

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130946.D
 Acq On : 02 Nov 2022 23:51
 Operator : CG\JU
 Sample : N5395-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-6-103122

Quant Time: Nov 03 03:49:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 03 03:37:09 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/03/2022
 Supervised By : Jagrut Upadhyay 11/03/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	59222	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	200782	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	87043	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	141668	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	147377	20.000	ng	-0.01
86) Perylene-d12	15.621	264	140059	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	383679	112.315	ng	0.00
7) Phenol-d6	6.545	99	466904	105.177	ng	0.00
23) Nitrobenzene-d5	7.487	82	326420	98.030	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	90611	123.663	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	491600	85.388	ng	0.00
79) Terphenyl-d14	13.051	244	446762	55.549	ng	0.00
Target Compounds						
						Qvalue
20) 3+4-Methylphenols	7.316	107	9046	2.139	ng	87
71) Phenanthrene	11.480	178	56748	7.761	ng	99
72) Anthracene	11.533	178	15459	2.144	ng	95
75) Fluoranthene	12.674	202	162237	20.883	ng	99
78) Pyrene	12.910	202	146371	11.772	ng	97
81) Benzo(a)anthracene	14.098	228	99068m	10.139	ng	
83) Chrysene	14.133	228	93595	9.930	ng	99
87) Indeno(1,2,3-cd)pyrene	17.151	276	42095	4.526	ng	95
88) Benzo(b)fluoranthene	15.174	252	124822m	13.787	ng	
89) Benzo(k)fluoranthene	15.198	252	39480m	4.475	ng	
90) Benzo(a)pyrene	15.557	252	83102	11.418	ng	97
92) Benzo(g,h,i)perylene	17.615	276	37833	4.891	ng	96

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

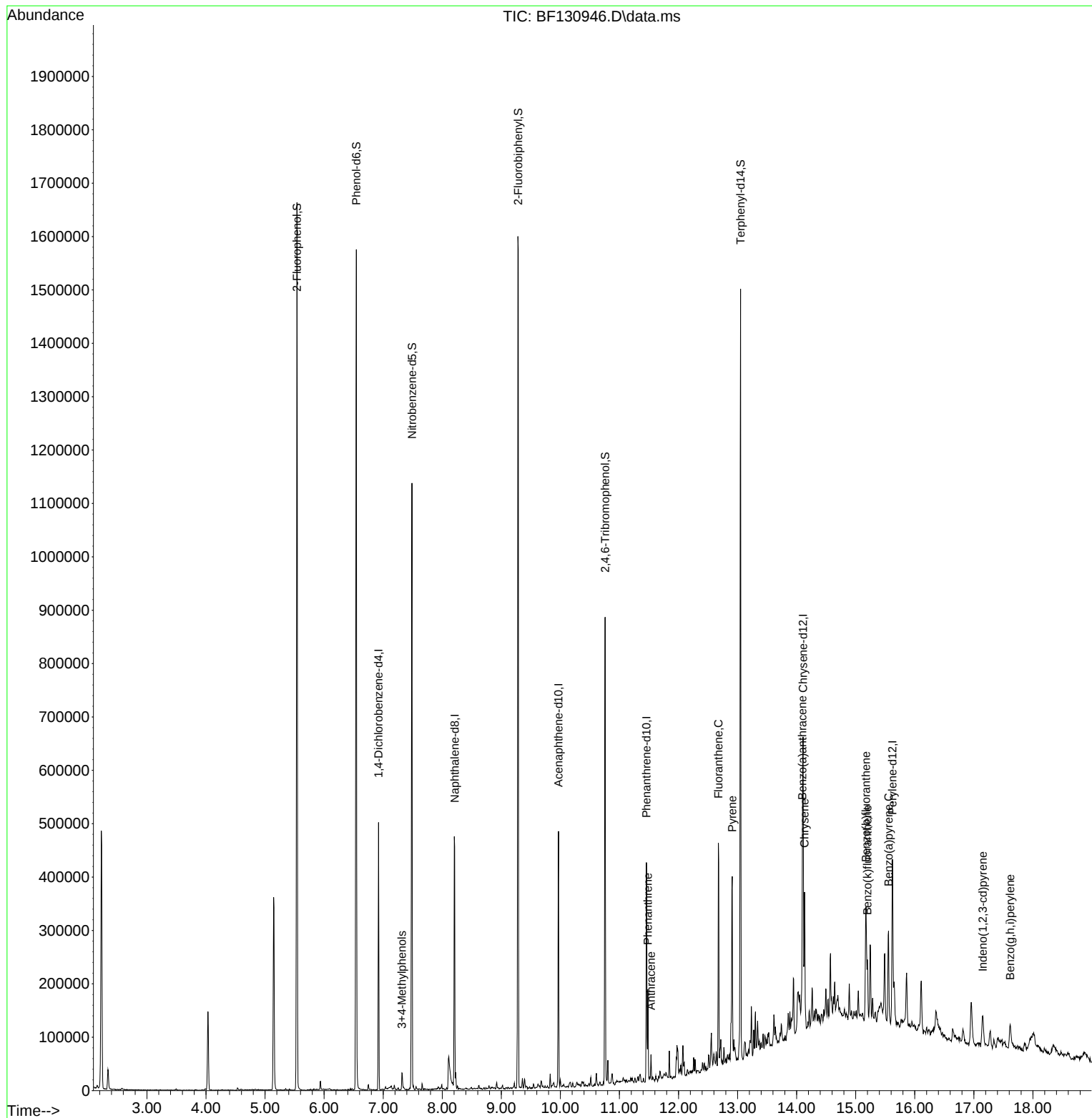
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
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ALS Vial : 16 Sample Multiplier: 1

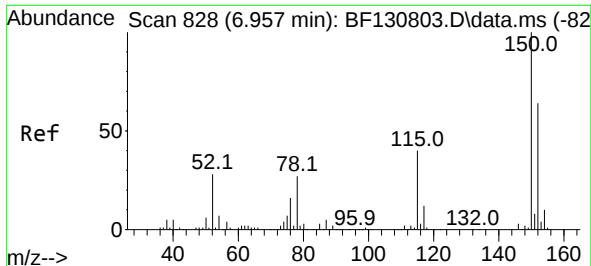
Instrument :
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Quant Time: Nov 03 03:49:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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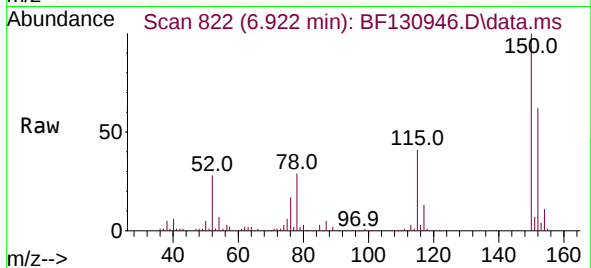
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

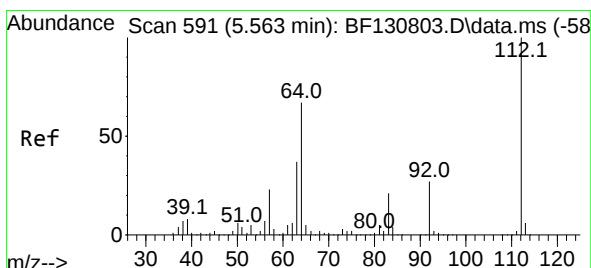
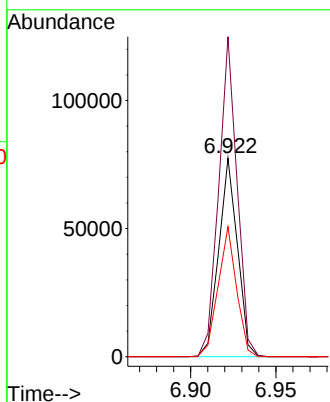
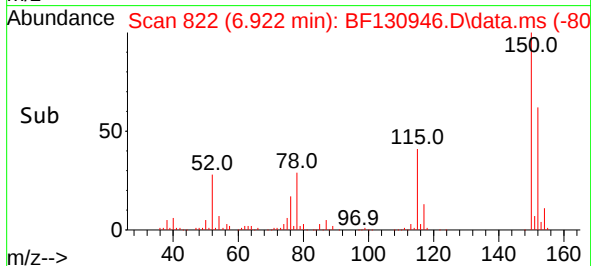
Instrument :
BNA_F
ClientSampleId :
S-6-103122



