

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
 Data File : BF131603.D
 Acq On : 12 Dec 2022 20:47
 Operator : CG\JU
 Sample : N5997-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2803-COMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/13/2022
 Supervised By : Jagrut Upadhyay 12/13/2022

Quant Time: Dec 13 04:18:05 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 13 04:12:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	56023	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	202457	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	110457	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	177145	20.000	ng	0.00
76) Chrysene-d12	14.098	240	117882	20.000	ng	# 0.00
86) Perylene-d12	15.610	264	139325	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	345241	102.808	ng	0.00
7) Phenol-d6	6.534	99	451215	102.535	ng	0.00
23) Nitrobenzene-d5	7.457	82	314866	58.798	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	88538	72.146	ng	-0.01
45) 2-Fluorobiphenyl	9.263	172	553137	63.141	ng	0.00
79) Terphenyl-d14	13.039	244	454163	52.836	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	7.034	79	58512	14.503	ng	97
71) Phenanthrene	11.469	178	198617	20.115	ng	99
72) Anthracene	11.516	178	44317	4.613	ng	99
73) Carbazole	11.675	167	17023	2.171	ng	99
74) Di-n-butylphthalate	12.004	149	61768	6.421	ng	99
75) Fluoranthene	12.663	202	301067	29.611	ng	99
78) Pyrene	12.898	202	292638	25.176	ng	99
81) Benzo(a)anthracene	14.086	228	147963	17.381	ng	100
83) Chrysene	14.127	228	133975	16.554	ng	98
87) Indeno(1,2,3-cd)pyrene	17.139	276	73158	6.434	ng	99
88) Benzo(b)fluoranthene	15.163	252	161527m	17.590	ng	
89) Benzo(k)fluoranthene	15.192	252	60519m	6.314	ng	
90) Benzo(a)pyrene	15.545	252	129183	16.485	ng	98
91) Dibenzo(a,h)anthracene	17.151	278	21390m	2.286	ng	
92) Benzo(g,h,i)perylene	17.604	276	68859	7.321	ng	99

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

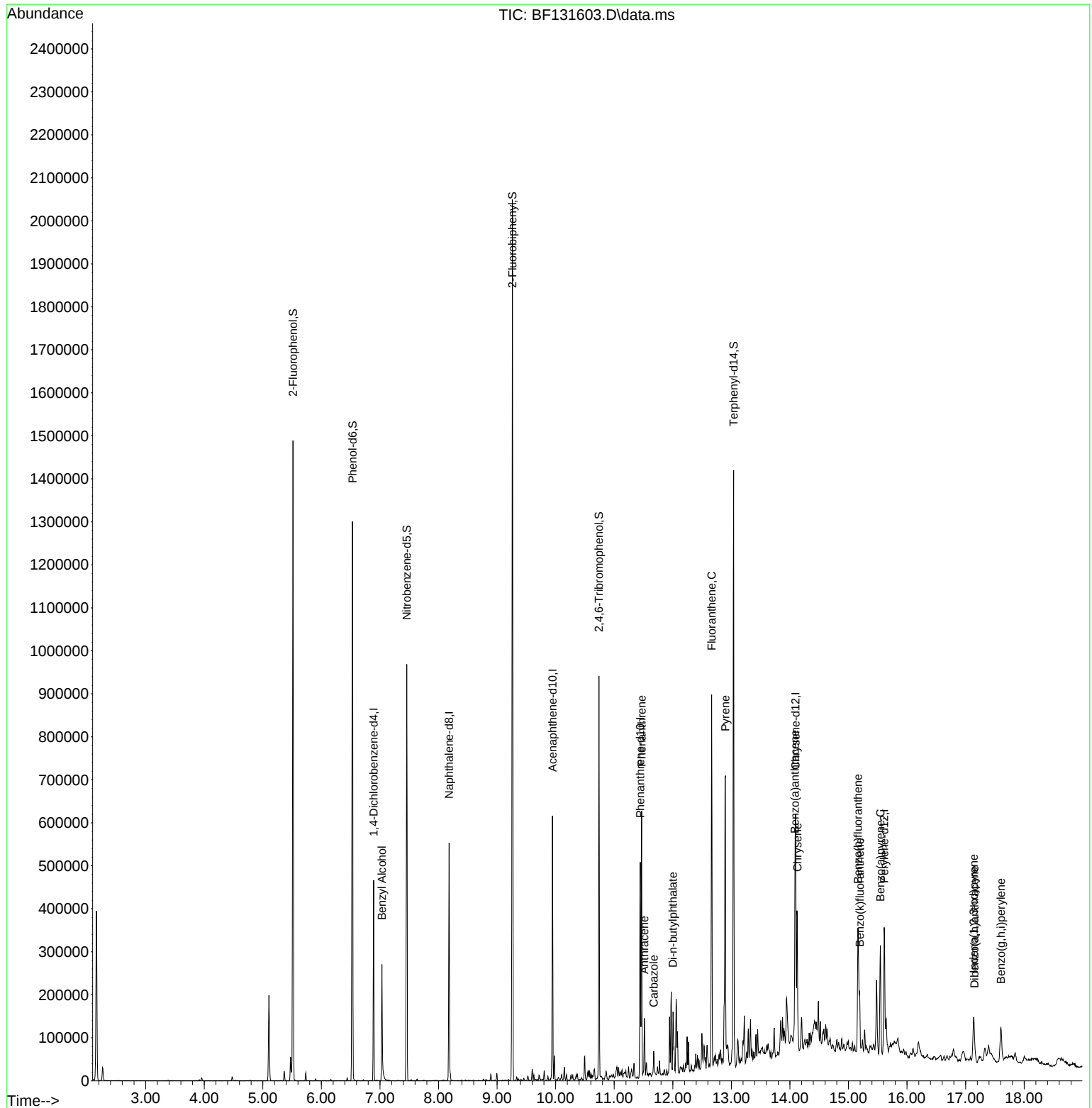
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
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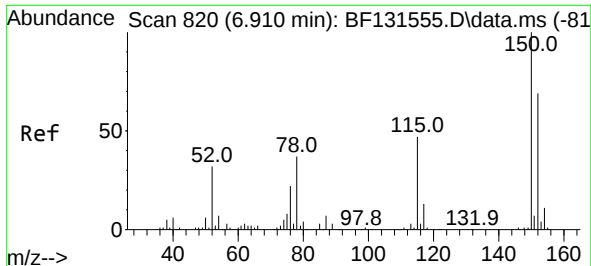
Instrument :
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Quant Time: Dec 13 04:18:05 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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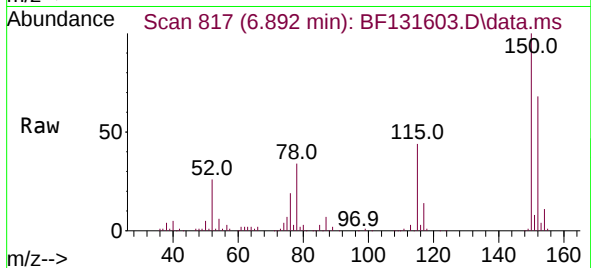
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

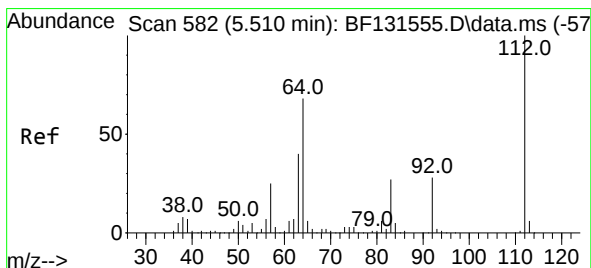
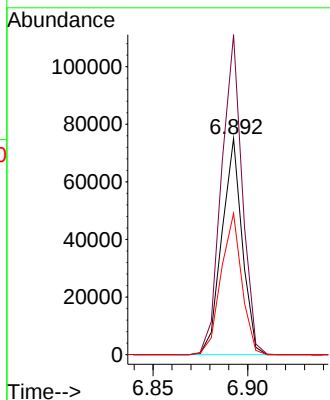
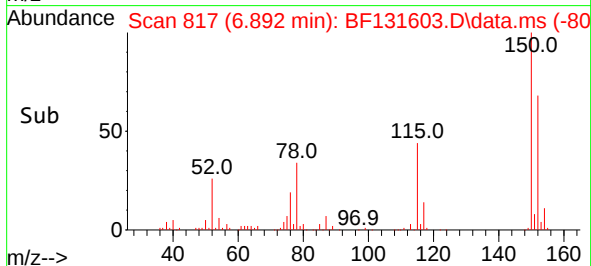
Instrument :
BNA_F
ClientSampleId :
2803-COMP



