

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091622\
 Data File : BF130306.D
 Acq On : 16 Sep 2022 23:34
 Operator : CG\JU
 Sample : N4648-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N48854-1040

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/19/2022
 Supervised By : Jagrut Upadhyay 09/19/2022

Quant Time: Sep 17 03:32:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 17 03:22:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	84499	20.000	ng	0.00
21) Naphthalene-d8	7.981	136	274072	20.000	ng	0.03
39) Acenaphthene-d10	9.710	164	130007	20.000	ng	0.00
64) Phenanthrene-d10	11.180	188	179118	20.000	ng	0.00
76) Chrysene-d12	13.810	240	175610	20.000	ng	0.00
86) Perylene-d12	15.198	264	203293	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.263	112	254462	52.232	ng	0.00
7) Phenol-d6	6.322	99	195738	32.111	ng	0.02
23) Nitrobenzene-d5	7.263	82	478294	89.157	ng	0.02
42) 2,4,6-Tribromophenol	10.492	330	122868	98.633	ng	0.00
45) 2-Fluorobiphenyl	9.045	172	740661	82.960	ng	0.01
79) Terphenyl-d14	12.768	244	478929	45.176	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.345	94	3029516	424.090	ng	94
17) 2-Methylphenol	6.981	107	5889048	1305.401	ng	95
20) 3+4-Methylphenols	7.163	107	7257134	1238.330	ng	# 51
27) 2,4-Dimethylphenol	7.698	122	8151329	2370.787	ng	# 83
31) Naphthalene	8.004	128	1268452	89.835	ng	100
37) 2-Methylnaphthalene	8.686	142	23124	2.569	ng	91
38) 1-Methylnaphthalene	8.786	142	38469	4.448	ng	93
52) Acenaphthene	9.739	154	20719	2.678	ng	95
55) Dibenzofuran	9.910	168	28942	2.689	ng	97
58) Fluorene	10.251	166	23946	2.721	ng	# 95
73) Carbazole	11.416	167	110426	12.608	ng	99
77) Benzidine	12.539	184	51094m	10.023	ng	

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

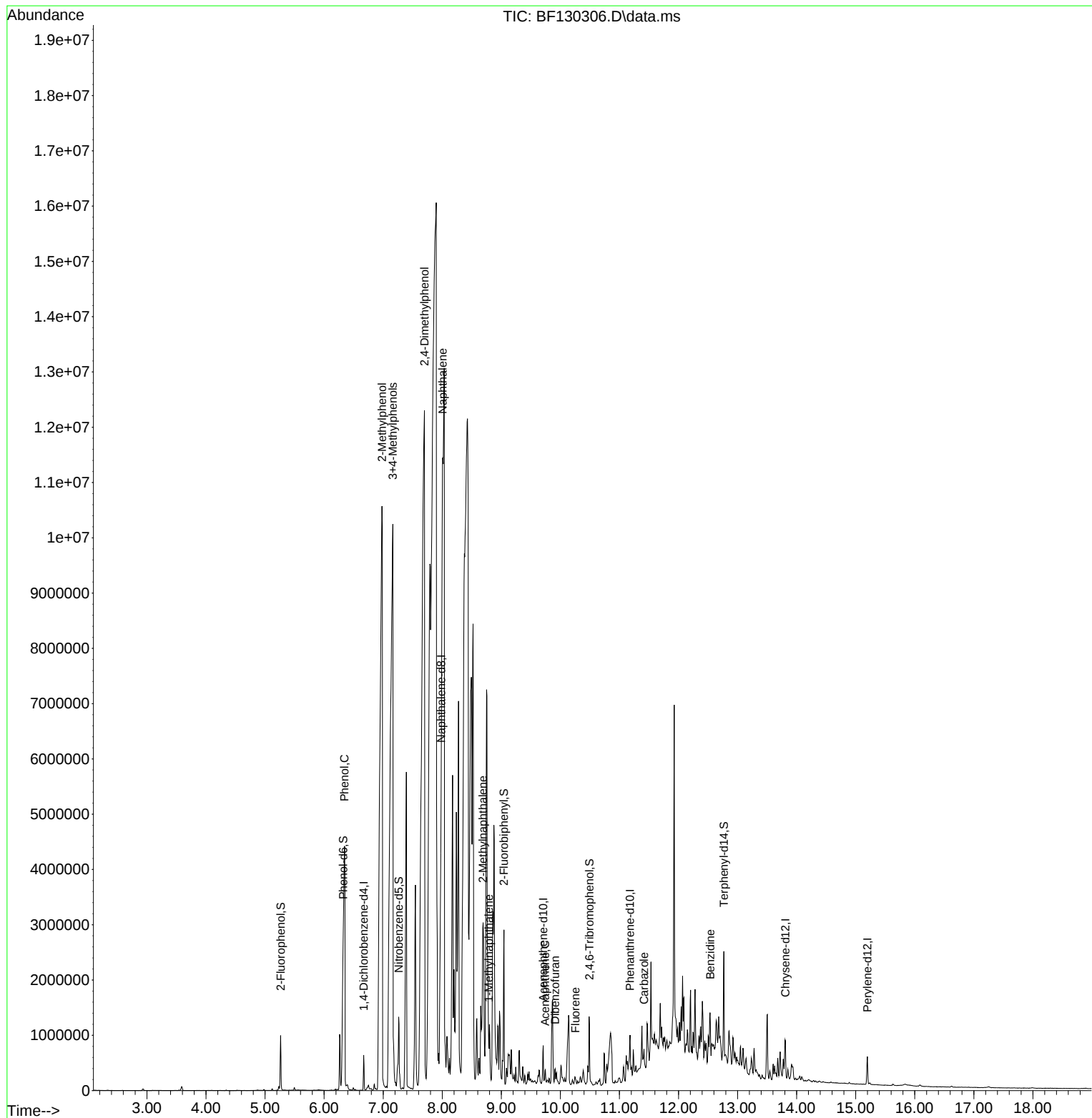
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091622\
Data File : BF130306.D
Acq On : 16 Sep 2022 23:34
Operator : CG\JU
Sample : N4648-01
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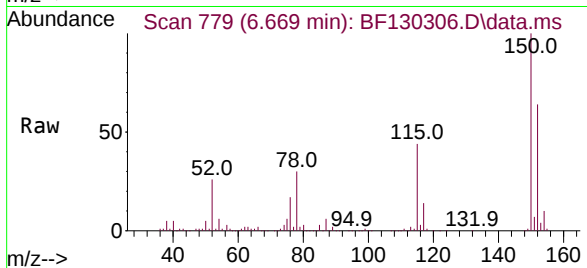
Quant Time: Sep 17 03:32:11 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 17 03:22:32 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.669 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

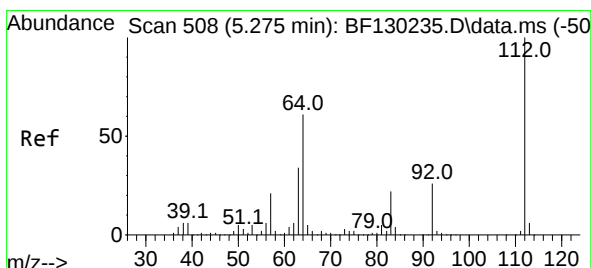
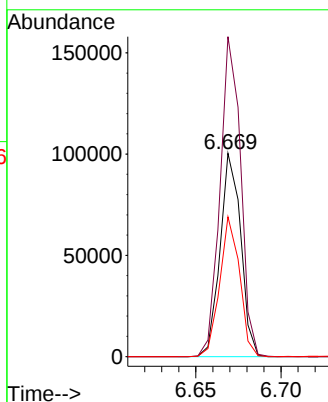
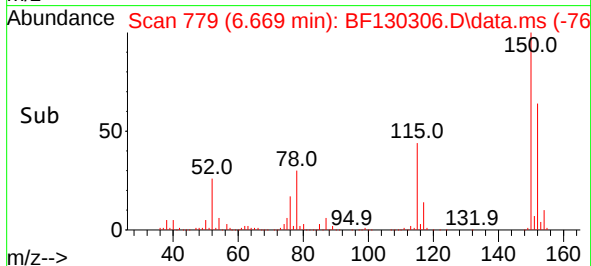
Instrument :
BNA_F
ClientSampleId :
N48854-1040



