

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
 Data File : BF130908.D
 Acq On : 01 Nov 2022 19:26
 Operator : CG\JU
 Sample : N5234-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSP-SS-04-05-15

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/02/2022
 Supervised By : Jagrut Upadhyay 11/02/2022

Quant Time: Nov 02 08:23:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 08:18:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	87648	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	313560	20.000	ng	0.00
39) Acenaphthene-d10	9.981	164	138136	20.000	ng	0.00
64) Phenanthrene-d10	11.475	188	194014	20.000	ng	0.00
76) Chrysene-d12	14.133	240	152797	20.000	ng	0.00
86) Perylene-d12	15.651	264	111245	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	405906	80.285	ng	0.00
7) Phenol-d6	6.551	99	498524	75.879	ng	0.00
23) Nitrobenzene-d5	7.498	82	334448	64.316	ng	0.00
42) 2,4,6-Tribromophenol	10.769	330	81687	70.249	ng	-0.01
45) 2-Fluorobiphenyl	9.298	172	551431	60.353	ng	0.00
79) Terphenyl-d14	13.069	244	416809	49.987	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.839	152	52219	4.187	ng	98
71) Phenanthrene	11.498	178	265197	26.483	ng	99
72) Anthracene	11.551	178	84676	8.573	ng	99
75) Fluoranthene	12.698	202	595149	55.938	ng	98
78) Pyrene	12.933	202	1065194	82.630	ng	100
81) Benzo(a)anthracene	14.121	228	656193	64.774	ng	96
83) Chrysene	14.157	228	608441	62.266	ng	98
87) Indeno(1,2,3-cd)pyrene	17.198	276	190616	25.802	ng	# 95
88) Benzo(b)fluoranthene	15.204	252	483800m	67.277	ng	
89) Benzo(k)fluoranthene	15.227	252	148575m	21.203	ng	
90) Benzo(a)pyrene	15.592	252	411090	71.112	ng	98
91) Dibenzo(a,h)anthracene	17.215	278	60000	9.963	ng	# 93
92) Benzo(g,h,i)perylene	17.674	276	190874	31.067	ng	96

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

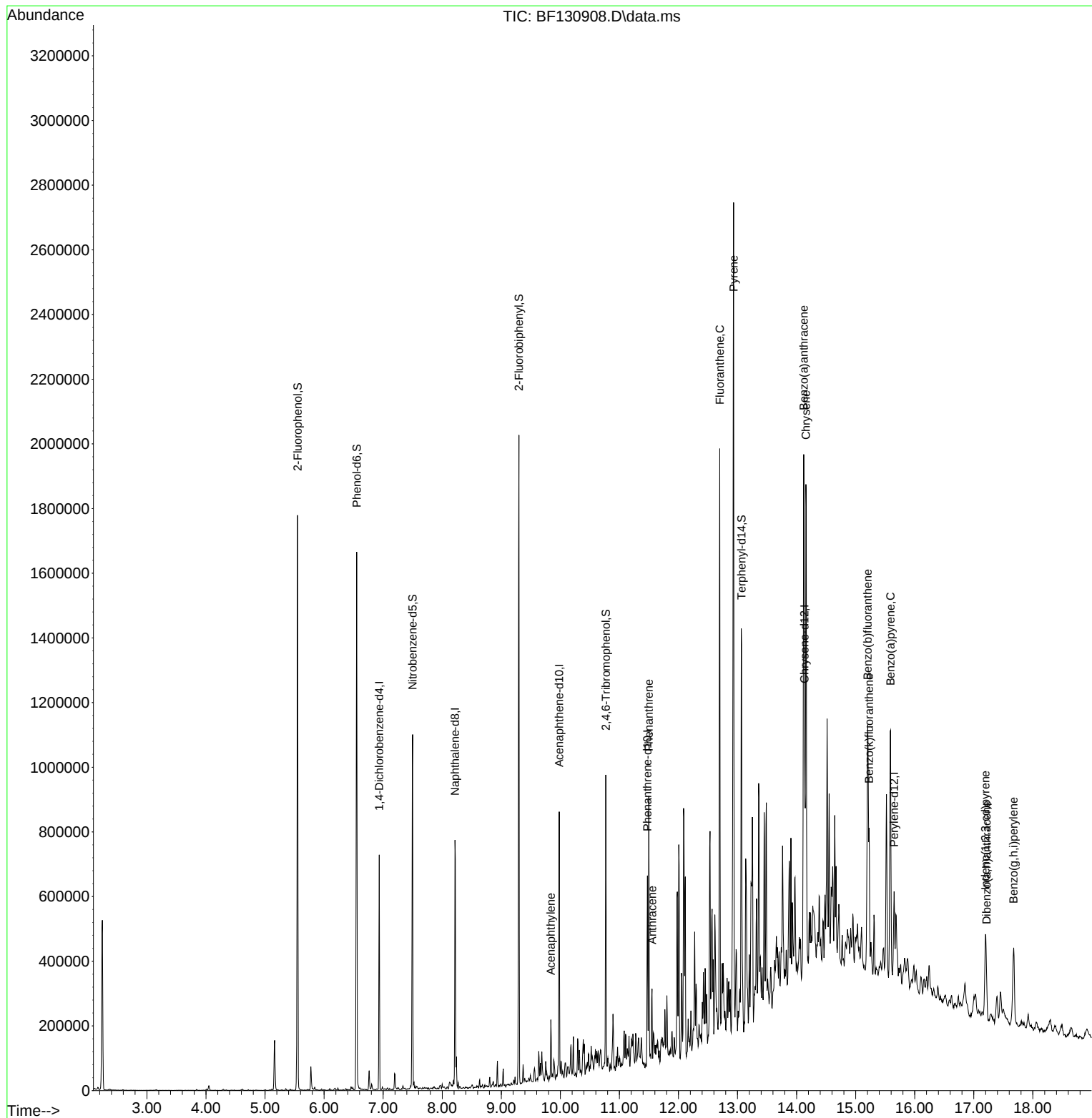
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130908.D
Acq On : 01 Nov 2022 19:26
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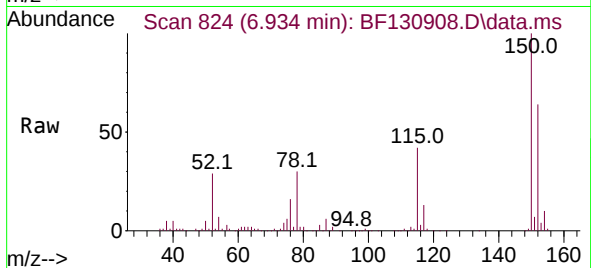
Reviewed By : Christian Giraldo 11/02/2022
Supervised By : Jagrut Upadhyay 11/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

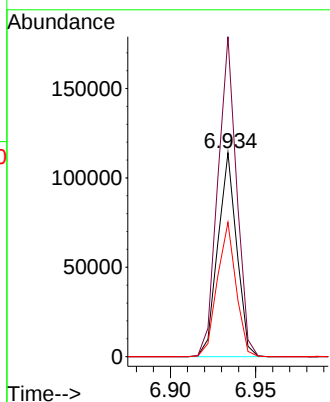
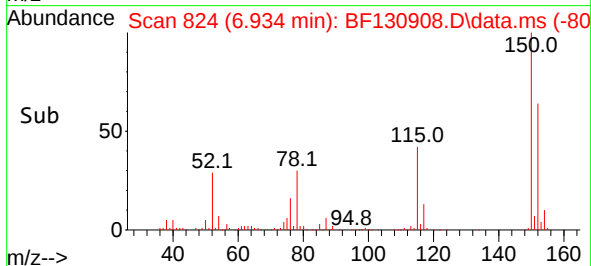
Instrument :
BNA_F
ClientSampleId :
LSP-SS-04-05-15



Tgt Ion:152 Resp: 87648
Ion Ratio Lower Upper
152 100
150 156.9 124.1 186.1
115 65.8 50.1 75.1