Tgt Ion:152 Resp: 56023
Ion Ratio Lower Upper
152 100
150 148.0 116.7 175.1
115 65.3 54.6 82.0

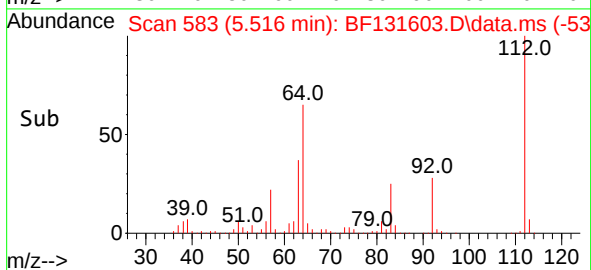
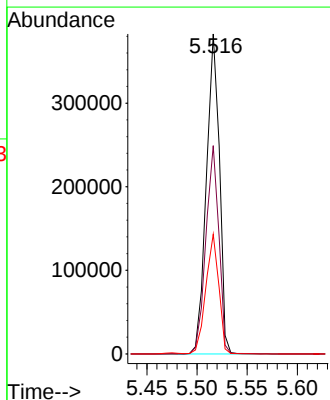
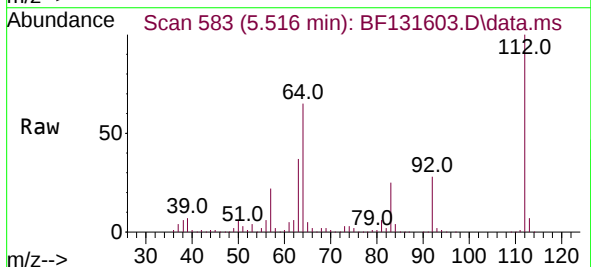
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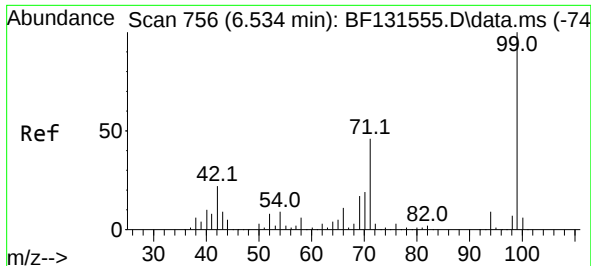
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#5
2-Fluorophenol
Concen: 102.808 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

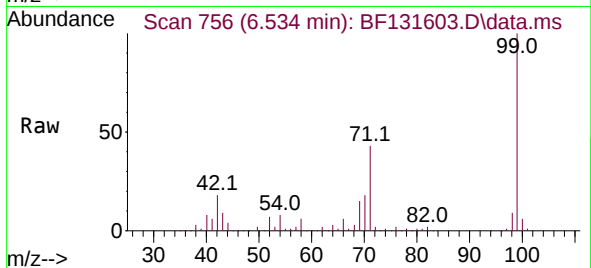
Tgt Ion:112 Resp: 345241
Ion Ratio Lower Upper
112 100
64 65.1 54.5 81.7
63 37.4 31.9 47.9





#7
Phenol-d6
Concen: 102.535 ng
RT: 6.534 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

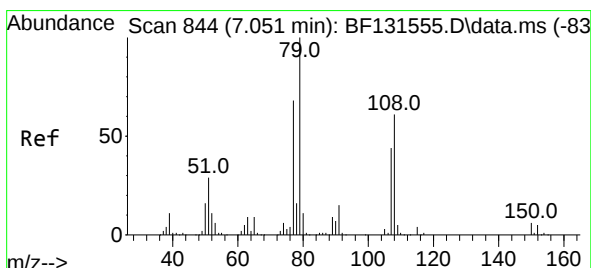
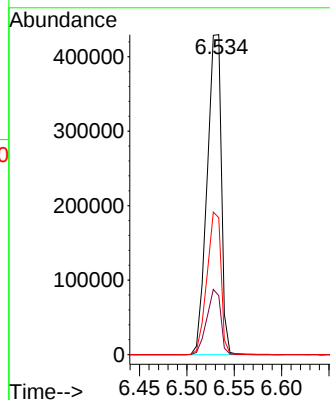
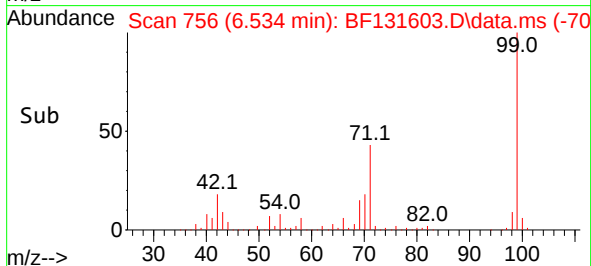
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 451215
Ion Ratio Lower Upper
99 100
42 18.4 17.9 26.9
71 42.8 37.2 55.8

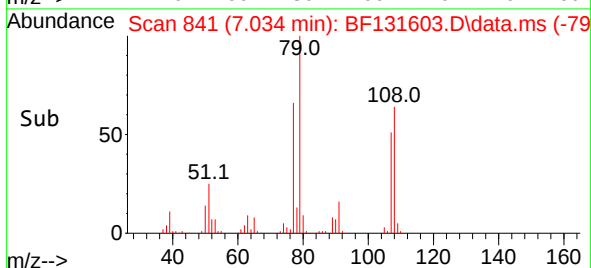
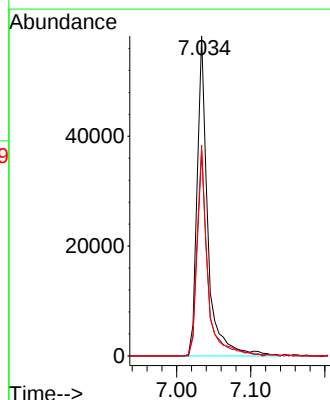
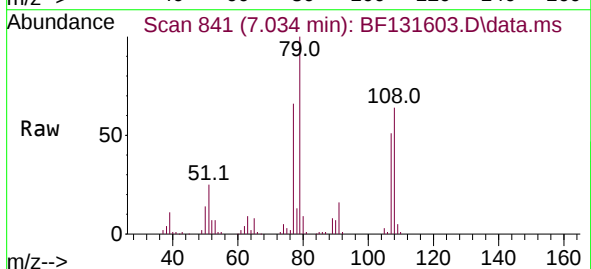
Manual Integrations
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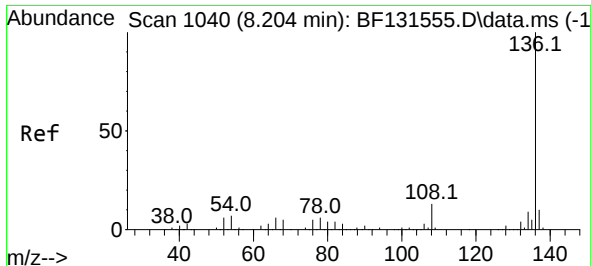
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#15
Benzyl Alcohol
Concen: 14.503 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

Tgt Ion: 79 Resp: 58512
Ion Ratio Lower Upper
79 100
108 63.8 49.2 73.8
77 65.8 54.5 81.7





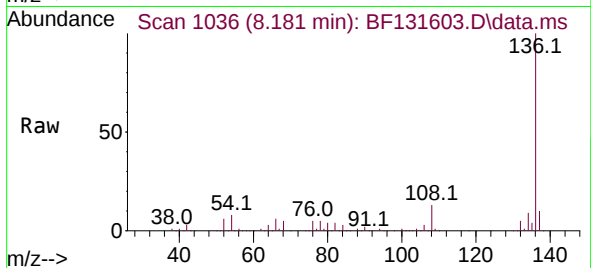
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

Instrument :

BNA_F

ClientSampleId :

