

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
 Data File : BF131604.D
 Acq On : 12 Dec 2022 21:18
 Operator : CG\JU
 Sample : N5988-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11938

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 04:18:22 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	63244	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	216352	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	112714	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	177601	20.000	ng	-0.01
76) Chrysene-d12	14.104	240	133593	20.000	ng	0.00
86) Perylene-d12	15.615	264	131131	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	370642	97.770	ng	0.00
7) Phenol-d6	6.528	99	474610	95.538	ng	0.00
23) Nitrobenzene-d5	7.457	82	329368	57.556	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	96202	76.821	ng	-0.01
45) 2-Fluorobiphenyl	9.263	172	547122	61.204	ng	0.00
79) Terphenyl-d14	13.039	244	451405	46.339	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.463	178	38447	3.884	ng	97
72) Anthracene	11.516	178	23711	2.462	ng	99
75) Fluoranthene	12.663	202	180119	17.670	ng	98
78) Pyrene	12.892	202	183793	13.952	ng	99
81) Benzo(a)anthracene	14.092	228	163244	16.921	ng	96
83) Chrysene	14.127	228	228774	24.943	ng	99
87) Indeno(1,2,3-cd)pyrene	17.139	276	68304	6.383	ng	97
88) Benzo(b)fluoranthene	15.168	252	313907m	36.321	ng	
89) Benzo(k)fluoranthene	15.198	252	103135m	11.433	ng	
90) Benzo(a)pyrene	15.551	252	146543	19.868	ng	98
91) Dibenzo(a,h)anthracene	17.156	278	19711	2.238	ng	100
92) Benzo(g,h,i)perylene	17.609	276	57204	6.462	ng	# 95

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

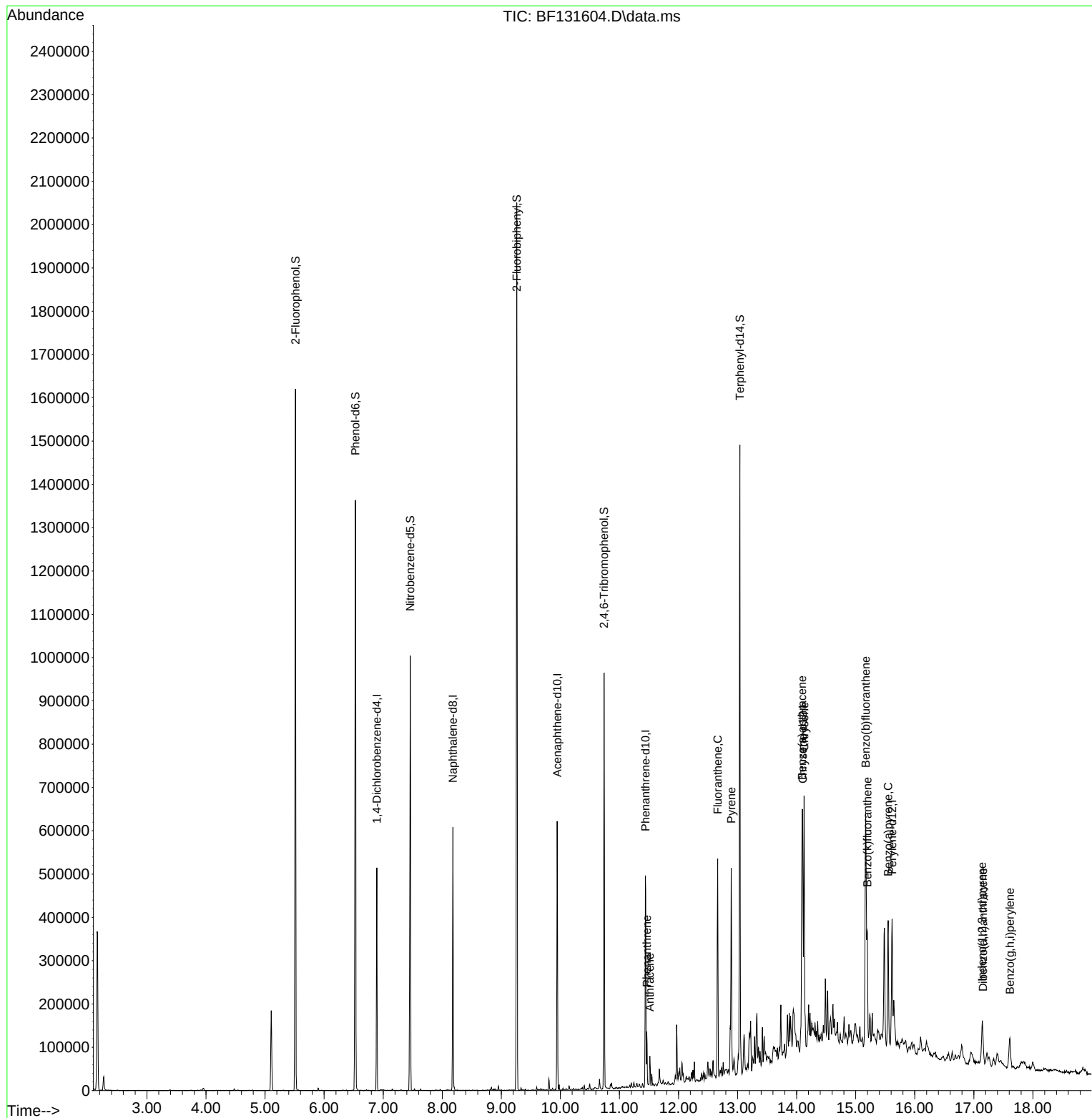
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131604.D
Acq On : 12 Dec 2022 21:18
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Sample : N5988-02
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ALS Vial : 17 Sample Multiplier: 1

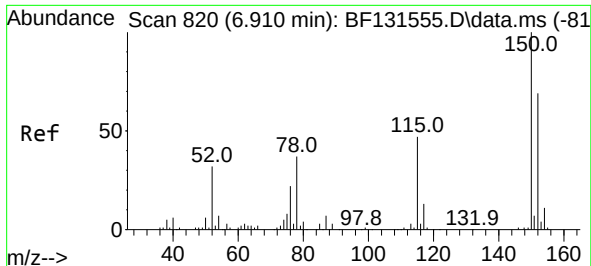
Instrument :
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Quant Time: Dec 13 04:18:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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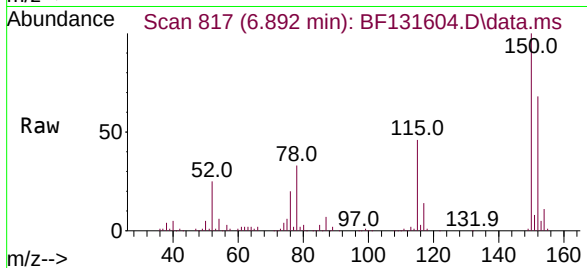
Reviewed By : Christian Giraldo 12/13/2022
Supervised By : Jagrut Upadhyay 12/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18

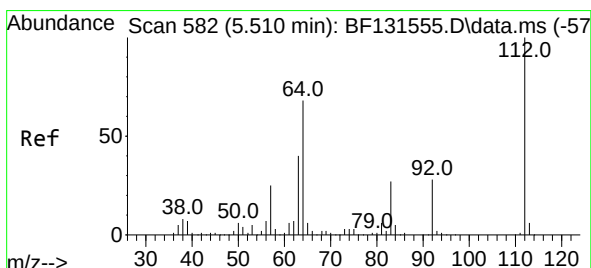
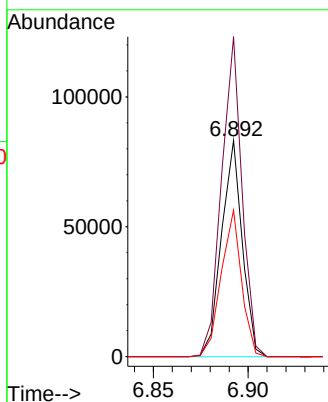
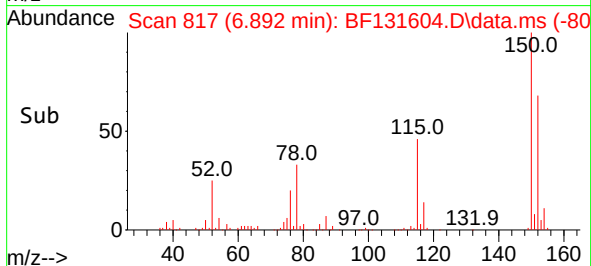
Instrument :
BNA_F
ClientSampleId :
72-11938