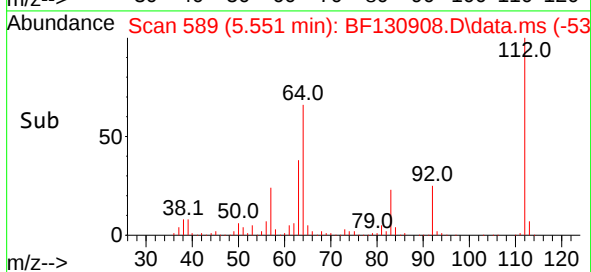
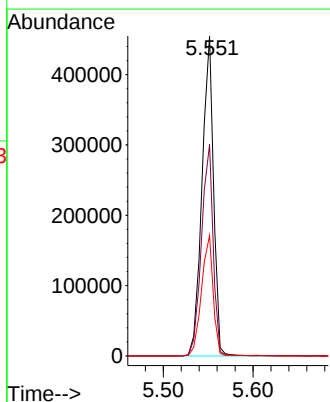
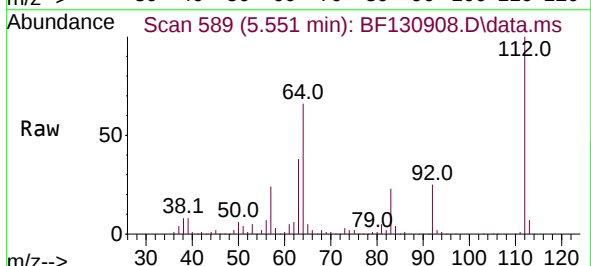
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#5
2-Fluorophenol
Concen: 80.285 ng
RT: 5.551 min Scan# 589
Delta R.T. 0.000 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

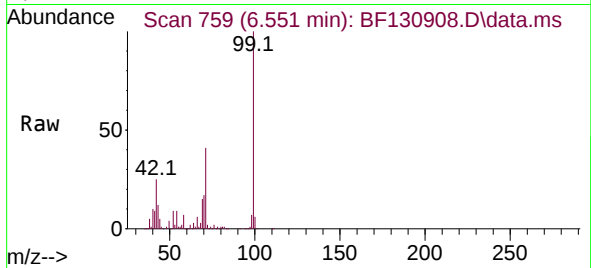
Tgt Ion:112 Resp: 405906
Ion Ratio Lower Upper
112 100
64 66.1 53.9 80.9
63 37.6 29.4 44.2





#7
Phenol-d6
Concen: 75.879 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

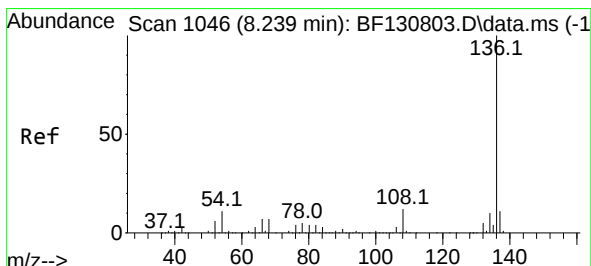
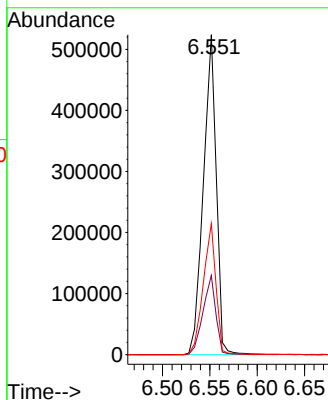
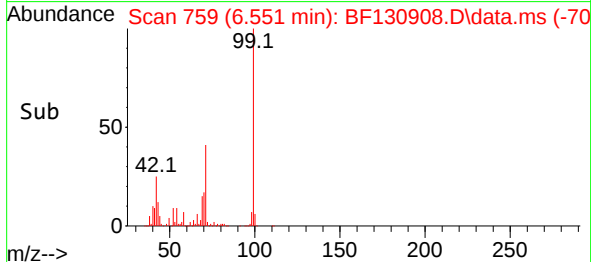
Instrument :
BNA_F
ClientSampleId :
LSP-SS-04-05-15



Tgt Ion: 99 Resp: 498524
Ion Ratio Lower Upper
99 100
42 24.7 18.8 28.2
71 40.9 31.4 47.0

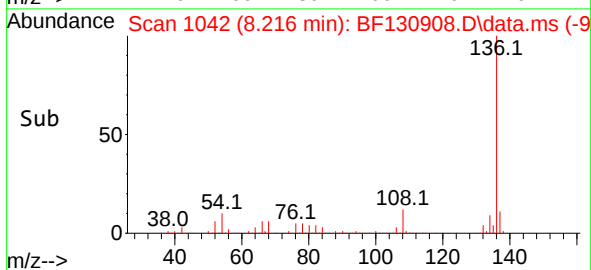
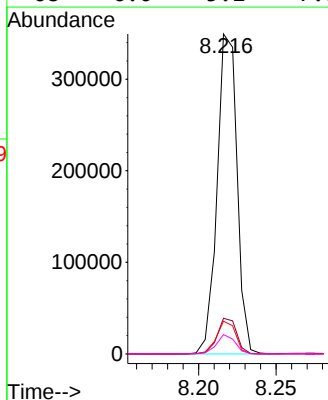
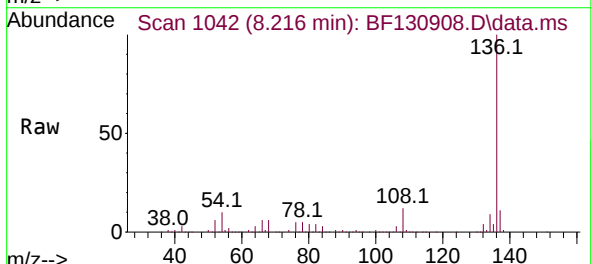
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

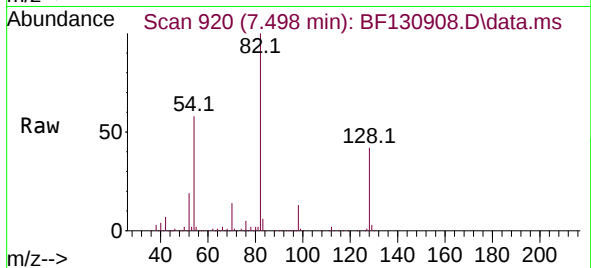
Tgt Ion:136 Resp: 313560
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 10.2 8.8 13.2
68 6.0 5.2 7.8





#23
Nitrobenzene-d5
Concen: 64.316 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

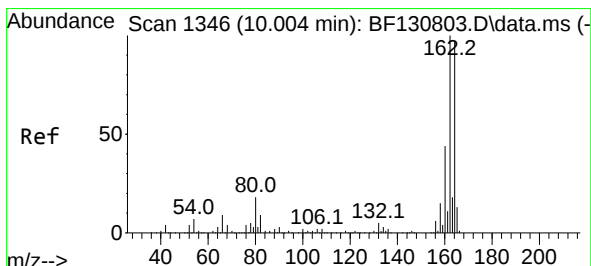
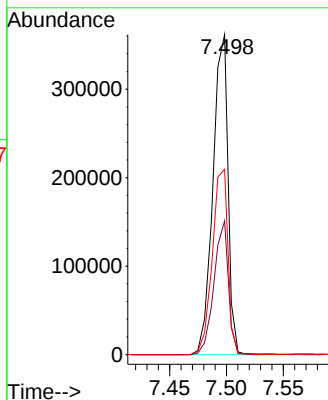
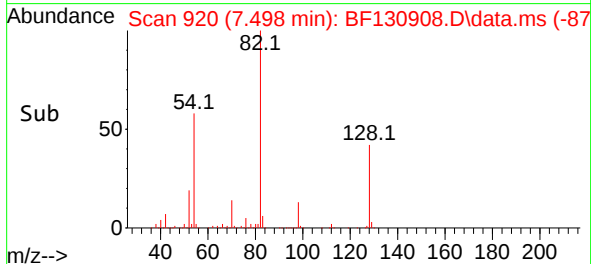
Instrument :
BNA_F
ClientSampleId :
LSP-SS-04-05-15