2803-COMP

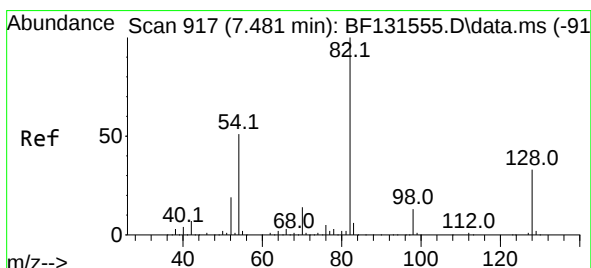
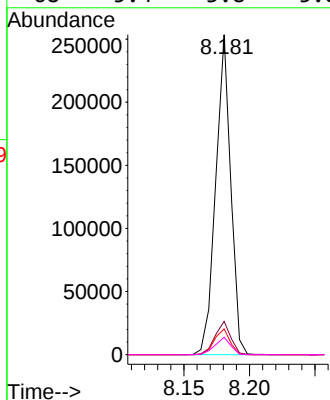
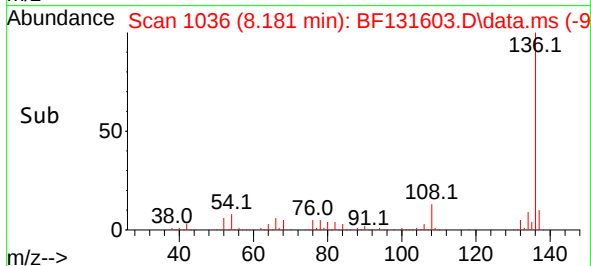


Tgt Ion:136 Resp: 202452
Ion Ratio Lower Upper
136 100
137 10.4 8.1 12.1
54 8.0 6.0 9.0
68 5.4 3.8 5.8

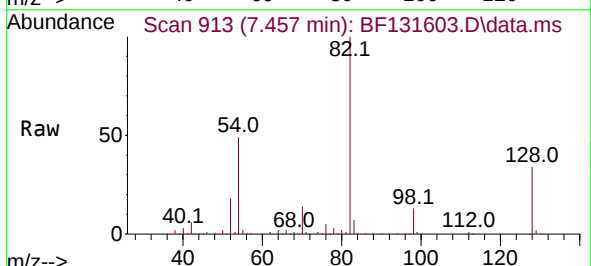
Manual Integrations

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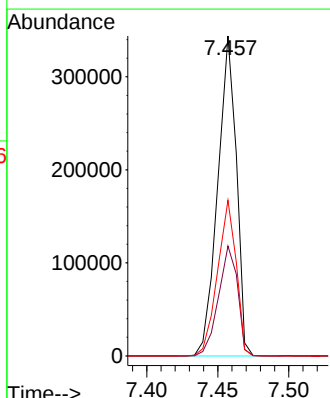
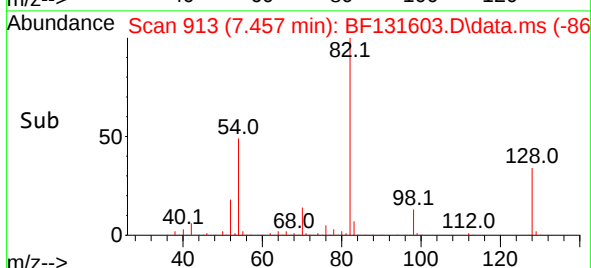
Reviewed By :Christian Giraldo 12/13/2022
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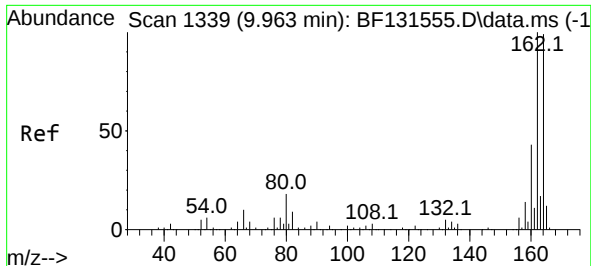


#23
Nitrobenzene-d5
Concen: 58.798 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47



Tgt Ion: 82 Resp: 314866
Ion Ratio Lower Upper
82 100
128 34.3 26.1 39.1
54 48.6 40.6 60.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

Instrument :

BNA_F

ClientSampleId :

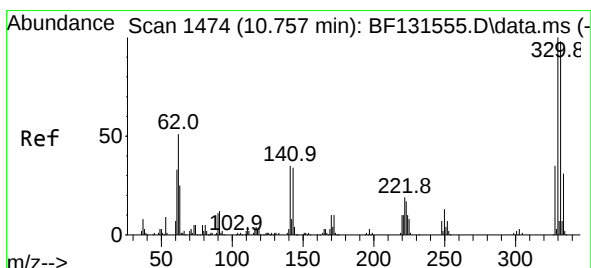
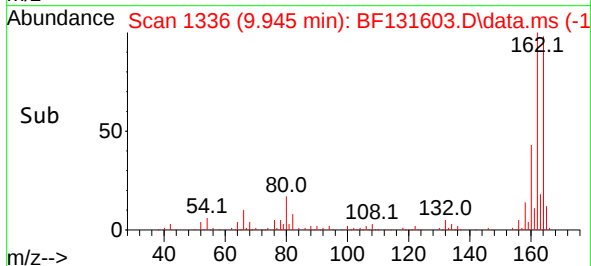
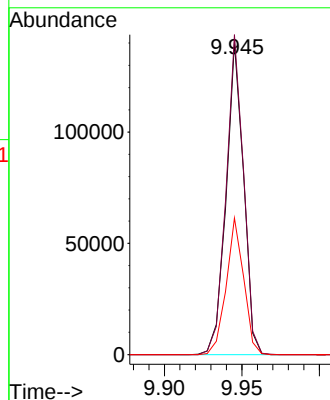
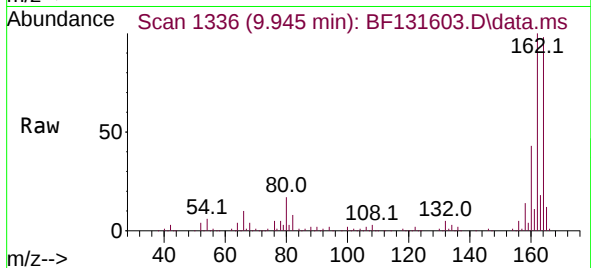
2803-COMP

Tgt Ion:164	Resp: 11045
Ion Ratio	Lower Upper
164	100
162	102.4 81.0 121.6
160	43.7 35.0 52.6

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#42

2,4,6-Tribromophenol

Concen: 72.146 ng

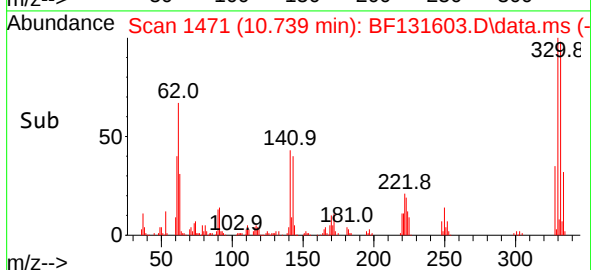
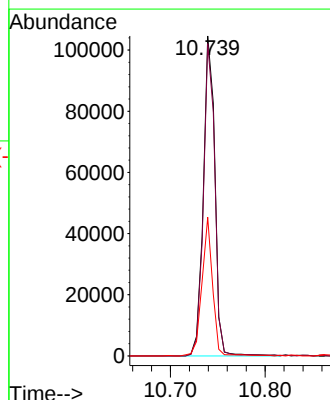
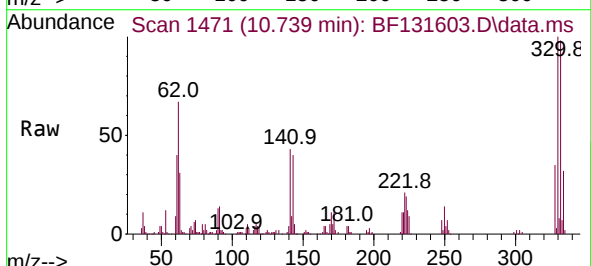
RT: 10.739 min Scan# 1471

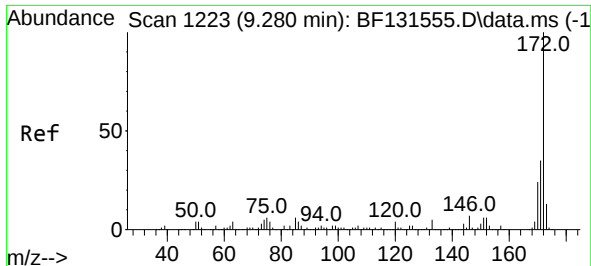
Delta R.T. -0.012 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

Tgt Ion:330	Resp: 88538
Ion Ratio	Lower Upper
330	100
332	95.8 78.3 117.5
141	39.7 32.6 49.0





#45

2-Fluorobiphenyl

Concen: 63.141 ng

RT: 9.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

Instrument :

BNA_F

ClientSampleId :

