

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121922\
 Data File : BF131703.D
 Acq On : 19 Dec 2022 22:47
 Operator : CG\JU
 Sample : N6038-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-36-(0-2)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/20/2022
 Supervised By : Jagrut Upadhyay 12/20/2022

Quant Time: Dec 20 01:08:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 00:23:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69028	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	228326	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	108170	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	176144	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	162051	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	168753	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	416242	100.598	ng	0.00
7) Phenol-d6	6.504	99	520804	96.052	ng	0.00
23) Nitrobenzene-d5	7.440	82	364138	60.295	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	98480	81.944	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	539431	62.878	ng	0.00
79) Terphenyl-d14	13.010	244	447378	37.861	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	133708	13.619	ng	99
72) Anthracene	11.492	178	24513	2.566	ng	97
75) Fluoranthene	12.639	202	371242	36.720	ng	99
78) Pyrene	12.869	202	332667	20.819	ng	100
81) Benzo(a)anthracene	14.063	228	268689	22.960	ng	97
83) Chrysene	14.098	228	243568	21.892	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	5444	3.842	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	120817	8.773	ng	98
88) Benzo(b)fluoranthene	15.133	252	352257m	31.671	ng	
89) Benzo(k)fluoranthene	15.163	252	125167m	10.782	ng	
90) Benzo(a)pyrene	15.510	252	233692	24.620	ng	# 97
92) Benzo(g,h,i)perylene	17.551	276	102961	9.038	ng	98

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

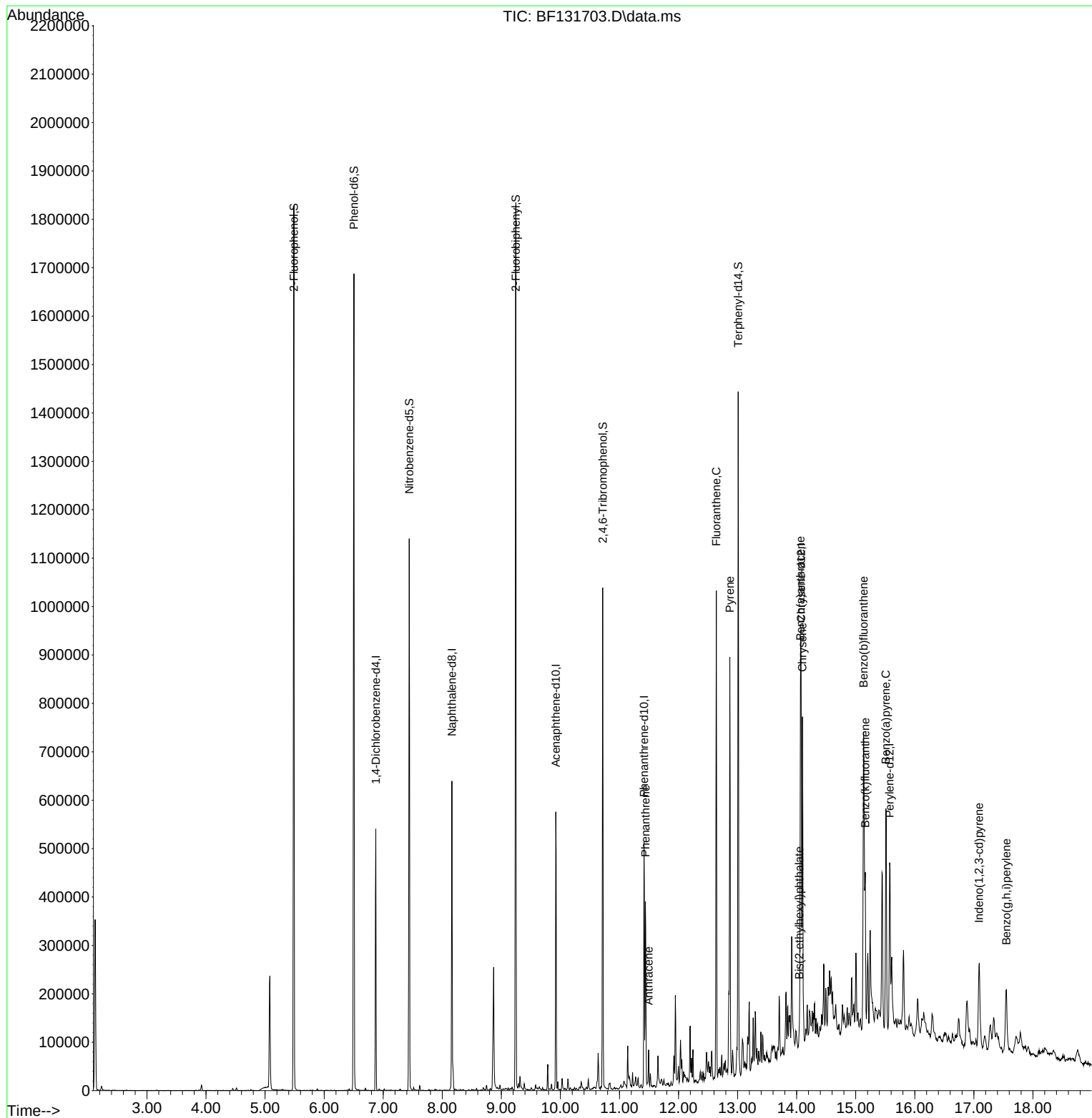
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121922\
Data File : BF131703.D
Acq On : 19 Dec 2022 22:47
Operator : CG\JU
Sample : N6038-14
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ALS Vial : 21 Sample Multiplier: 1

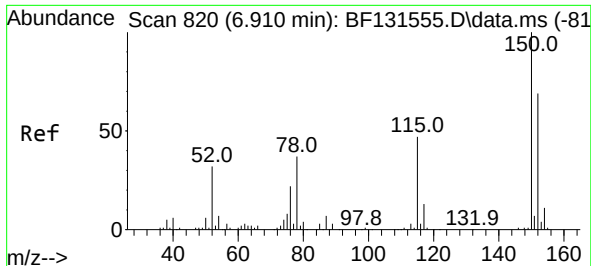
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

Quant Time: Dec 20 01:08:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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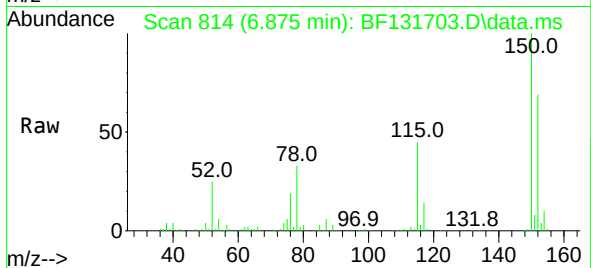
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

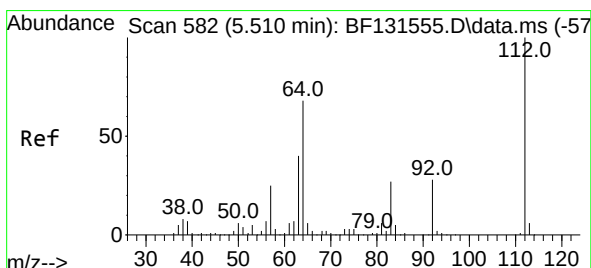
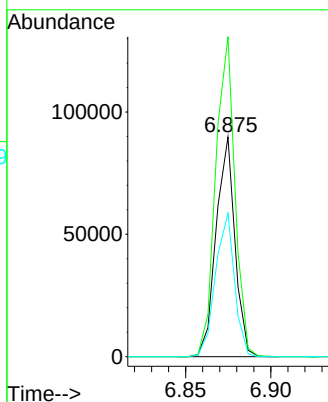
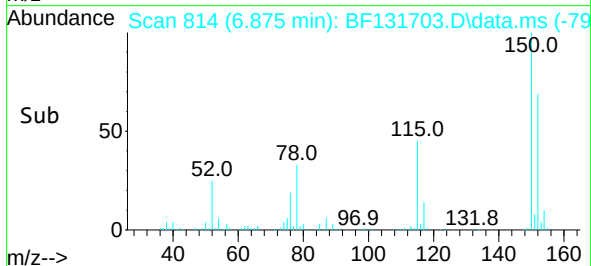
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)