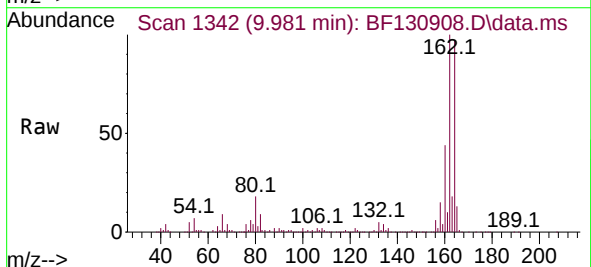
Tgt Ion: 82 Resp: 334448
Ion Ratio Lower Upper
82 100
128 41.8 31.2 46.8
54 57.9 48.0 72.0

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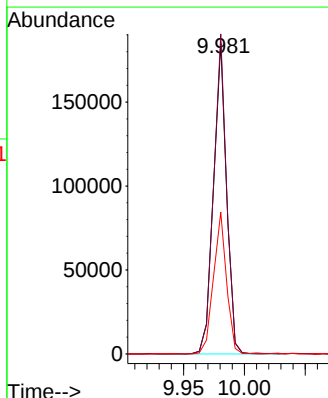
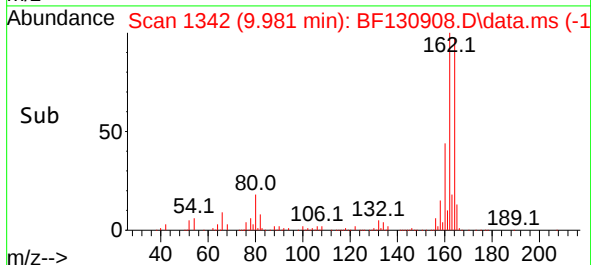
Reviewed By :Christian Giraldo 11/02/2022
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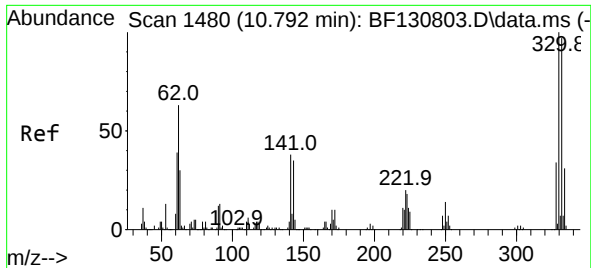


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26



Tgt Ion:164 Resp: 138136
Ion Ratio Lower Upper
164 100
162 102.9 82.2 123.2
160 45.5 36.6 54.8





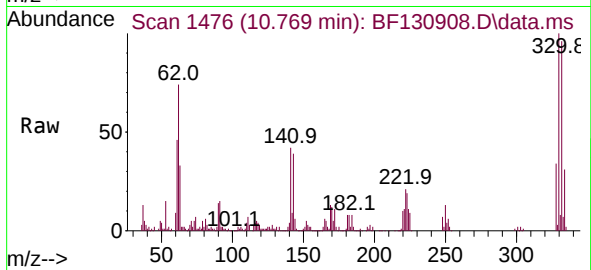
#42
2,4,6-Tribromophenol
Concen: 70.249 ng
RT: 10.769 min Scan# 1480
Delta R.T. -0.012 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

Instrument :

BNA_F

ClientSampleId :

LSP-SS-04-05-15

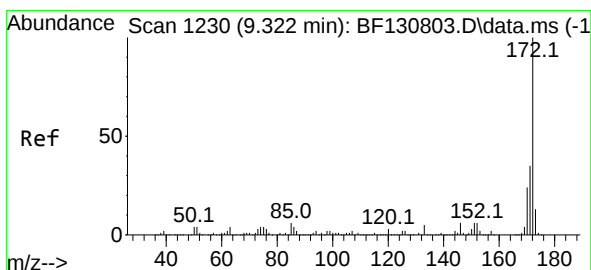
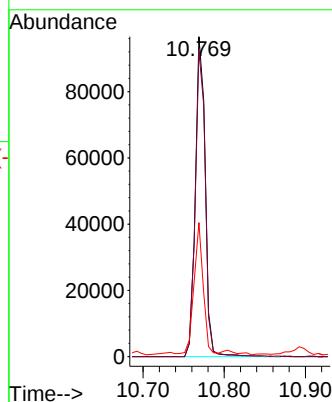
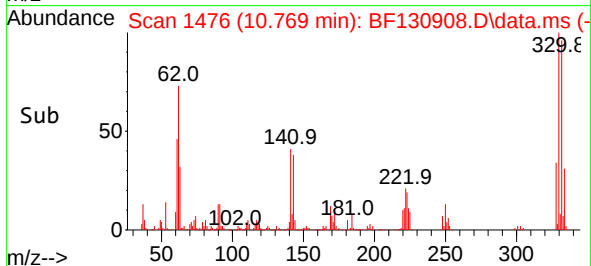


Tgt Ion: 330 Resp: 8168
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 37.5 31.4 47.0

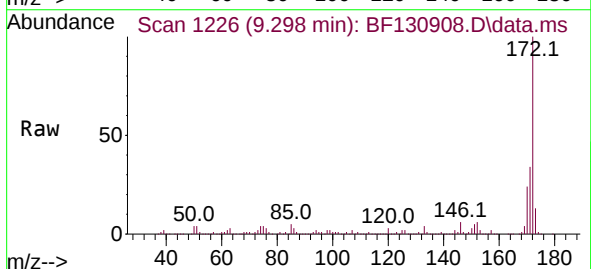
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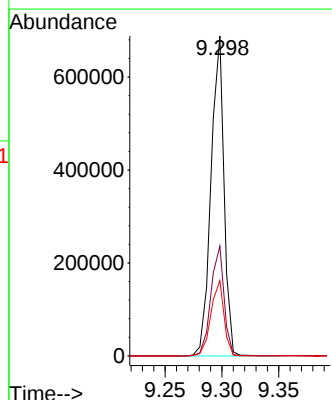
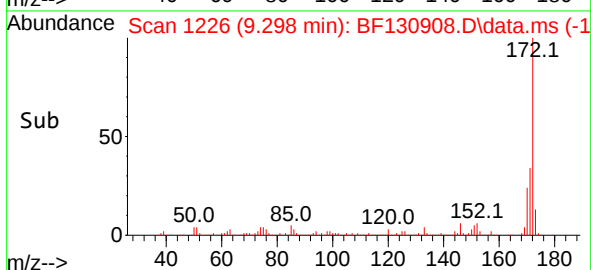
Reviewed By : Christian Giraldo 11/02/2022
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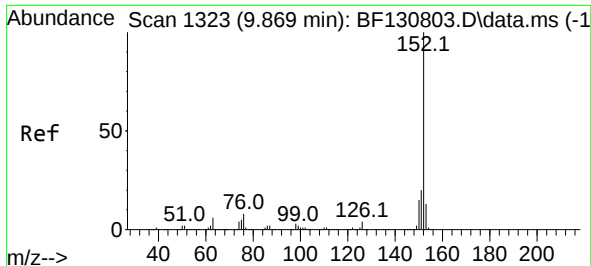


#45
2-Fluorobiphenyl
Concen: 60.353 ng
RT: 9.298 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26