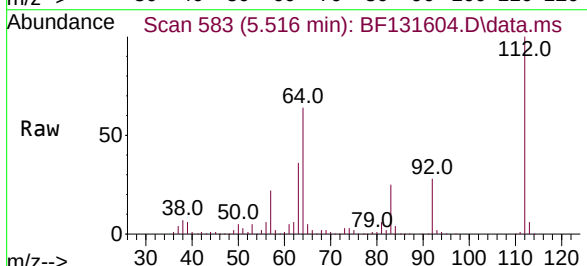
Tgt Ion:152 Resp: 63244
Ion Ratio Lower Upper
152 100
150 148.0 116.7 175.1
115 67.8 54.6 82.0

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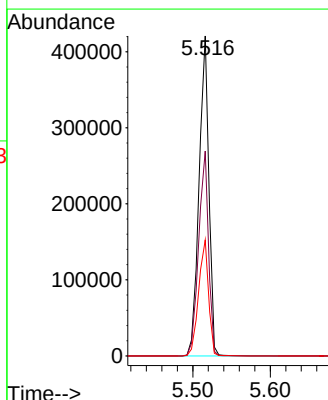
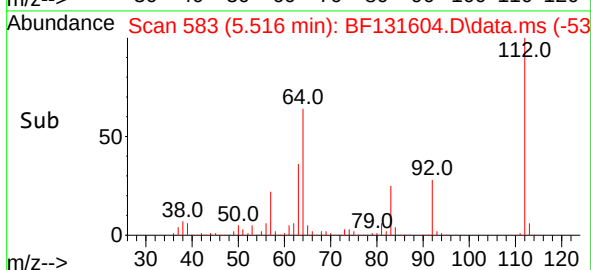
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022

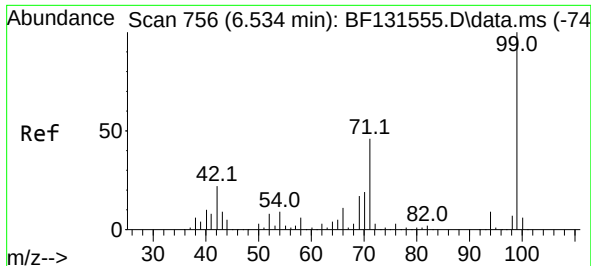


#5
2-Fluorophenol
Concen: 97.770 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18



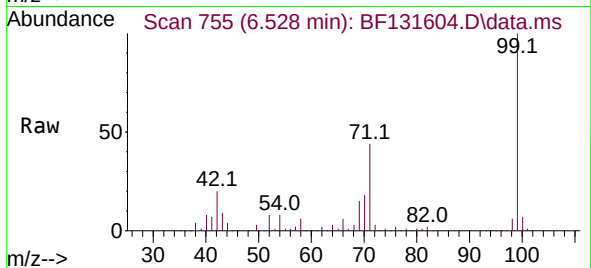
Tgt Ion:112 Resp: 370642
Ion Ratio Lower Upper
112 100
64 64.0 54.5 81.7
63 36.2 31.9 47.9





#7
Phenol-d6
Concen: 95.538 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18

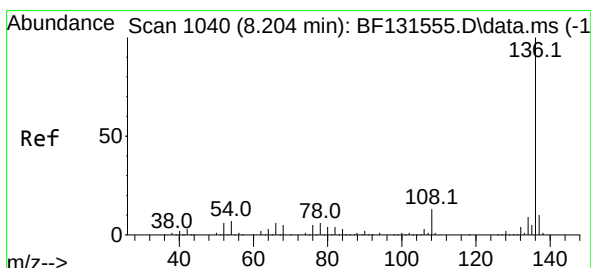
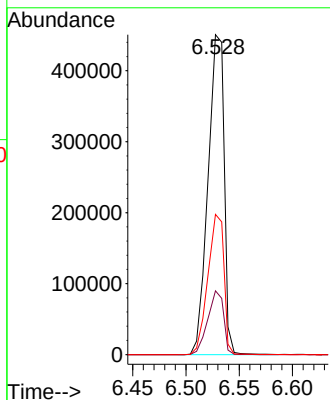
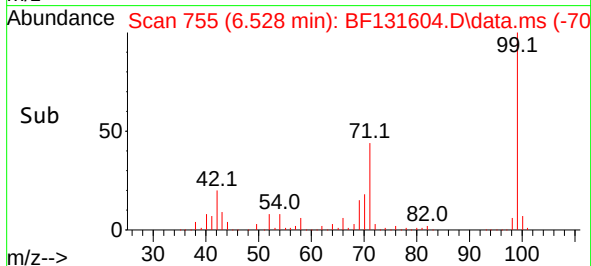
Instrument :
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72-11938



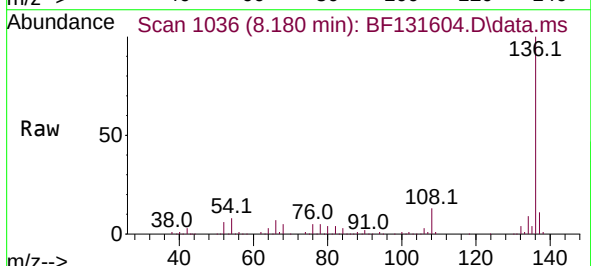
Tgt Ion: 99 Resp: 474610
Ion Ratio Lower Upper
99 100
42 19.9 17.9 26.9
71 43.8 37.2 55.8

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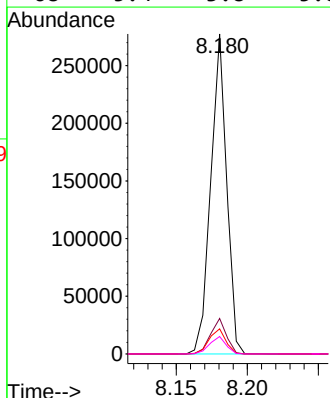
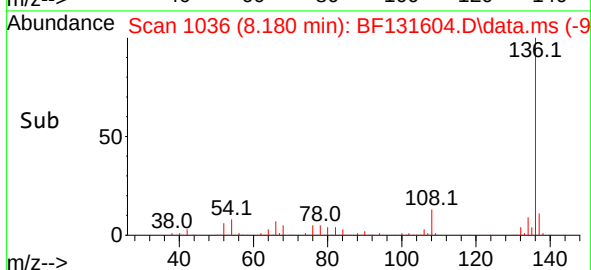
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022

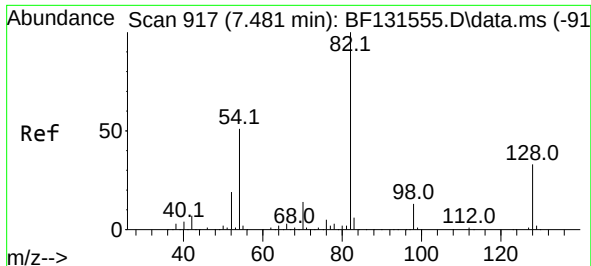


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18



Tgt Ion:136 Resp: 216352
Ion Ratio Lower Upper
136 100
137 11.1 8.1 12.1
54 7.8 6.0 9.0
68 5.4 3.8 5.8