Tgt Ion:152 Resp: 84499
Ion Ratio Lower Upper
152 100
150 157.4 122.8 184.2
115 68.8 53.8 80.8

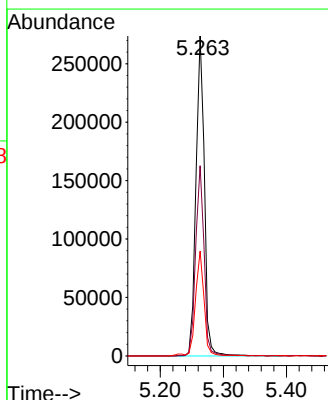
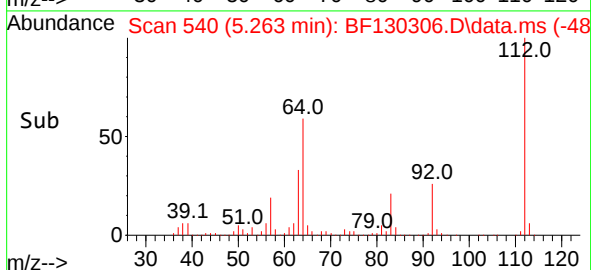
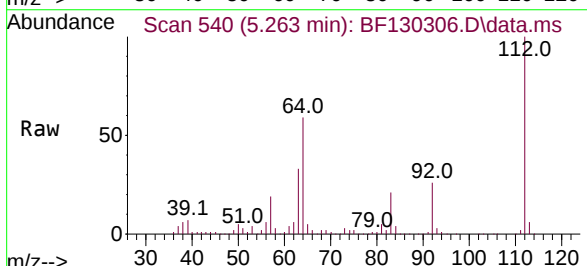
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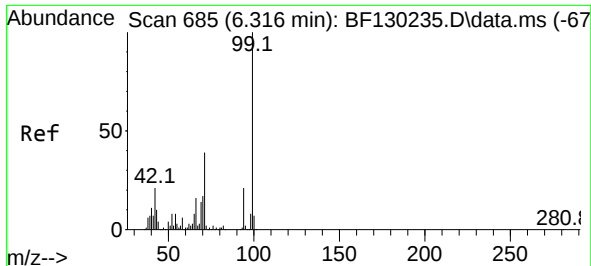
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#5
2-Fluorophenol
Concen: 52.232 ng
RT: 5.263 min Scan# 540
Delta R.T. 0.000 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

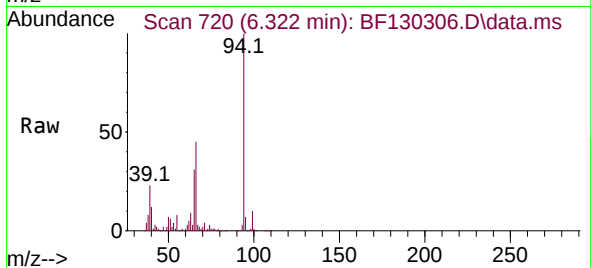
Tgt Ion:112 Resp: 254462
Ion Ratio Lower Upper
112 100
64 59.4 51.4 77.0
63 32.7 28.8 43.2





#7
Phenol-d6
Concen: 32.111 ng
RT: 6.322 min Scan# 71
Delta R.T. 0.018 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

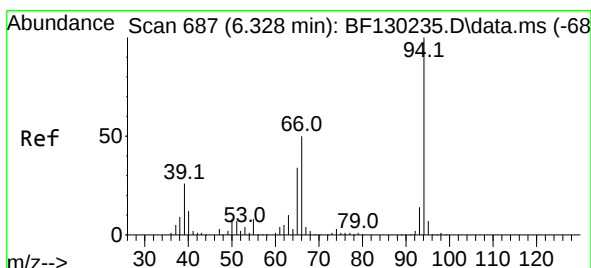
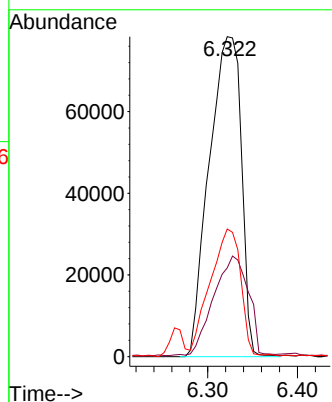
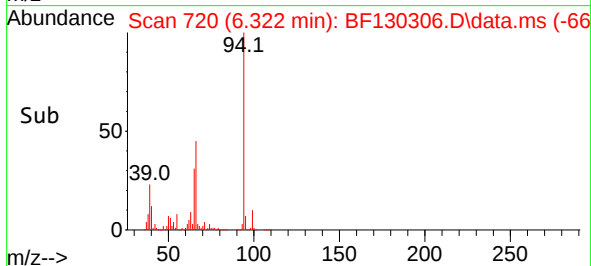
Instrument :
BNA_F
Client Sample Id :
N48854-1040



Tgt Ion: 99 Resp: 195738
Ion Ratio Lower Upper
99 100
42 27.7 17.0 25.6
71 39.9 32.3 48.5

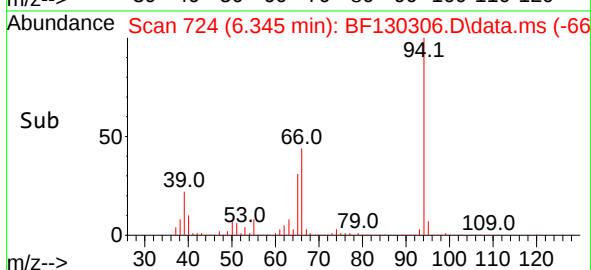
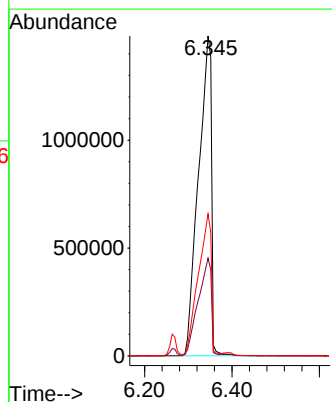
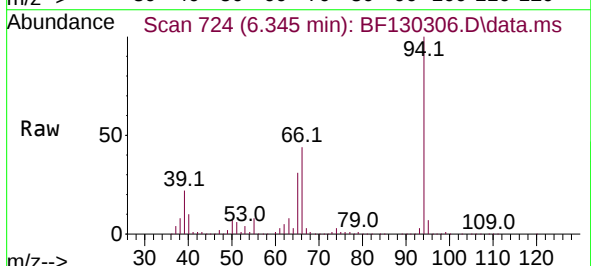
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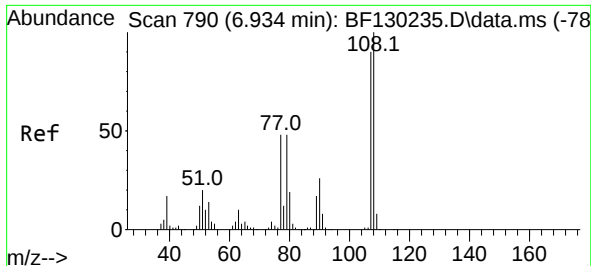
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#10
Phenol
Concen: 424.090 ng
RT: 6.345 min Scan# 724
Delta R.T. 0.024 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