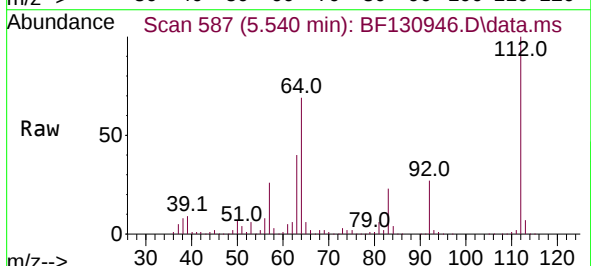
Tgt Ion:152 Resp: 59222
Ion Ratio Lower Upper
152 100
150 161.2 124.1 186.1
115 65.4 50.1 75.1

Manual Integrations
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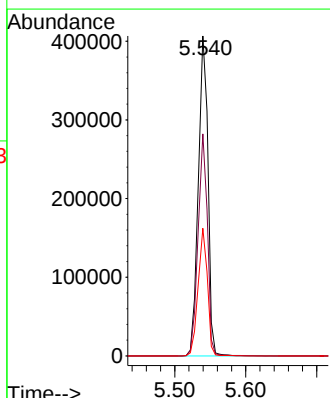
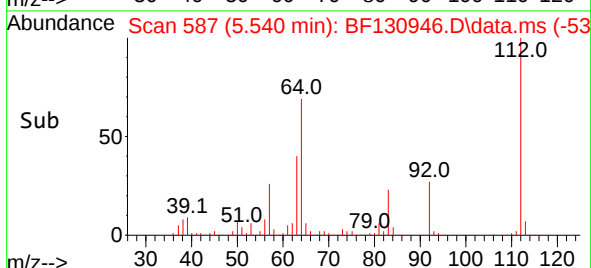
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022

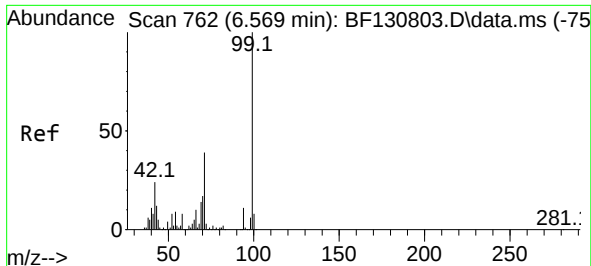


#5
2-Fluorophenol
Concen: 112.315 ng
RT: 5.540 min Scan# 587
Delta R.T. -0.000 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51



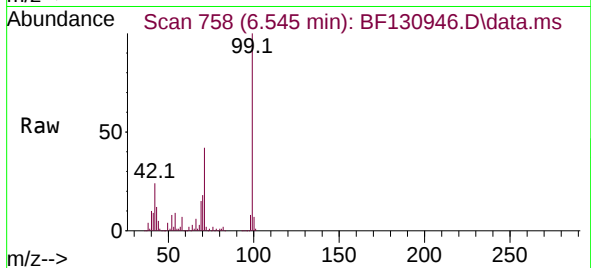
Tgt Ion:112 Resp: 383679
Ion Ratio Lower Upper
112 100
64 69.4 53.9 80.9
63 39.9 29.4 44.2





#7
Phenol-d6
Concen: 105.177 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

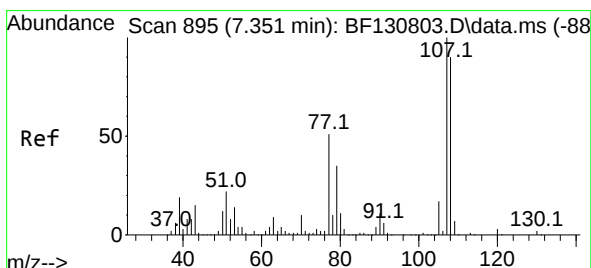
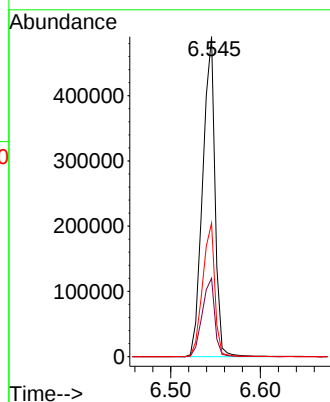
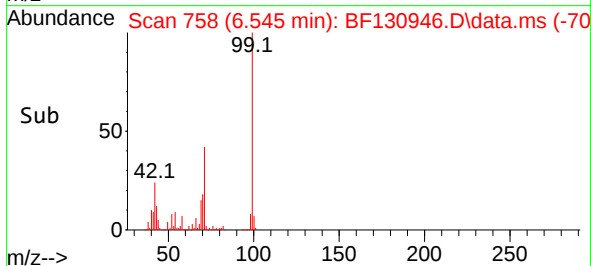
Instrument :
BNA_F
ClientSampleId :
S-6-103122



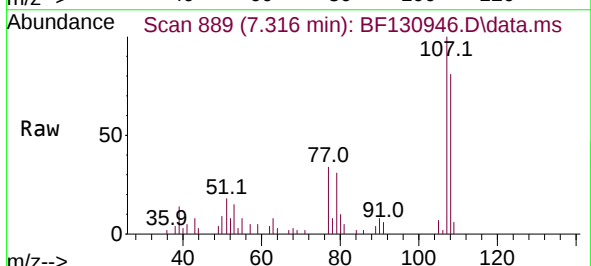
Tgt Ion: 99 Resp: 466904
Ion Ratio Lower Upper
99 100
42 24.5 18.8 28.2
71 41.7 31.4 47.0

Manual Integrations
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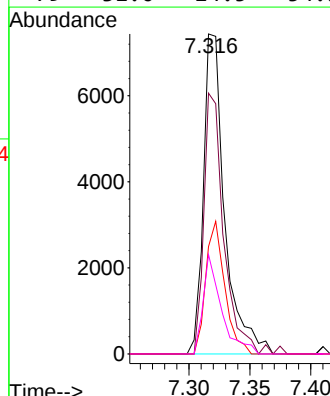
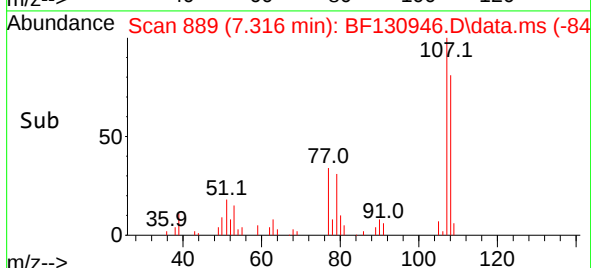
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022