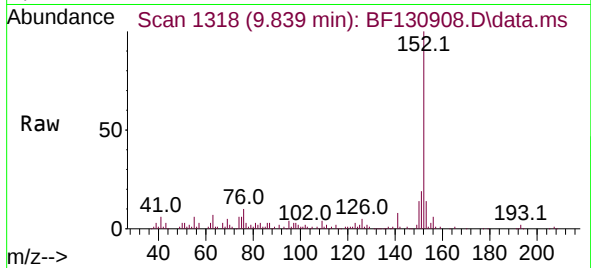
Tgt Ion: 172 Resp: 551431
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.5 19.0 28.4





#49
Acenaphthylene
Concen: 4.187 ng
RT: 9.839 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

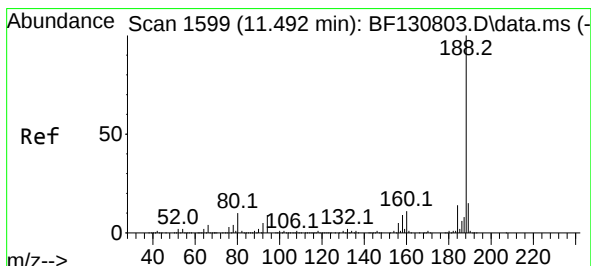
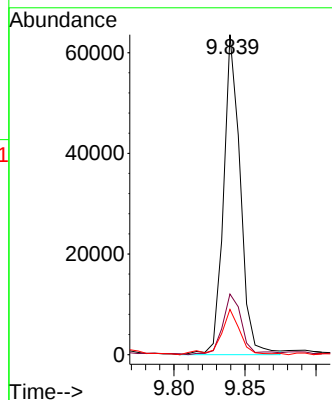
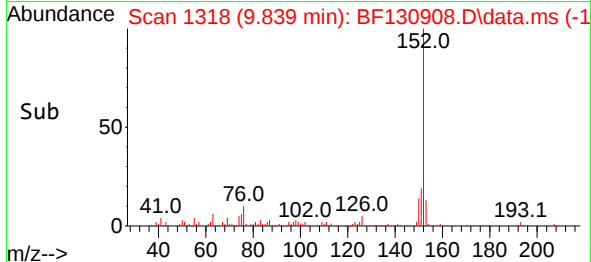
Instrument :
BNA_F
ClientSampleId :
LSP-SS-04-05-15



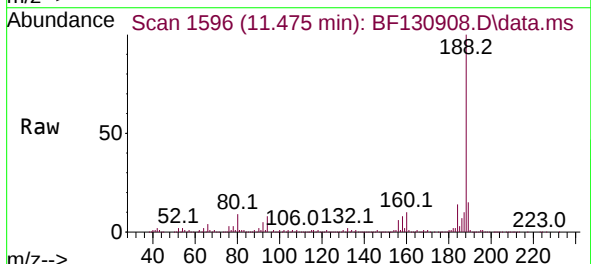
Tgt Ion:152 Resp: 52219
Ion Ratio Lower Upper
152 100
151 18.9 15.8 23.8
153 14.1 10.2 15.4

Manual Integrations
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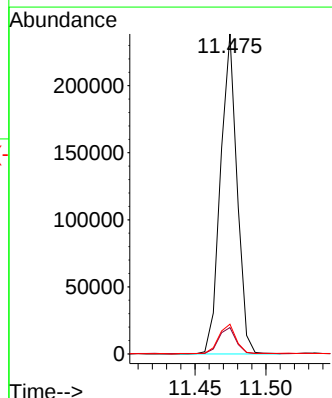
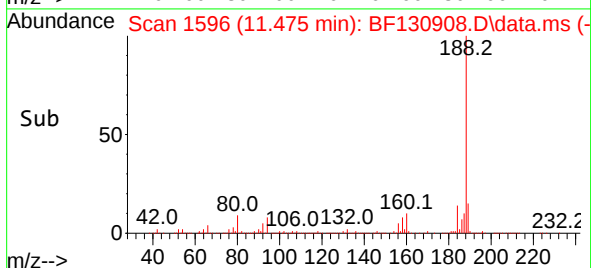
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022

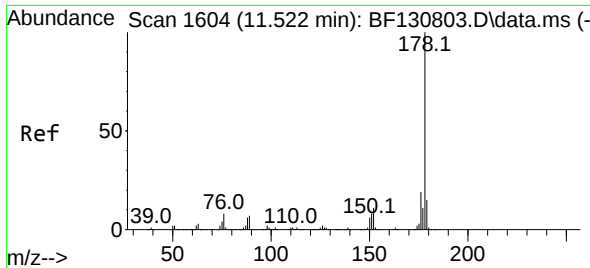


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.475 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26



Tgt Ion:188 Resp: 194014
Ion Ratio Lower Upper
188 100
94 8.2 7.4 11.2
80 9.3 8.0 12.0





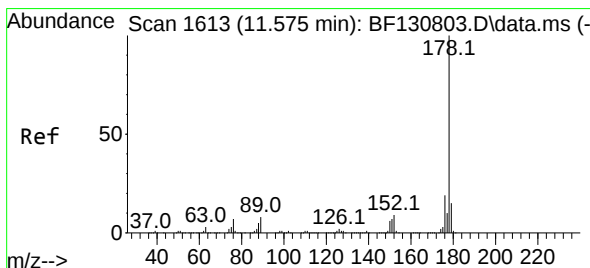
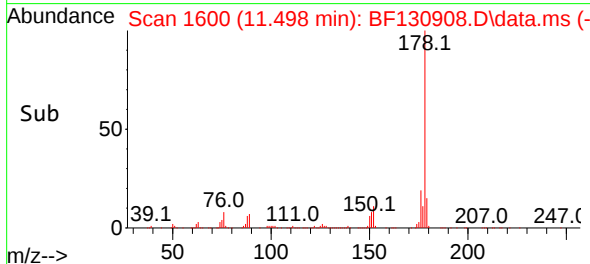
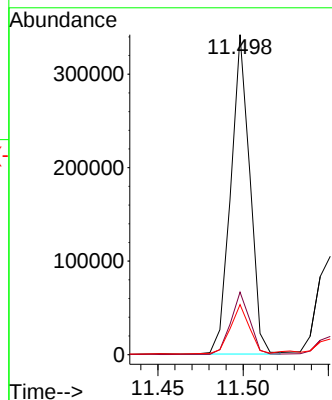
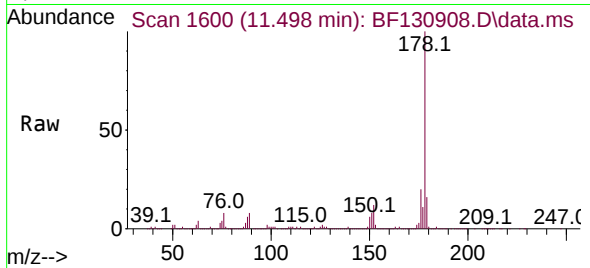
#71
Phenanthrene
Concen: 26.483 ng
RT: 11.498 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

Instrument :
BNA_F
ClientSampleId :
LSP-SS-04-05-15

Tgt Ion:178 Resp: 265197
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.6 12.2 18.2