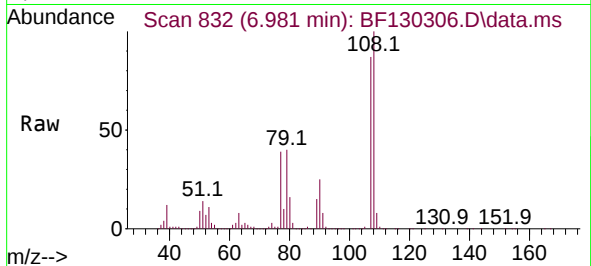
Tgt Ion: 94 Resp: 3029516
Ion Ratio Lower Upper
94 100
65 30.5 14.1 54.1
66 44.3 28.1 68.1





#17
2-Methylphenol
Concen: 1305.401 ng
RT: 6.981 min Scan# 81
Delta R.T. 0.053 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

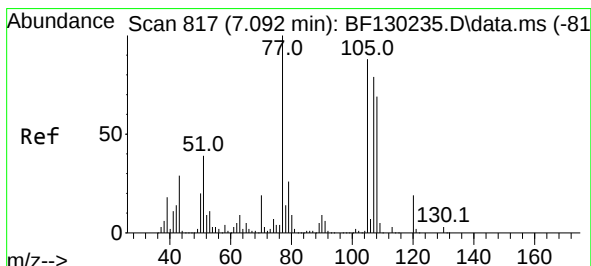
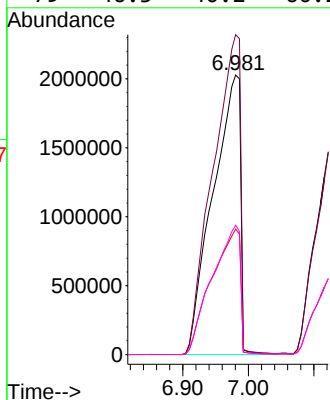
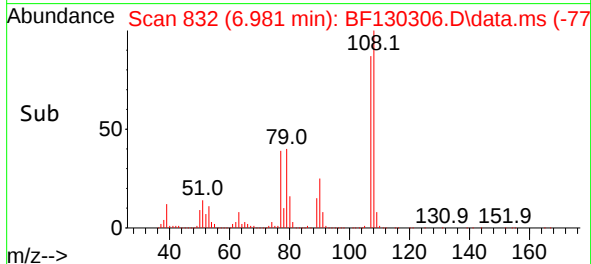
Instrument :
BNA_F
ClientSampleId :
N48854-1040



Tgt Ion:107 Resp: 5889048
Ion Ratio Lower Upper
107 100
108 114.4 89.4 134.0
77 44.9 40.6 60.8
79 46.3 40.2 60.2

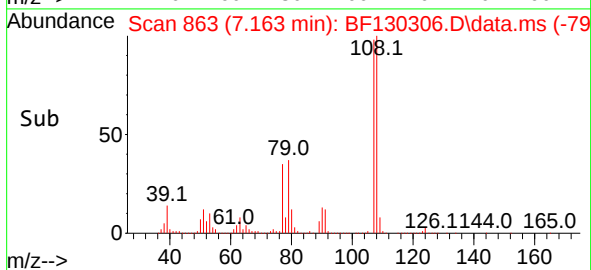
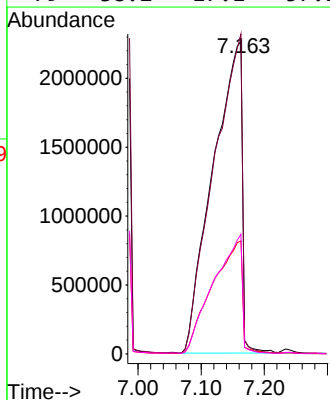
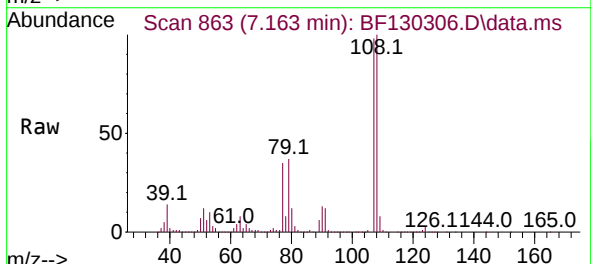
Manual Integrations
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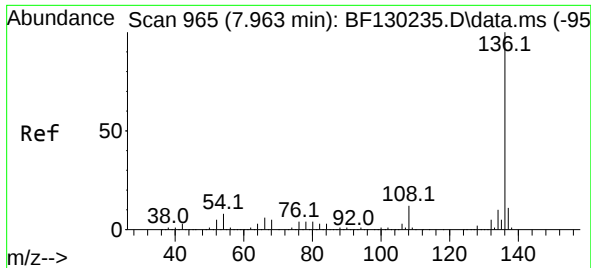
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#20
3+4-Methylphenols
Concen: 1238.330 ng
RT: 7.163 min Scan# 863
Delta R.T. 0.077 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

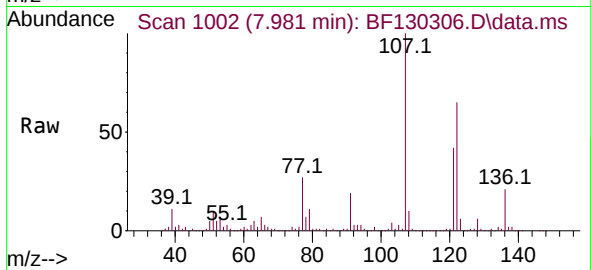
Tgt Ion:107 Resp: 7257134
Ion Ratio Lower Upper
107 100
108 102.3 74.8 114.8
77 36.1 125.8 165.8#
79 38.2 17.1 57.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.981 min Scan# 10
Delta R.T. 0.029 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

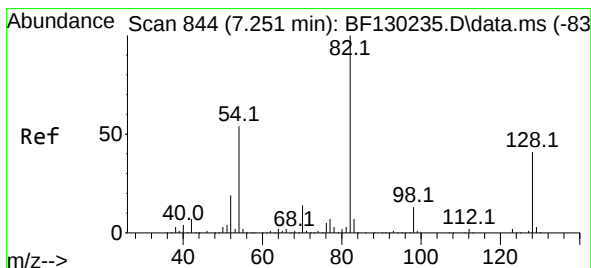
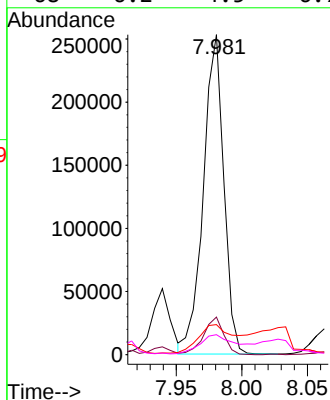
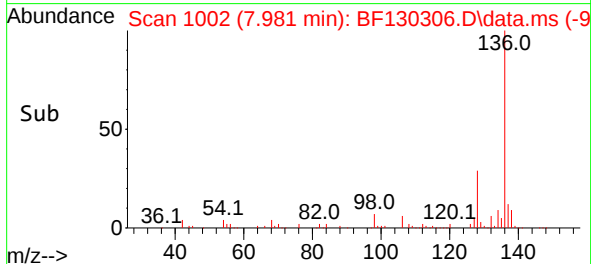
Instrument :
BNA_F
ClientSampleId :
N48854-1040



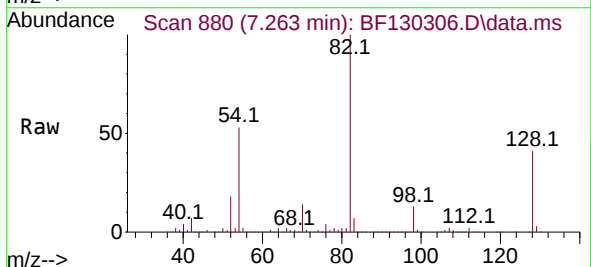
Tgt Ion:136 Resp: 274072
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 9.4 7.1 10.7
68 6.2 4.5 6.7