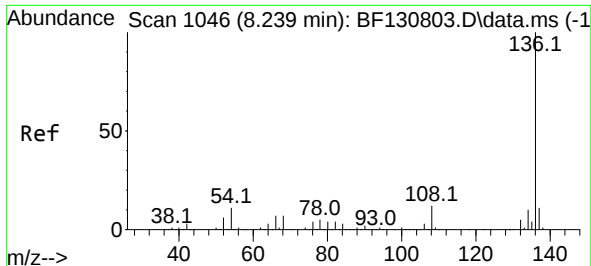


#20
3+4-Methylphenols
Concen: 2.139 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51



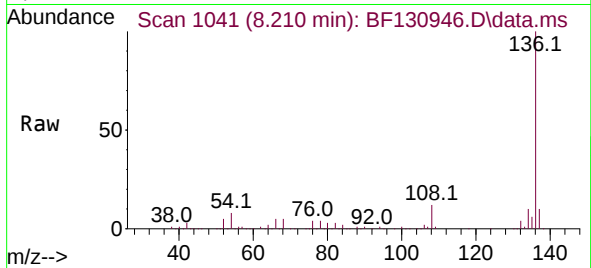
Tgt Ion:107 Resp: 9046
Ion Ratio Lower Upper
107 100
108 81.5 70.4 110.4
77 33.5 31.1 71.1
79 31.0 14.5 54.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

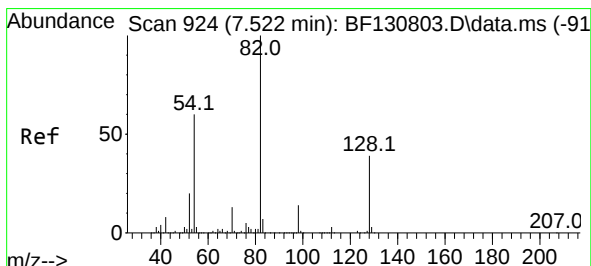
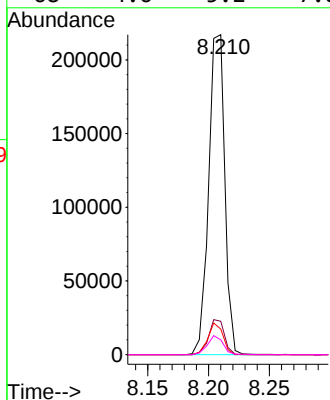
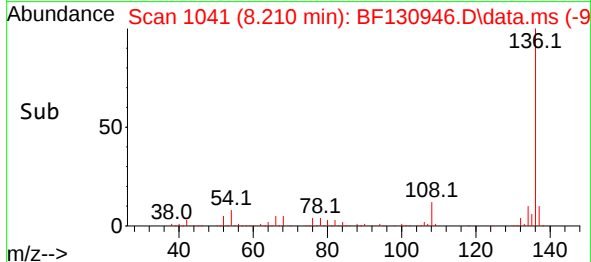
Instrument :
BNA_F
ClientSampleId :
S-6-103122



Tgt Ion:136 Resp: 200782
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 8.0 8.8 13.2
68 4.6 5.2 7.8#

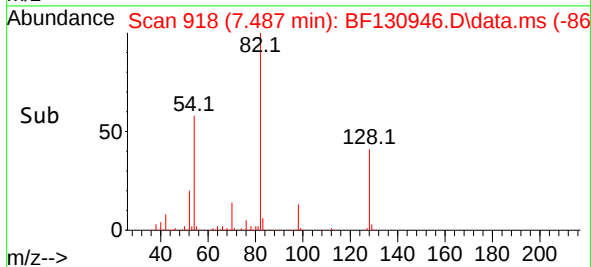
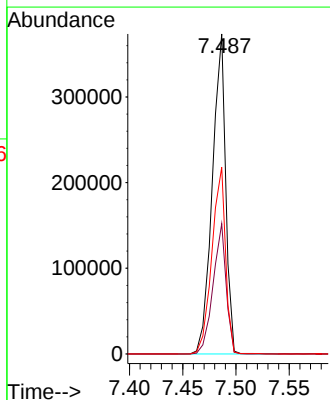
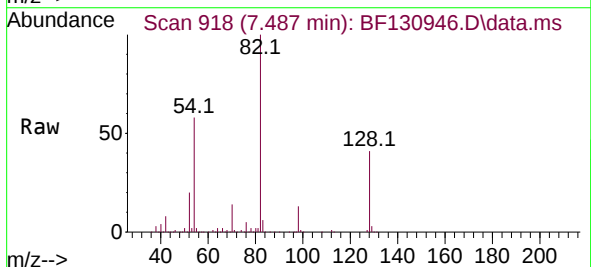
Manual Integrations
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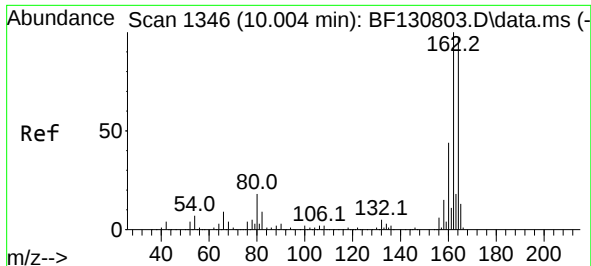
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#23
Nitrobenzene-d5
Concen: 98.030 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

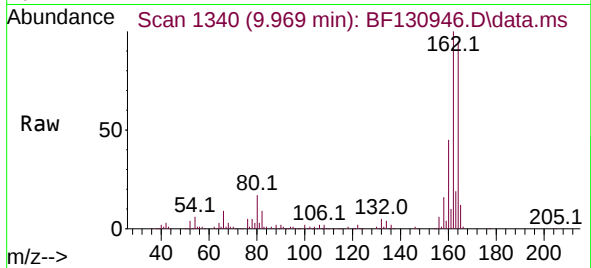
Tgt Ion: 82 Resp: 326420
Ion Ratio Lower Upper
82 100
128 40.7 31.2 46.8
54 58.3 48.0 72.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

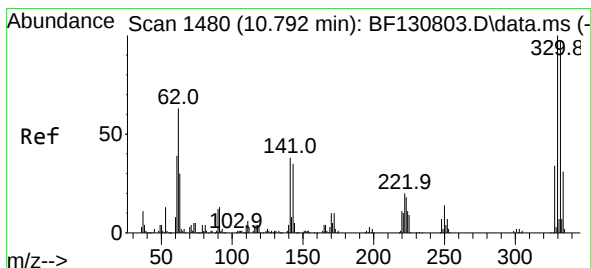
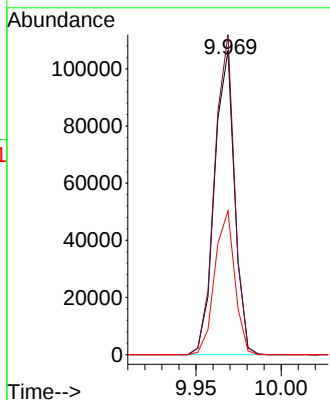
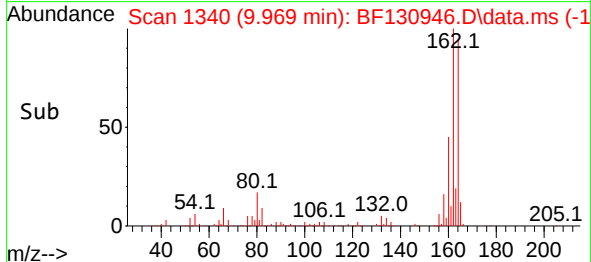
Instrument :
BNA_F
ClientSampleId :
S-6-103122