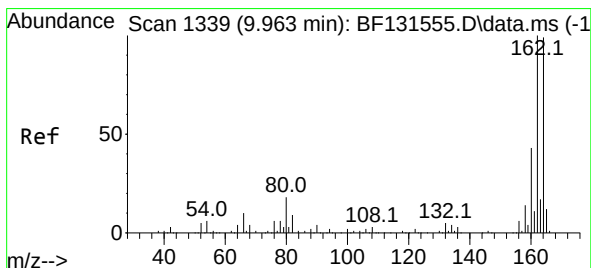
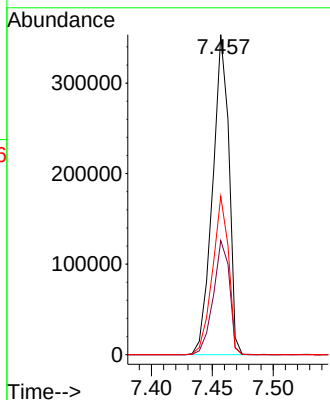
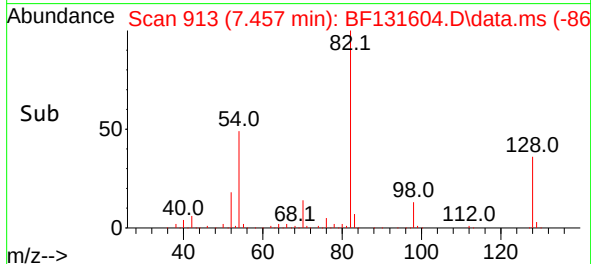
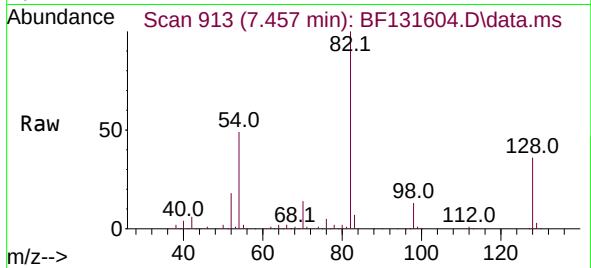
#23
Nitrobenzene-d5
Concen: 57.556 ng
RT: 7.457 min Scan# 917
Delta R.T. -0.012 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18

Instrument :
BNA_F
ClientSampleId :
72-11938

Tgt Ion: 82 Resp: 329368
Ion Ratio Lower Upper
82 100
128 35.6 26.1 39.1
54 49.5 40.6 60.8

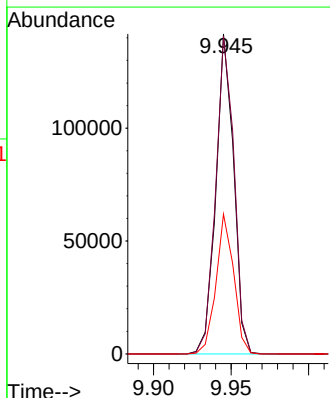
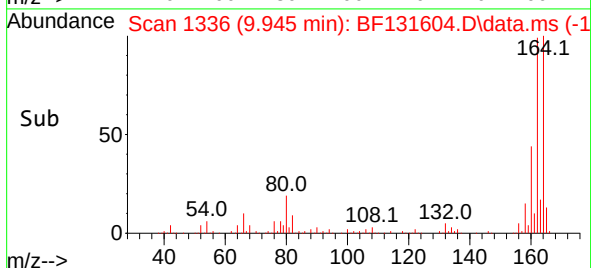
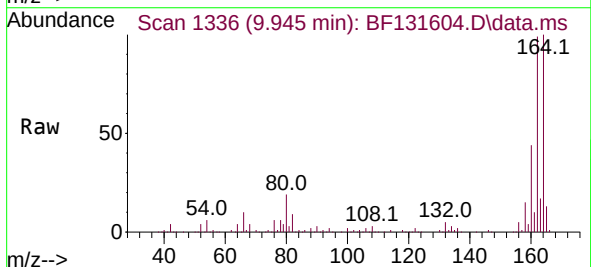
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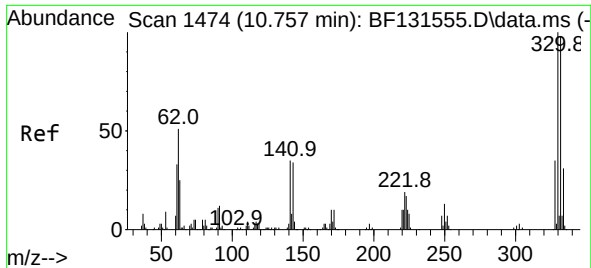
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18

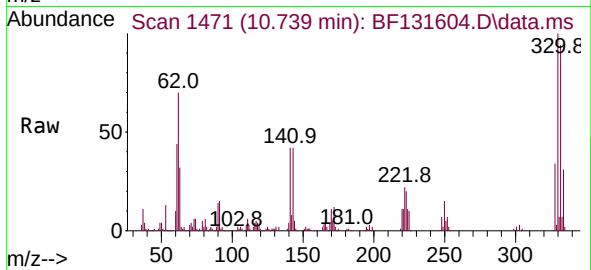
Tgt Ion:164 Resp: 112714
Ion Ratio Lower Upper
164 100
162 99.3 81.0 121.6
160 43.7 35.0 52.6





#42
2,4,6-Tribromophenol
Concen: 76.821 ng
RT: 10.739 min Scan# 1474
Delta R.T. -0.012 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18

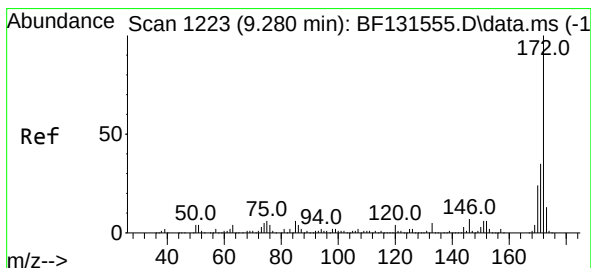
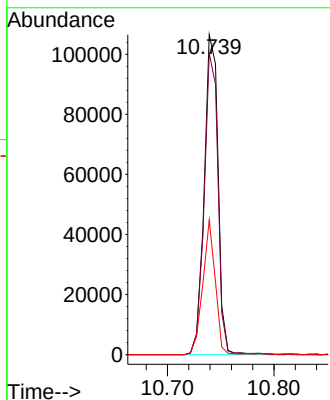
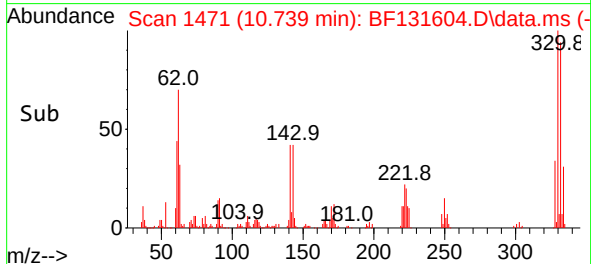
Instrument :
BNA_F
ClientSampleId :
72-11938



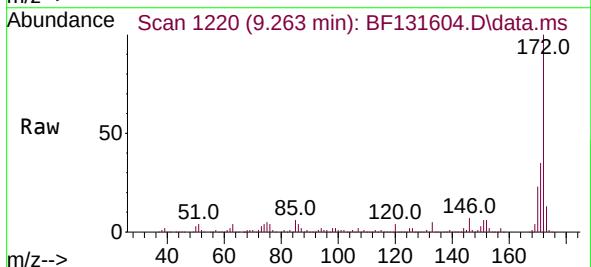
Tgt Ion: 330 Resp: 96202
Ion Ratio Lower Upper
330 100
332 93.2 78.3 117.5
141 37.8 32.6 49.0