Manual Integrations
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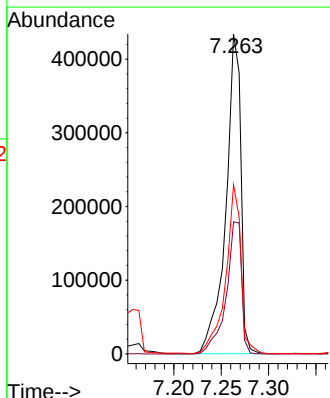
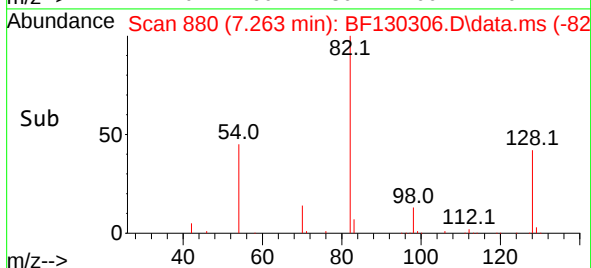
Reviewed By :Christian Giraldo 09/19/2022
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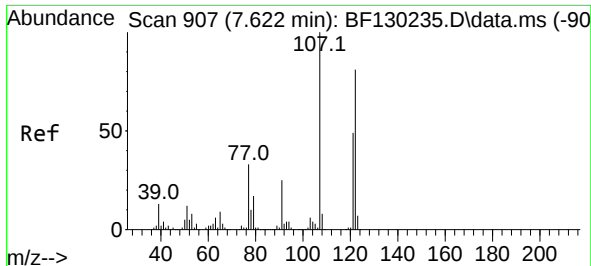


#23
Nitrobenzene-d5
Concen: 89.157 ng
RT: 7.263 min Scan# 880
Delta R.T. 0.024 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34



Tgt Ion: 82 Resp: 478294
Ion Ratio Lower Upper
82 100
128 41.3 32.6 49.0
54 52.9 43.8 65.6





#27

2,4-Dimethylphenol

Concen: 2370.787 ng

RT: 7.698 min Scan# 91

Delta R.T. 0.082 min

Lab File: BF130306.D

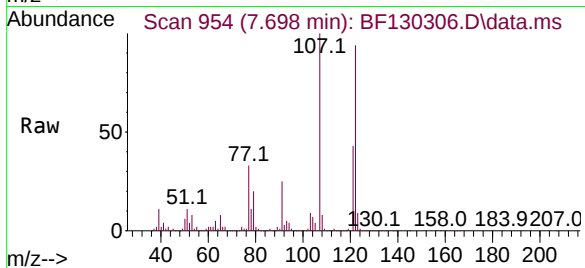
Acq: 16 Sep 2022 23:34

Instrument :

BNA_F

ClientSampleId :

N48854-1040



Tgt Ion:122 Resp: 8151329

Ion Ratio Lower Upper

122 100

107 106.7 100.2 150.2

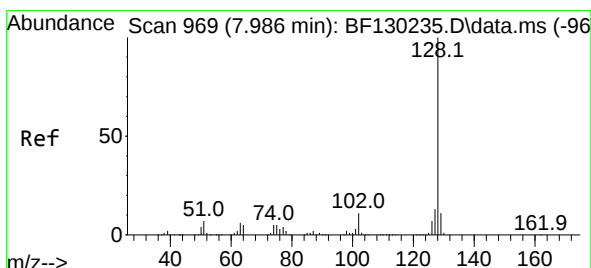
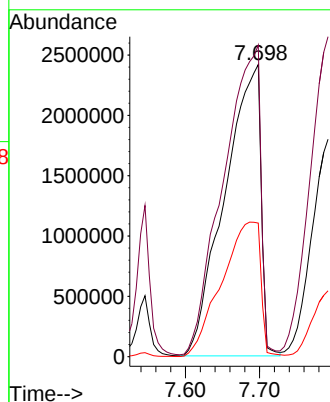
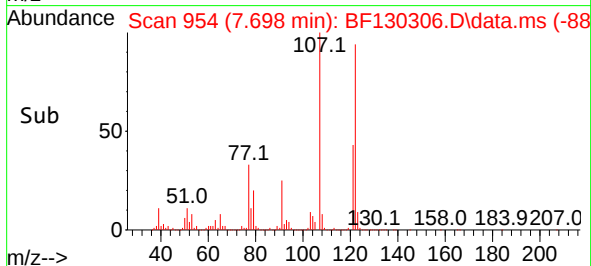
121 45.7 47.8 71.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/19/2022



#31

Naphthalene

Concen: 89.835 ng

RT: 8.004 min Scan# 1006

Delta R.T. 0.029 min

Lab File: BF130306.D

Acq: 16 Sep 2022 23:34

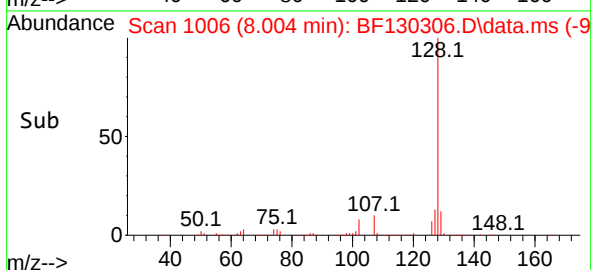
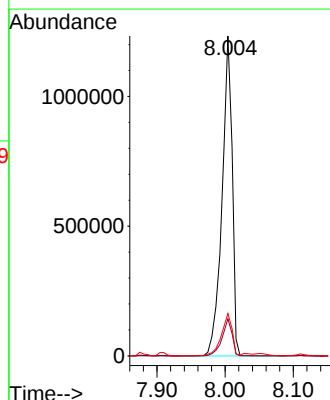
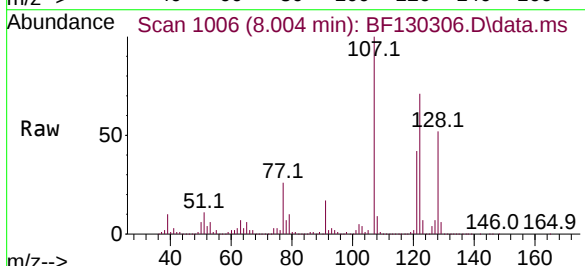
Tgt Ion:128 Resp: 1268452

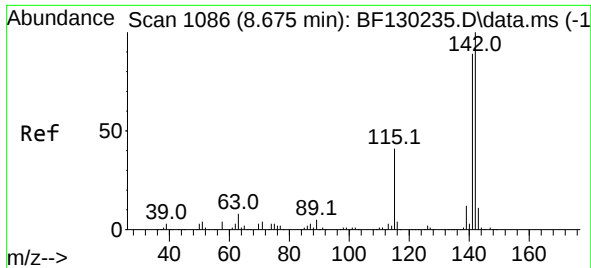
Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

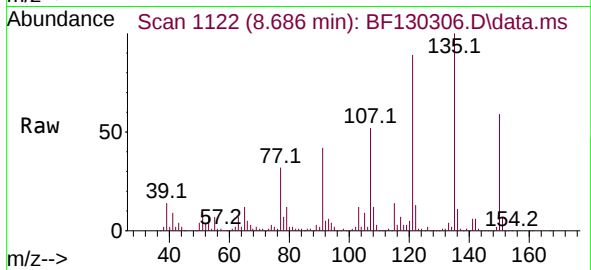
127 13.2 10.6 16.0





#37
2-Methylnaphthalene
Concen: 2.569 ng
RT: 8.686 min Scan# 1112
Delta R.T. 0.024 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