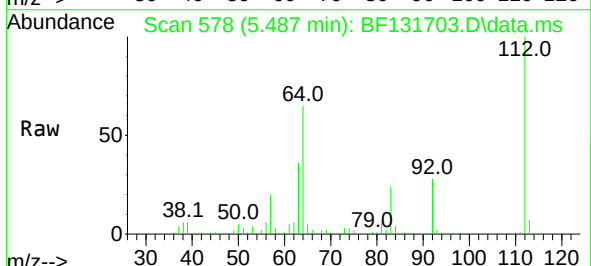
Tgt Ion:152 Resp: 69028
Ion Ratio Lower Upper
152 100
150 145.7 116.7 175.1
115 65.3 54.6 82.0

Manual Integrations
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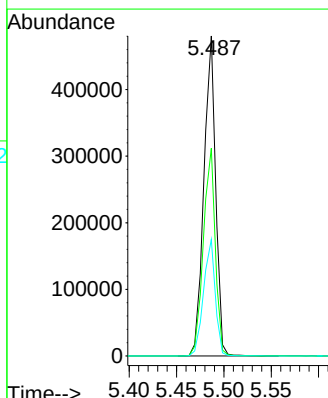
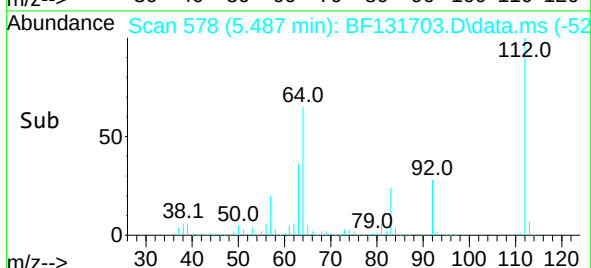
Reviewed By :Christian Giraldo 12/20/2022
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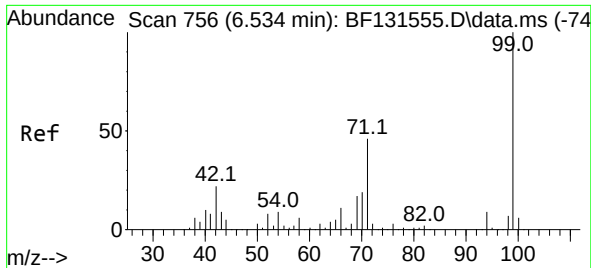


#5
2-Fluorophenol
Concen: 100.598 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47



Tgt Ion:112 Resp: 416242
Ion Ratio Lower Upper
112 100
64 64.9 54.5 81.7
63 36.4 31.9 47.9





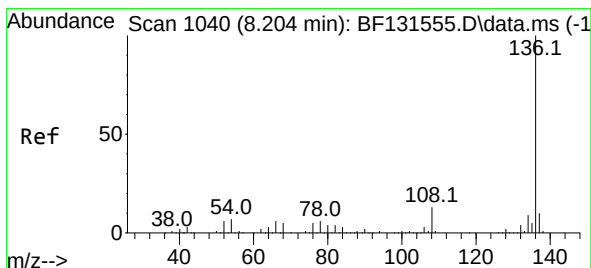
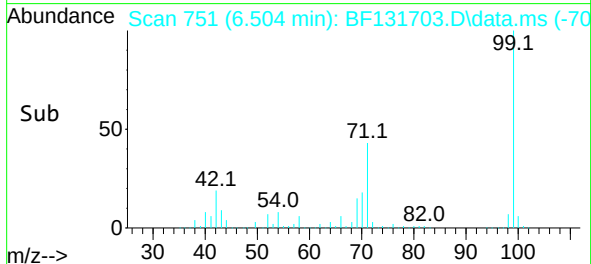
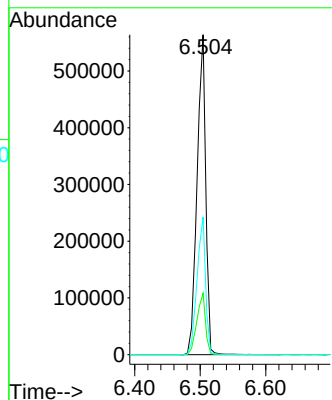
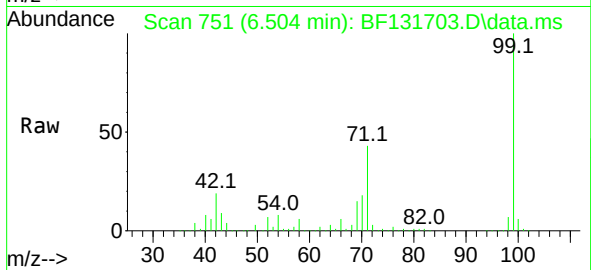
#7
Phenol-d6
Concen: 96.052 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

Tgt Ion: 99 Resp: 520804
Ion Ratio Lower Upper
99 100
42 19.3 17.9 26.9
71 43.1 37.2 55.8

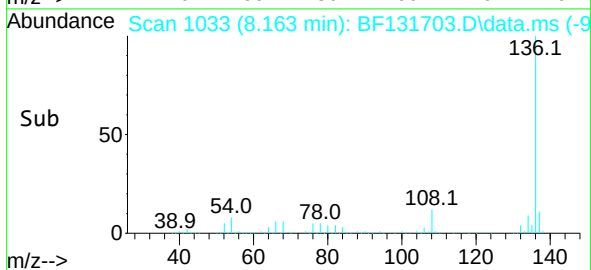
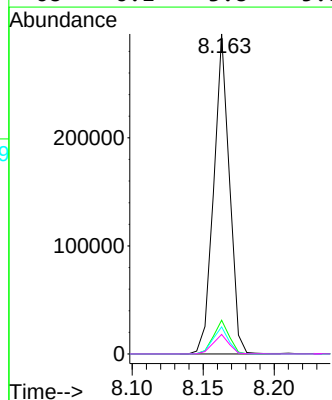
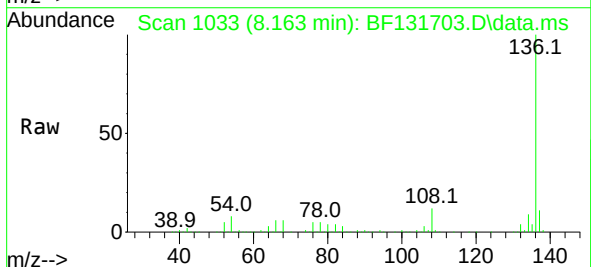
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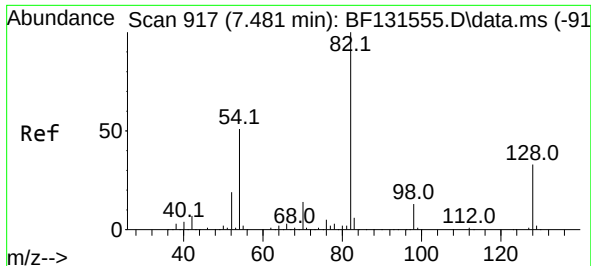
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Tgt Ion:136 Resp: 228326
Ion Ratio Lower Upper
136 100
137 10.6 8.1 12.1
54 8.4 6.0 9.0
68 6.1 3.8 5.8#