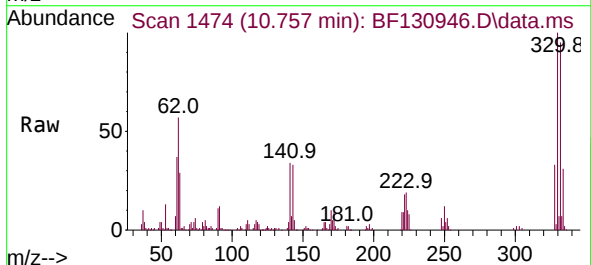
Tgt Ion:164 Resp: 87043
Ion Ratio Lower Upper
164 100
162 105.2 82.2 123.2
160 47.3 36.6 54.8

Manual Integrations
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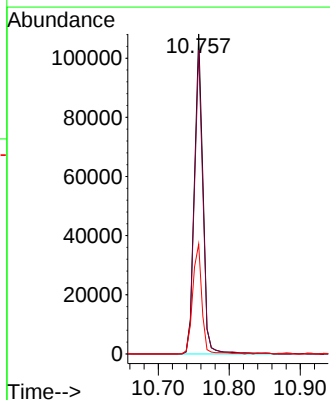
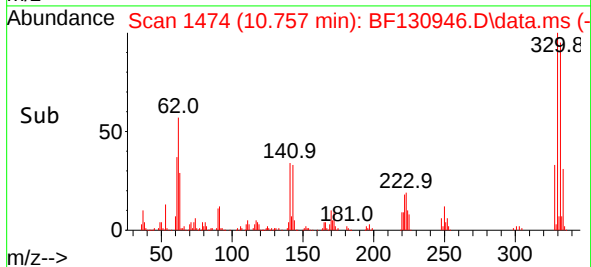
Reviewed By :Christian Giraldo 11/03/2022
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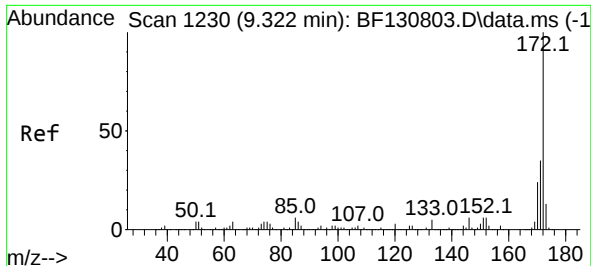


#42
2,4,6-Tribromophenol
Concen: 123.663 ng
RT: 10.757 min Scan# 1474
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51



Tgt Ion:330 Resp: 90611
Ion Ratio Lower Upper
330 100
332 94.6 76.2 114.4
141 36.8 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 85.388 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

Instrument :

BNA_F

ClientSampleId :

S-6-103122

Tgt Ion:172 Resp: 491600

Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

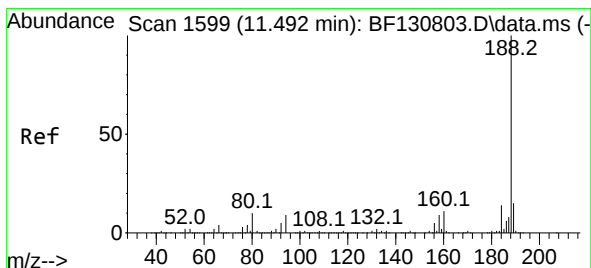
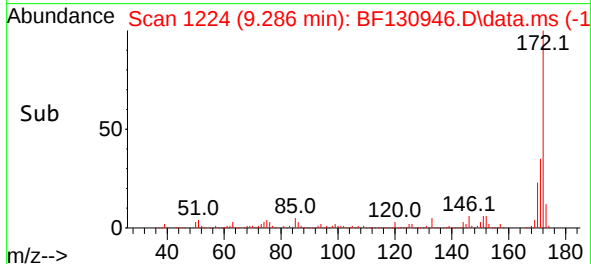
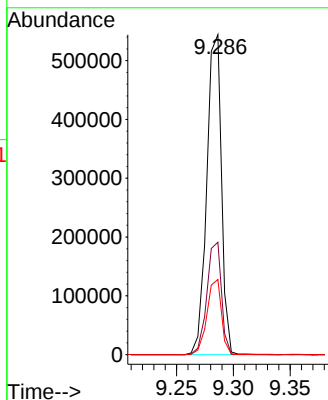
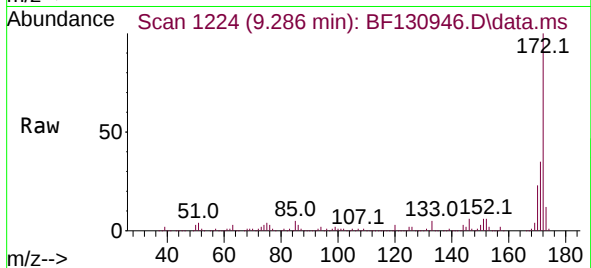
170 23.5 19.0 28.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/03/2022

Supervised By :Jagrut Upadhyay 11/03/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1593

Delta R.T. -0.012 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

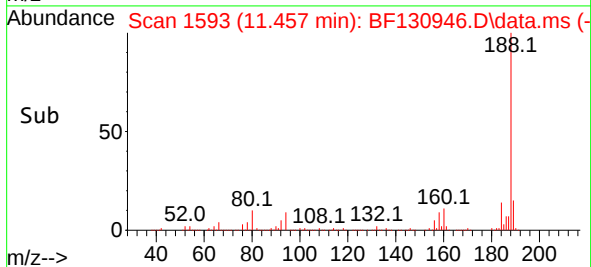
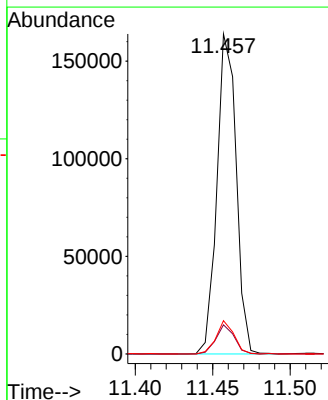
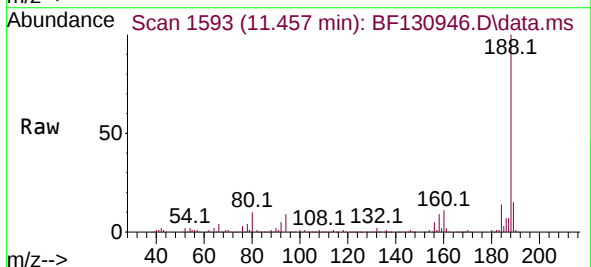
Tgt Ion:188 Resp: 141668

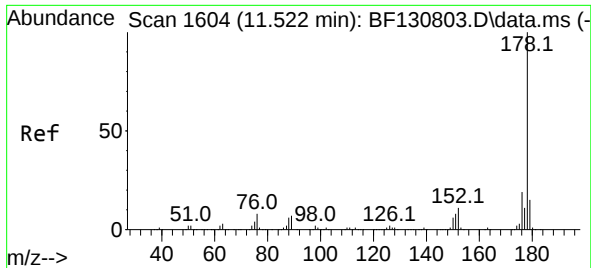
Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 10.4 8.0 12.0