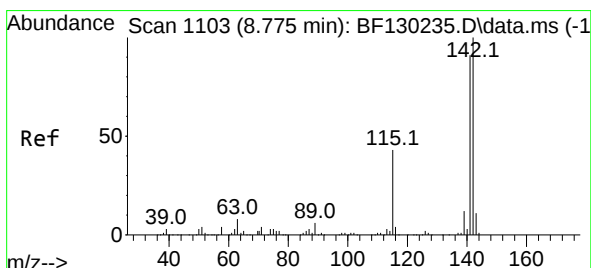
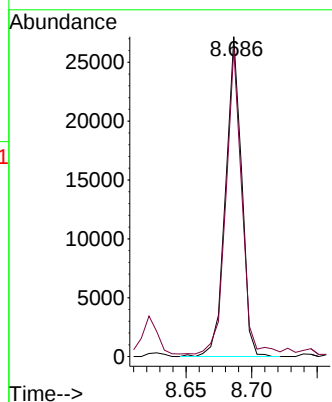
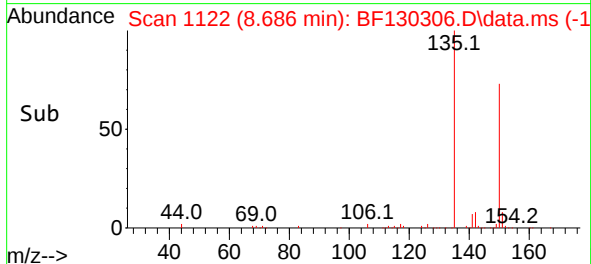
Instrument :
BNA_F
ClientSampleId :
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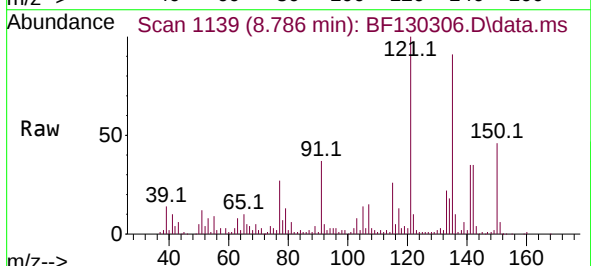
Tgt Ion:142 Resp: 23124
Ion Ratio Lower Upper
142 100
141 96.2 70.0 105.0

Manual Integrations
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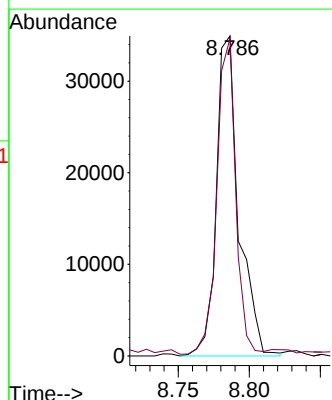
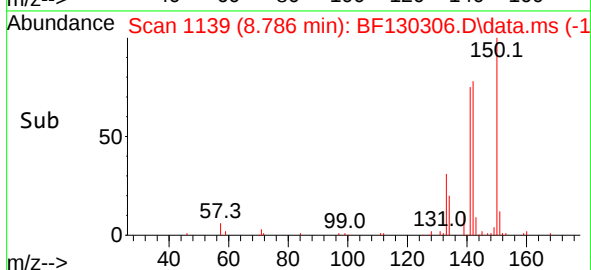
Reviewed By :Christian Giraldo 09/19/2022
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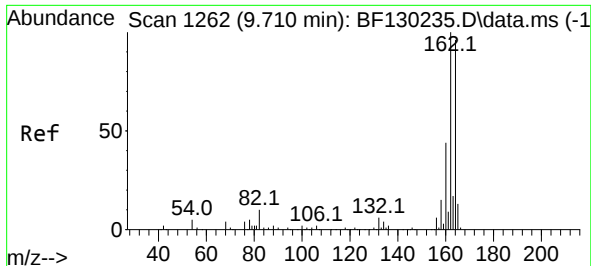


#38
1-Methylnaphthalene
Concen: 4.448 ng
RT: 8.786 min Scan# 1139
Delta R.T. 0.024 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34



Tgt Ion:142 Resp: 38469
Ion Ratio Lower Upper
142 100
141 99.2 73.8 110.8





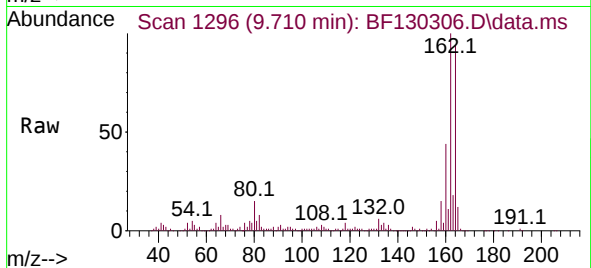
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.710 min Scan# 1262
Delta R.T. 0.006 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

Instrument :

BNA_F

ClientSampleId :

N48854-1040

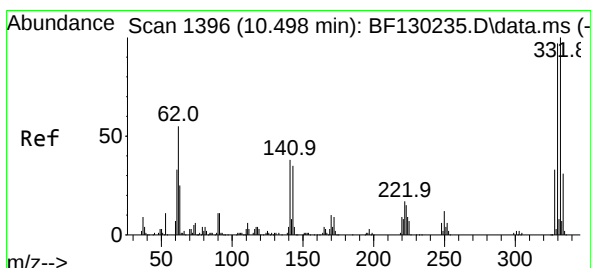
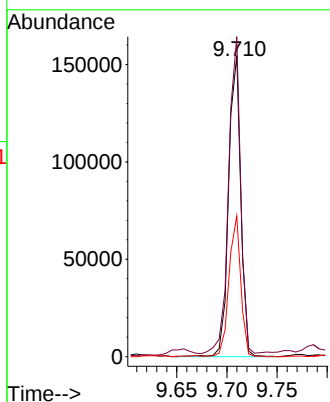
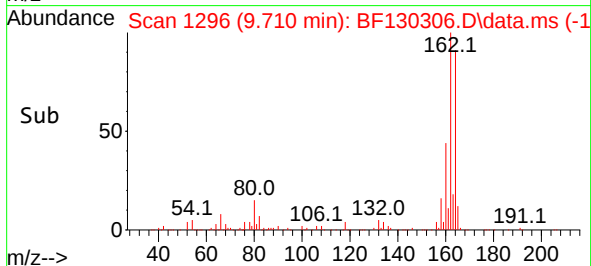


Tgt Ion:164 Resp: 130000
Ion Ratio Lower Upper
164 100
162 106.3 81.4 122.0
160 46.7 36.2 54.4

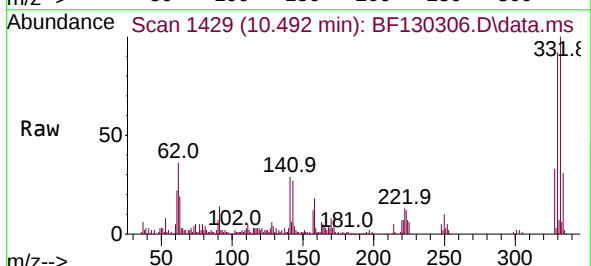
Manual Integrations

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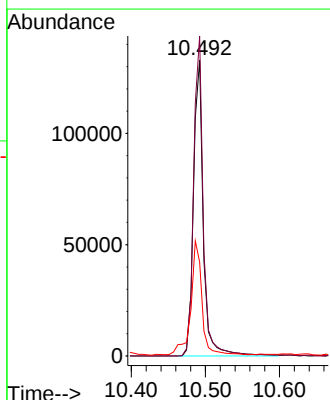
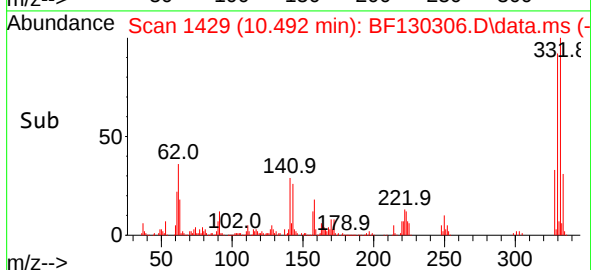
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