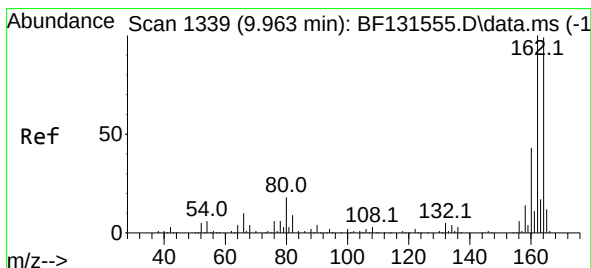
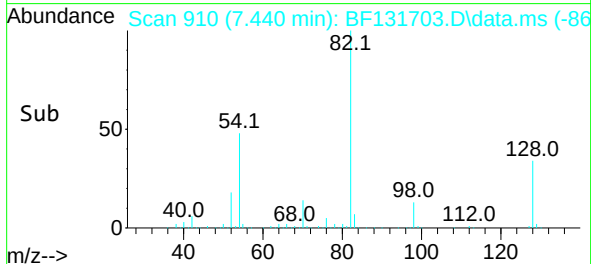
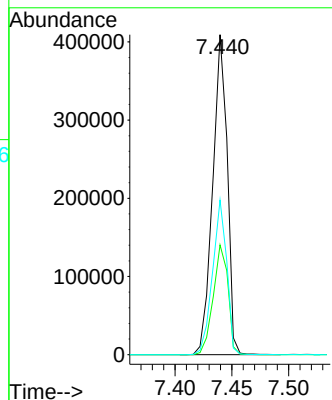
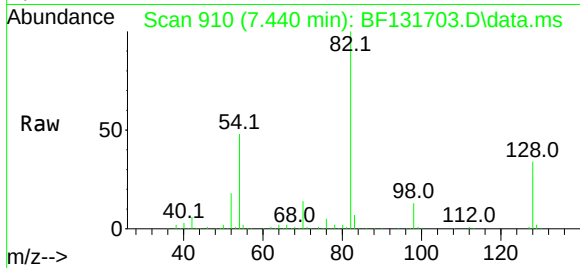
#23
Nitrobenzene-d5
Concen: 60.295 ng
RT: 7.440 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

Tgt Ion: 82 Resp: 364138
Ion Ratio Lower Upper
82 100
128 34.3 26.1 39.1
54 48.4 40.6 60.8

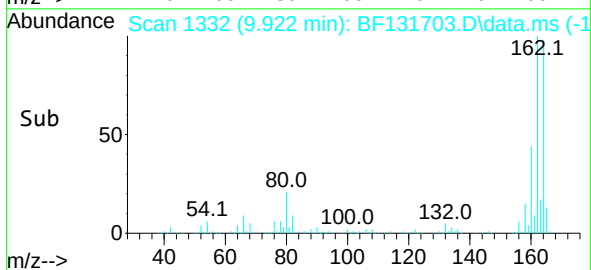
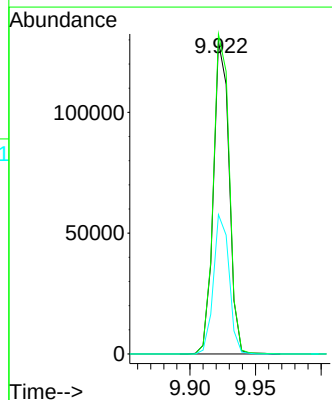
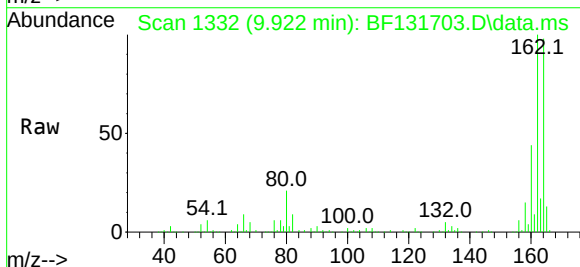
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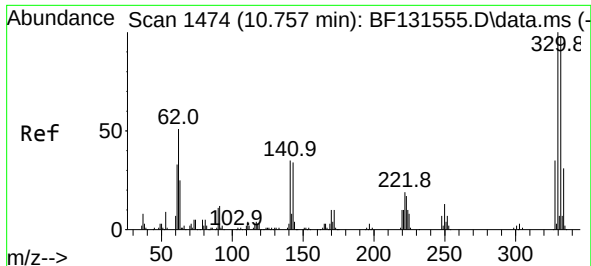
Reviewed By :Christian Giraldo 12/20/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

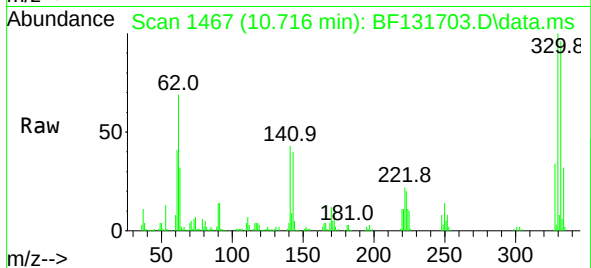
Tgt Ion:164 Resp: 108170
Ion Ratio Lower Upper
164 100
162 102.4 81.0 121.6
160 44.6 35.0 52.6





#42
2,4,6-Tribromophenol
Concen: 81.944 ng
RT: 10.716 min Scan# 1474
Delta R.T. -0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

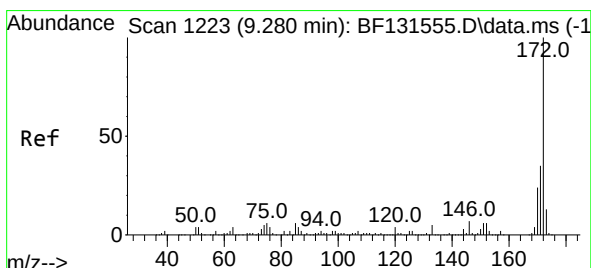
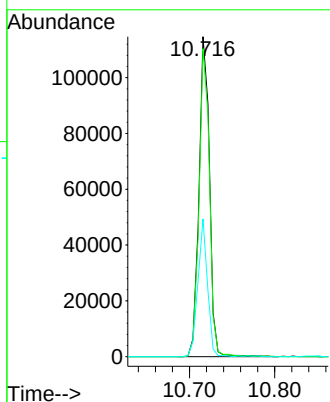
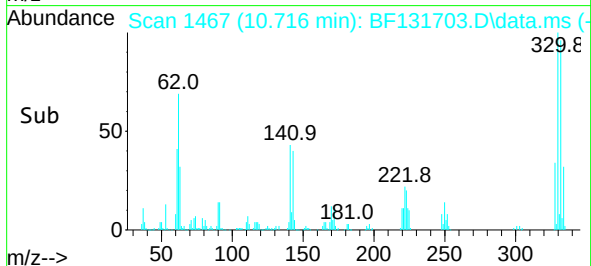
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)