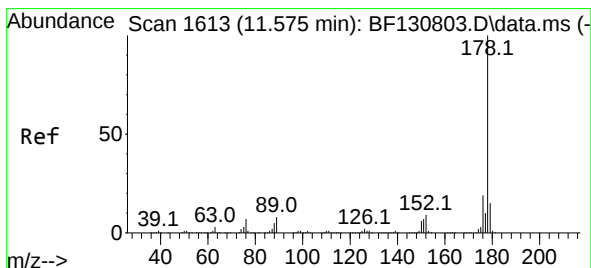
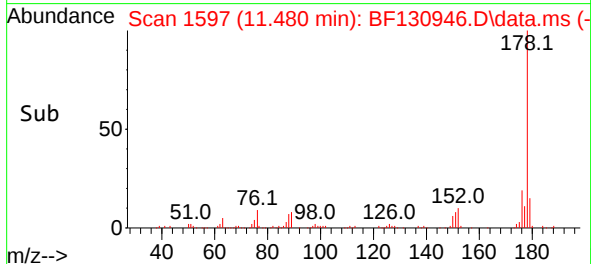
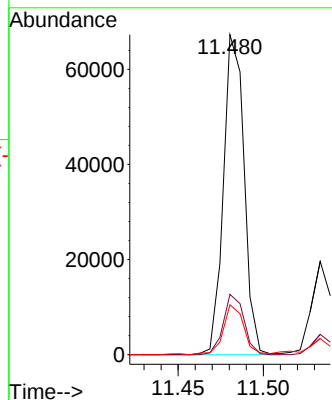
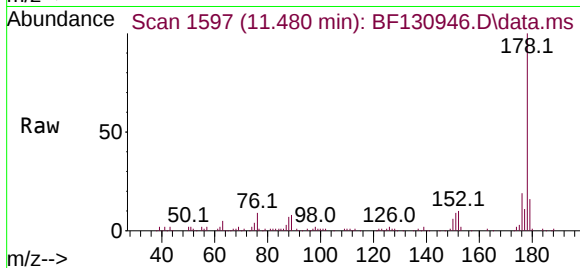
#71
Phenanthrene
Concen: 7.761 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Instrument :
BNA_F
ClientSampleId :
S-6-103122

Tgt Ion:178 Resp: 56748
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.6 12.2 18.2

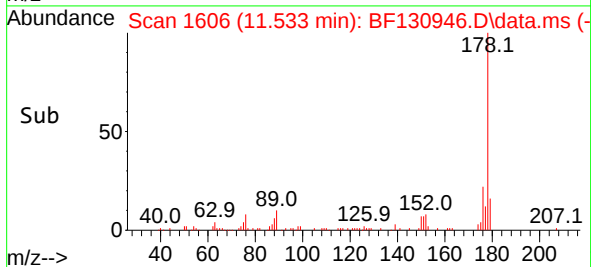
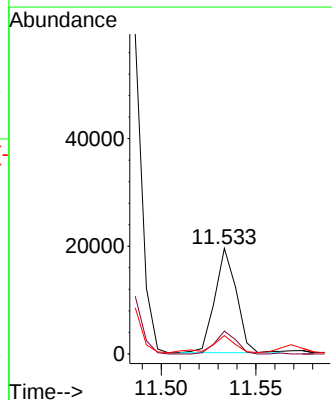
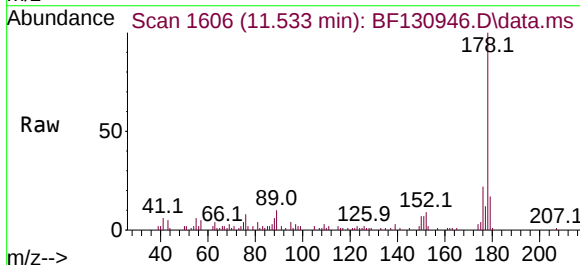
Manual Integrations
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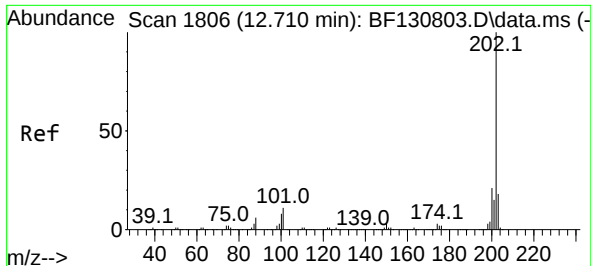
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#72
Anthracene
Concen: 2.144 ng
RT: 11.533 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

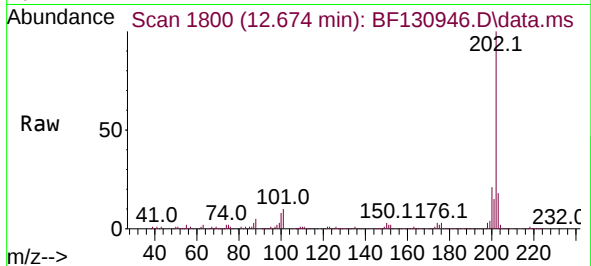
Tgt Ion:178 Resp: 15459
Ion Ratio Lower Upper
178 100
176 21.7 15.4 23.0
179 17.3 12.2 18.4





#75
Fluoranthene
Concen: 20.883 ng
RT: 12.674 min Scan# 1806
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

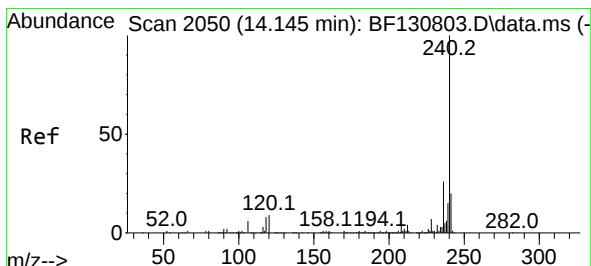
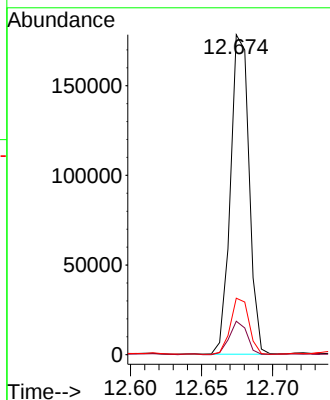
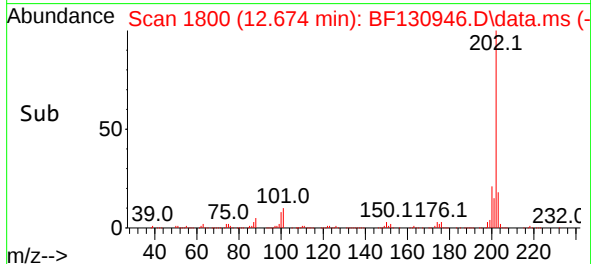
Instrument :
BNA_F
ClientSampleId :
S-6-103122



Tgt Ion:202 Resp: 162237
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.9
203 17.6 0.0 37.7

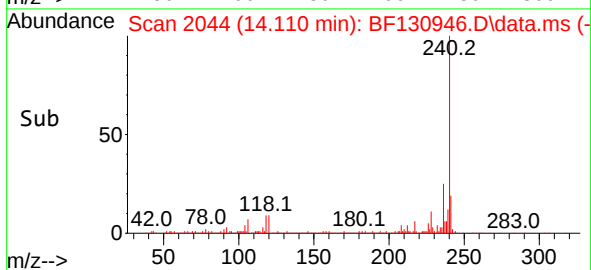
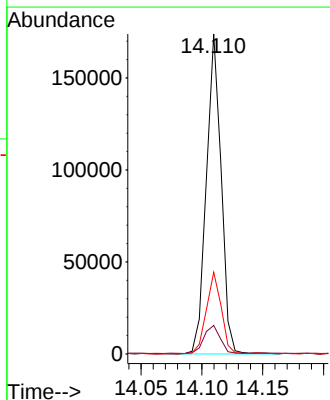
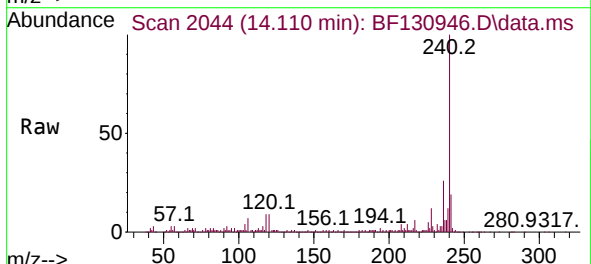
Manual Integrations
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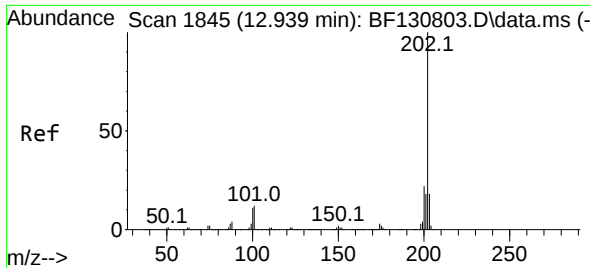
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

