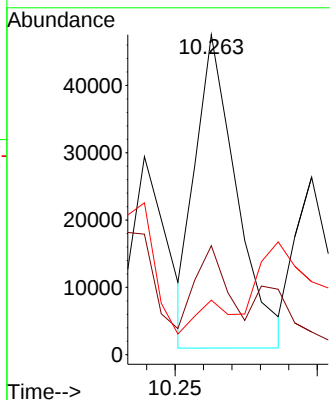
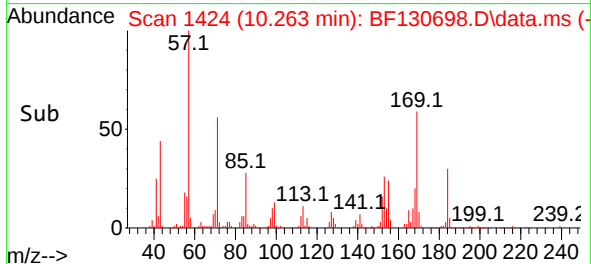
Instrument :
BNA_F
ClientSampleId :
SV34211LDL



Tgt Ion:169 Resp: 46785
Ion Ratio Lower Upper
169 100
168 34.0 52.2 78.4
167 17.0 28.3 42.5

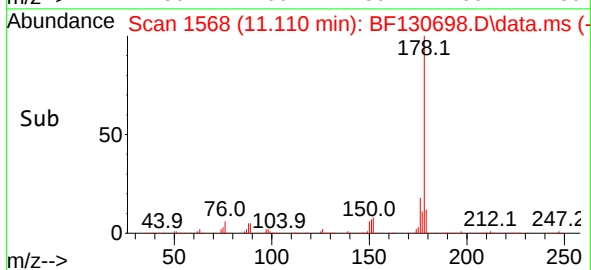
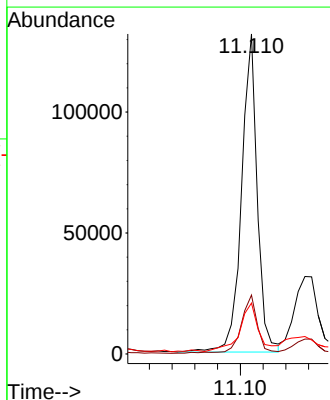
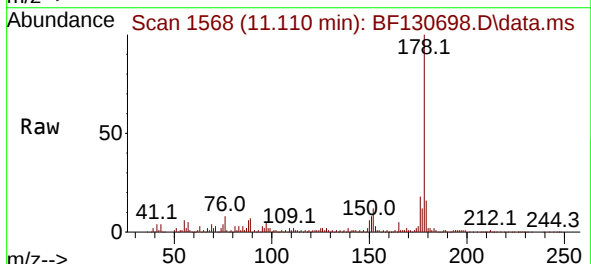
Manual Integrations
APPROVED

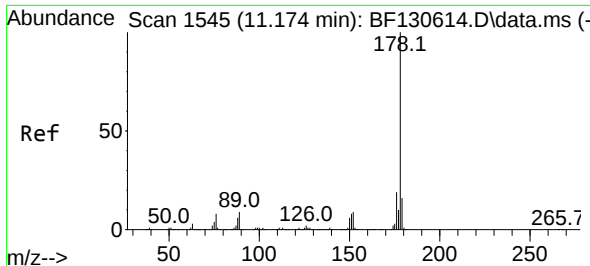
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022



#71
Phenanthrene
Concen: 8.870 ng
RT: 11.110 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09

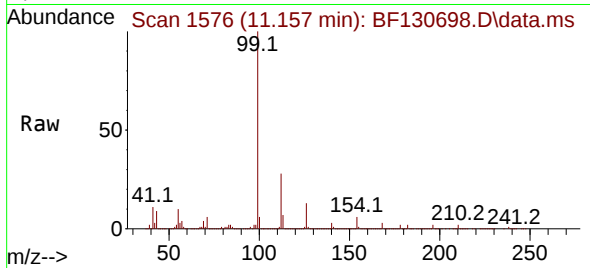
Tgt Ion:178 Resp: 126406
Ion Ratio Lower Upper
178 100
176 18.4 15.7 23.5
179 15.9 12.2 18.4