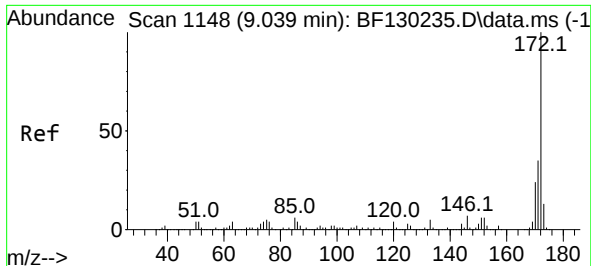


#42
2,4,6-Tribromophenol
Concen: 98.633 ng
RT: 10.492 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34



Tgt Ion:330 Resp: 122868
Ion Ratio Lower Upper
330 100
332 107.0 83.4 125.2
141 44.3 34.0 51.0





#45

2-Fluorobiphenyl

Concen: 82.960 ng

RT: 9.045 min Scan# 1148

Delta R.T. 0.012 min

Lab File: BF130306.D

Acq: 16 Sep 2022 23:34

Instrument :

BNA_F

ClientSampleId :

N48854-1040

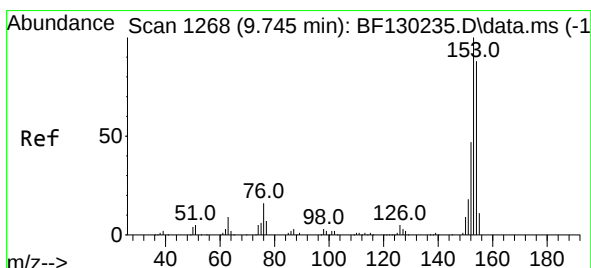
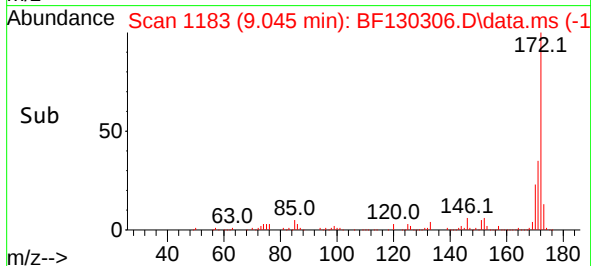
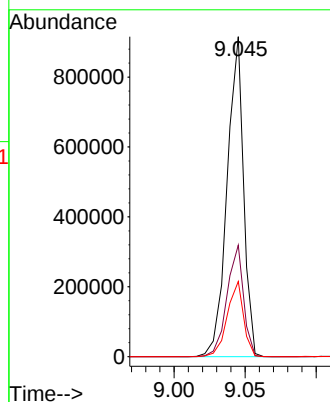
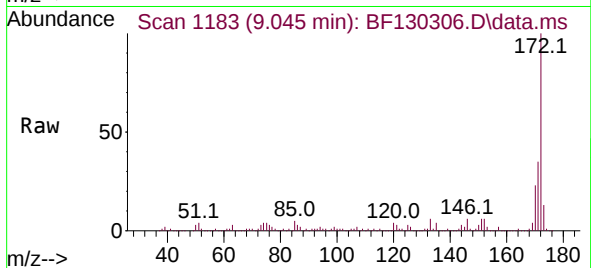
Tgt Ion:172 Resp: 740663
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.3 42.5
 170 23.5 18.7 28.1

Manual Integrations

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Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#52

Acenaphthene

Concen: 2.678 ng

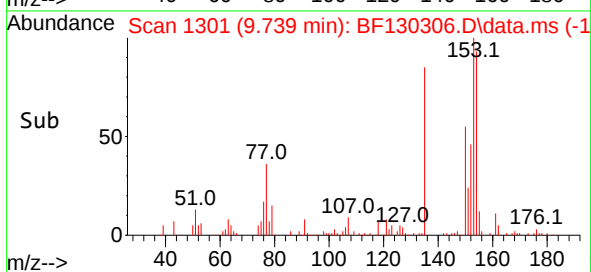
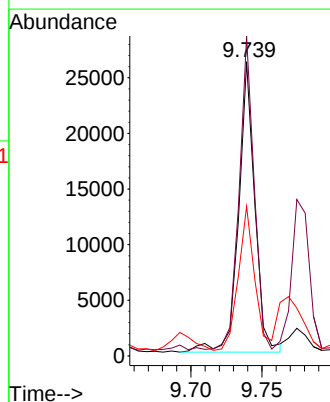
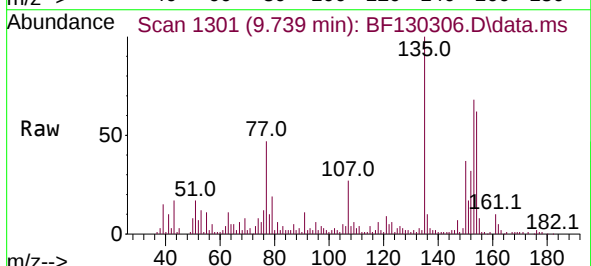
RT: 9.739 min Scan# 1301

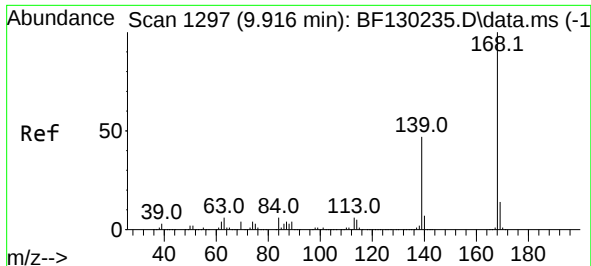
Delta R.T. 0.000 min

Lab File: BF130306.D

Acq: 16 Sep 2022 23:34

Tgt Ion:154 Resp: 20719
 Ion Ratio Lower Upper
 154 100
 153 108.8 90.6 136.0
 152 50.8 43.8 65.6





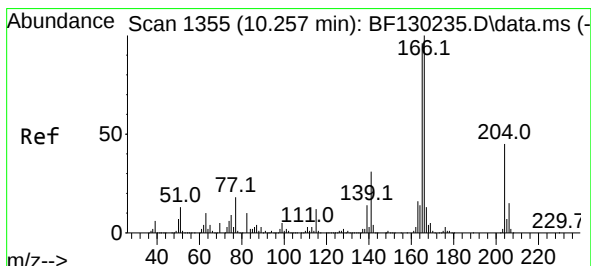
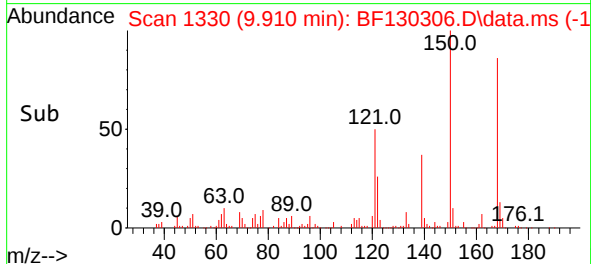
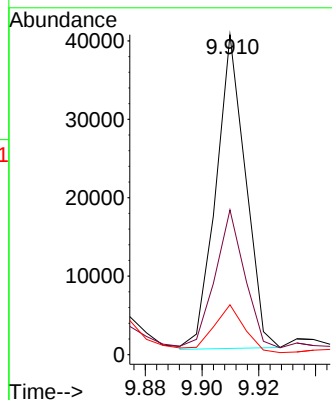
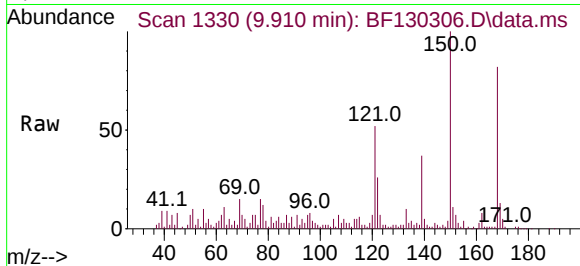
#55
Dibenzenofuran
Concen: 2.689 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