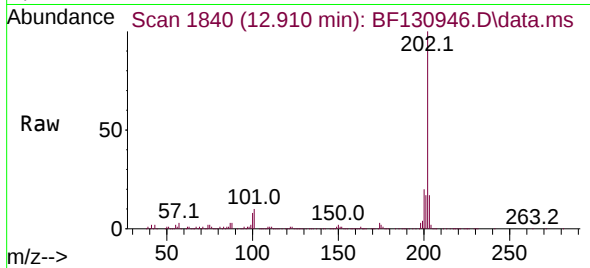
Tgt Ion:240 Resp: 147377
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.4
236 25.5 20.5 30.7





#78
Pyrene
Concen: 11.772 ng
RT: 12.910 min Scan# 1845
Delta R.T. -0.006 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

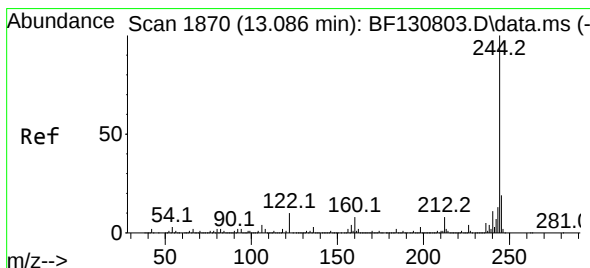
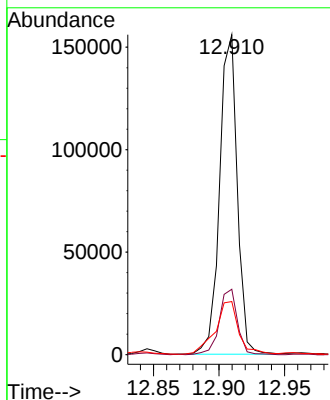
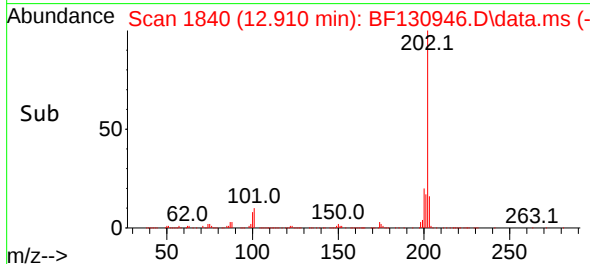
Instrument :
BNA_F
Client Sample Id :
S-6-103122



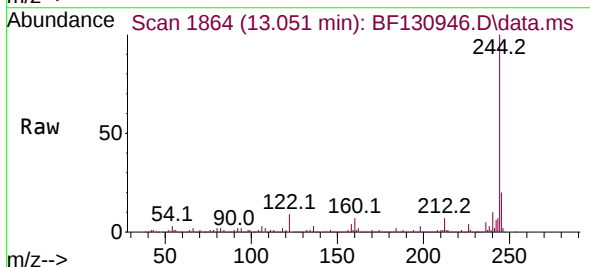
Tgt Ion: 202 Resp: 146371
Ion Ratio Lower Upper
202 100
200 20.4 17.2 25.8
203 16.6 14.5 21.7

Manual Integrations
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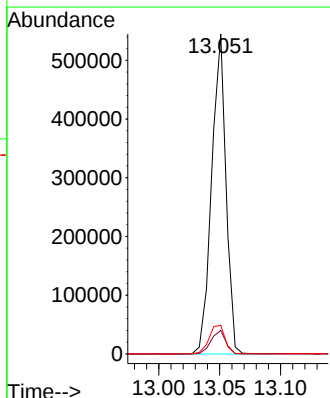
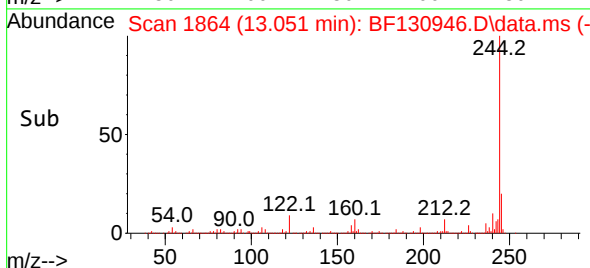
Reviewed By : Christian Giraldo 11/03/2022
Supervised By : Jagrut Upadhyay 11/03/2022

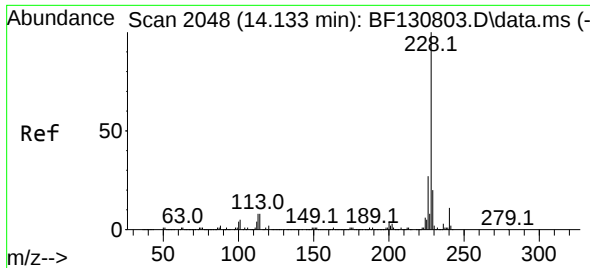


#79
Terphenyl-d14
Concen: 55.549 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51



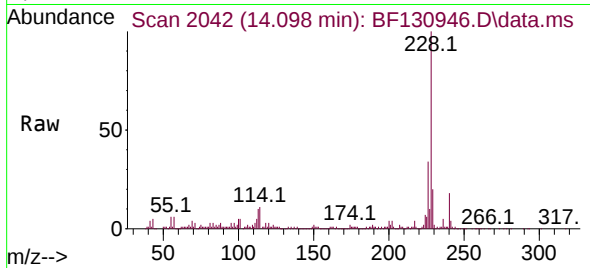
Tgt Ion: 244 Resp: 446762
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 8.9 7.9 11.9





#81
Benzo(a)anthracene
Concen: 10.139 ng m
RT: 14.098 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

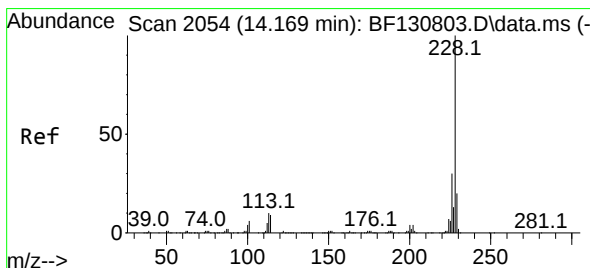
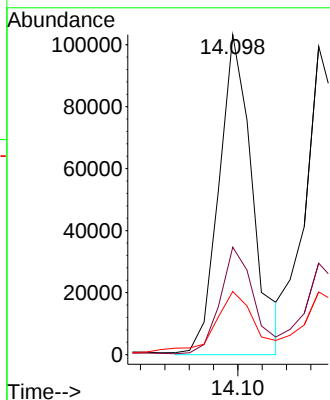
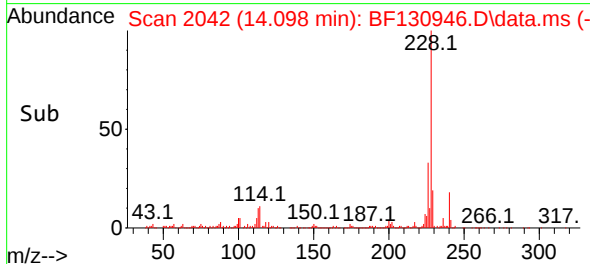
Instrument :
BNA_F
ClientSampleId :
S-6-103122