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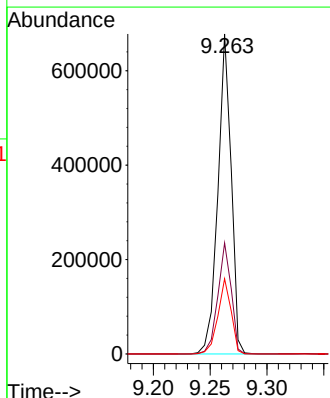
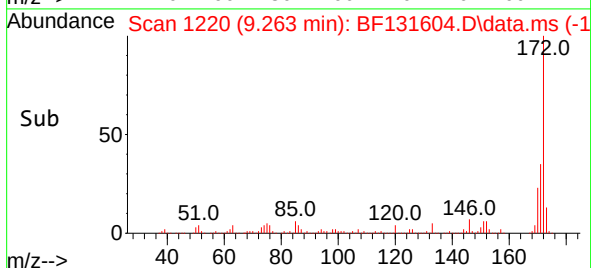
Reviewed By : Christian Giraldo 12/13/2022
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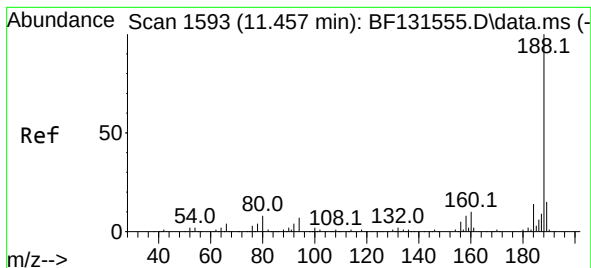


#45
2-Fluorobiphenyl
Concen: 61.204 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18



Tgt Ion: 172 Resp: 547122
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.5 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.439 min Scan# 1590

Delta R.T. -0.012 min

Lab File: BF131604.D

Acq: 12 Dec 2022 21:18

Instrument :

BNA_F

ClientSampleId :

72-11938

Tgt Ion:188 Resp: 177601

Ion Ratio Lower Upper

188 100

94 8.1 5.5 8.3

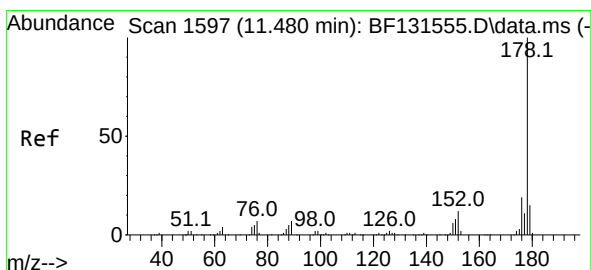
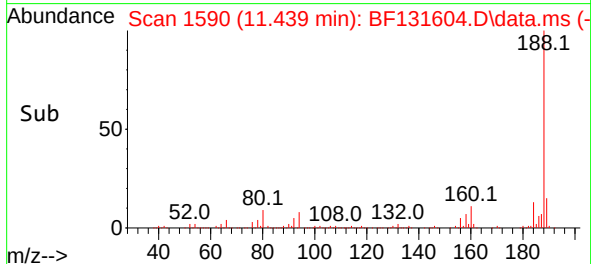
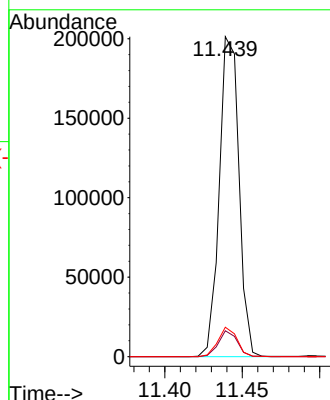
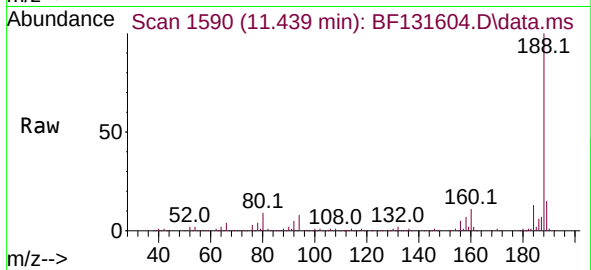
80 9.2 6.6 10.0

Manual Integrations

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Reviewed By :Christian Giraldo 12/13/2022

Supervised By :Jagrut Upadhyay 12/13/2022



#71

Phenanthrene

Concen: 3.884 ng

RT: 11.463 min Scan# 1594

Delta R.T. -0.012 min

Lab File: BF131604.D

Acq: 12 Dec 2022 21:18

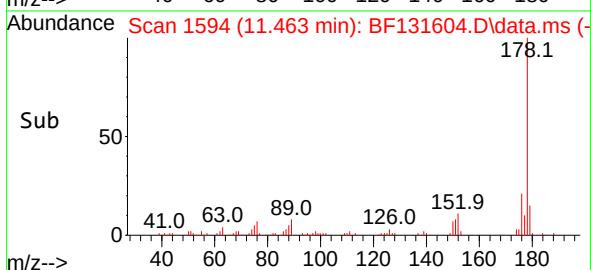
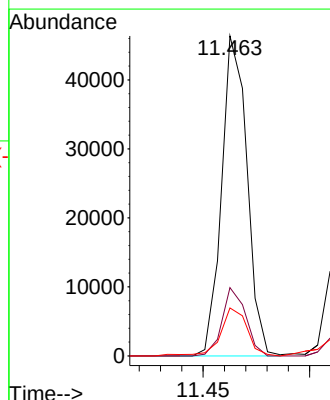
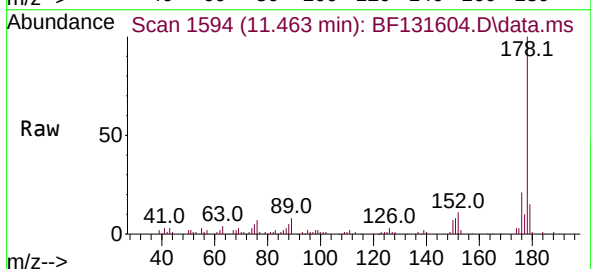
Tgt Ion:178 Resp: 38447

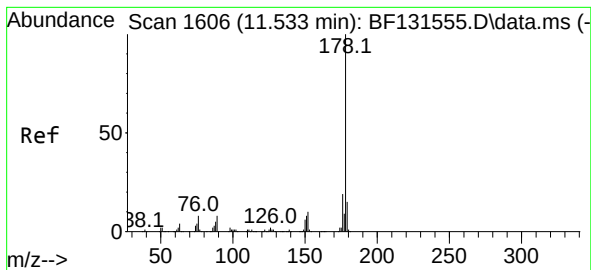
Ion Ratio Lower Upper

178 100

176 21.3 15.4 23.0

179 15.0 12.2 18.4





#72

Anthracene

Concen: 2.462 ng

RT: 11.516 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF131604.D

Acq: 12 Dec 2022 21:18

Instrument :

BNA_F

ClientSampleId :

