

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131150.D
 Acq On : 11 Nov 2022 12:26
 Operator : CG\JU
 Sample : N5518-03DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-110822DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/12/2022
 Supervised By : Jagrut Upadhyay 11/12/2022

Quant Time: Nov 11 14:41:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 04:15:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	59003	20.000	ng	-0.01
21) Naphthalene-d8	8.169	136	208676	20.000	ng	-0.01
39) Acenaphthene-d10	9.928	164	93402	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	136688	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	163100	20.000	ng	#-0.01
86) Perylene-d12	15.563	264	136168	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	27087	7.807	ng	-0.01
7) Phenol-d6	6.504	99	33760	7.443	ng	-0.02
23) Nitrobenzene-d5	7.445	82	21829	4.720	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	5069	5.251	ng	-0.02
45) 2-Fluorobiphenyl	9.239	172	35938	5.371	ng	-0.02
79) Terphenyl-d14	13.004	244	38508	4.140	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.957	154	19337	3.620	ng	96
55) Dibenzofuran	10.128	168	19984	2.526	ng	98
58) Fluorene	10.475	166	32659	5.083	ng	94
71) Phenanthrene	11.439	178	182212	24.238	ng	99
72) Anthracene	11.492	178	53606	7.347	ng	99
73) Carbazole	11.651	167	22208	3.423	ng	97
75) Fluoranthene	12.633	202	266393	35.400	ng	99
78) Pyrene	12.869	202	255983	18.293	ng	99
81) Benzo(a)anthracene	14.057	228	135873	11.655	ng	97
83) Chrysene	14.092	228	115902	10.527	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	39103	7.092	ng	97
88) Benzo(b)fluoranthene	15.121	252	127404m	13.234	ng	
89) Benzo(k)fluoranthene	15.151	252	43890m	4.743	ng	
90) Benzo(a)pyrene	15.498	252	97449	12.626	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	11391m	5.000	ng	
92) Benzo(g,h,i)perylene	17.527	276	38155	7.988	ng	99