Tgt Ion:228 Resp: 99068
Ion Ratio Lower Upper
228 100
226 33.6 21.4 32.2
229 19.7 15.8 23.6

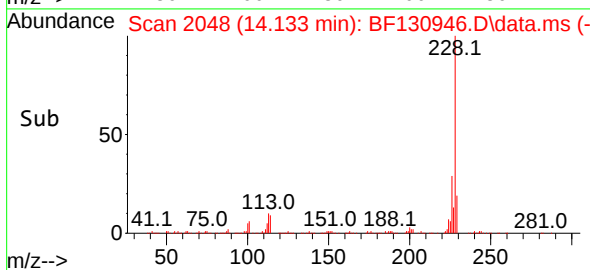
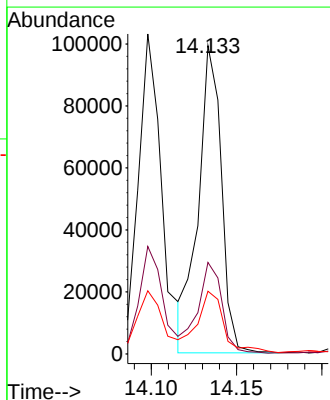
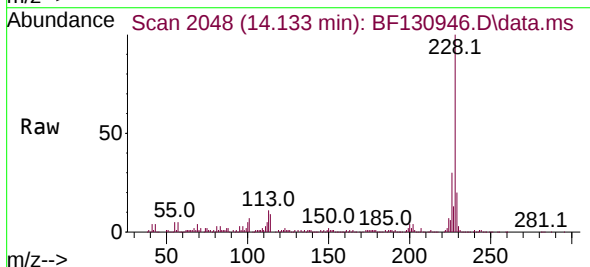
Manual Integrations
APPROVED

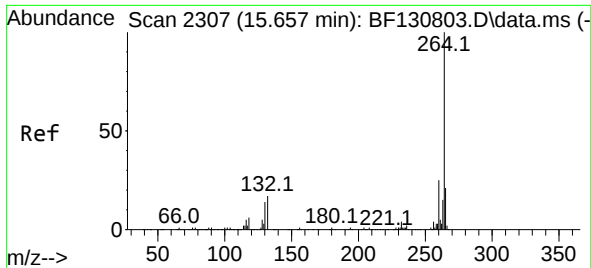
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#83
Chrysene
Concen: 9.930 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

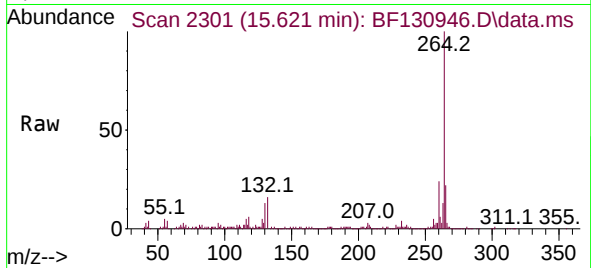
Tgt Ion:228 Resp: 93595
Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 20.3 15.8 23.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.621 min Scan# 2301
 Delta R.T. -0.006 min
 Lab File: BF130946.D
 Acq: 02 Nov 2022 23:51

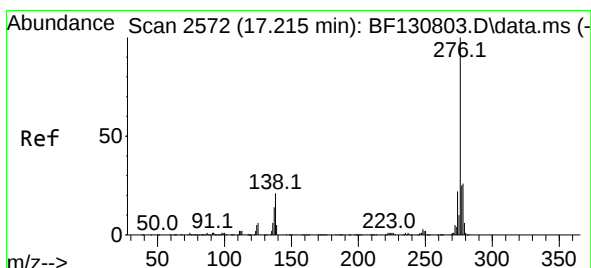
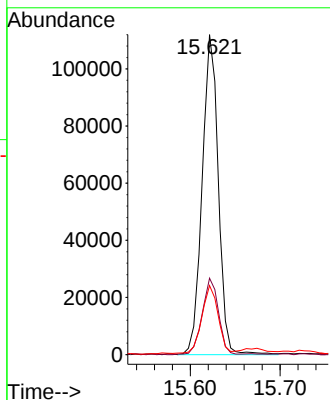
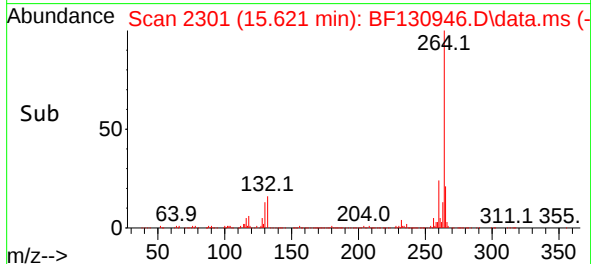
Instrument :
 BNA_F
 ClientSampleId :
 S-6-103122



Tgt Ion:264 Resp: 140059
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.9 29.9
 265 21.6 17.0 25.6

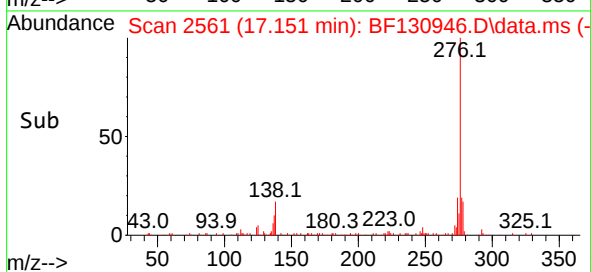
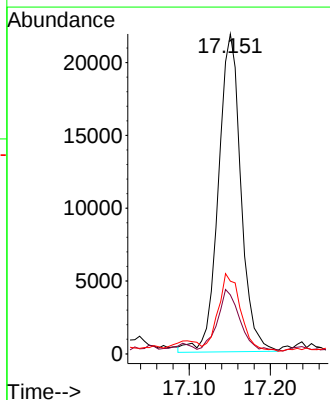
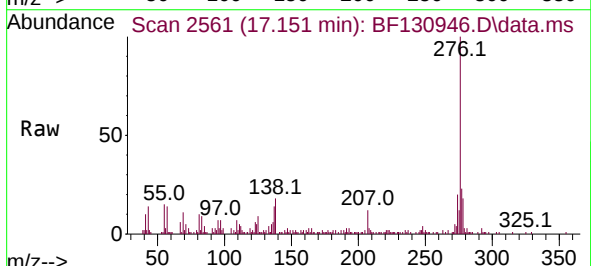
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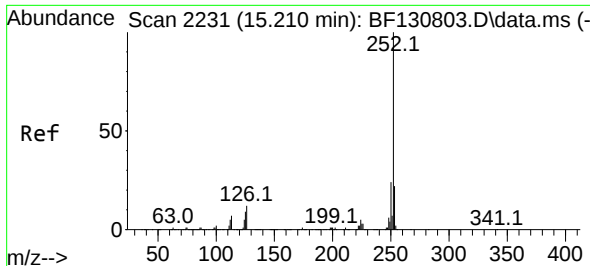
Reviewed By :Christian Giraldo 11/03/2022
 Supervised By :Jagrut Upadhyay 11/03/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.526 ng
 RT: 17.151 min Scan# 2561
 Delta R.T. -0.024 min
 Lab File: BF130946.D
 Acq: 02 Nov 2022 23:51