72-11938

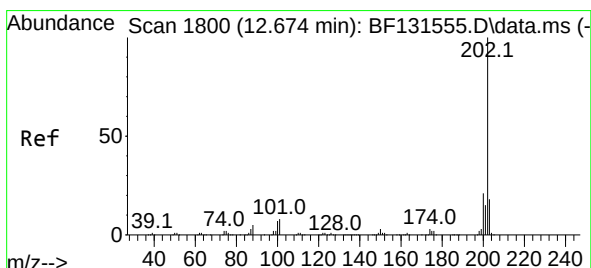
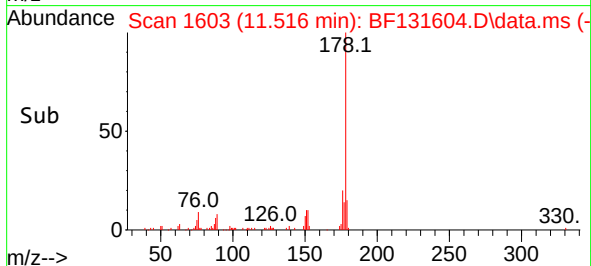
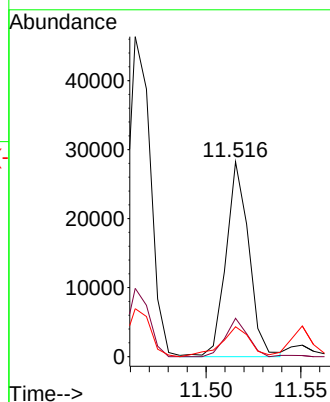
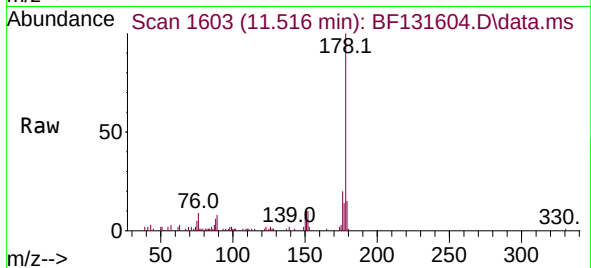
Tgt Ion:178	Resp: 2371
Ion Ratio	Lower Upper
178 100	
176 19.7	15.0 22.6
179 15.3	12.3 18.5

Manual Integrations

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#75

Fluoranthene

Concen: 17.670 ng

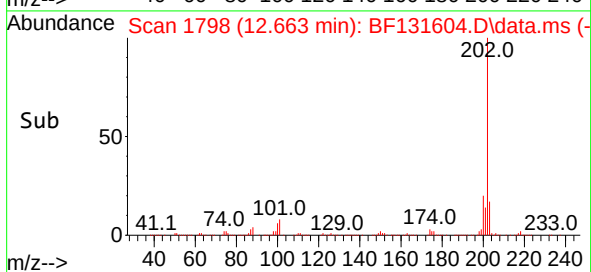
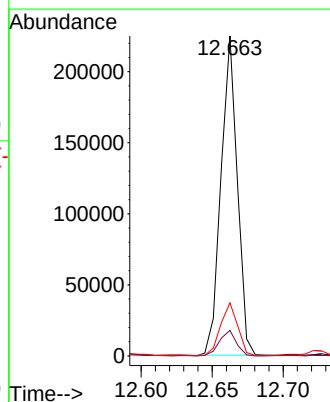
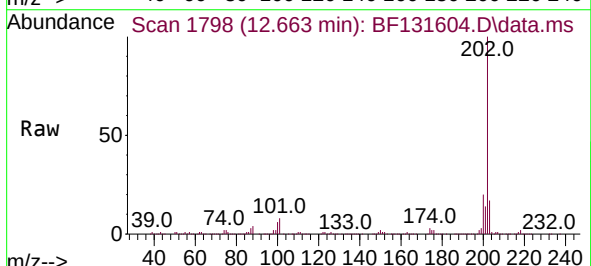
RT: 12.663 min Scan# 1798

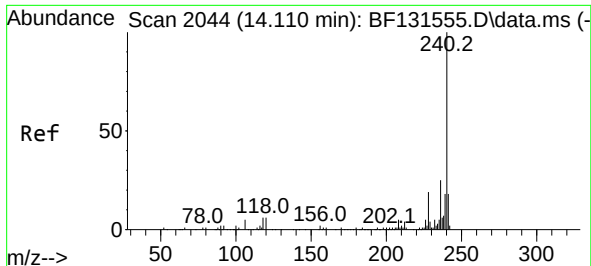
Delta R.T. -0.006 min

Lab File: BF131604.D

Acq: 12 Dec 2022 21:18

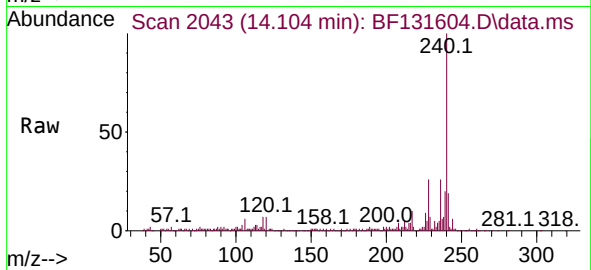
Tgt Ion:202	Resp: 180119
Ion Ratio	Lower Upper
202 100	
101 8.0	0.0 27.7
203 16.6	0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2044
Delta R.T. -0.000 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18

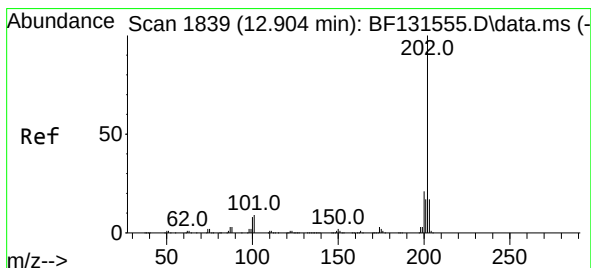
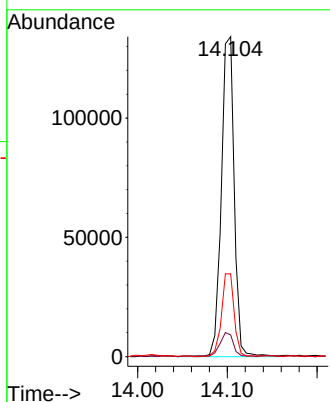
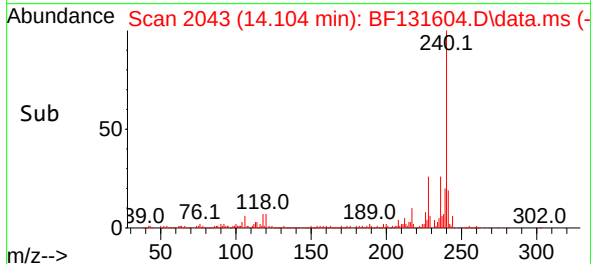
Instrument :
BNA_F
ClientSampleId :
72-11938



Tgt Ion:240 Resp: 133593
Ion Ratio Lower Upper
240 100
120 6.8 4.6 7.0
236 25.9 20.2 30.2

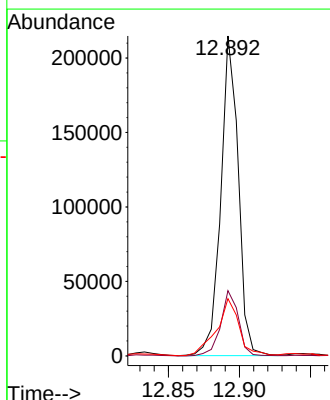
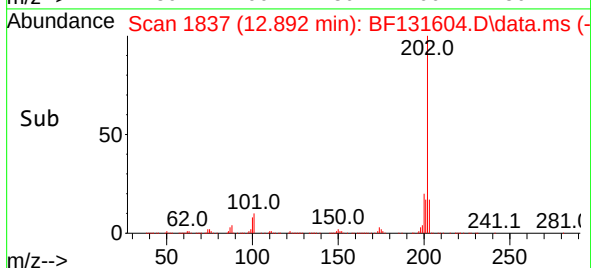
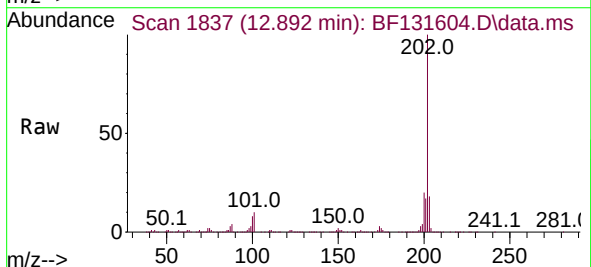
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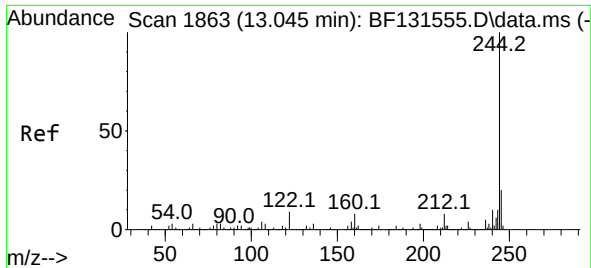
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#78
Pyrene
Concen: 13.952 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18