2803-COMP

Tgt Ion:172 Resp: 55313

Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

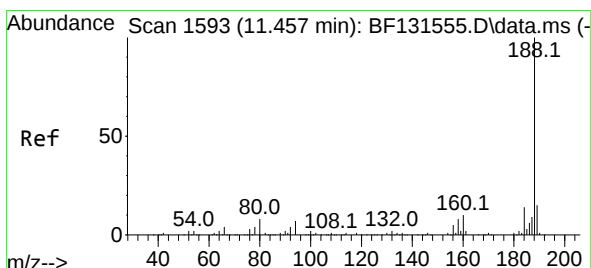
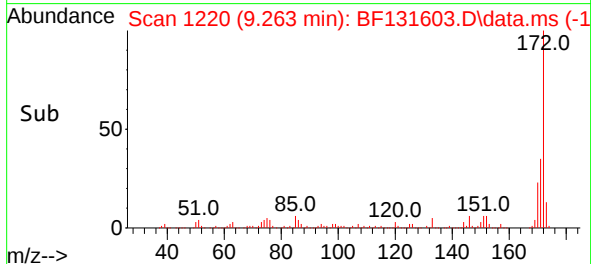
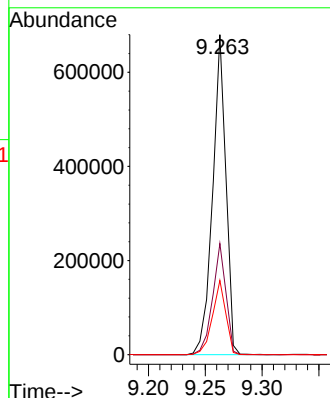
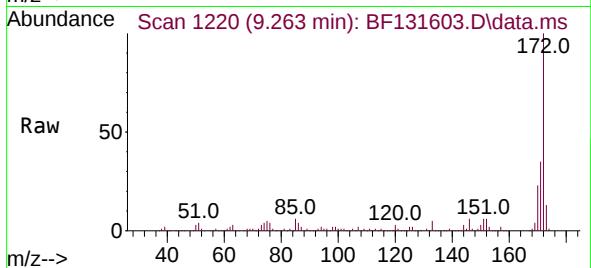
170 23.2 19.3 28.9

Manual Integrations

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Reviewed By :Christian Giraldo 12/13/2022

Supervised By :Jagrut Upadhyay 12/13/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1591

Delta R.T. -0.006 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

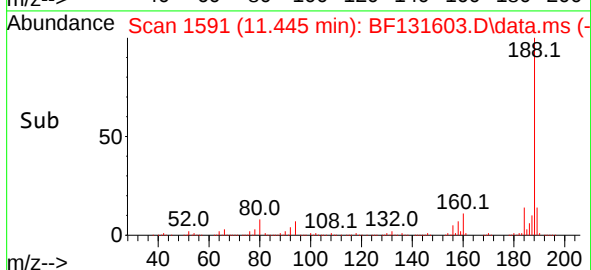
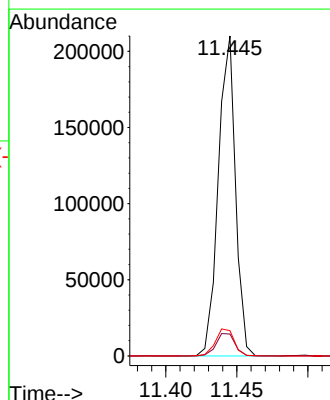
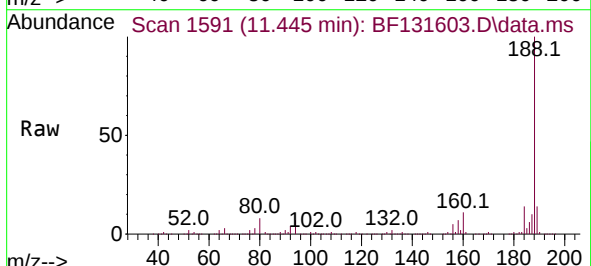
Tgt Ion:188 Resp: 177145

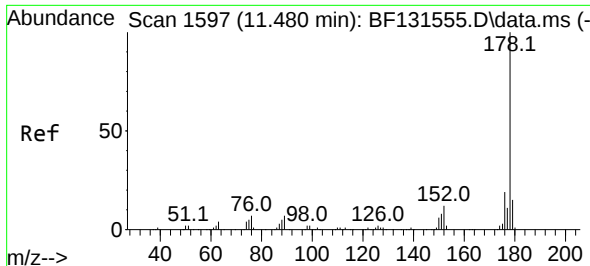
Ion Ratio Lower Upper

188 100

94 6.8 5.5 8.3

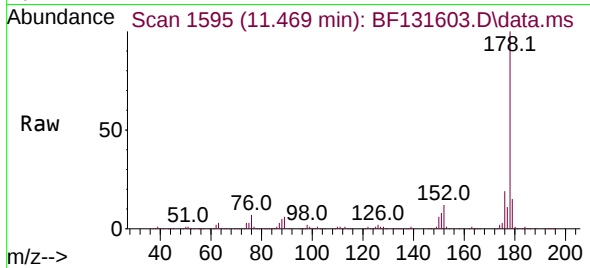
80 7.9 6.6 10.0





#71
Phenanthrene
Concen: 20.115 ng
RT: 11.469 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

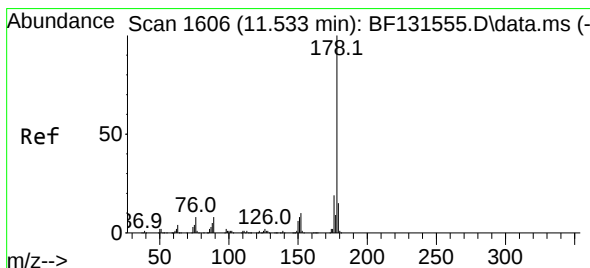
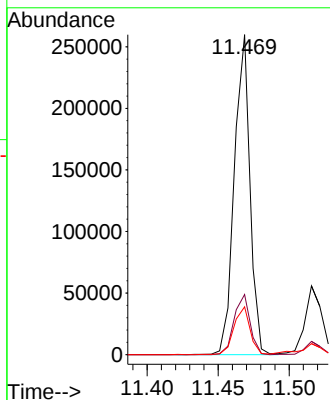
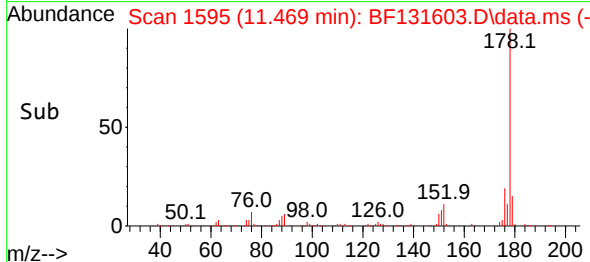
Instrument :
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Tgt Ion:178 Resp: 198617
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 14.9 12.2 18.4

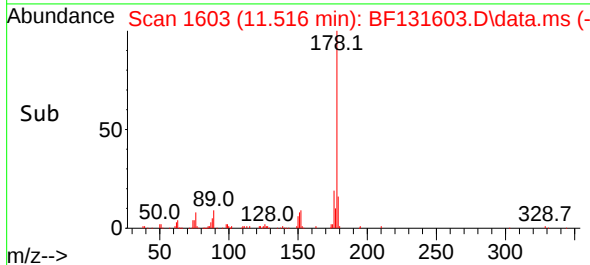
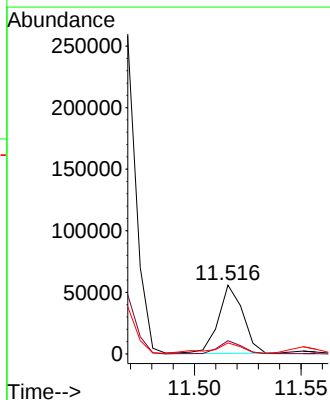
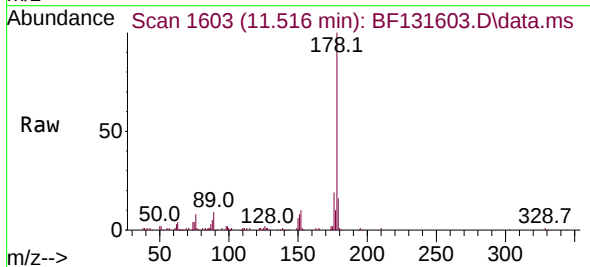
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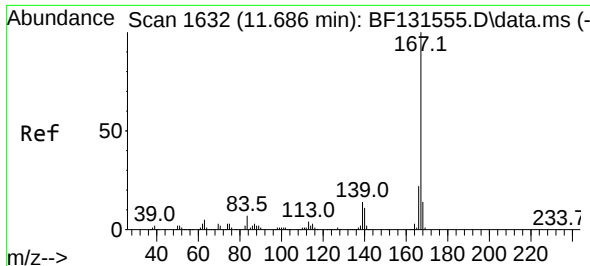
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#72
Anthracene
Concen: 4.613 ng
RT: 11.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