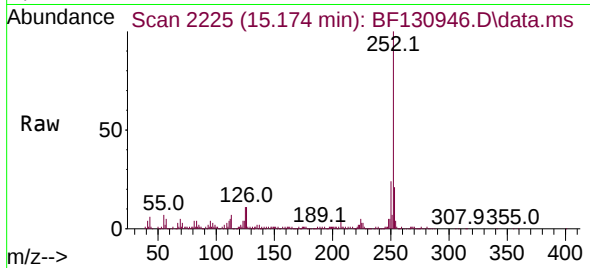
Tgt Ion:276 Resp: 42095
 Ion Ratio Lower Upper
 276 100
 138 19.3 19.1 28.7
 277 24.3 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 13.787 ng m
RT: 15.174 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

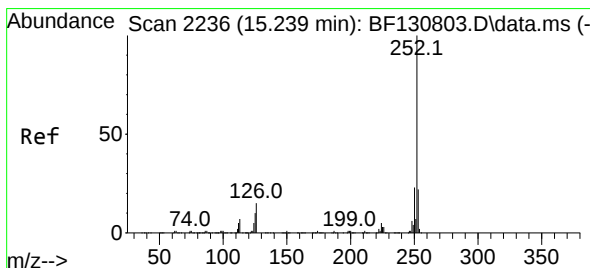
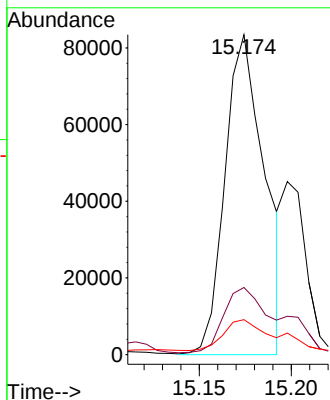
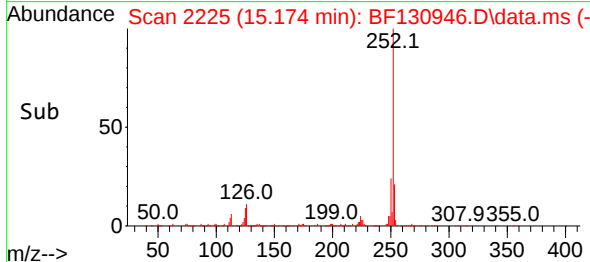
Instrument :
BNA_F
ClientSampleId :
S-6-103122



Tgt Ion:252 Resp: 124822
Ion Ratio Lower Upper
252 100
253 21.0 17.5 26.3
125 10.9 7.0 10.4

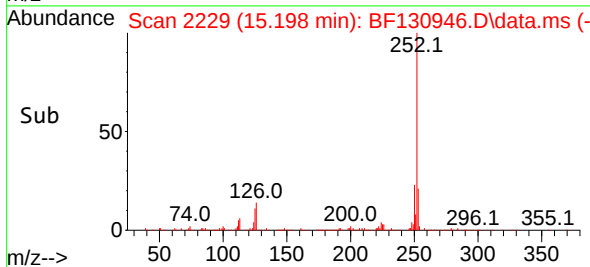
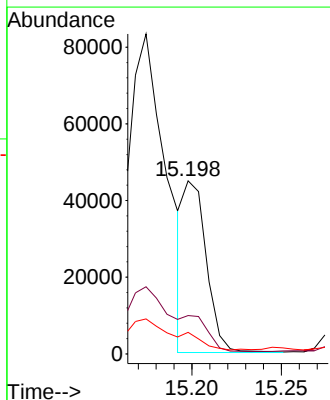
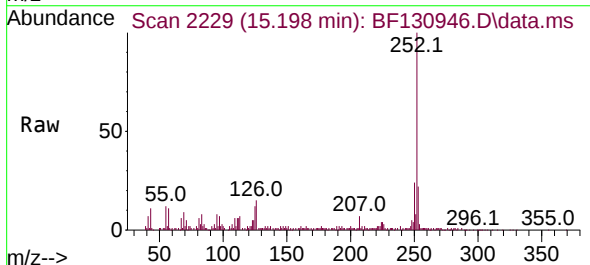
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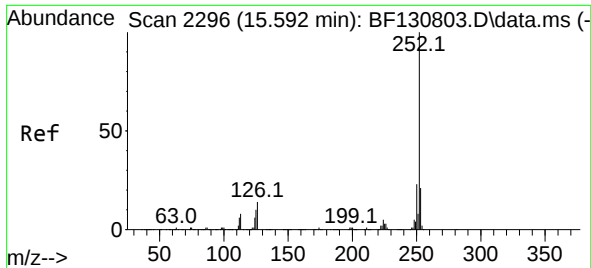
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#89
Benzo(k)fluoranthene
Concen: 4.475 ng m
RT: 15.198 min Scan# 2229
Delta R.T. -0.018 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Tgt Ion:252 Resp: 39480
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 12.4 8.0 12.0





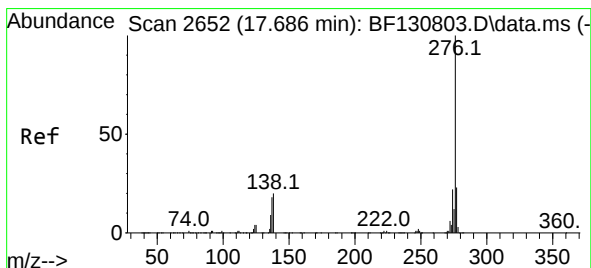
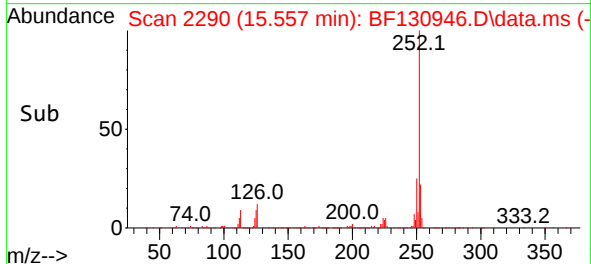
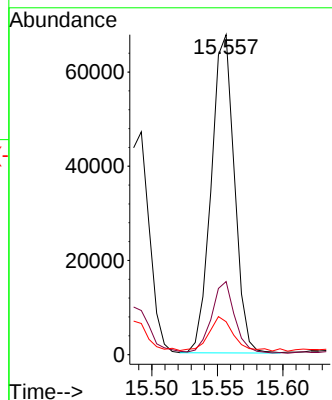
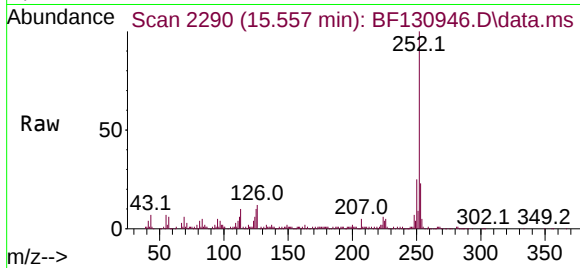
#90
Benzo(a)pyrene
Concen: 11.418 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Instrument :
BNA_F
ClientSampleId :
S-6-103122

Tgt Ion:252 Resp: 83102
Ion Ratio Lower Upper
252 100
253 22.8 16.8 25.2
125 10.3 8.3 12.5

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Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#92
Benzo(g,h,i)perylene
Concen: 4.891 ng
RT: 17.615 min Scan# 2640
Delta R.T. -0.035 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Tgt Ion:276 Resp: 37833
Ion Ratio Lower Upper
276 100
277 25.0 18.8 28.2
138 22.4 16.3 24.5