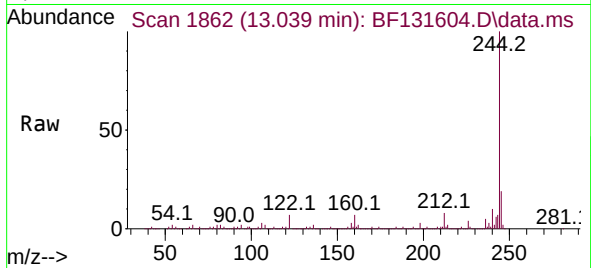
Tgt Ion:202 Resp: 183793
Ion Ratio Lower Upper
202 100
200 20.4 16.7 25.1
203 17.9 13.8 20.6





#79
 Terphenyl-d14
 Concen: 46.339 ng
 RT: 13.039 min Scan# 1862
 Delta R.T. -0.006 min
 Lab File: BF131604.D
 Acq: 12 Dec 2022 21:18

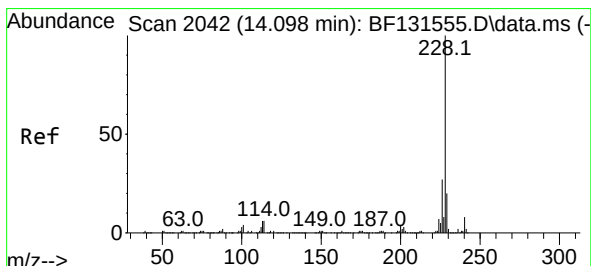
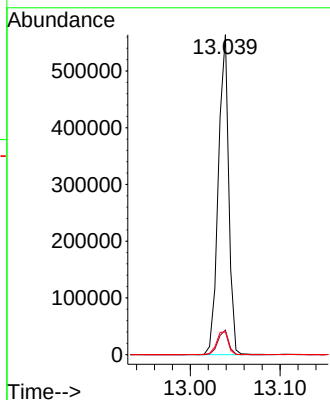
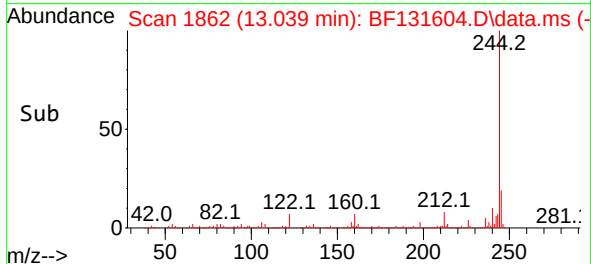
Instrument :
 BNA_F
 ClientSampleId :
 72-11938



Tgt Ion:244 Resp: 451405
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.5 9.7
 122 7.1 7.1 10.7

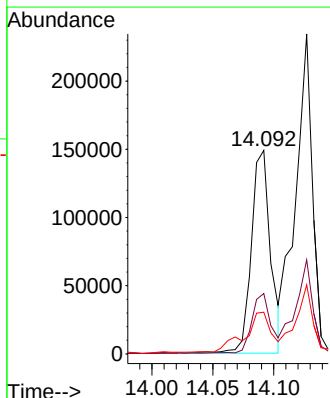
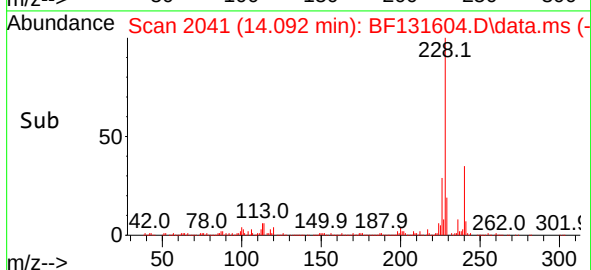
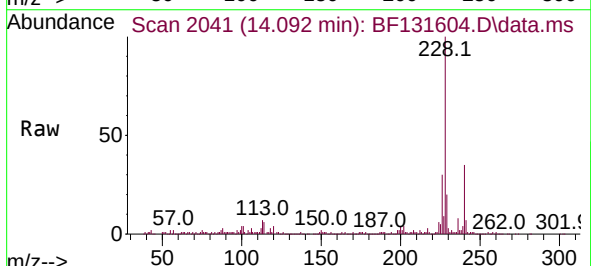
Manual Integrations
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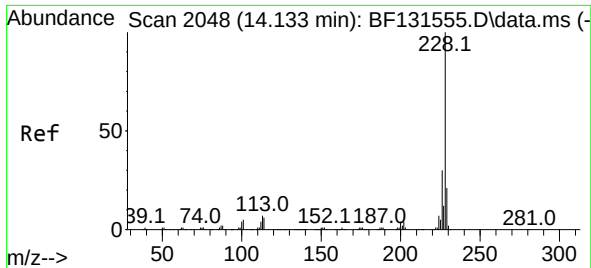
Reviewed By :Christian Giraldo 12/13/2022
 Supervised By :Jagrut Upadhyay 12/13/2022



#81
 Benzo(a)anthracene
 Concen: 16.921 ng
 RT: 14.092 min Scan# 2041
 Delta R.T. -0.000 min
 Lab File: BF131604.D
 Acq: 12 Dec 2022 21:18

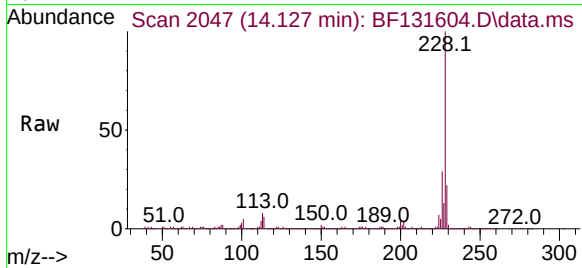
Tgt Ion:228 Resp: 163244
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.5 32.3
 229 20.5 15.8 23.6





#83
Chrysene
Concen: 24.943 ng
RT: 14.127 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18

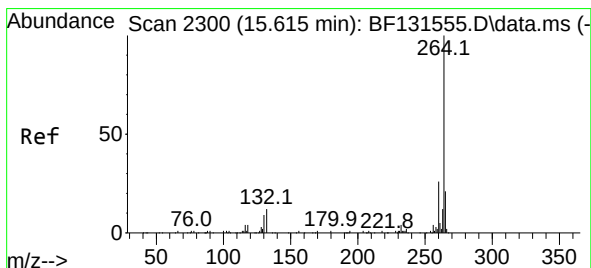
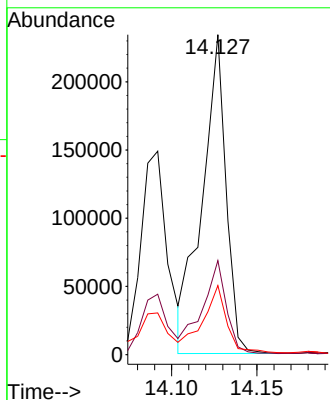
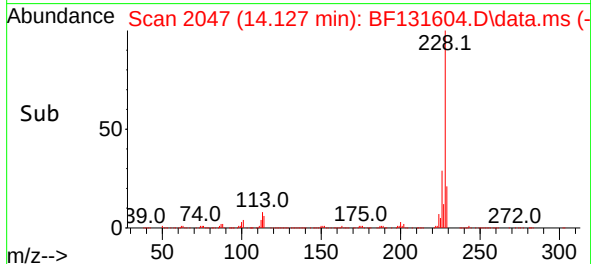
Instrument :
BNA_F
ClientSampleId :
72-11938