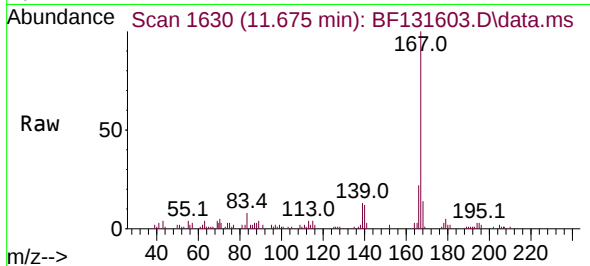
Tgt Ion:178 Resp: 44317
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.6
179 16.0 12.3 18.5





#73
Carbazole
Concen: 2.171 ng
RT: 11.675 min Scan# 1630
Delta R.T. -0.012 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

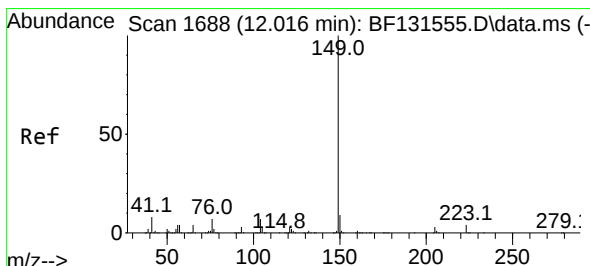
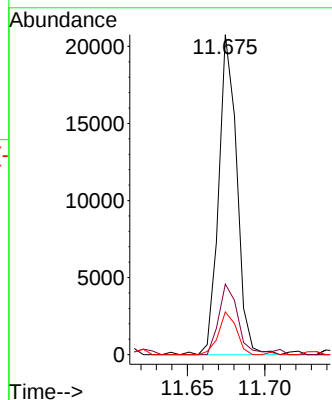
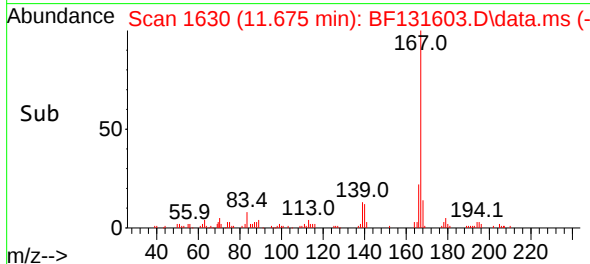
Instrument :
BNA_F
ClientSampleId :
2803-COMP



Tgt Ion:167 Resp: 17023
Ion Ratio Lower Upper
167 100
166 22.0 17.4 26.0
139 13.3 11.0 16.4

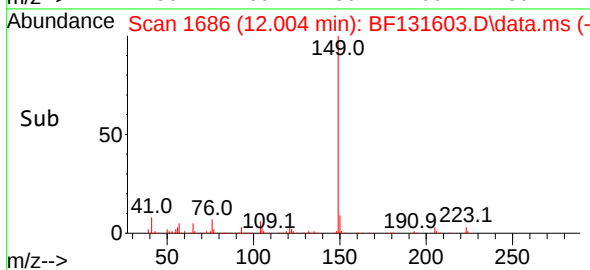
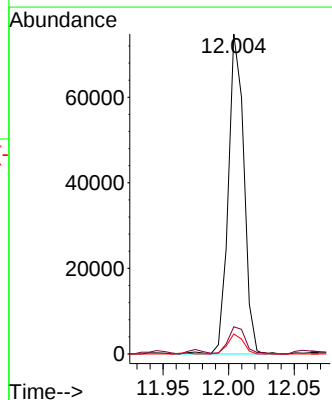
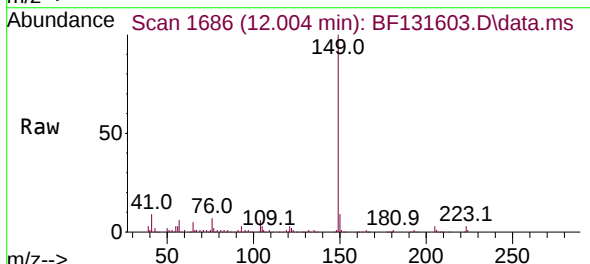
Manual Integrations
APPROVED

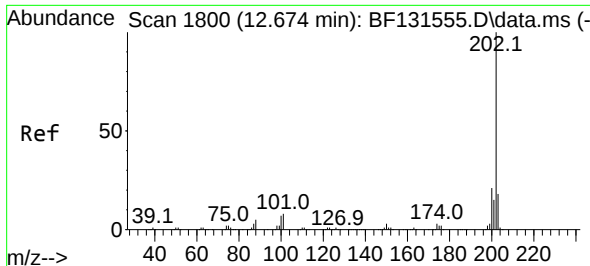
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#74
Di-n-butylphthalate
Concen: 6.421 ng
RT: 12.004 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

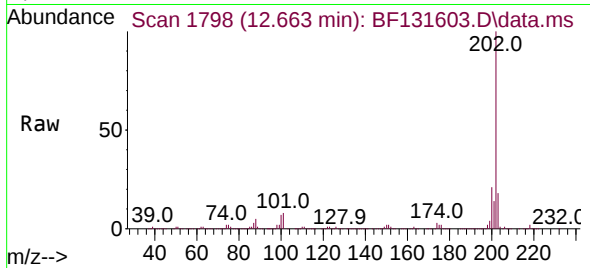
Tgt Ion:149 Resp: 61768
Ion Ratio Lower Upper
149 100
150 8.5 7.2 10.8
104 6.2 5.2 7.8





#75
Fluoranthene
Concen: 29.611 ng
RT: 12.663 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

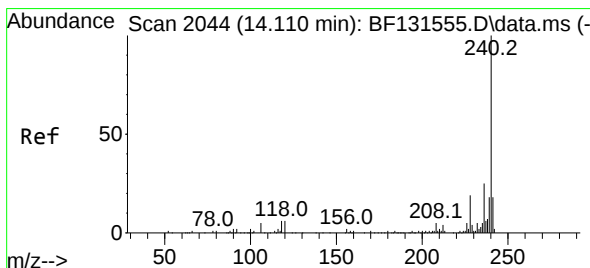
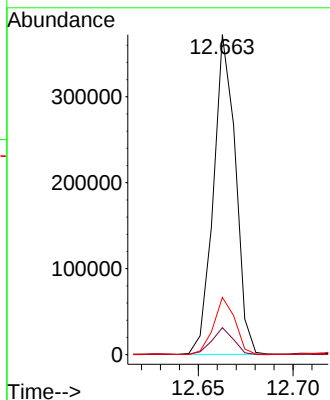
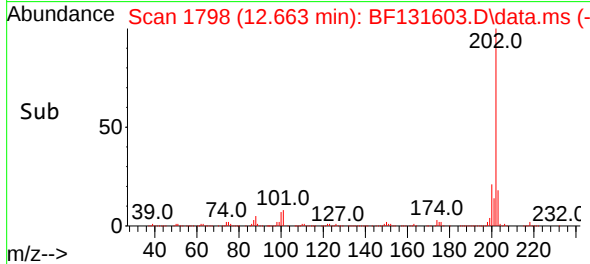
Instrument :
BNA_F
ClientSampleId :
2803-COMP



Tgt Ion:202 Resp: 301062
Ion Ratio Lower Upper
202 100
101 8.4 0.0 27.7
203 17.9 0.0 37.7