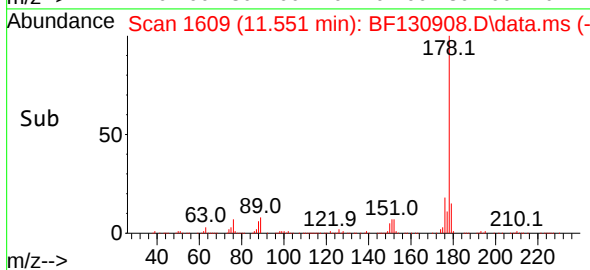
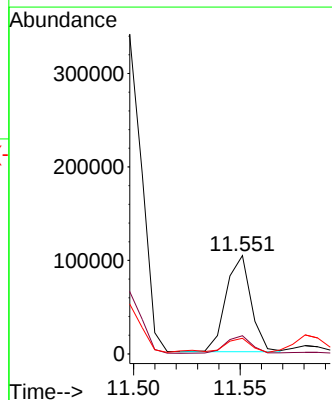
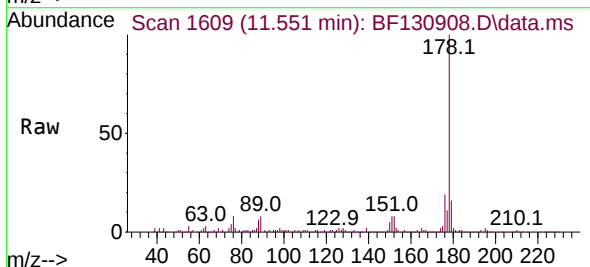
Manual Integrations
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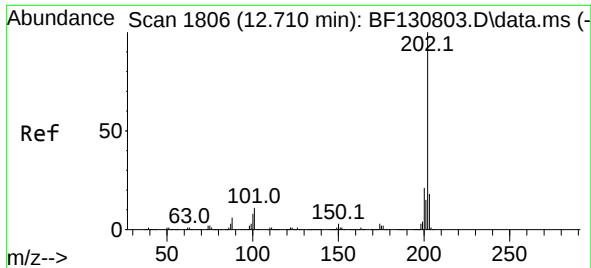
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#72
Anthracene
Concen: 8.573 ng
RT: 11.551 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

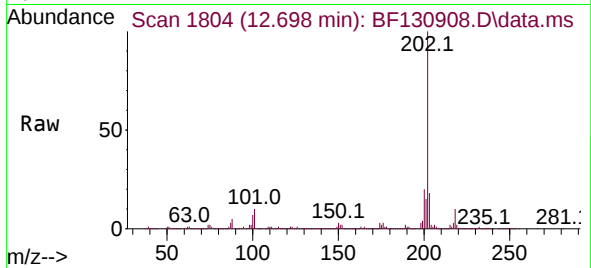
Tgt Ion:178 Resp: 84676
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.8 12.2 18.4





#75
Fluoranthene
Concen: 55.938 ng
RT: 12.698 min Scan# 1804
Delta R.T. 0.000 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

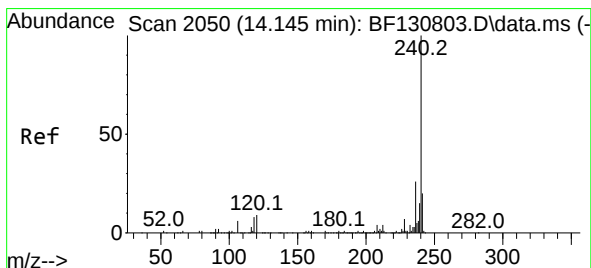
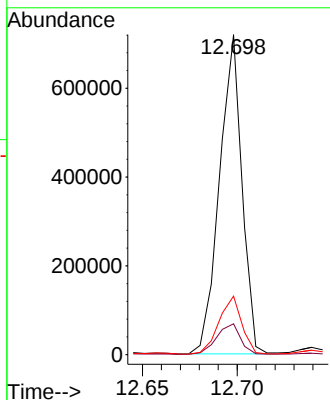
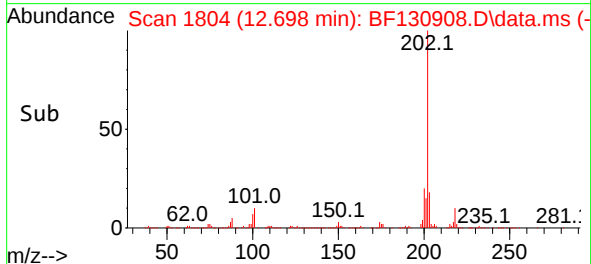
Instrument :
BNA_F
ClientSampleId :
LSP-SS-04-05-15



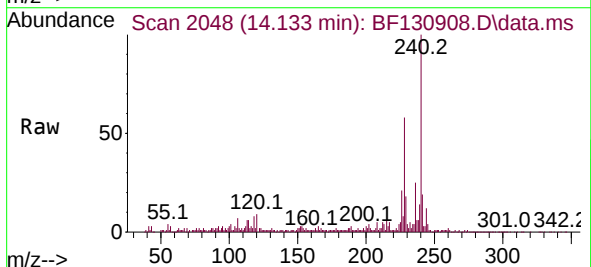
Tgt Ion:202 Resp: 595149
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.9
203 18.3 0.0 37.7

Manual Integrations
APPROVED

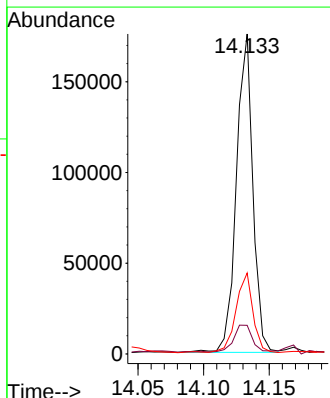
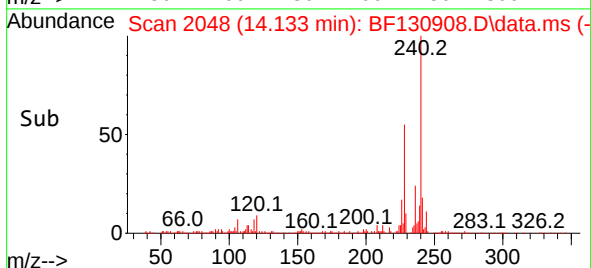
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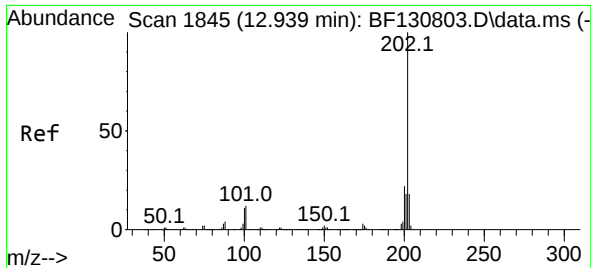


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2048
Delta R.T. 0.006 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26



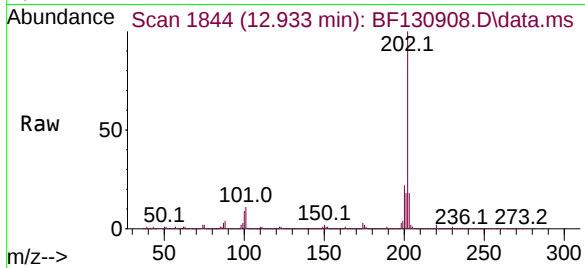
Tgt Ion:240 Resp: 152797
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.4
236 25.3 20.5 30.7





#78
Pyrene
Concen: 82.630 ng
RT: 12.933 min Scan# 1845
Delta R.T. 0.006 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

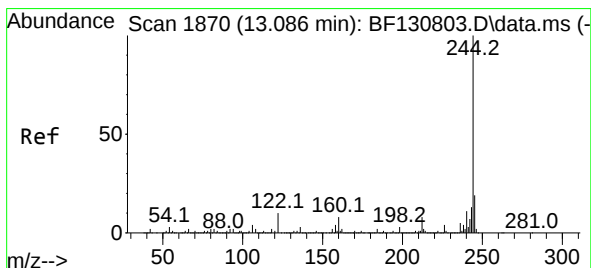
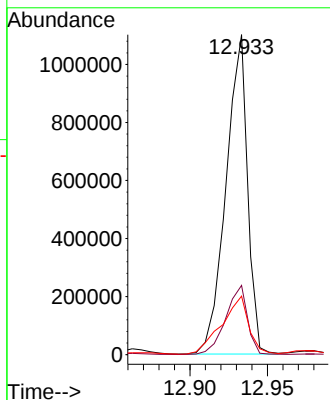
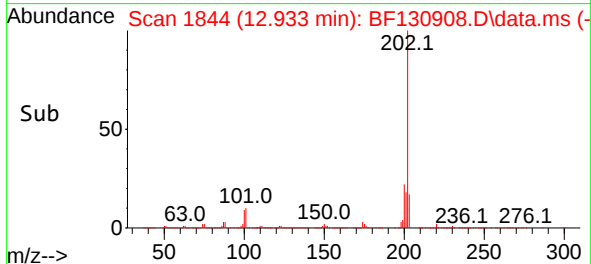
Instrument :
BNA_F
ClientSampleId :
LSP-SS-04-05-15