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

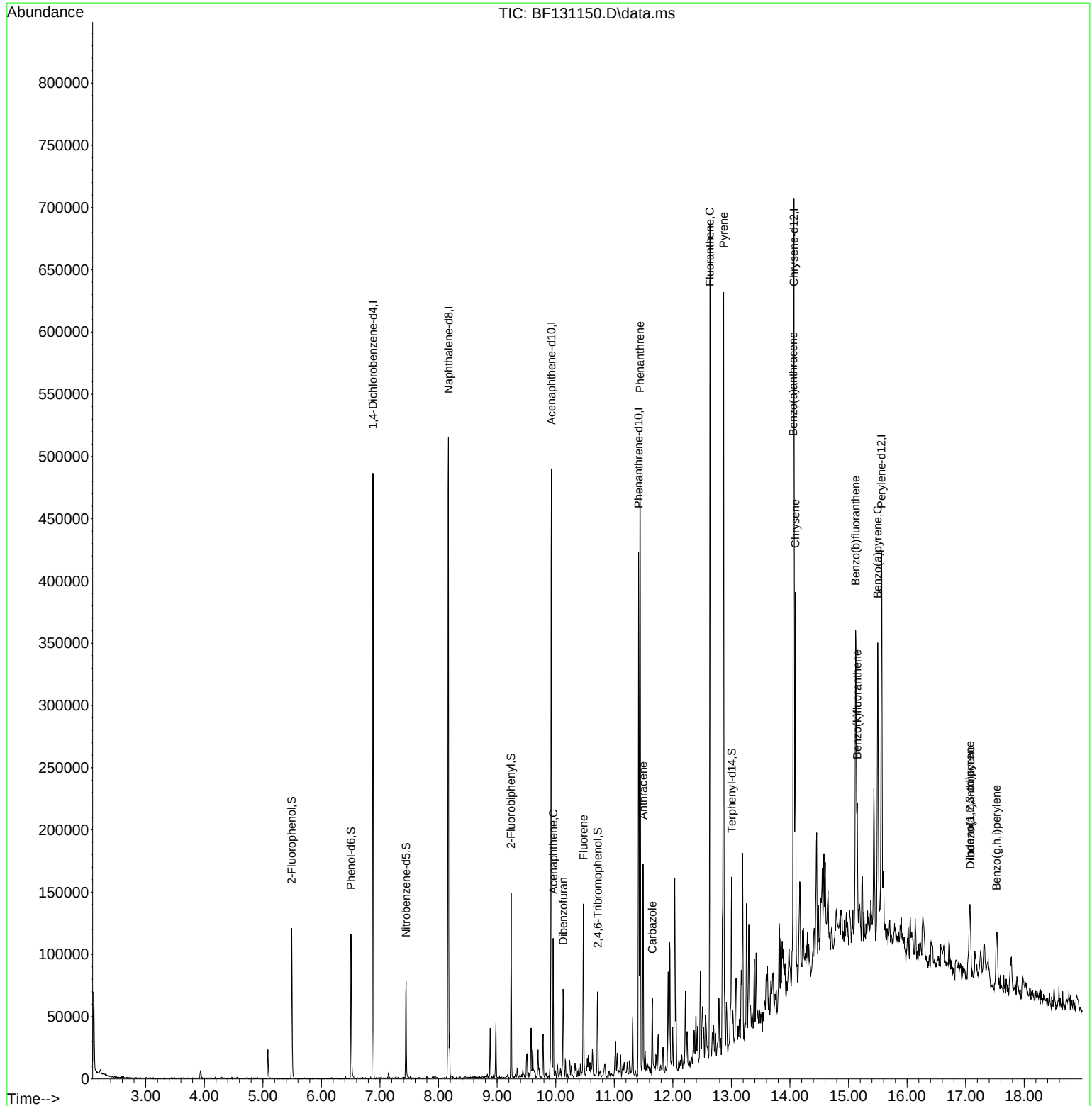
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
Data File : BF131150.D
Acq On : 11 Nov 2022 12:26
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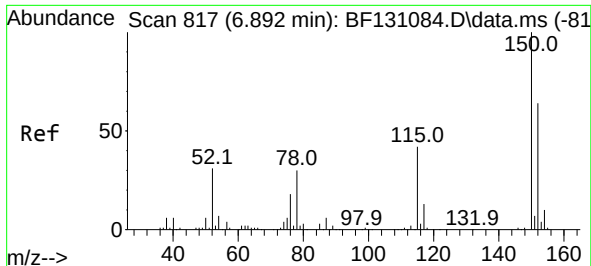
Instrument :
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ClientSampleId :
PAT-03-110822DL

Quant Time: Nov 11 14:41:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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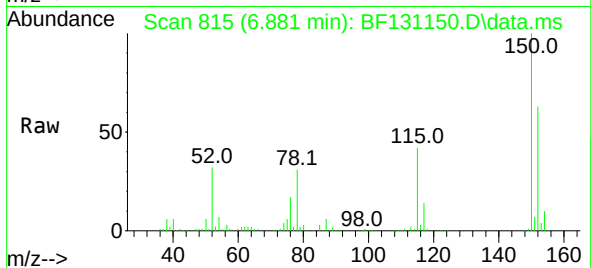
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.011 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

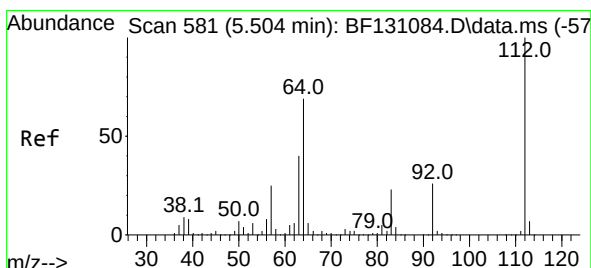
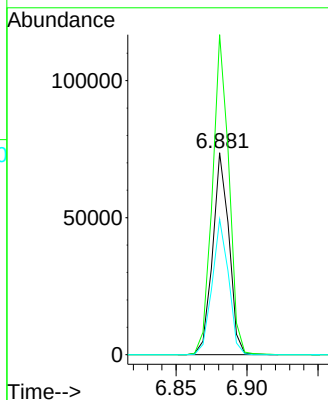
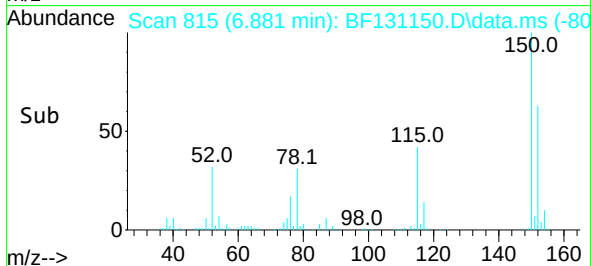
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822DL