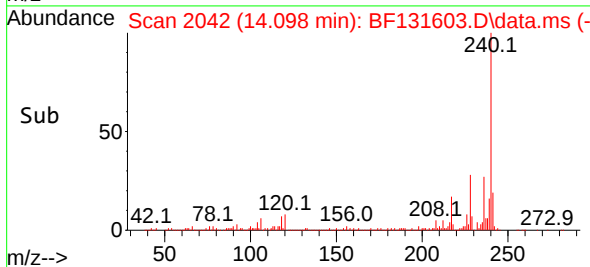
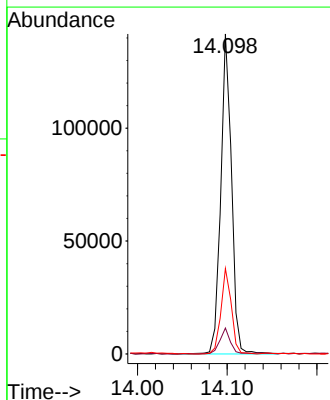
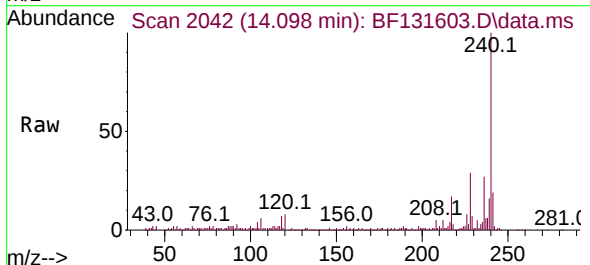
Manual Integrations
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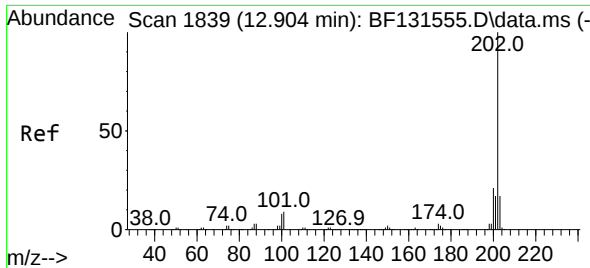
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

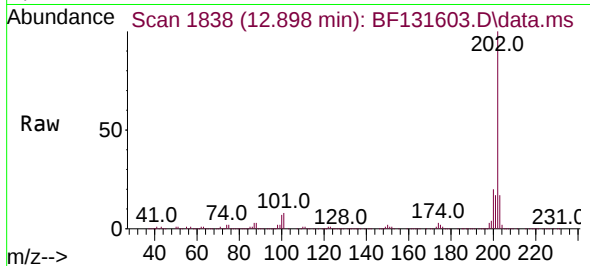
Tgt Ion:240 Resp: 117882
Ion Ratio Lower Upper
240 100
120 8.1 4.6 7.0#
236 26.7 20.2 30.2





#78
Pyrene
Concen: 25.176 ng
RT: 12.898 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

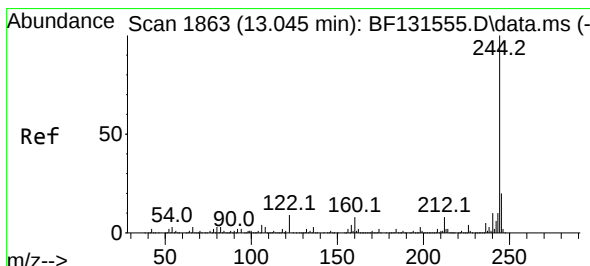
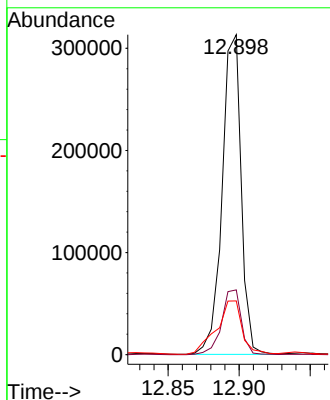
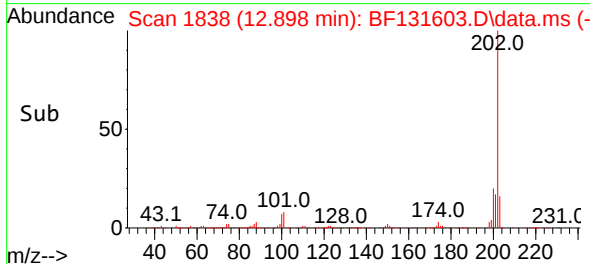
Instrument :
BNA_F
ClientSampleId :
2803-COMP



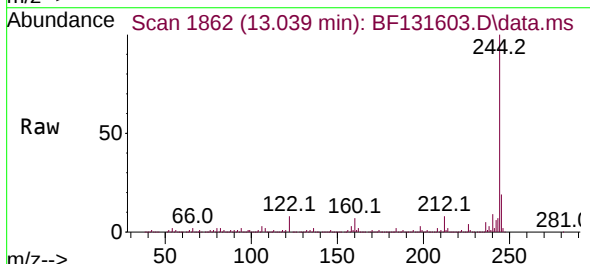
Tgt Ion:202 Resp: 292638
Ion Ratio Lower Upper
202 100
200 20.2 16.7 25.1
203 16.8 13.8 20.6

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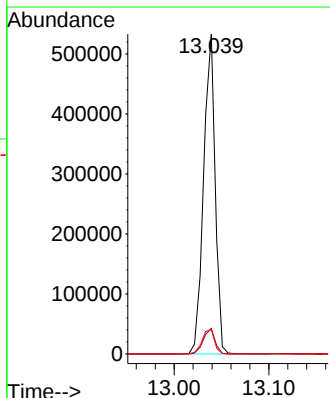
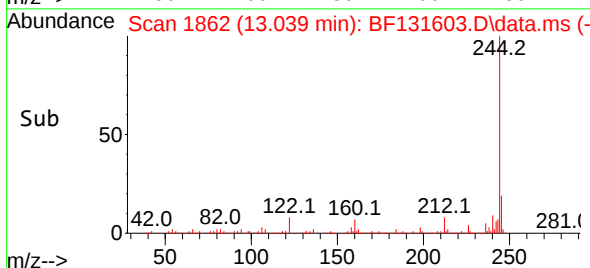
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022

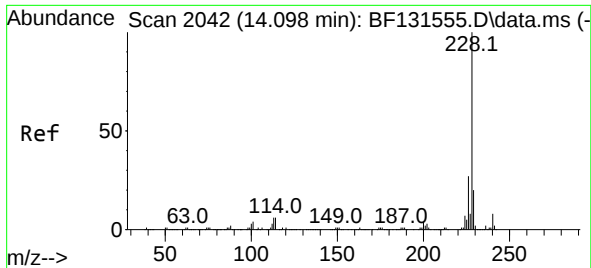


#79
Terphenyl-d14
Concen: 52.836 ng
RT: 13.039 min Scan# 1862
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47



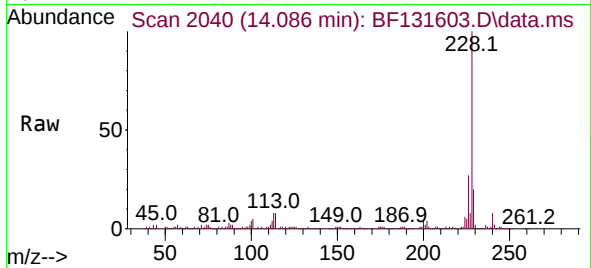
Tgt Ion:244 Resp: 454163
Ion Ratio Lower Upper
244 100
212 8.0 6.5 9.7
122 7.6 7.1 10.7





#81
Benzo(a)anthracene
Concen: 17.381 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

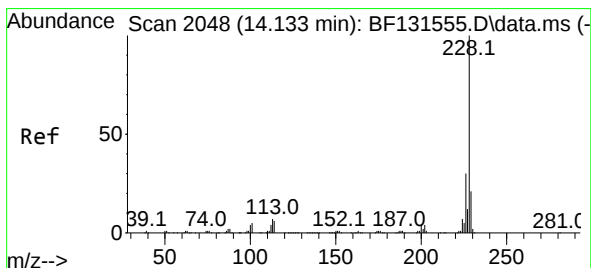
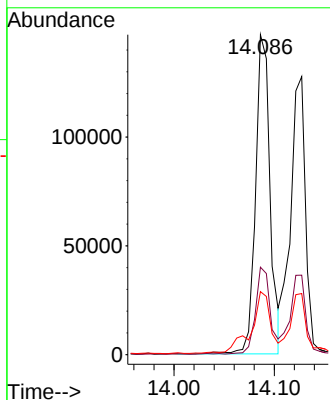
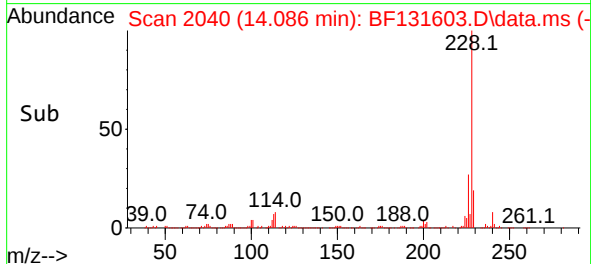
Instrument :
BNA_F
ClientSampleId :
2803-COMP