Tgt Ion:202 Resp: 1065194
Ion Ratio Lower Upper
202 100
200 21.6 17.2 25.8
203 18.3 14.5 21.7

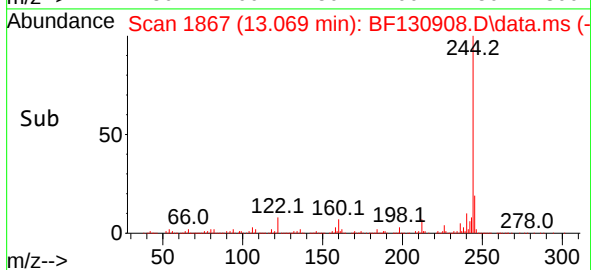
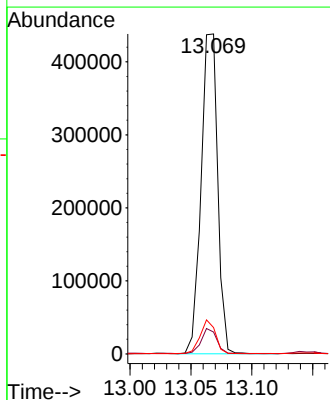
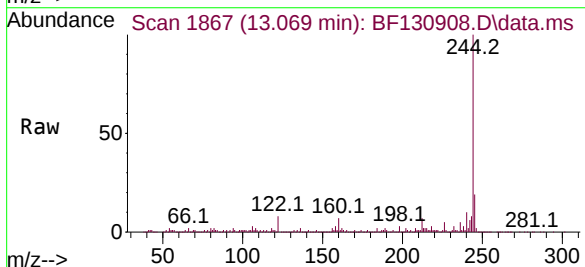
Manual Integrations
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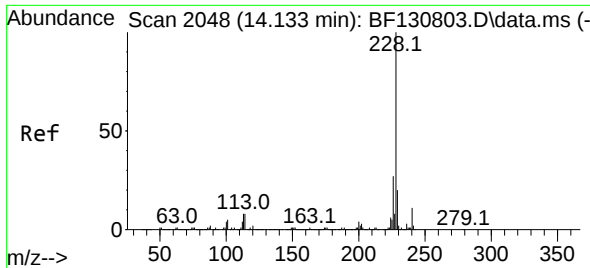
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#79
Terphenyl-d14
Concen: 49.987 ng
RT: 13.069 min Scan# 1867
Delta R.T. 0.000 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

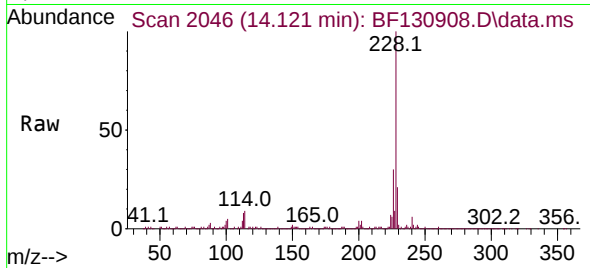
Tgt Ion:244 Resp: 416809
Ion Ratio Lower Upper
244 100
212 6.8 6.2 9.2
122 8.2 7.9 11.9





#81
Benzo(a)anthracene
Concen: 64.774 ng
RT: 14.121 min Scan# 2046
Delta R.T. 0.006 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

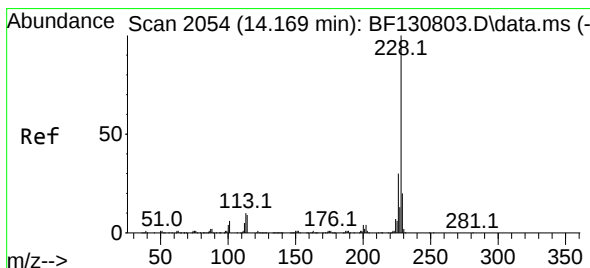
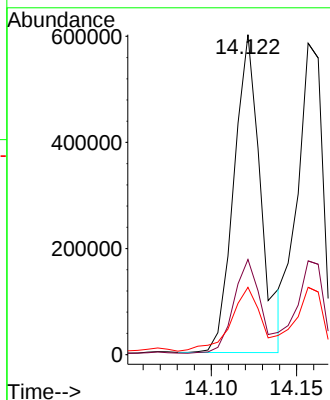
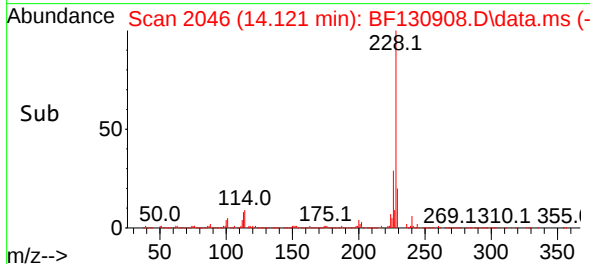
Instrument :
BNA_F
ClientSampleId :
LSP-SS-04-05-15



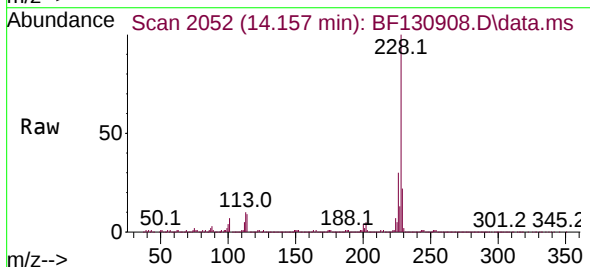
Tgt Ion:228 Resp: 656193
Ion Ratio Lower Upper
228 100
226 29.7 21.4 32.2
229 21.0 15.8 23.6

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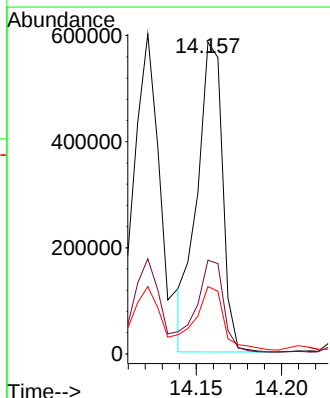
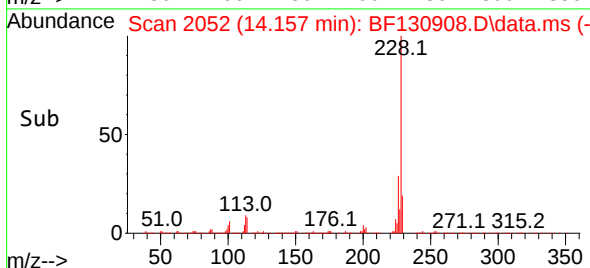
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022

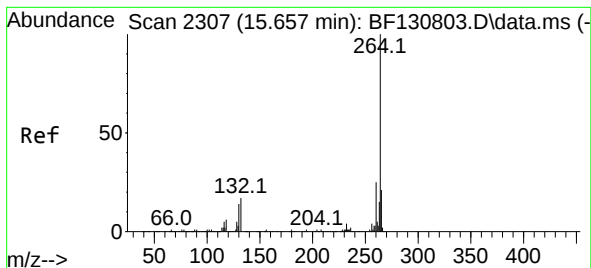


#83
Chrysene
Concen: 62.266 ng
RT: 14.157 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26



Tgt Ion:228 Resp: 608441
Ion Ratio Lower Upper
228 100
226 30.1 23.9 35.9
229 21.6 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 2307