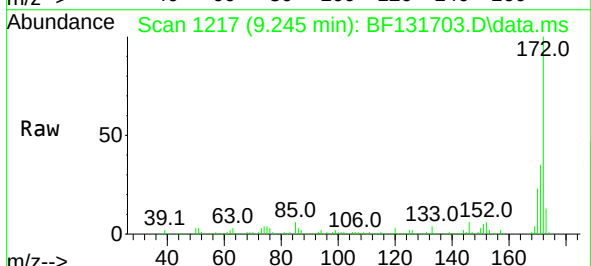
Tgt Ion: 330 Resp: 98480
Ion Ratio Lower Upper
330 100
332 95.2 78.3 117.5
141 39.4 32.6 49.0

Manual Integrations
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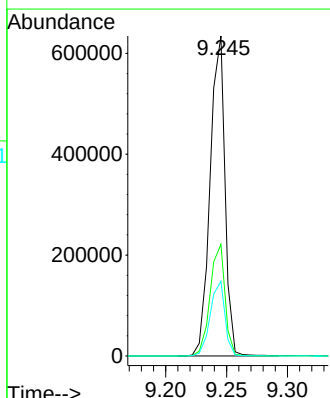
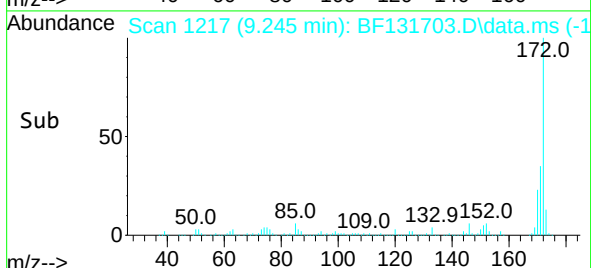
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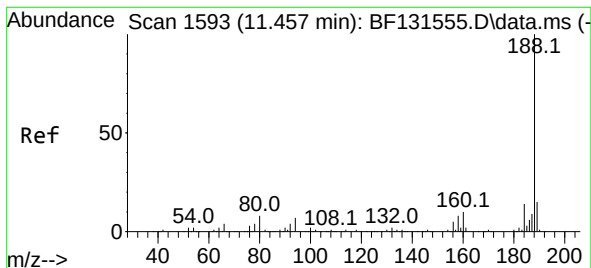


#45
2-Fluorobiphenyl
Concen: 62.878 ng
RT: 9.245 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47



Tgt Ion: 172 Resp: 539431
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.4 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131703.D

Acq: 19 Dec 2022 22:47

Instrument :

BNA_F

ClientSampleId :

RB-36-(0-2)

Tgt Ion:188 Resp: 17614

Ion Ratio Lower Upper

188 100

94 8.9 5.5 8.3

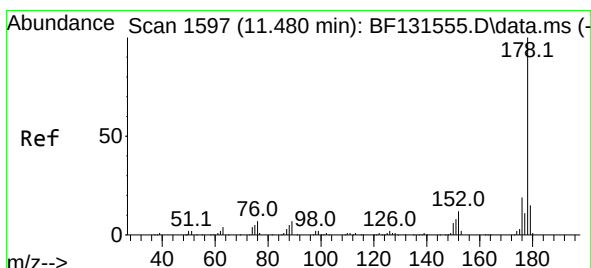
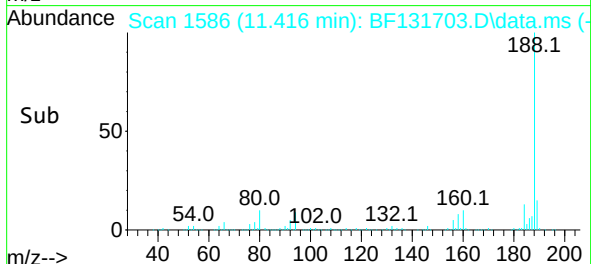
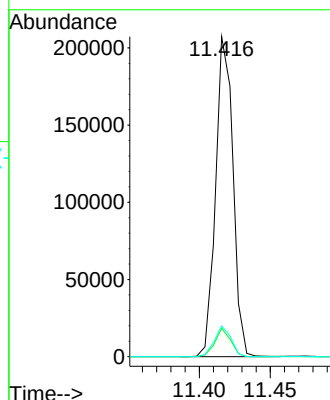
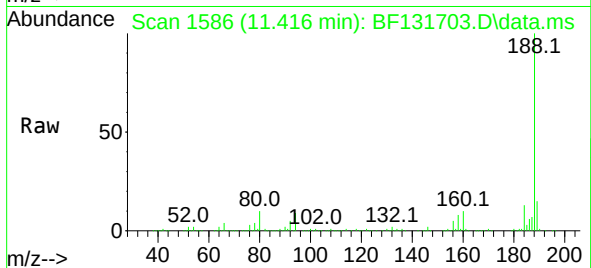
80 9.7 6.6 10.0

Manual Integrations

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Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#71

Phenanthrene

Concen: 13.619 ng

RT: 11.439 min Scan# 1590

Delta R.T. -0.006 min

Lab File: BF131703.D

Acq: 19 Dec 2022 22:47

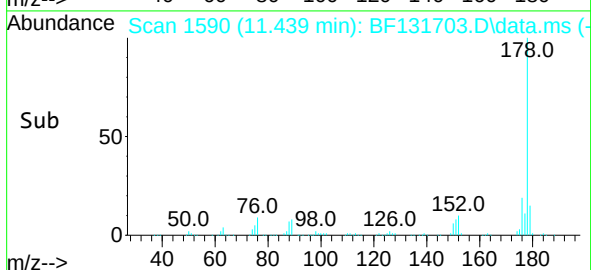
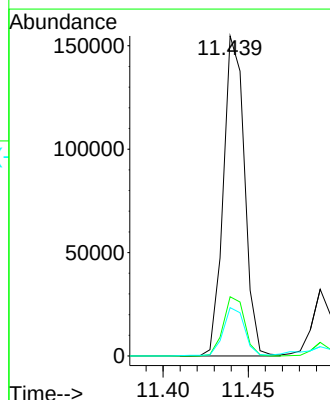
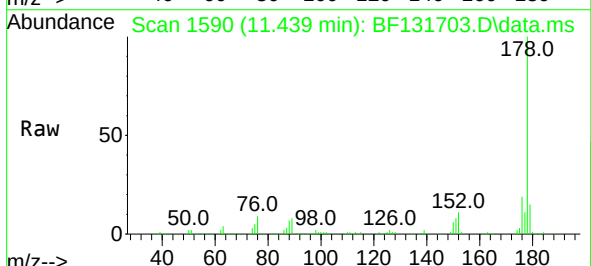
Tgt Ion:178 Resp: 133708

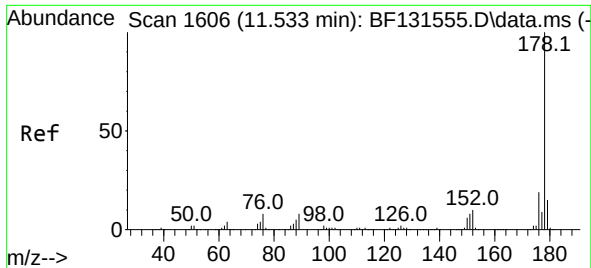
Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

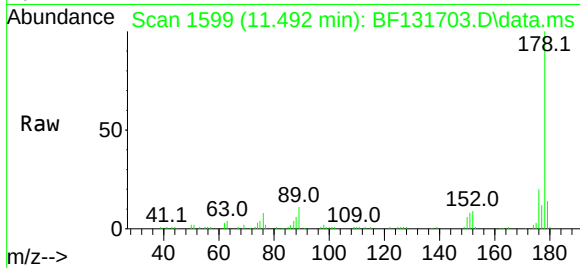
179 15.1 12.2 18.4





#72
 Anthracene
 Concen: 2.566 ng
 RT: 11.492 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF131703.D
 Acq: 19 Dec 2022 22:47