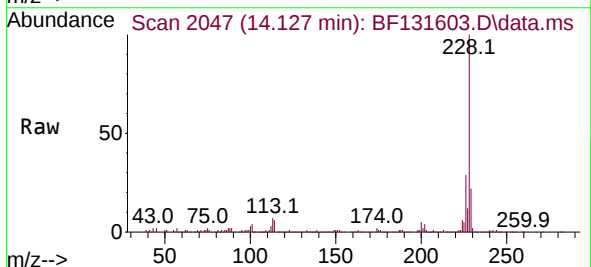
Tgt Ion:228 Resp: 147963
Ion Ratio Lower Upper
228 100
226 27.3 21.5 32.3
229 19.7 15.8 23.6

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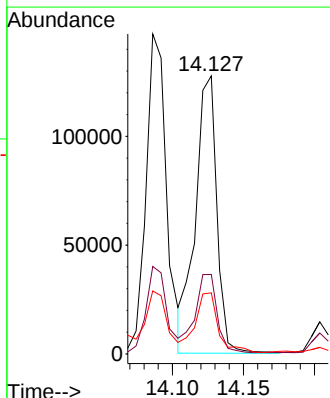
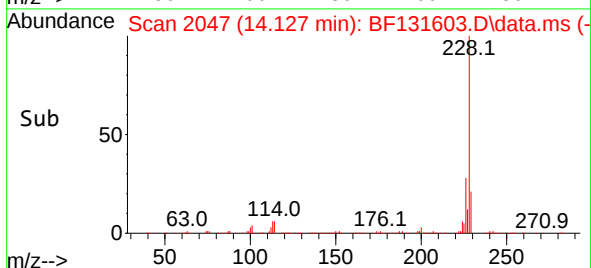
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022

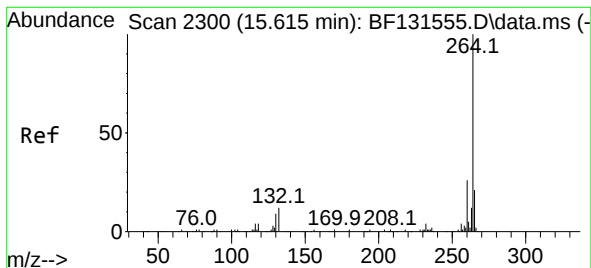


#83
Chrysene
Concen: 16.554 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47



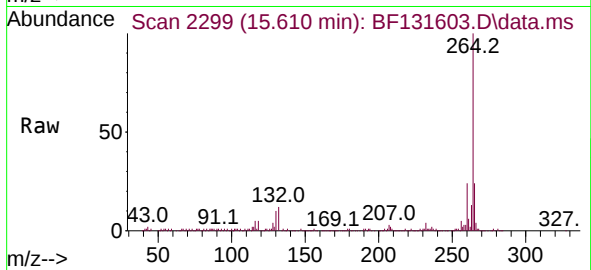
Tgt Ion:228 Resp: 133975
Ion Ratio Lower Upper
228 100
226 28.6 23.9 35.9
229 22.0 16.7 25.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.610 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

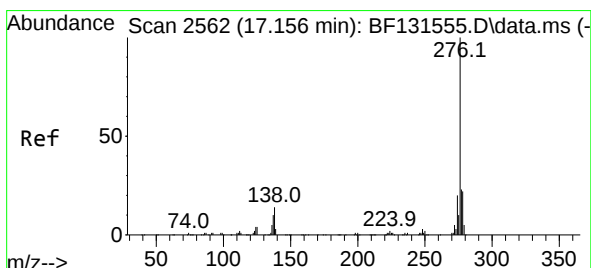
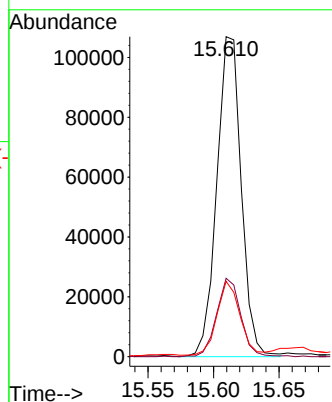
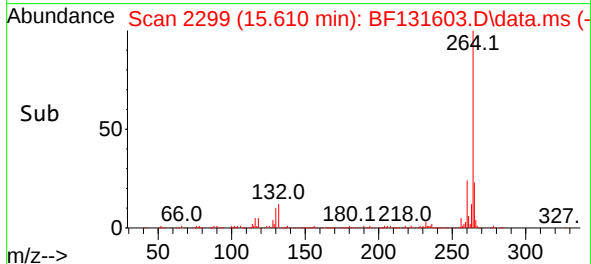
Instrument :
BNA_F
ClientSampleId :
2803-COMP



Tgt Ion:264 Resp: 139325
Ion Ratio Lower Upper
264 100
260 24.5 20.6 30.8
265 23.5 16.8 25.2

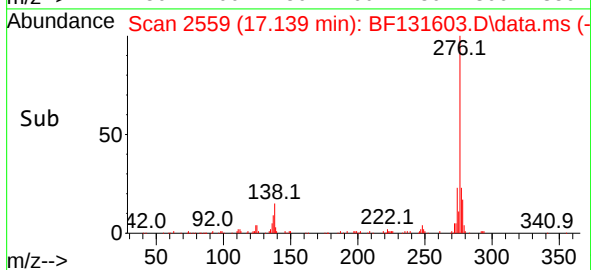
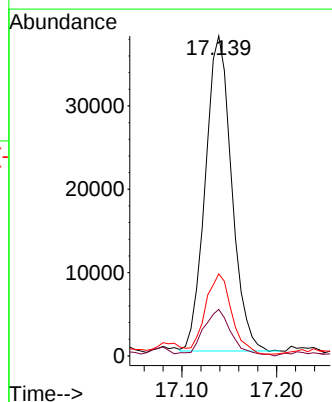
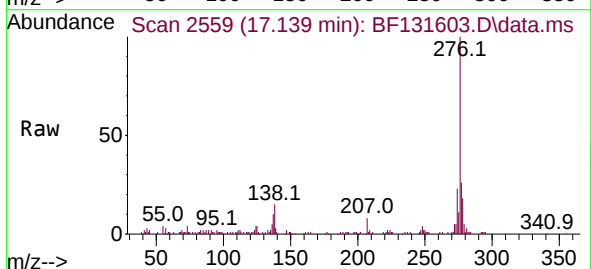
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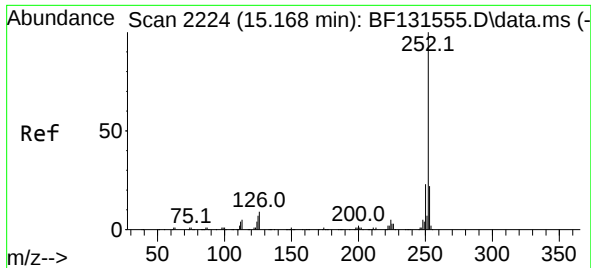
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.434 ng
RT: 17.139 min Scan# 2559
Delta R.T. -0.018 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

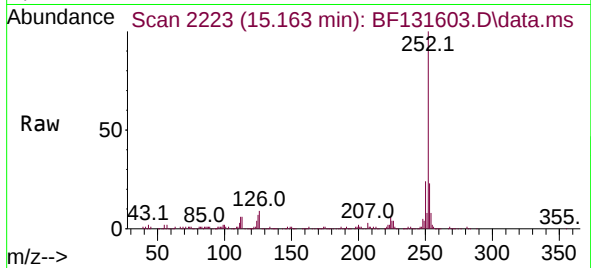
Tgt Ion:276 Resp: 73158
Ion Ratio Lower Upper
276 100
138 15.6 12.7 19.1
277 25.4 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 17.590 ng m
RT: 15.163 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

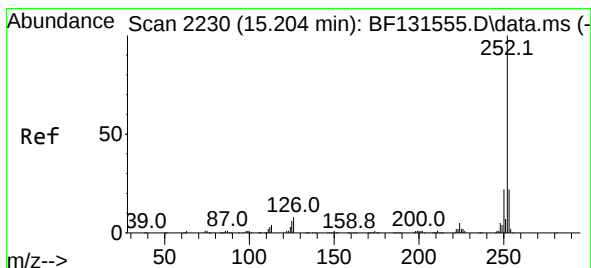
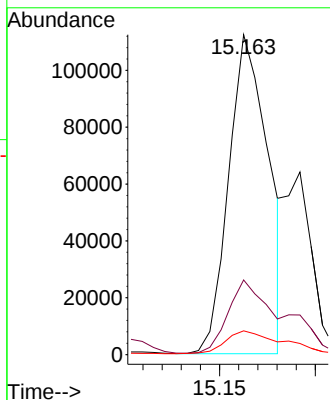
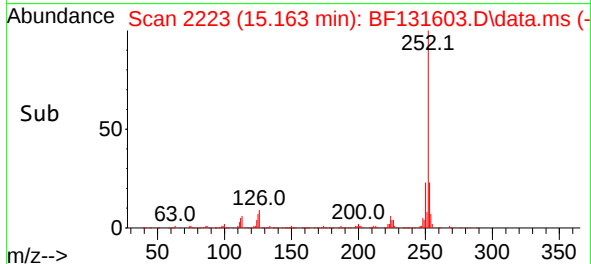
Instrument :
BNA_F
ClientSampleId :
2803-COMP