Delta R.T. 0.006 min

Lab File: BF130908.D

Acq: 01 Nov 2022 19:26

Instrument :

BNA_F

ClientSampleId :

LSP-SS-04-05-15

Tgt Ion:264 Resp: 111245

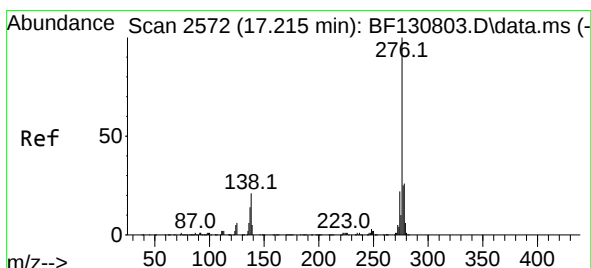
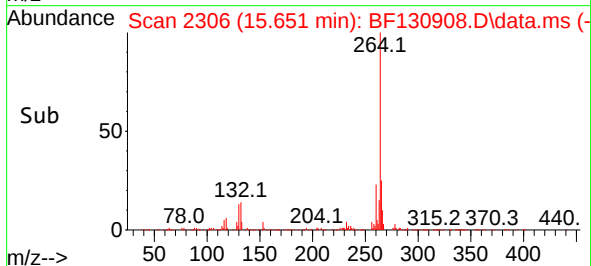
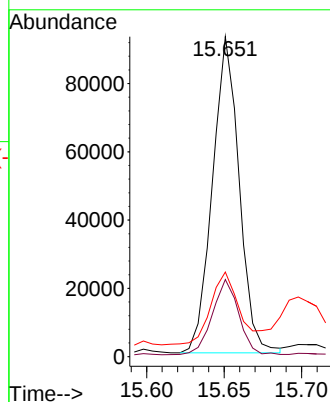
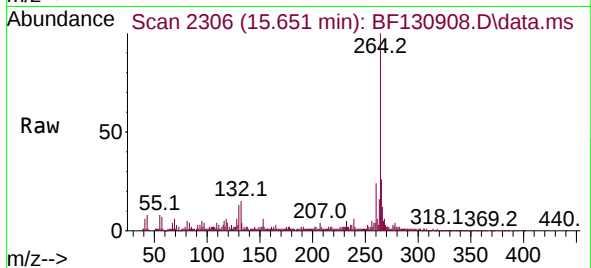
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.9	29.9
265	26.4	17.0	25.6

Manual Integrations

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Reviewed By :Christian Giraldo 11/02/2022

Supervised By :Jagrut Upadhyay 11/02/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 25.802 ng

RT: 17.198 min Scan# 2569

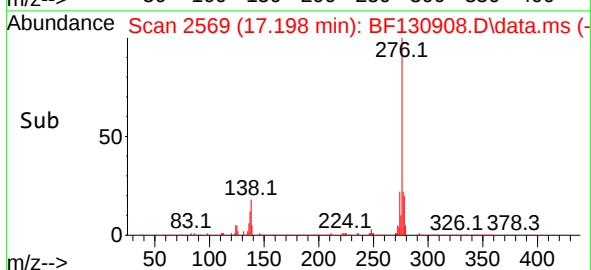
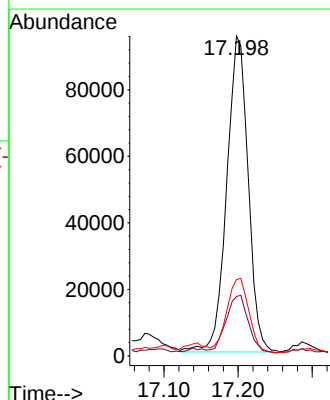
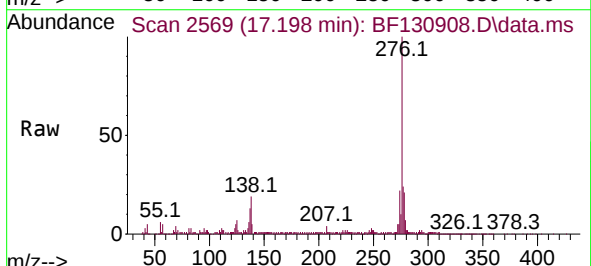
Delta R.T. 0.006 min

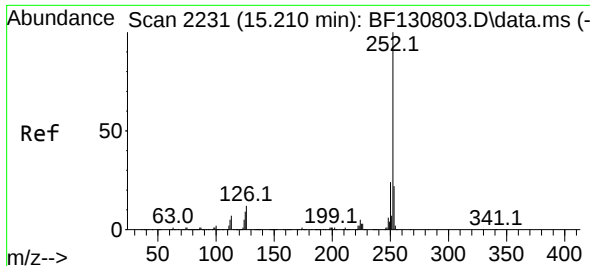
Lab File: BF130908.D

Acq: 01 Nov 2022 19:26

Tgt Ion:276 Resp: 190616

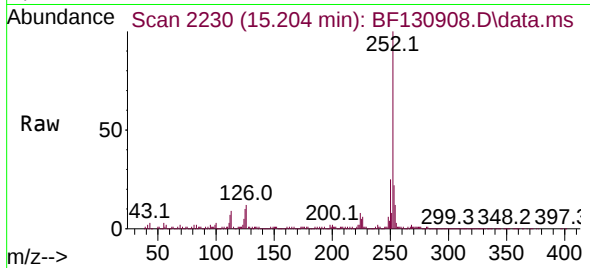
Ion	Ratio	Lower	Upper
276	100		
138	19.0	19.1	28.7
277	24.5	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 67.277 ng m
RT: 15.204 min Scan# 2231
Delta R.T. 0.012 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

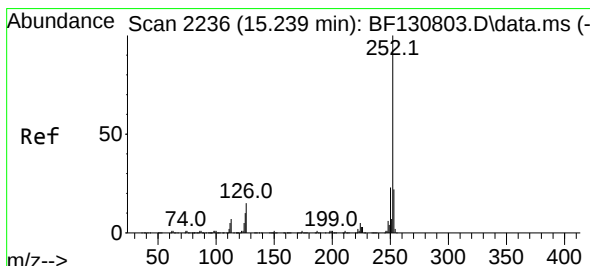
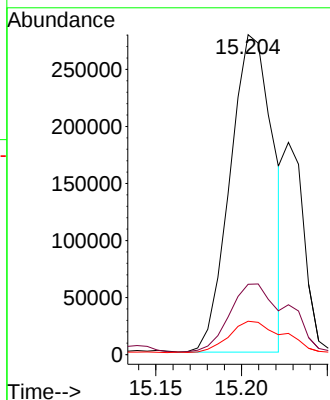
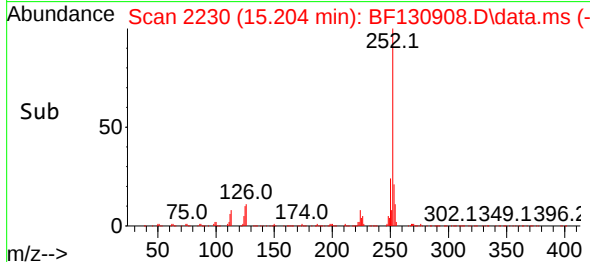
Instrument :
BNA_F
ClientSampleId :
LSP-SS-04-05-15



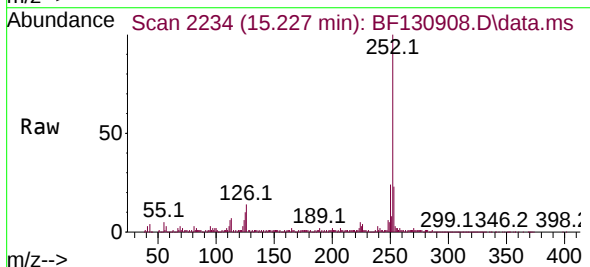
Tgt Ion:252 Resp: 483800
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 10.4 7.0 10.4