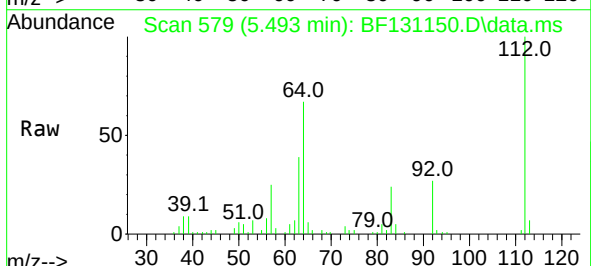
Tgt Ion:152 Resp: 59000
Ion Ratio Lower Upper
152 100
150 158.4 125.5 188.3
115 67.1 52.2 78.2

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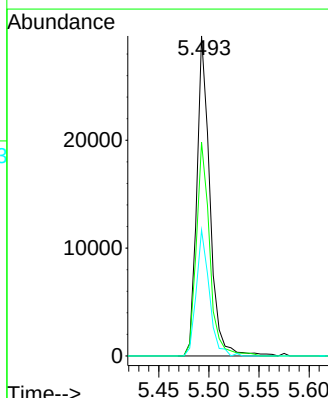
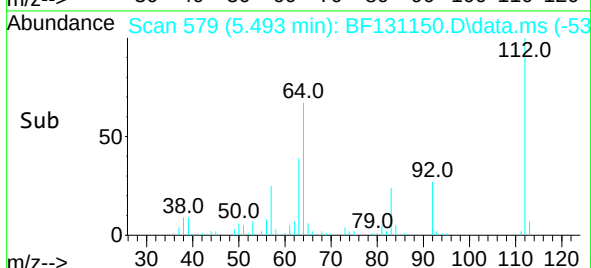
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

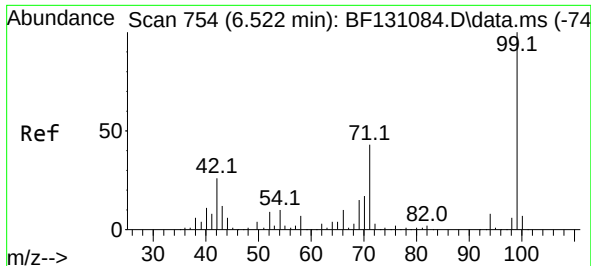


#5
2-Fluorophenol
Concen: 7.807 ng
RT: 5.493 min Scan# 579
Delta R.T. -0.011 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26



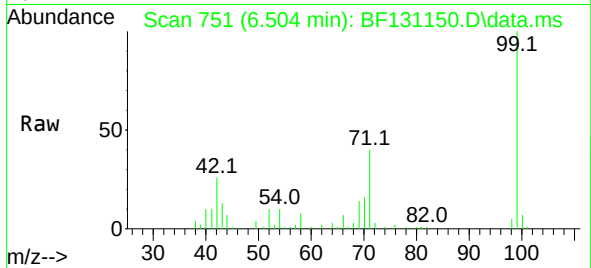
Tgt Ion:112 Resp: 27087
Ion Ratio Lower Upper
112 100
64 66.7 55.1 82.7
63 39.3 32.4 48.6