Instrument :
BNA_F
ClientSampleId :
N48854-1040

Tgt Ion:168 Resp: 28942
Ion Ratio Lower Upper
168 100
139 45.2 35.0 52.4
169 15.6 10.9 16.3

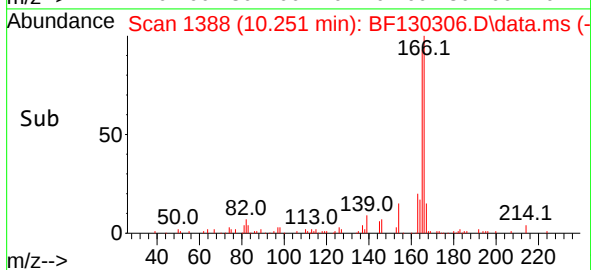
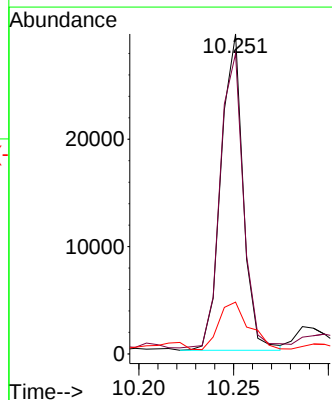
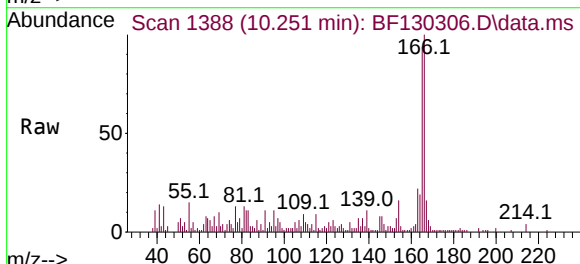
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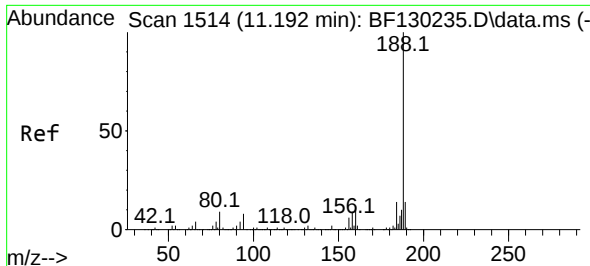
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#58
Fluorene
Concen: 2.721 ng
RT: 10.251 min Scan# 1388
Delta R.T. 0.000 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

Tgt Ion:166 Resp: 23946
Ion Ratio Lower Upper
166 100
165 93.8 78.8 118.2
167 16.2 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.180 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

Instrument :

BNA_F

ClientSampleId :

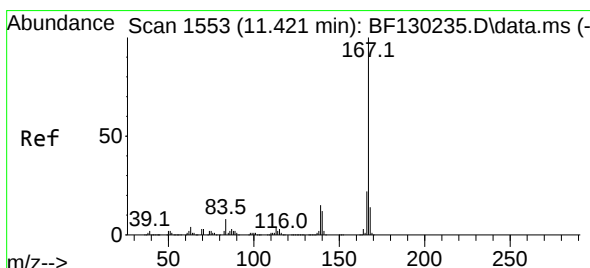
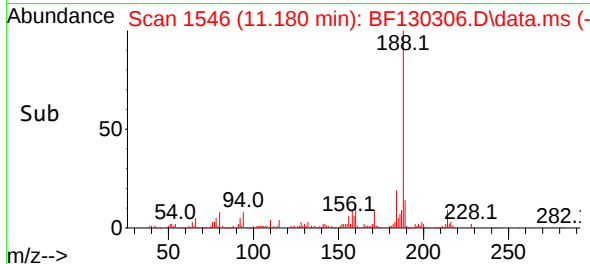
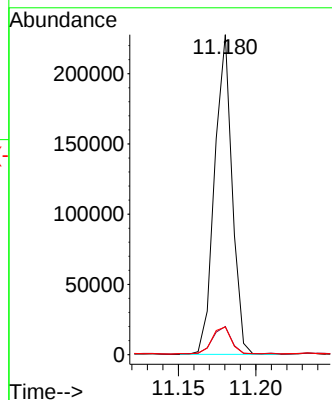
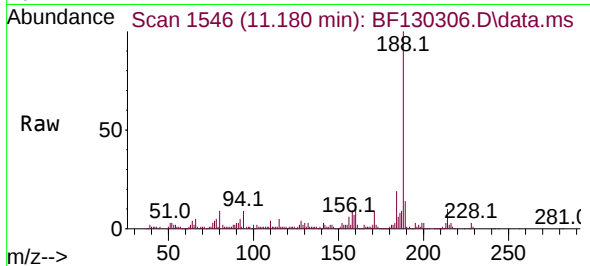
N48854-1040

Tgt Ion:188 Resp: 179118
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 8.6 7.9 11.9

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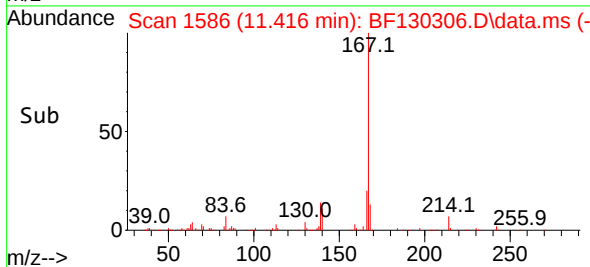
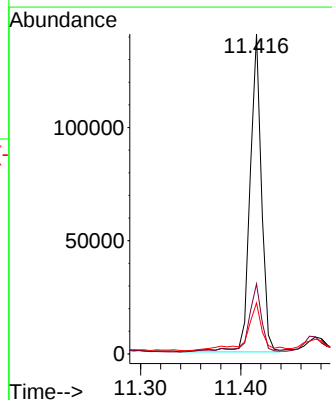
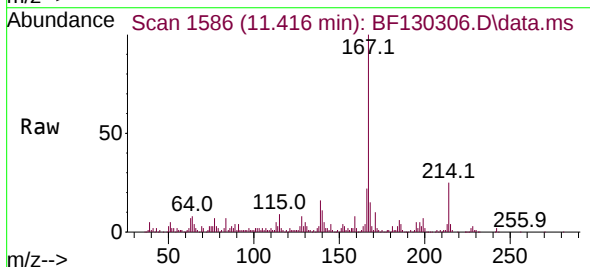
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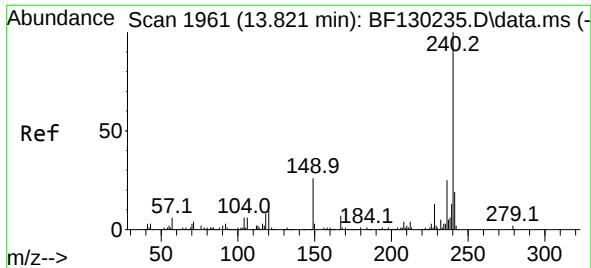
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#73
Carbazole
Concen: 12.608 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

Tgt Ion:167 Resp: 110426
Ion Ratio Lower Upper
167 100
166 21.9 17.4 26.2
139 15.9 11.6 17.4