Tgt Ion:228 Resp: 228774
Ion Ratio Lower Upper
228 100
226 29.4 23.9 35.9
229 21.6 16.7 25.1

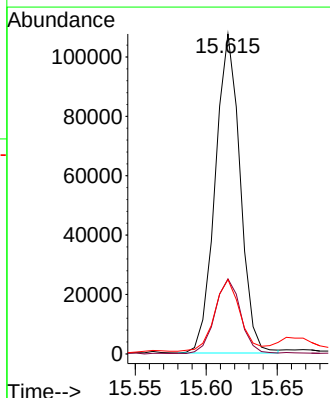
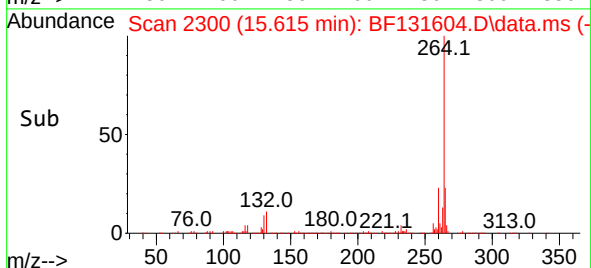
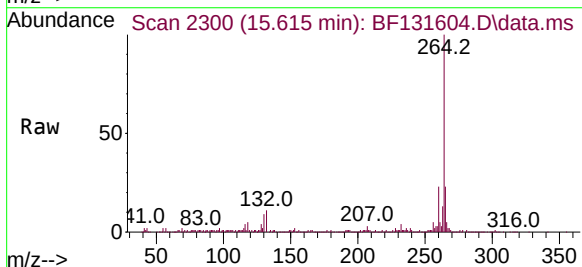
Manual Integrations
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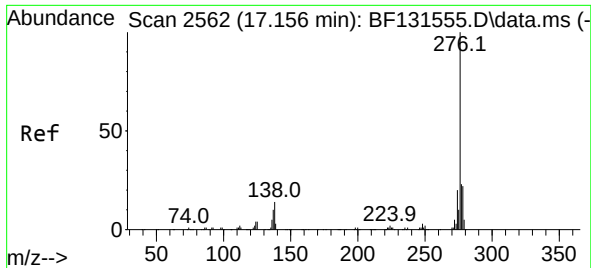
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 2300
Delta R.T. -0.000 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18

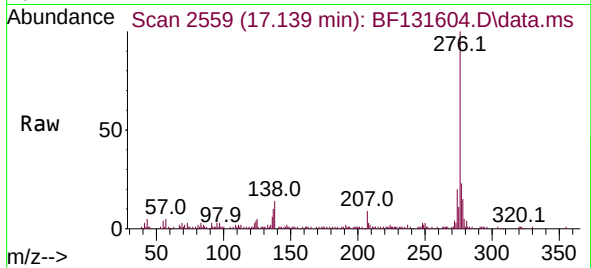
Tgt Ion:264 Resp: 131131
Ion Ratio Lower Upper
264 100
260 23.4 20.6 30.8
265 23.2 16.8 25.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.383 ng
RT: 17.139 min Scan# 2559
Delta R.T. -0.018 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18

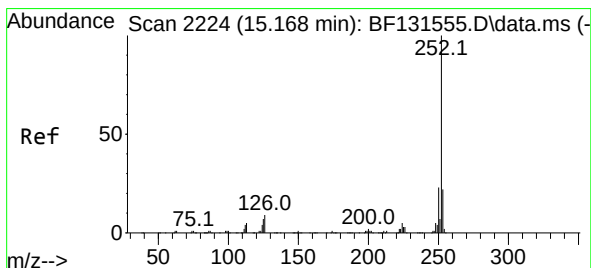
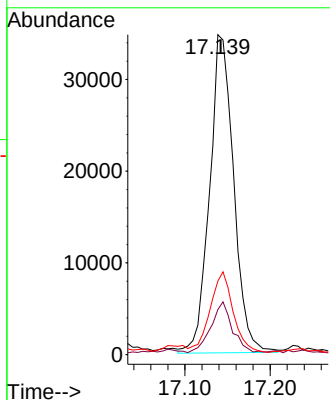
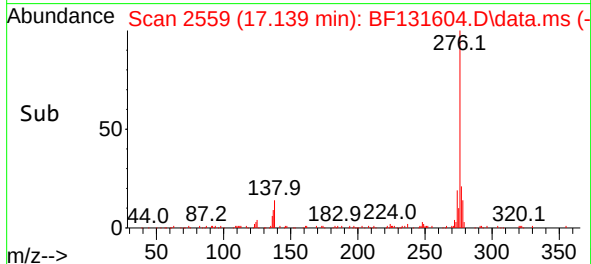
Instrument :
BNA_F
ClientSampleId :
72-11938



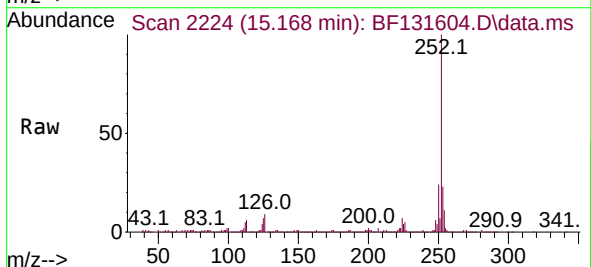
Tgt Ion:276 Resp: 68304
Ion Ratio Lower Upper
276 100
138 14.1 12.7 19.1
277 24.3 20.0 30.0

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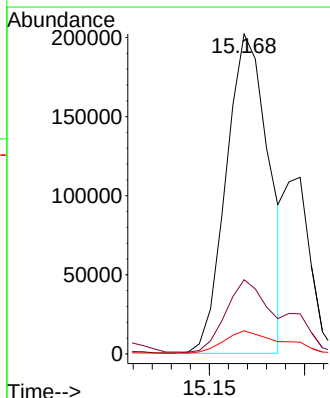
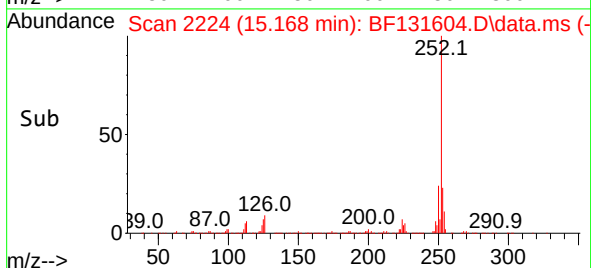
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022

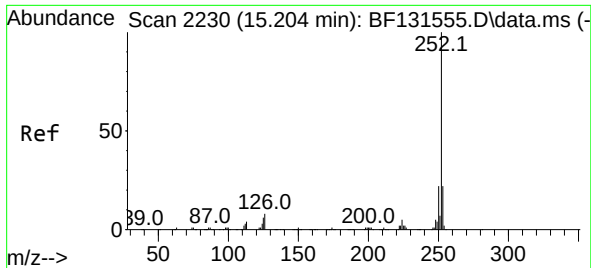


#88
Benzo(b)fluoranthene
Concen: 36.321 ng m
RT: 15.168 min Scan# 2224
Delta R.T. -0.000 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18



Tgt Ion:252 Resp: 313907
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 7.2 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 11.433 ng m