#72
 Anthracene
 Concen: 3.327 ng m
 RT: 11.157 min Scan# 1769
 Delta R.T. -0.006 min
 Lab File: BF130698.D
 Acq: 18 Oct 2022 15:09

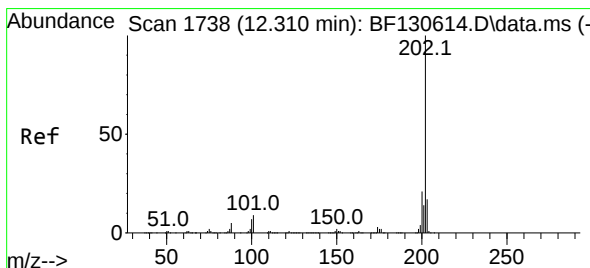
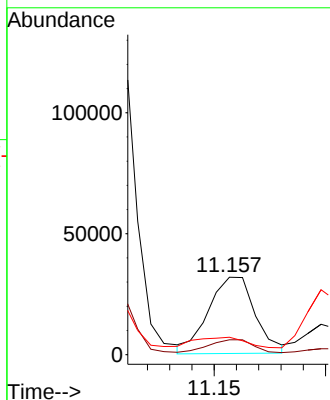
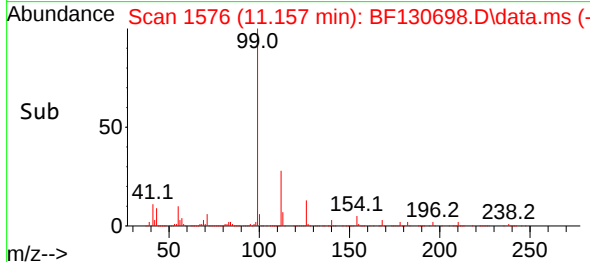
Instrument :
 BNA_F
 ClientSampleId :
 SV34211LDL



Tgt Ion:178 Resp: 4631
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.4
 179 22.5 12.5 18.7

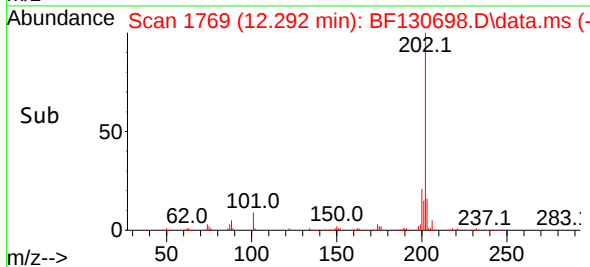
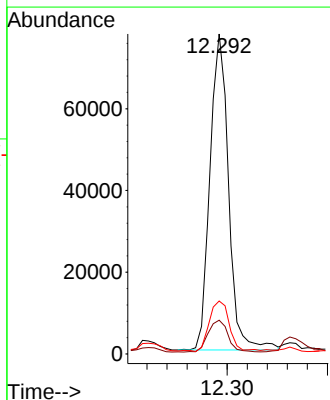
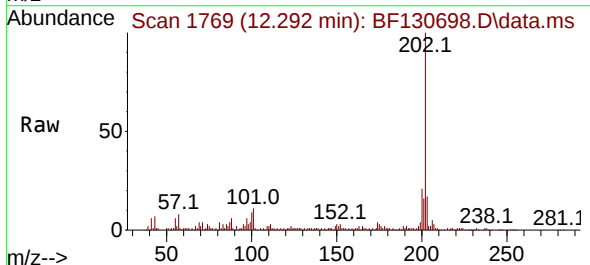
Manual Integrations
 APPROVED

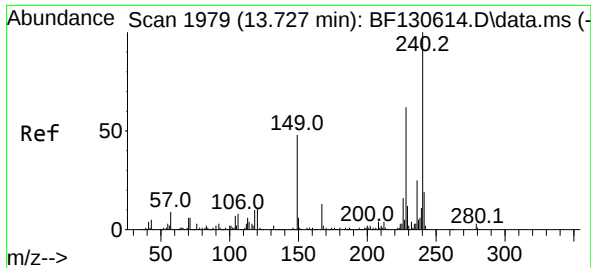
Reviewed By :Christian Giraldo 10/19/2022
 Supervised By :Jagrut Upadhyay 10/19/2022