#7
Phenol-d6
Concen: 7.443 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

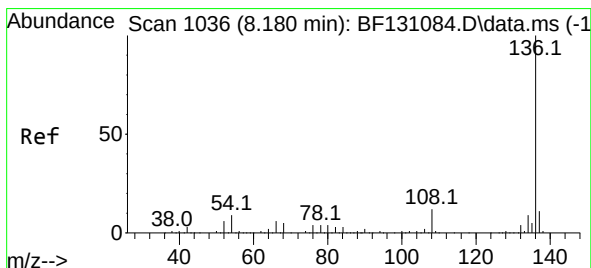
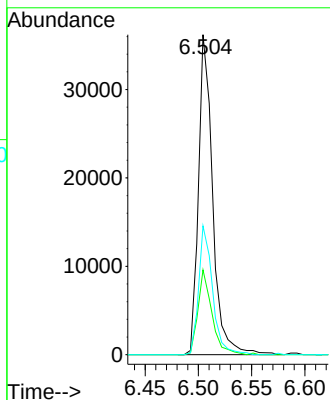
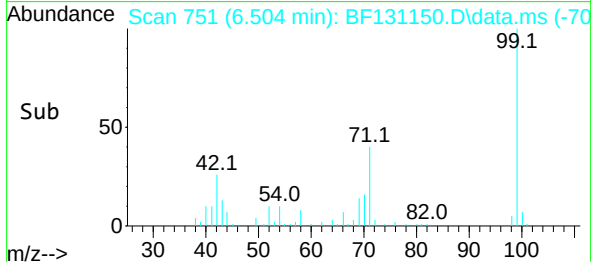
Instrument :
BNA_F
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Tgt Ion: 99 Resp: 33760
Ion Ratio Lower Upper
99 100
42 26.5 20.8 31.2
71 40.3 34.2 51.4

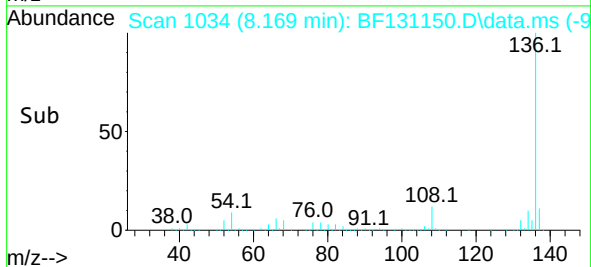
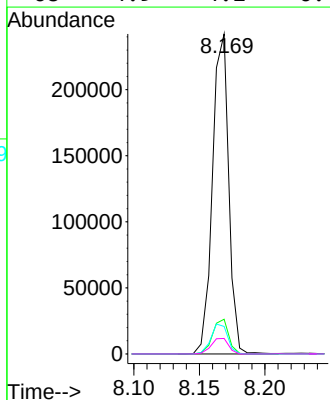
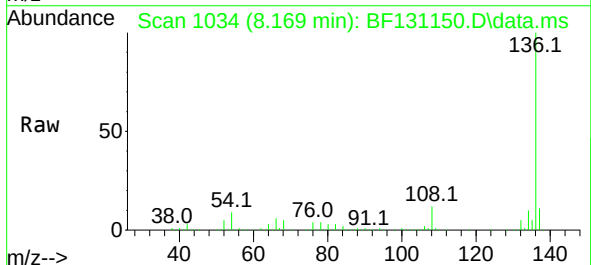
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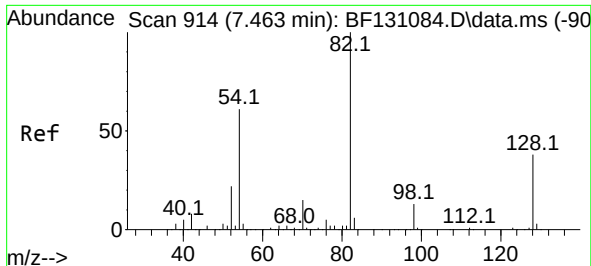
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.011 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

Tgt Ion:136 Resp: 208676
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.6 7.2 10.8
68 4.9 4.2 6.4





#23

Nitrobenzene-d5

Concen: 4.720 ng

RT: 7.445 min Scan# 91

Delta R.T. -0.017 min

Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

Instrument :

BNA_F

ClientSampleId :