RT: 15.198 min Scan# 2229

Delta R.T. -0.006 min

Lab File: BF131604.D

Acq: 12 Dec 2022 21:18

Instrument :

BNA_F

ClientSampleId :

72-11938

Tgt Ion:252 Resp: 103135

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

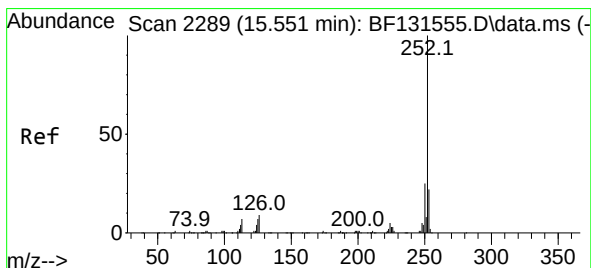
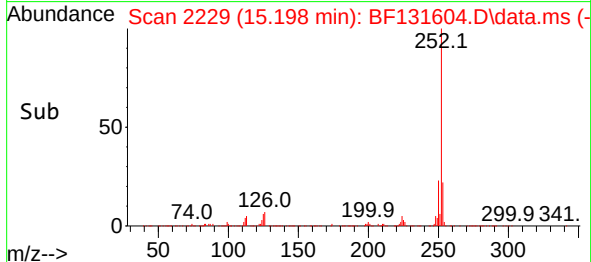
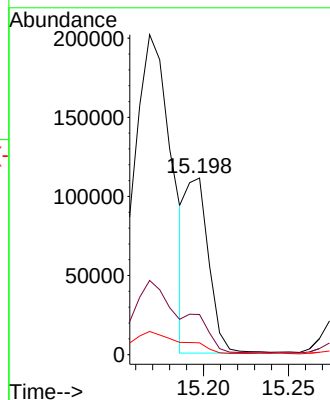
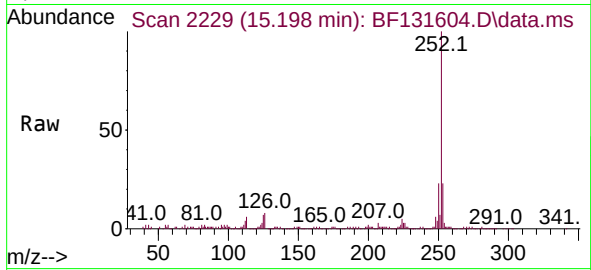
125 6.7 4.9 7.3

Manual Integrations

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Reviewed By :Christian Giraldo 12/13/2022

Supervised By :Jagrut Upadhyay 12/13/2022



#90

Benzo(a)pyrene

Concen: 19.868 ng

RT: 15.551 min Scan# 2289

Delta R.T. -0.000 min

Lab File: BF131604.D

Acq: 12 Dec 2022 21:18

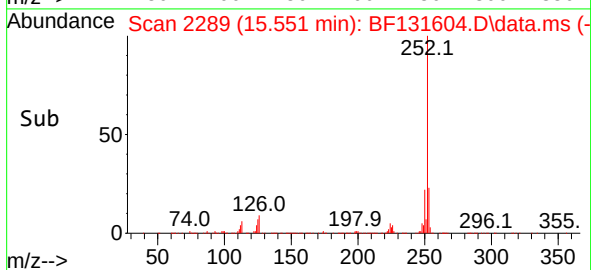
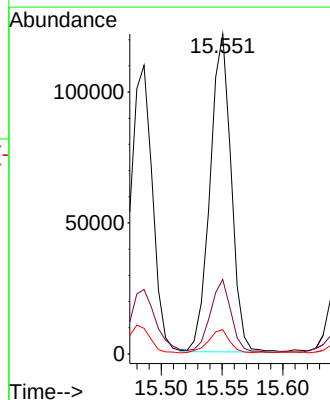
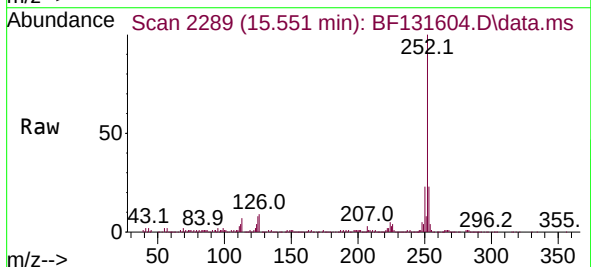
Tgt Ion:252 Resp: 146543

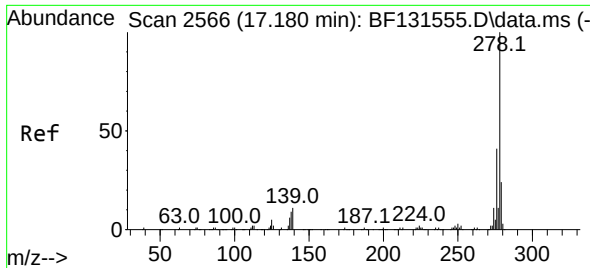
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 7.6 5.6 8.4





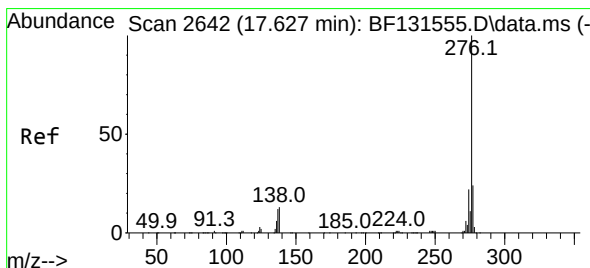
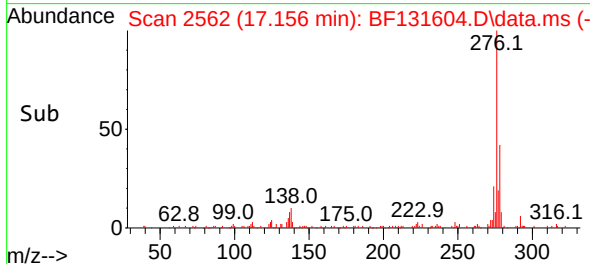
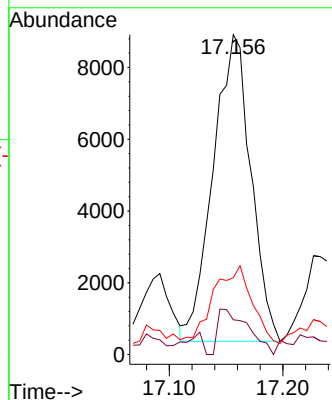
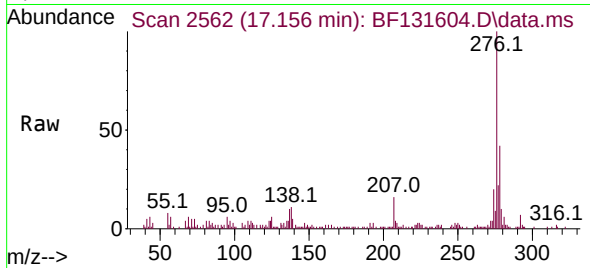
#91
Dibenzo(a,h)anthracene
Concen: 2.238 ng
RT: 17.156 min Scan# 2566
Delta R.T. -0.018 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18

Instrument :
BNA_F
ClientSampleId :
72-11938

Tgt Ion:278 Resp: 19711
Ion Ratio Lower Upper
278 100
139 10.9 8.9 13.3
279 24.0 19.0 28.6

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Supervised By :Jagrut Upadhyay 12/13/2022



#92
Benzo(g,h,i)perylene
Concen: 6.462 ng
RT: 17.609 min Scan# 2639
Delta R.T. -0.018 min
Lab File: BF131604.D
Acq: 12 Dec 2022 21:18

Tgt Ion:276 Resp: 57204
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.6
138 18.4 10.7 16.1#