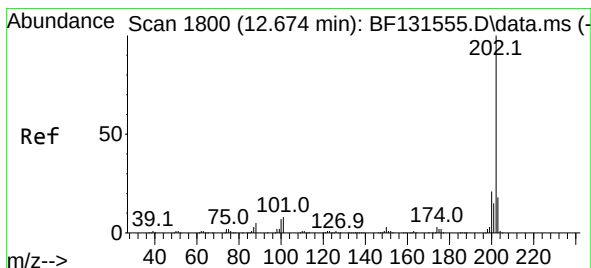
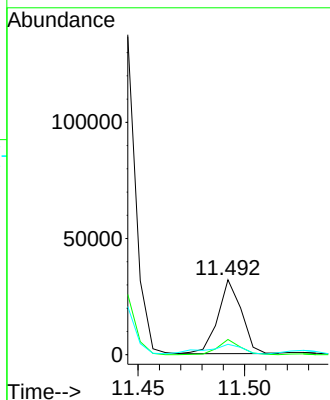
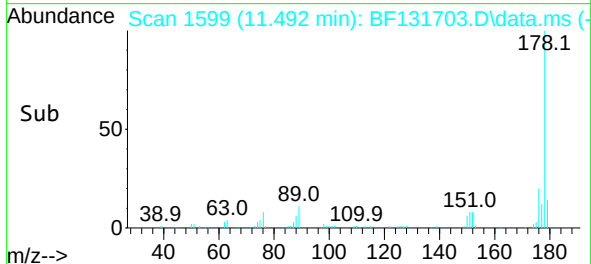
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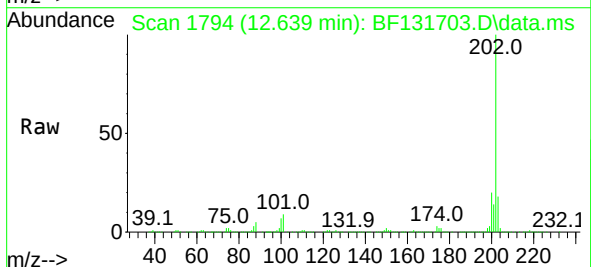
Tgt Ion:178 Resp: 2451
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.0 22.6
 179 13.9 12.3 18.5

Manual Integrations
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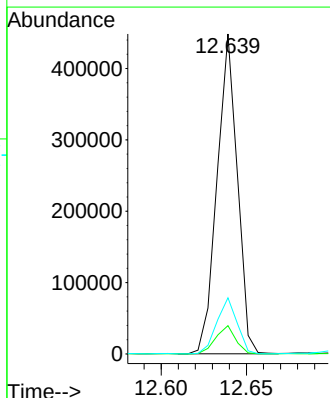
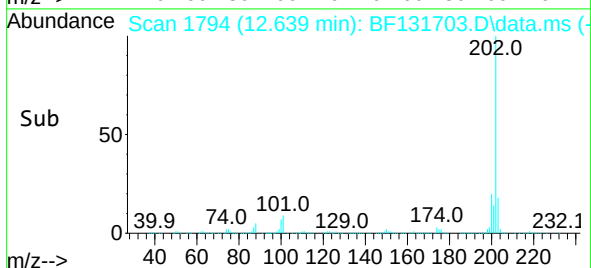
Reviewed By :Christian Giraldo 12/20/2022
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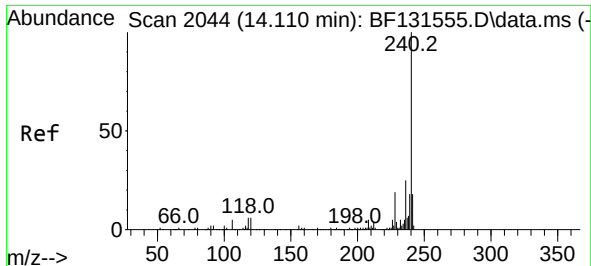


#75
 Fluoranthene
 Concen: 36.720 ng
 RT: 12.639 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: BF131703.D
 Acq: 19 Dec 2022 22:47



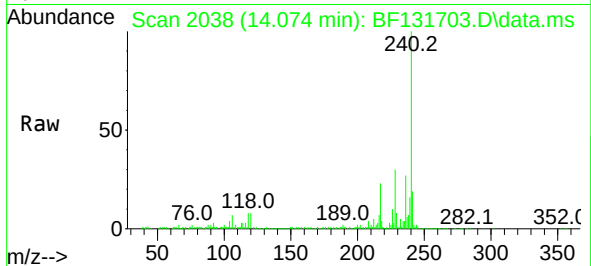
Tgt Ion:202 Resp: 371242
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 27.7
 203 17.5 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

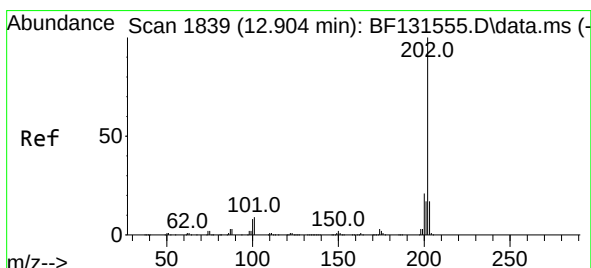
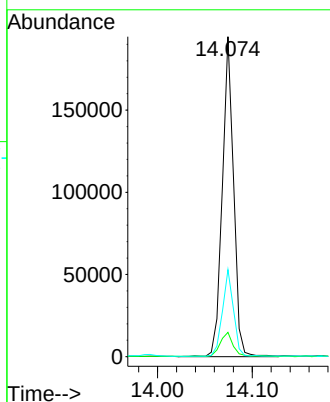
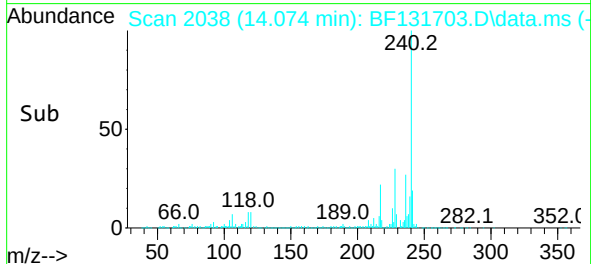
Instrument :
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RB-36-(0-2)



Tgt Ion:240 Resp: 16205
Ion Ratio Lower Upper
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120 7.6 4.6 7.0
236 27.2 20.2 30.2