#75
 Fluoranthene
 Concen: 7.283 ng
 RT: 12.292 min Scan# 1769
 Delta R.T. -0.006 min
 Lab File: BF130698.D
 Acq: 18 Oct 2022 15:09

Tgt Ion:202 Resp: 99758
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 29.1
 203 16.6 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.715 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09

Instrument :

BNA_F

ClientSampleId :

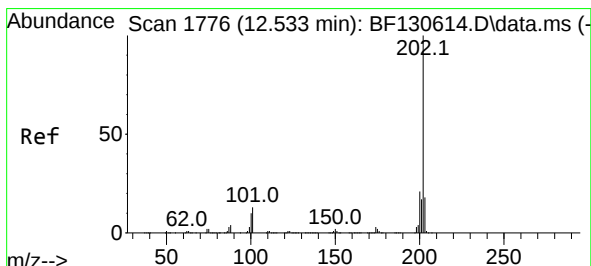
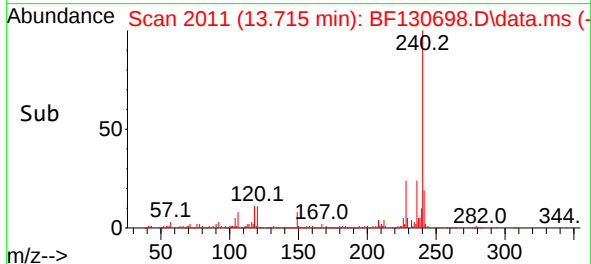
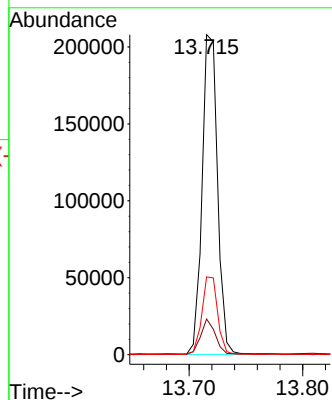
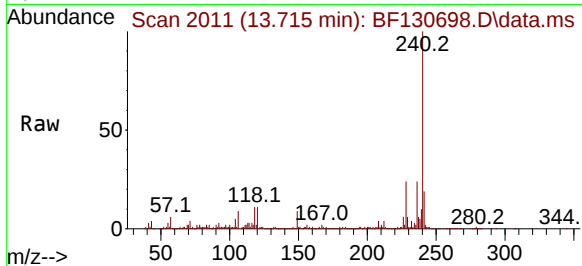
SV34211LDL

Tgt Ion:240 Resp: 19638
Ion Ratio Lower Upper
240 100
120 11.2 8.6 13.0
236 24.3 20.2 30.4

Manual Integrations

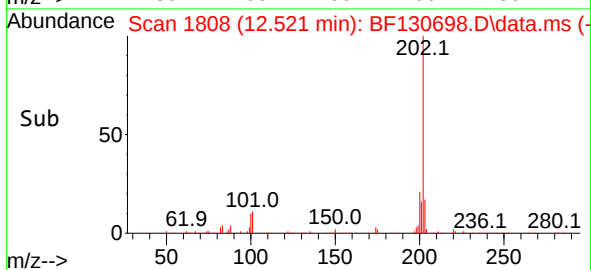
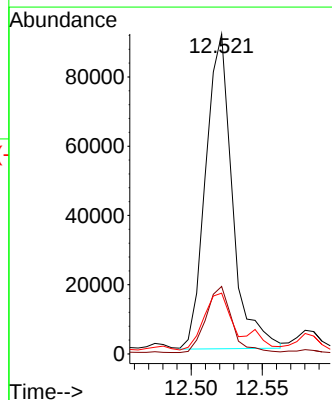
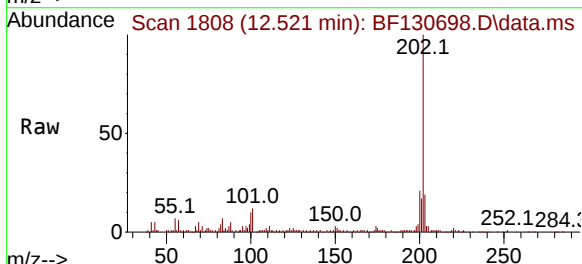
APPROVED