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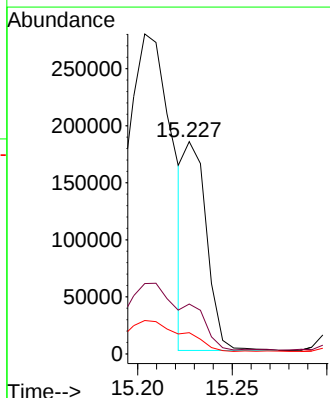
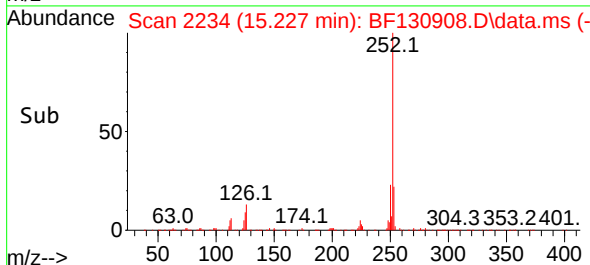
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022

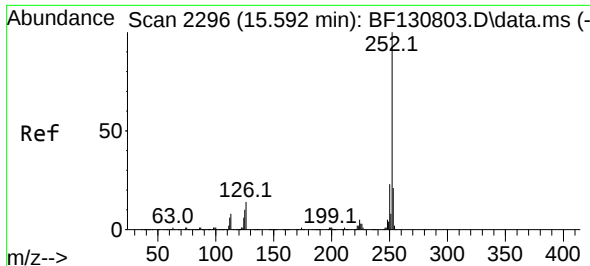


#89
Benzo(k)fluoranthene
Concen: 21.203 ng m
RT: 15.227 min Scan# 2234
Delta R.T. 0.000 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26



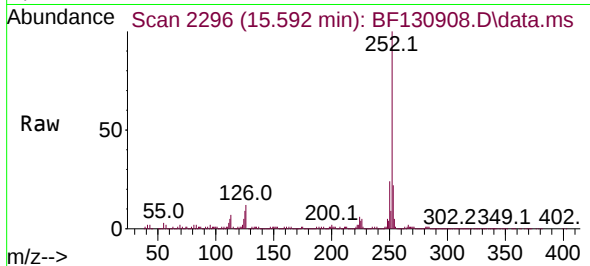
Tgt Ion:252 Resp: 148575
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.0 8.0 12.0





#90
Benzo(a)pyrene
Concen: 71.112 ng
RT: 15.592 min Scan# 2296
Delta R.T. 0.012 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

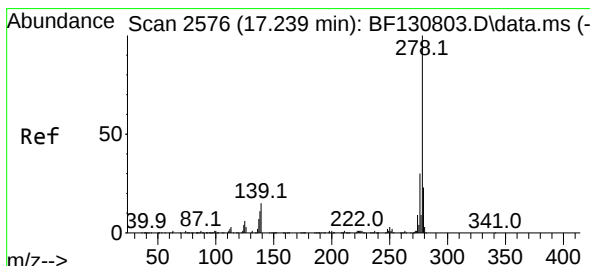
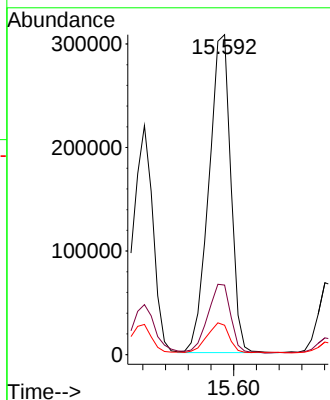
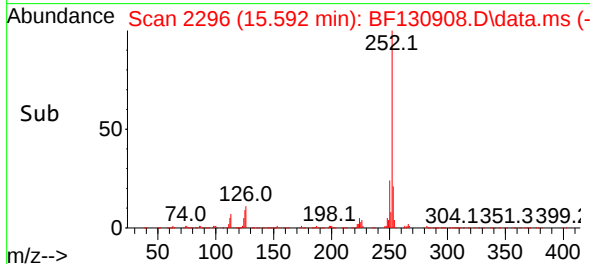
Instrument :
BNA_F
Client Sample Id :
LSP-SS-04-05-15



Tgt Ion: 252 Resp: 411090
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 9.2 8.3 12.5

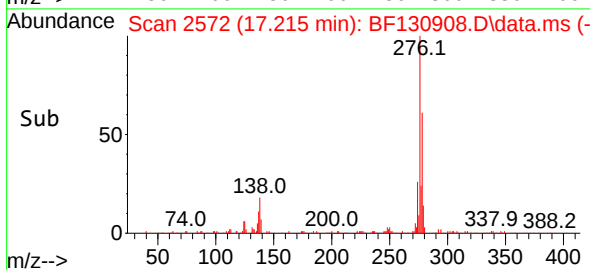
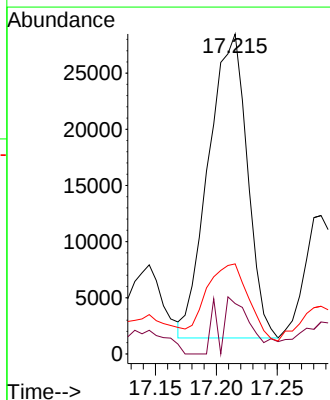
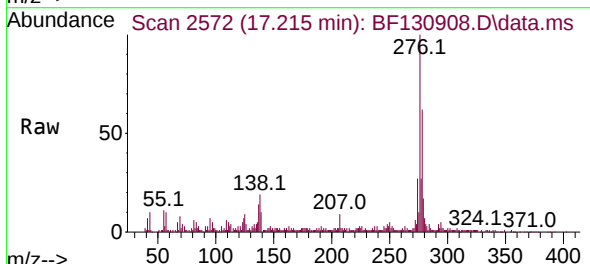
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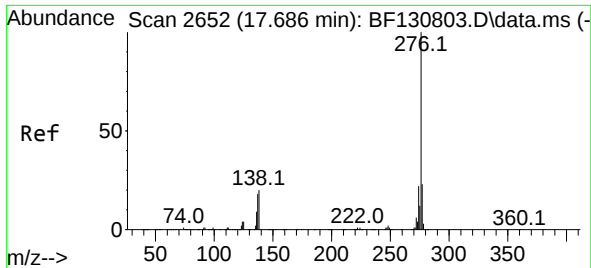
Reviewed By : Christian Giraldo 11/02/2022
Supervised By : Jagrut Upadhyay 11/02/2022



#91
Dibenzo(a,h)anthracene
Concen: 9.963 ng
RT: 17.215 min Scan# 2572
Delta R.T. 0.000 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

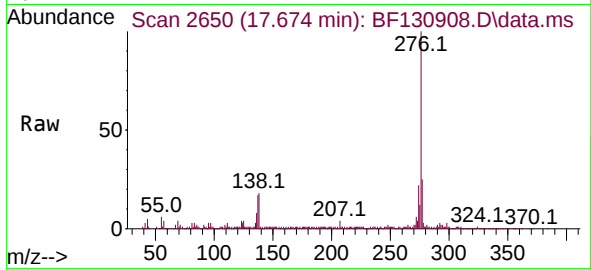
Tgt Ion: 278 Resp: 60000
Ion Ratio Lower Upper
278 100
139 15.7 11.9 17.9
279 28.1 18.6 28.0





#92
Benzo(g,h,i)perylene
Concen: 31.067 ng
RT: 17.674 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF130908.D
Acq: 01 Nov 2022 19:26

Instrument :
BNA_F
ClientSampleId :
LSP-SS-04-05-15



Tgt Ion: 276 Resp: 190874
Ion Ratio Lower Upper
276 100
277 24.9 18.8 28.2
138 18.1 16.3 24.5

Manual Integrations
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Reviewed By : Christian Giraldo 11/02/2022
Supervised By : Jagrut Upadhyay 11/02/2022