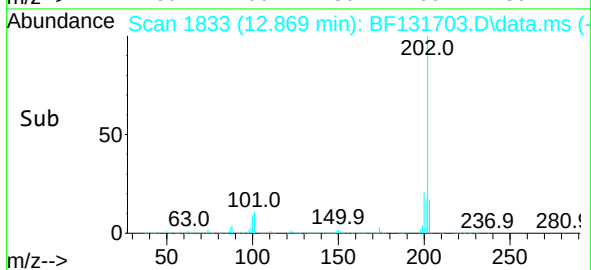
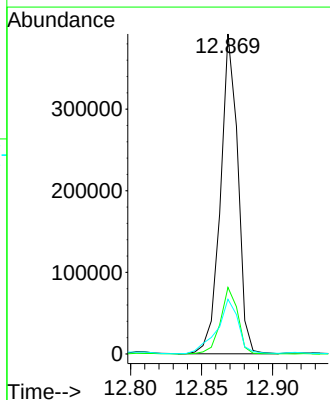
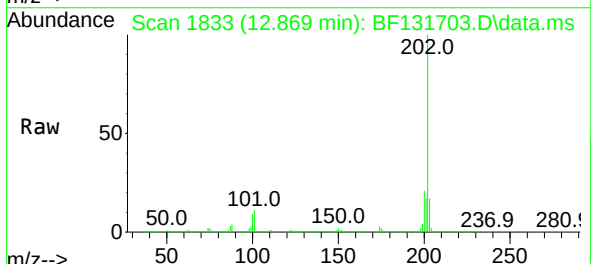
Manual Integrations
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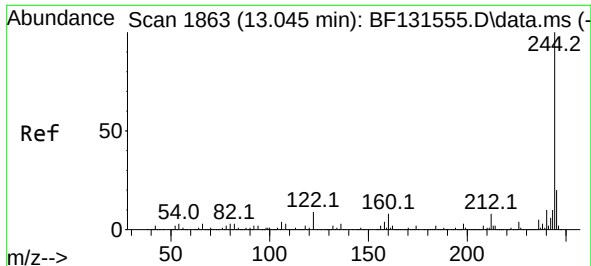
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#78
Pyrene
Concen: 20.819 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

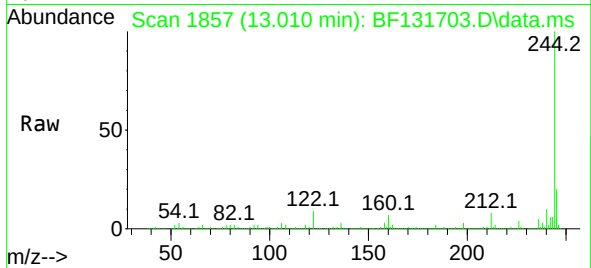
Tgt Ion:202 Resp: 332667
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.1 13.8 20.6





#79
 Terphenyl-d14
 Concen: 37.861 ng
 RT: 13.010 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: BF131703.D
 Acq: 19 Dec 2022 22:47

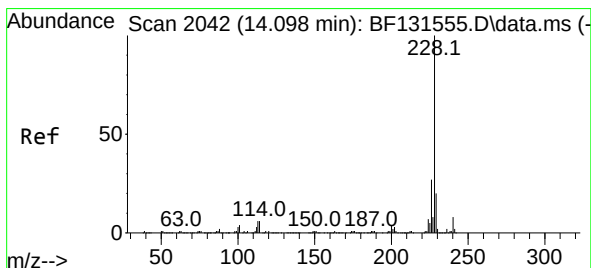
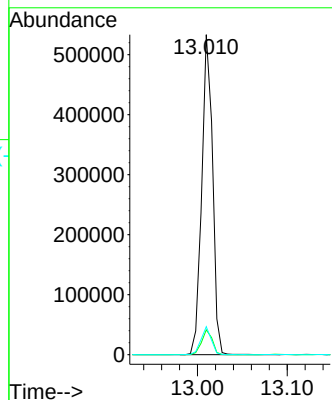
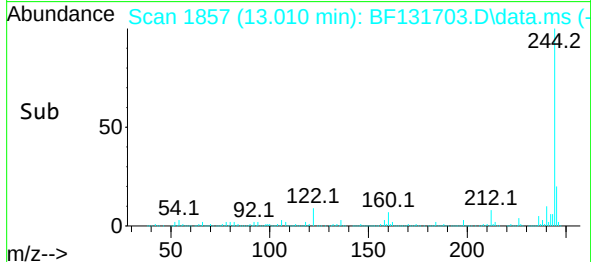
Instrument :
 BNA_F
 ClientSampleId :
 RB-36-(0-2)



Tgt Ion:244 Resp: 447378
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.5 9.7
 122 8.7 7.1 10.7

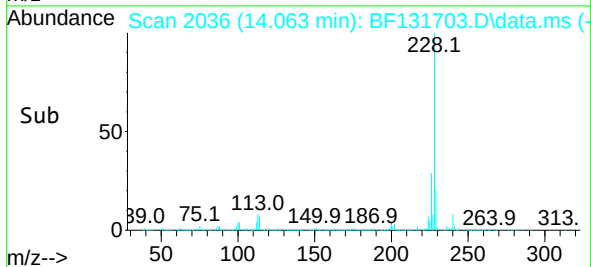
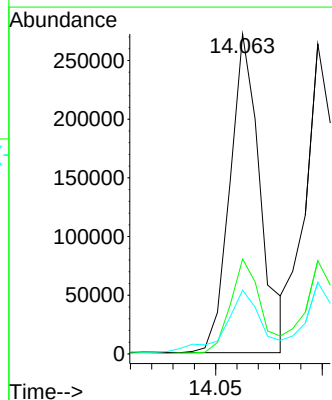
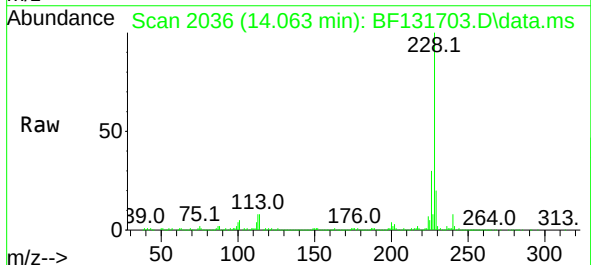
Manual Integrations
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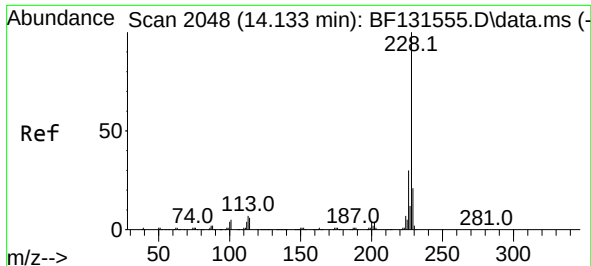
Reviewed By :Christian Giraldo 12/20/2022
 Supervised By :Jagrut Upadhyay 12/20/2022



#81
 Benzo(a)anthracene
 Concen: 22.960 ng
 RT: 14.063 min Scan# 2036
 Delta R.T. 0.000 min
 Lab File: BF131703.D
 Acq: 19 Dec 2022 22:47

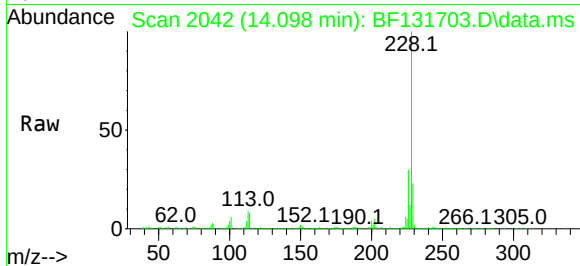
Tgt Ion:228 Resp: 268689
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.5 32.3
 229 20.0 15.8 23.6





#83
Chrysene
Concen: 21.892 ng
RT: 14.098 min Scan# 2048
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