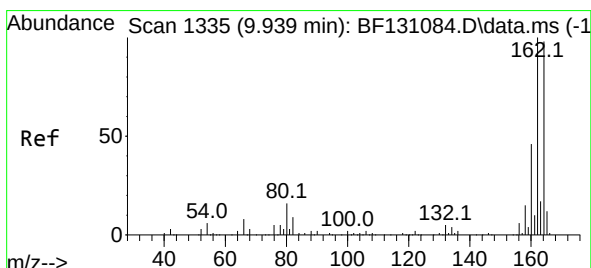
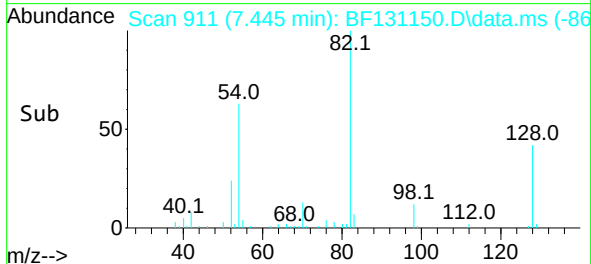
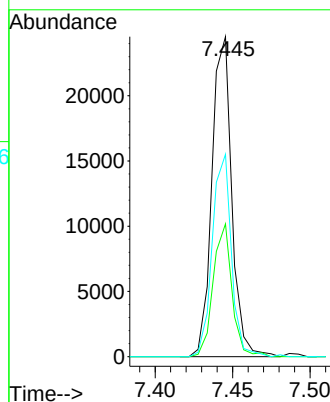
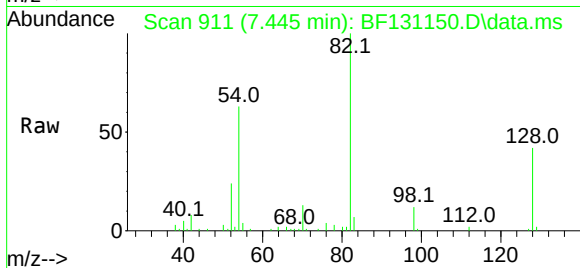
PAT-03-110822DL

Tgt Ion: 82	Resp: 21829
Ion Ratio	Lower Upper
82	100
128	41.5 30.5 45.7
54	63.3 49.1 73.7

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

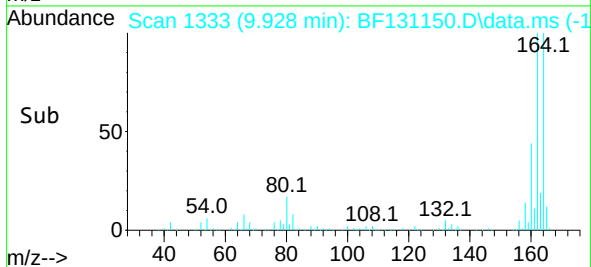
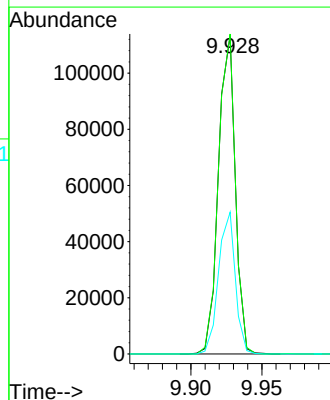
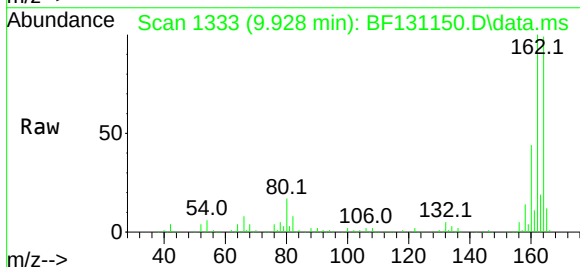
RT: 9.928 min Scan# 1333

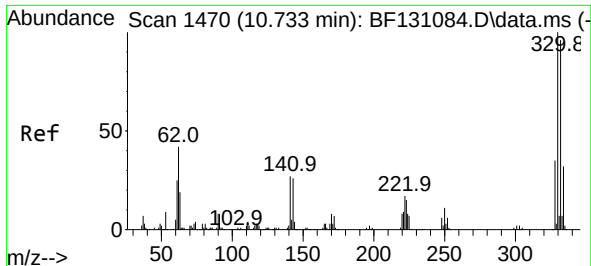
Delta R.T. -0.011 min

Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

Tgt Ion:164	Resp: 93402
Ion Ratio	Lower Upper
164	100
162	100.6 81.7 122.5
160	44.5 37.4 56.2