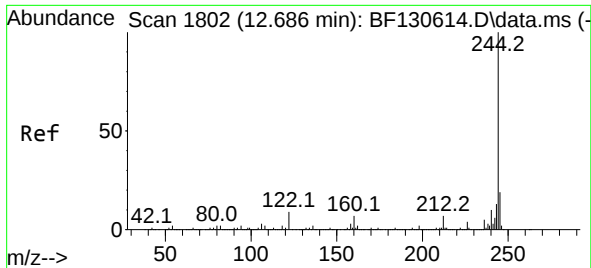
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022



#78
Pyrene
Concen: 7.024 ng
RT: 12.521 min Scan# 1808
Delta R.T. -0.000 min
Lab File: BF130698.D
Acq: 18 Oct 2022 15:09

Tgt Ion:202 Resp: 119006
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 19.0 14.0 21.0





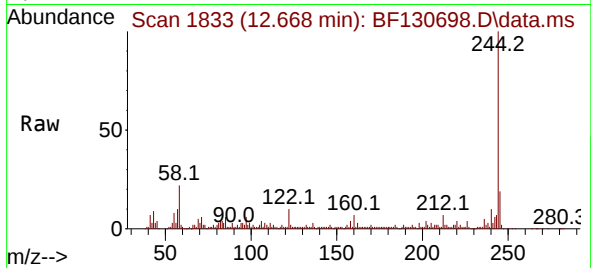
#79
 Terphenyl-d14
 Concen: 5.188 ng
 RT: 12.668 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF130698.D
 Acq: 18 Oct 2022 15:09

Instrument :

BNA_F

ClientSampleId :

SV34211LDL

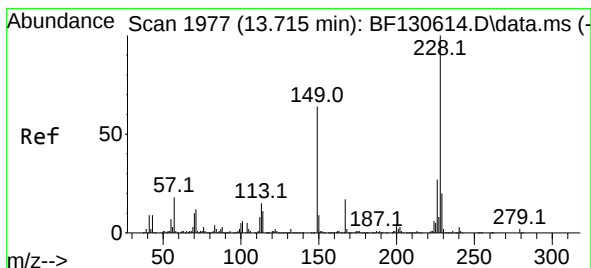
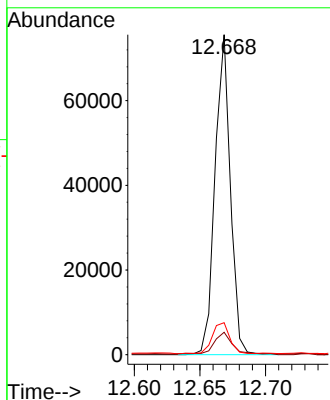
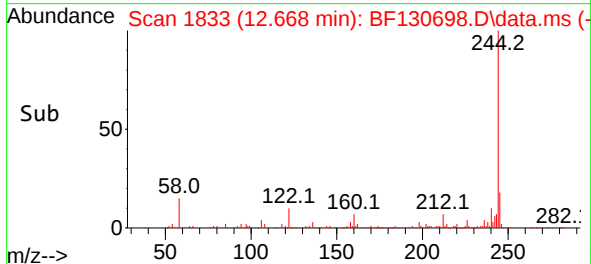


Tgt Ion:244 Resp: 61389
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 10.0 7.5 11.3