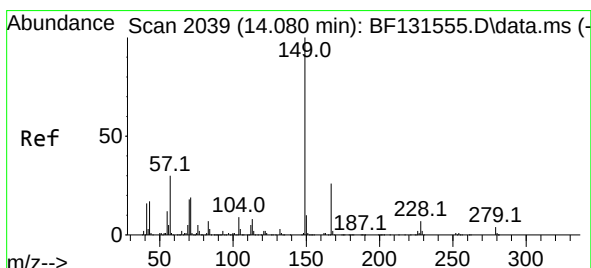
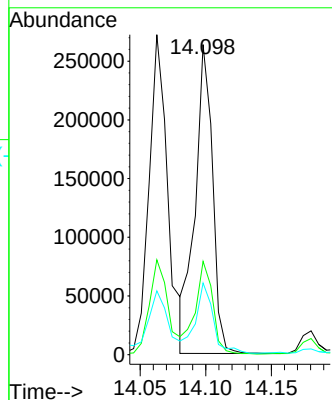
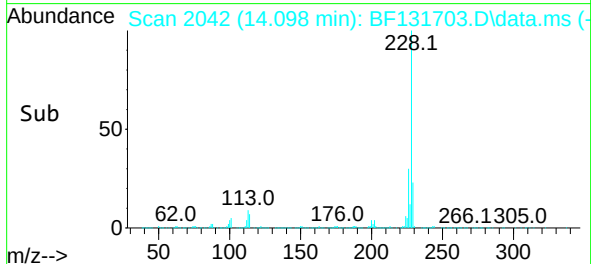
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)



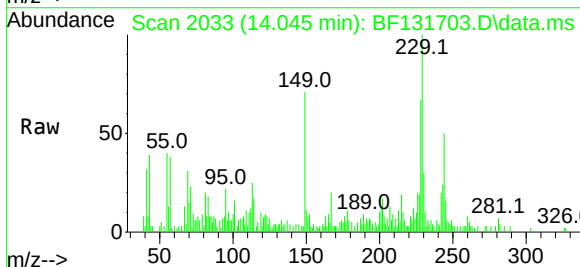
Tgt Ion:228 Resp: 243568
Ion Ratio Lower Upper
228 100
226 30.1 23.9 35.9
229 23.1 16.7 25.1

Manual Integrations
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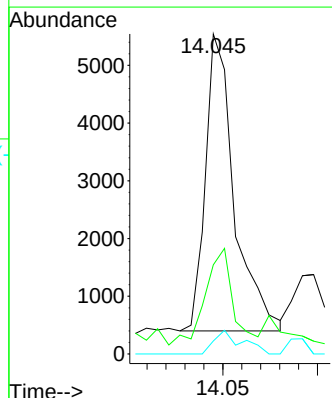
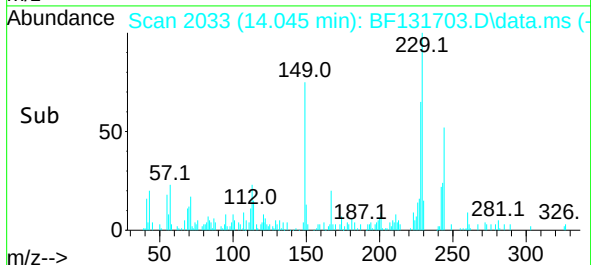
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

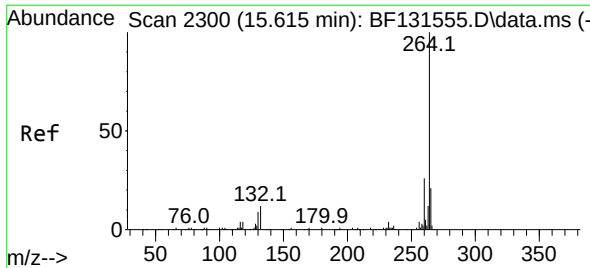


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.842 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47



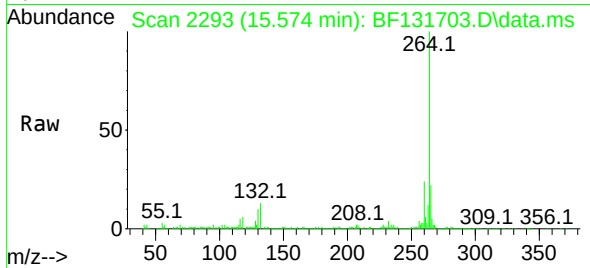
Tgt Ion:149 Resp: 5444
Ion Ratio Lower Upper
149 100
167 27.8 20.8 31.2
279 4.0 3.3 4.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

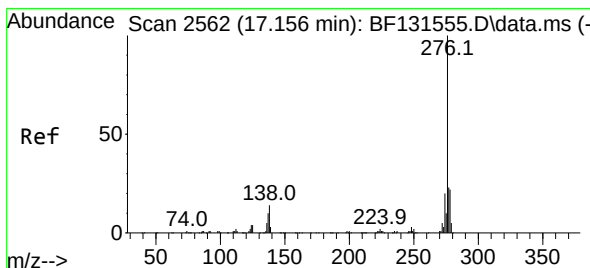
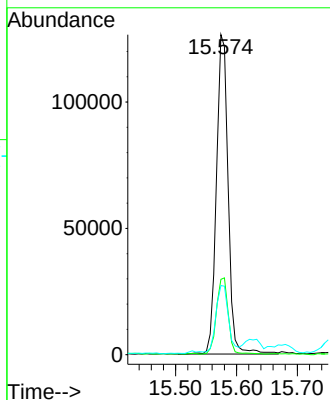
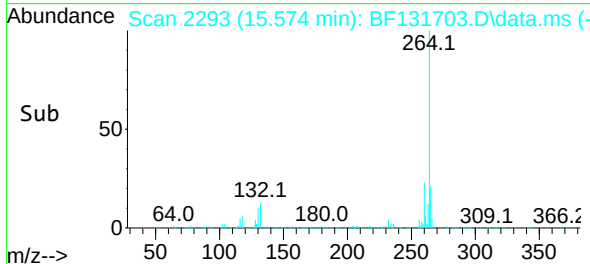
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)



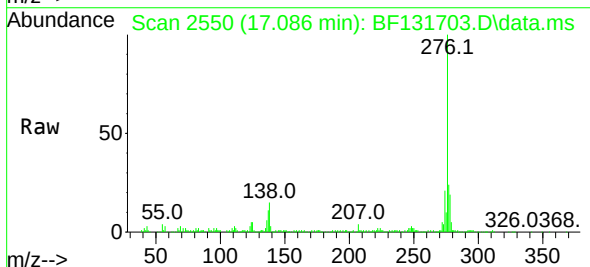
Tgt Ion:264 Resp: 16875
Ion Ratio Lower Upper
264 100
260 23.6 20.6 30.8
265 21.6 16.8 25.2

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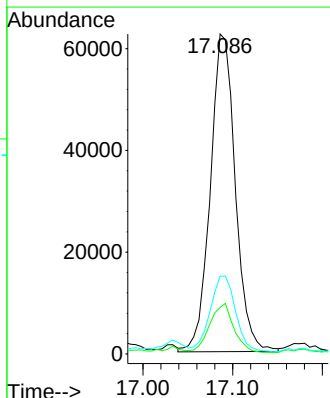
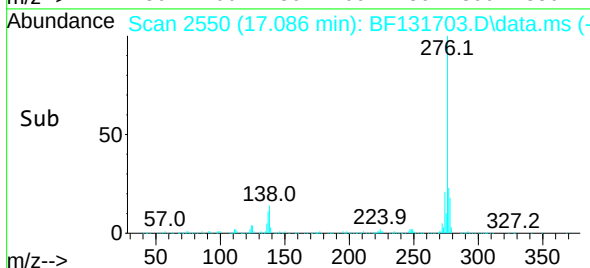
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

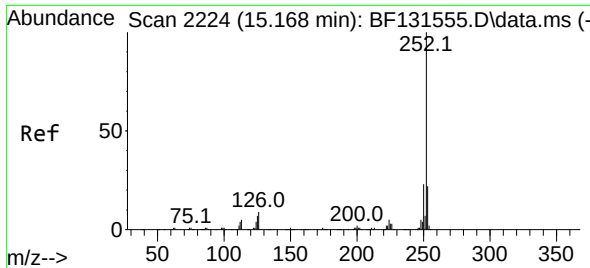


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.773 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47