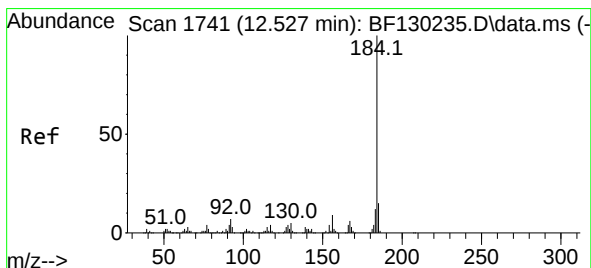
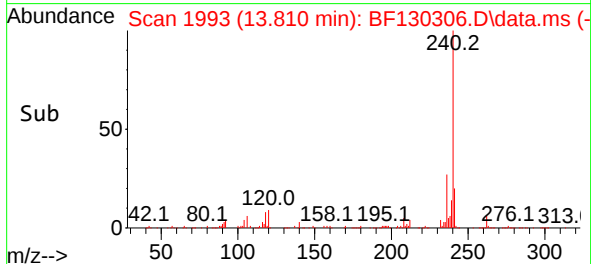
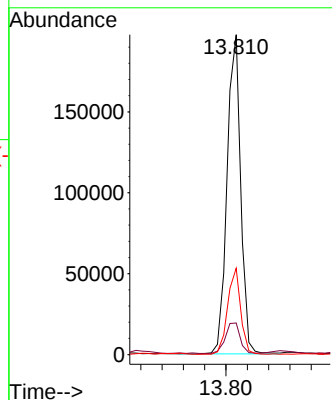
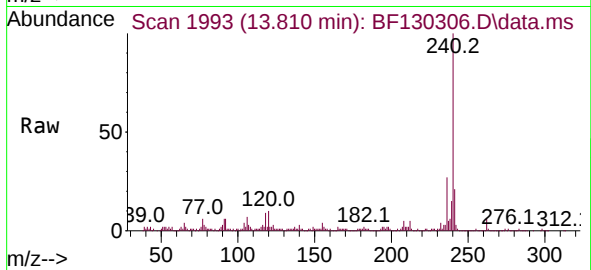
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.810 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

Instrument :
BNA_F
ClientSampleId :
N48854-1040

Tgt Ion:240 Resp: 175610
Ion Ratio Lower Upper
240 100
120 9.9 8.7 13.1
236 27.0 20.9 31.3

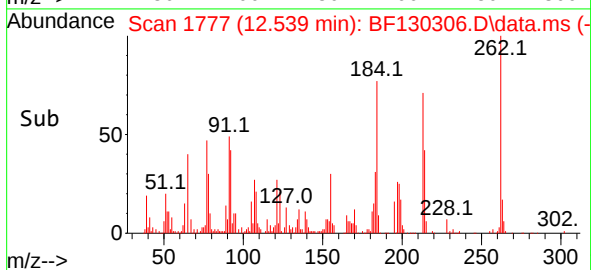
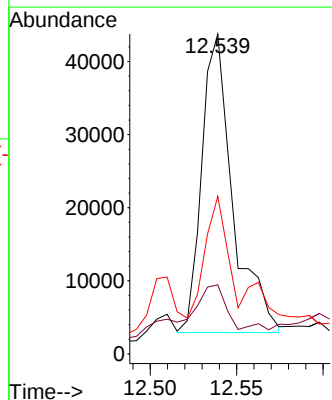
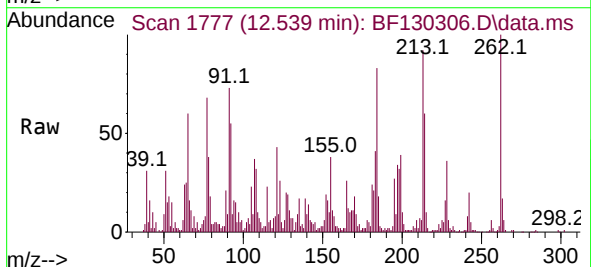
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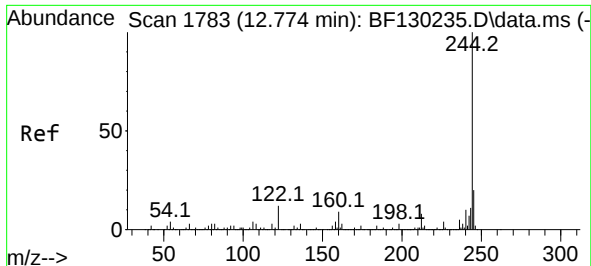
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#77
Benzidine
Concen: 10.023 ng m
RT: 12.539 min Scan# 1777
Delta R.T. 0.024 min
Lab File: BF130306.D
Acq: 16 Sep 2022 23:34

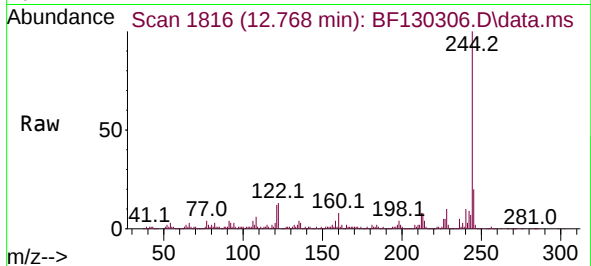
Tgt Ion:184 Resp: 51094
Ion Ratio Lower Upper
184 100
185 21.6 11.8 17.6#
183 49.2 9.1 13.7#





#79
 Terphenyl-d14
 Concen: 45.176 ng
 RT: 12.768 min Scan# 1816
 Delta R.T. 0.000 min
 Lab File: BF130306.D
 Acq: 16 Sep 2022 23:34

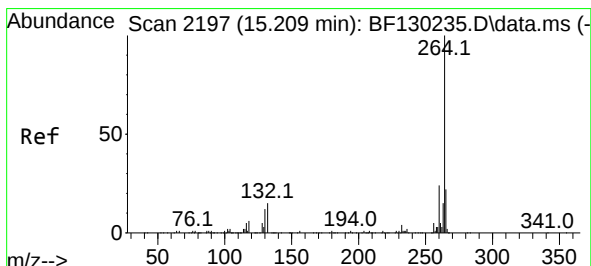
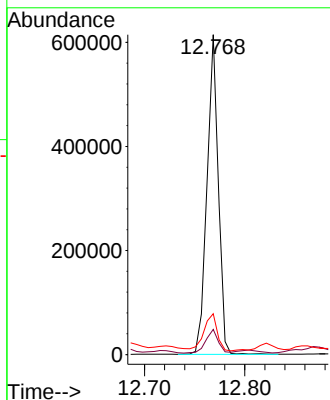
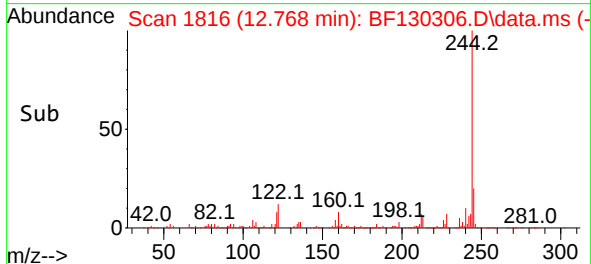
Instrument :
 BNA_F
 ClientSampleId :
 N48854-1040



Tgt Ion:244 Resp: 478929
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.9 8.9
 122 12.8 8.5 12.7

Manual Integrations
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Reviewed By :Christian Giraldo 09/19/2022
 Supervised By :Jagrut Upadhyay 09/19/2022



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.198 min Scan# 2229
 Delta R.T. 0.000 min
 Lab File: BF130306.D
 Acq: 16 Sep 2022 23:34

Tgt Ion:264 Resp: 203293
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.3 28.9
 265 20.9 17.0 25.4