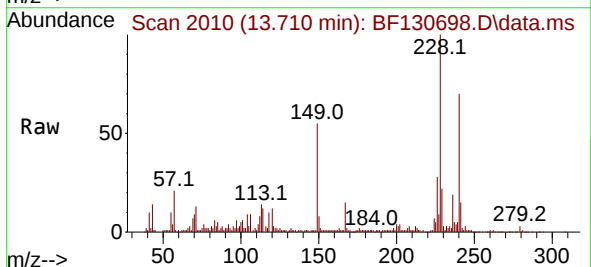
Manual Integrations

APPROVED

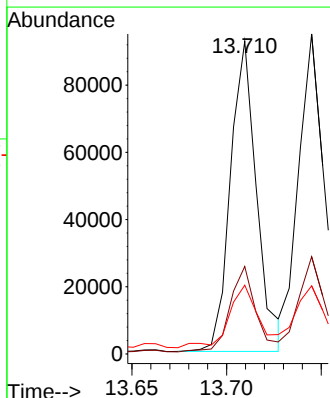
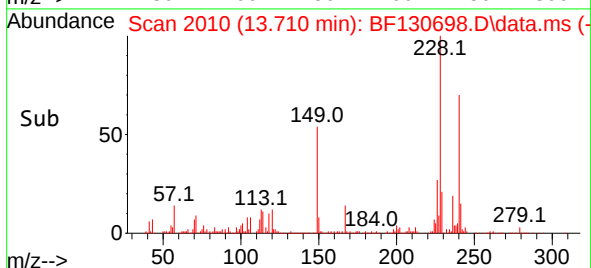
Reviewed By :Christian Giraldo 10/19/2022
 Supervised By :Jagrut Upadhyay 10/19/2022

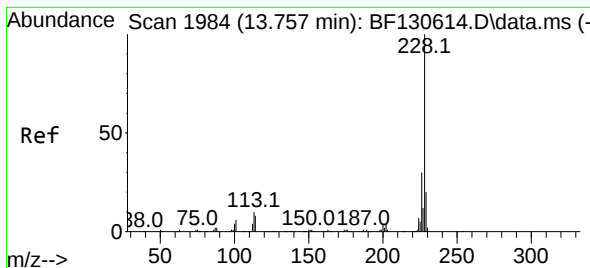


#81
 Benzo(a)anthracene
 Concen: 6.705 ng
 RT: 13.710 min Scan# 2010
 Delta R.T. -0.000 min
 Lab File: BF130698.D
 Acq: 18 Oct 2022 15:09



Tgt Ion:228 Resp: 88728
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.4 32.2
 229 22.0 15.8 23.8





#83

Chrysene

Concen: 7.548 ng

RT: 13.745 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF130698.D

Acq: 18 Oct 2022 15:09

Instrument :

BNA_F

ClientSampleId :

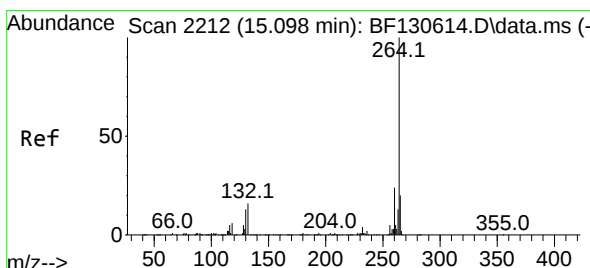
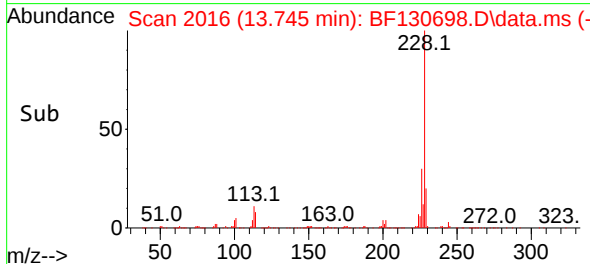
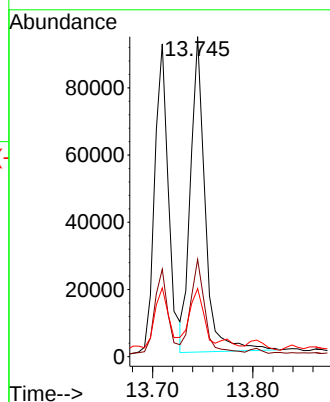
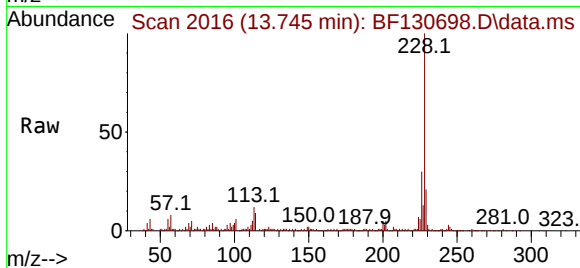
SV34211LDL

Tgt Ion:	228	Resp:	9469
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.9	35.9
229	21.3	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.098 min Scan# 2246

Delta R.T. 0.012 min

Lab File: BF130698.D

Acq: 18 Oct 2022 15:09

Tgt Ion:	264	Resp:	235690
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.1	28.7
265	21.8	16.4	24.6