Tgt Ion:252 Resp: 16152
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 7.4 5.6 8.4

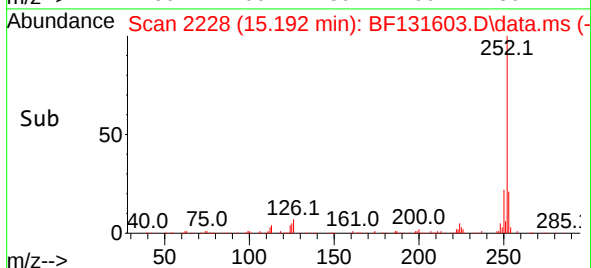
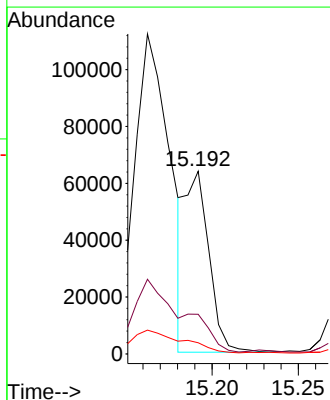
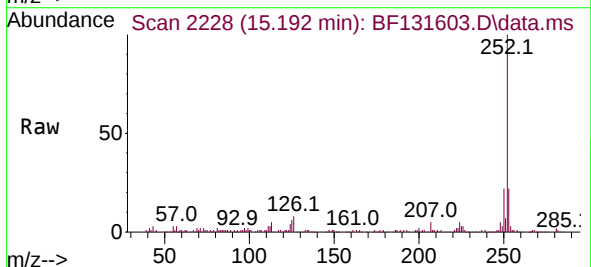
Manual Integrations
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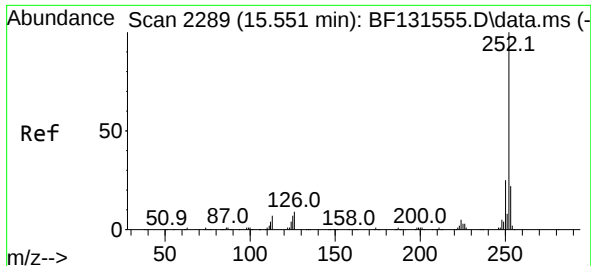
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#89
Benzo(k)fluoranthene
Concen: 6.314 ng m
RT: 15.192 min Scan# 2228
Delta R.T. -0.012 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

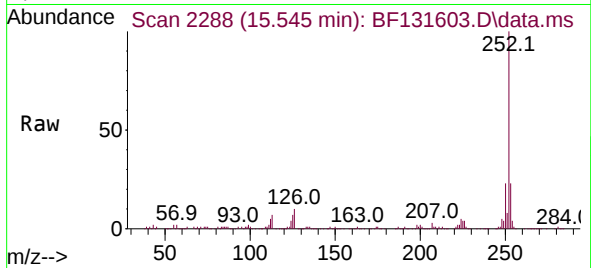
Tgt Ion:252 Resp: 60519
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 6.1 4.9 7.3





#90
Benzo(a)pyrene
Concen: 16.485 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

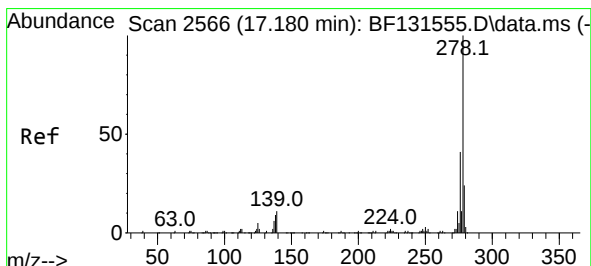
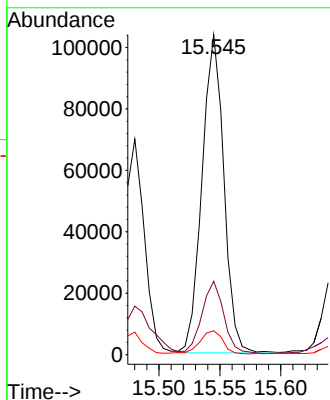
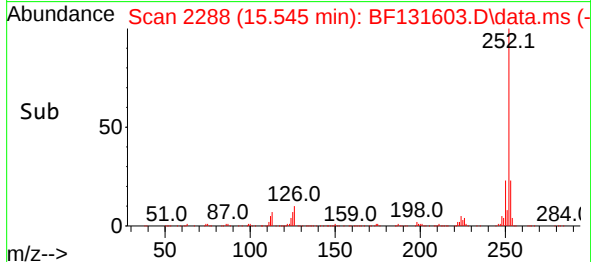
Instrument :
BNA_F
ClientSampleId :
2803-COMP



Tgt Ion:252 Resp: 129183
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 7.5 5.6 8.4

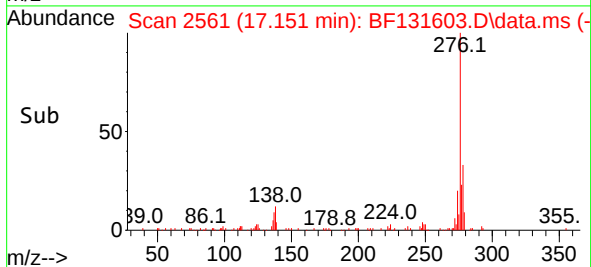
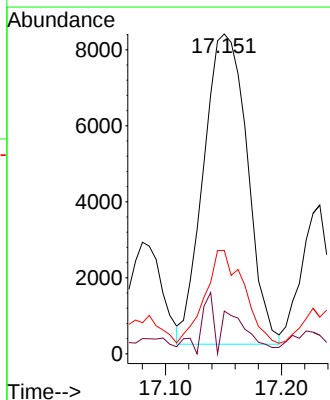
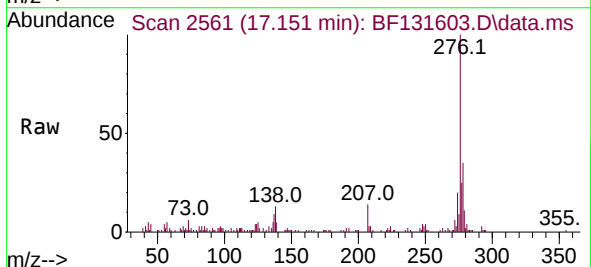
Manual Integrations
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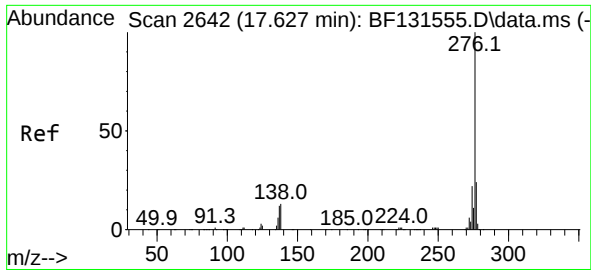
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.286 ng m
RT: 17.151 min Scan# 2561
Delta R.T. -0.024 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

Tgt Ion:278 Resp: 21390
Ion Ratio Lower Upper
278 100
139 13.4 8.9 13.3#
279 32.3 19.0 28.6#





#92

Benzo(g,h,i)perylene

Concen: 7.321 ng

RT: 17.604 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF131603.D

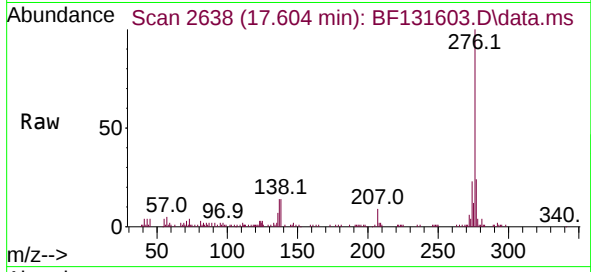
Acq: 12 Dec 2022 20:47

Instrument :

BNA_F

ClientSampleId :

2803-COMP



Tgt Ion: 276 Resp: 68859

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.6

138 14.4 10.7 16.1

Manual Integrations

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Reviewed By : Christian Giraldo 12/13/2022

Supervised By : Jagrut Upadhyay 12/13/2022