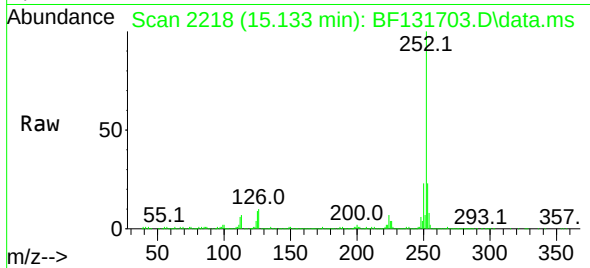
Tgt Ion:276 Resp: 120817
Ion Ratio Lower Upper
276 100
138 14.9 12.7 19.1
277 24.1 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 31.671 ng m
RT: 15.133 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

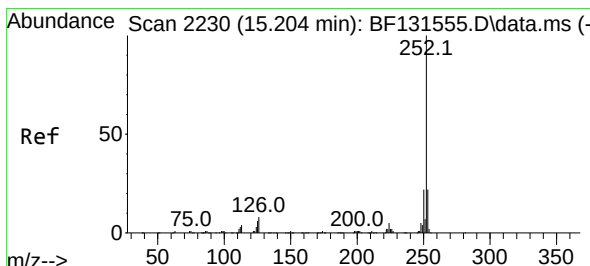
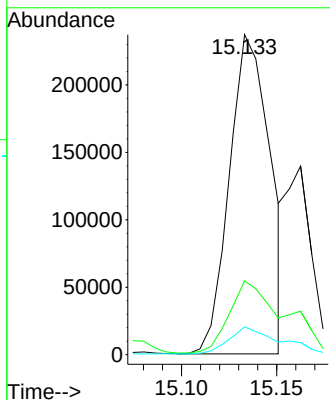
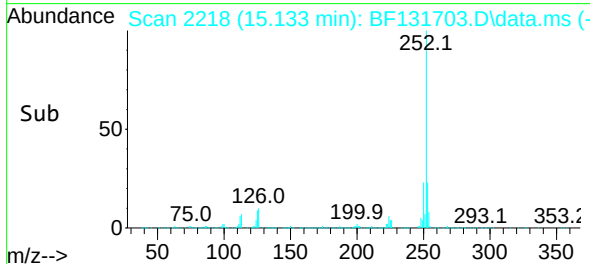
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)



Tgt Ion:252 Resp: 35225
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 8.7 5.6 8.4

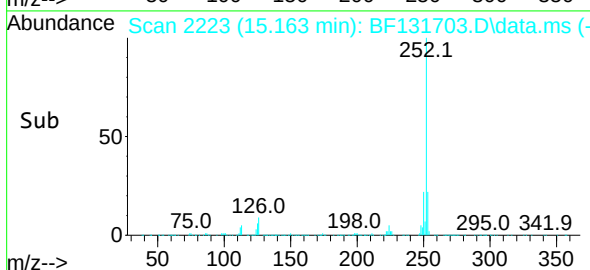
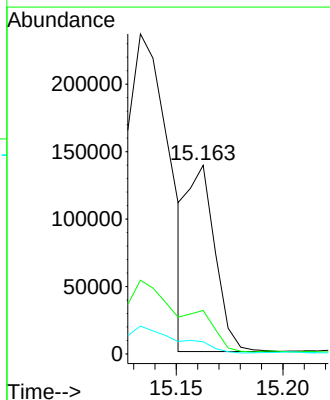
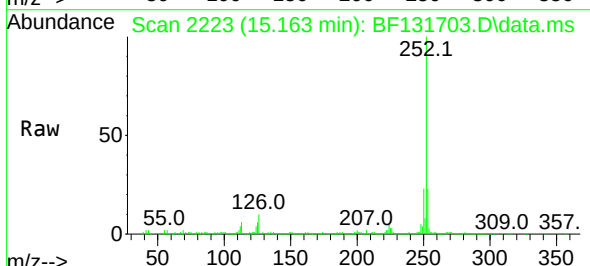
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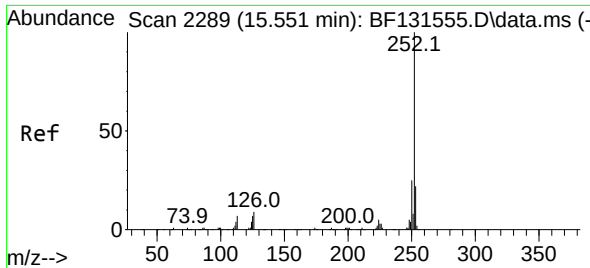
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#89
Benzo(k)fluoranthene
Concen: 10.782 ng m
RT: 15.163 min Scan# 2223
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

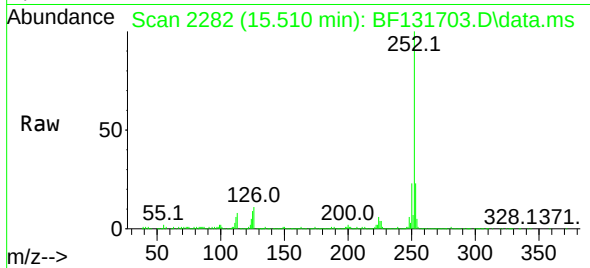
Tgt Ion:252 Resp: 125167
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 6.5 4.9 7.3





#90
Benzo(a)pyrene
Concen: 24.620 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

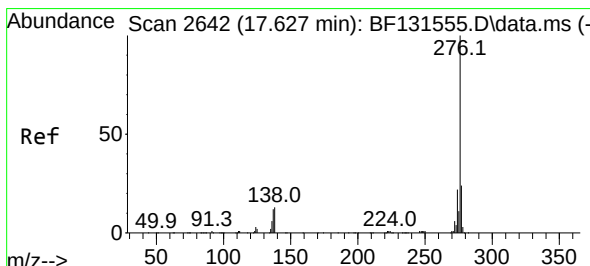
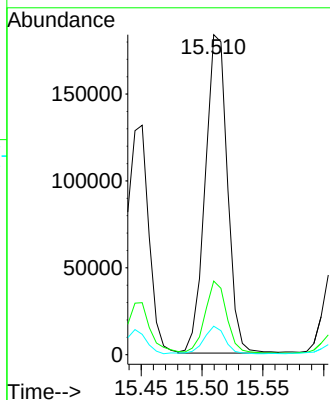
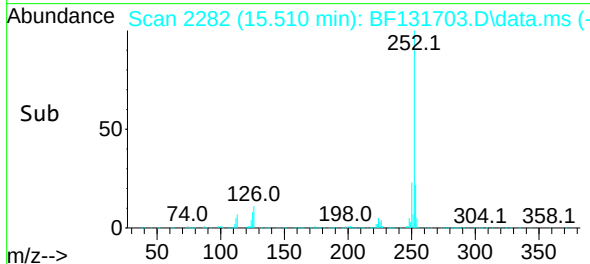
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)



Tgt Ion:252 Resp: 233692
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 8.9 5.6 8.4

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Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#92
Benzo(g,h,i)perylene
Concen: 9.038 ng
RT: 17.551 min Scan# 2629
Delta R.T. -0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Tgt Ion:276 Resp: 102961
Ion Ratio Lower Upper
276 100
277 23.5 19.0 28.6
138 14.8 10.7 16.1