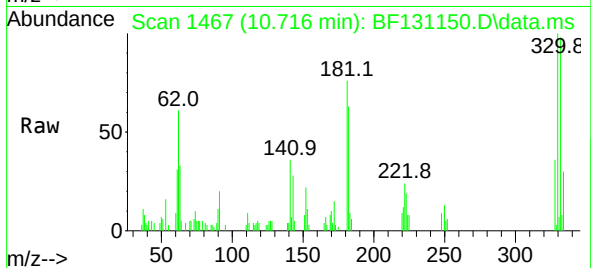
#42
2,4,6-Tribromophenol
Concen: 5.251 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

Instrument :

BNA_F

ClientSampleId :

PAT-03-110822DL



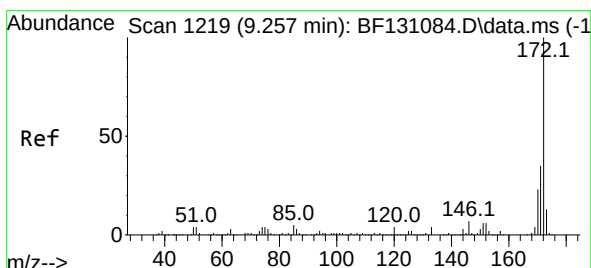
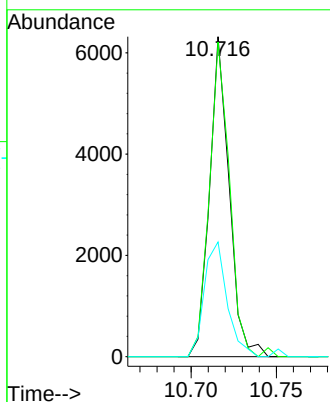
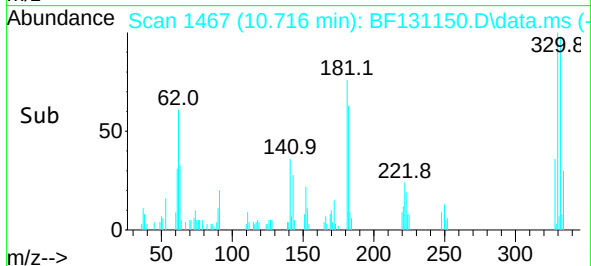
Tgt Ion: 330 Resp: 5069
Ion Ratio Lower Upper
330 100
332 101.6 77.0 115.4
141 41.6 28.5 42.7

Manual Integrations

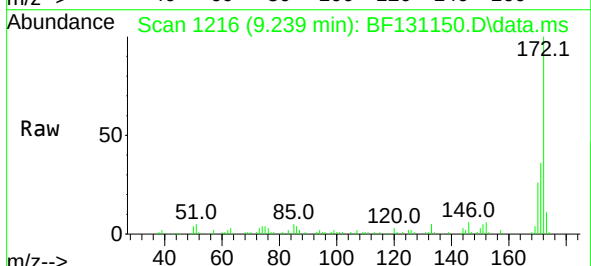
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Reviewed By : Christian Giraldo 11/12/2022

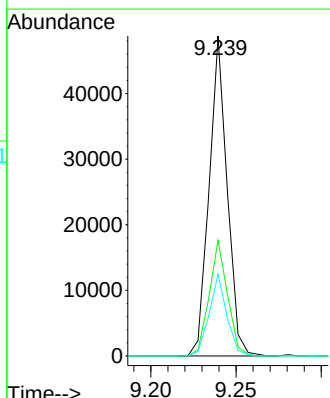
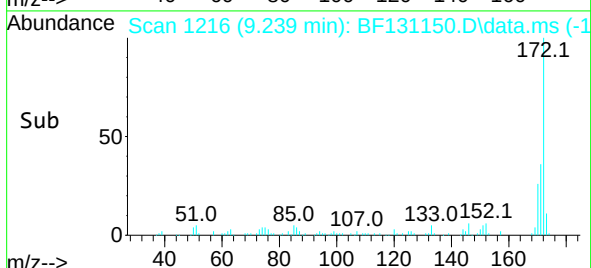
Supervised By : Jagrut Upadhyay 11/12/2022

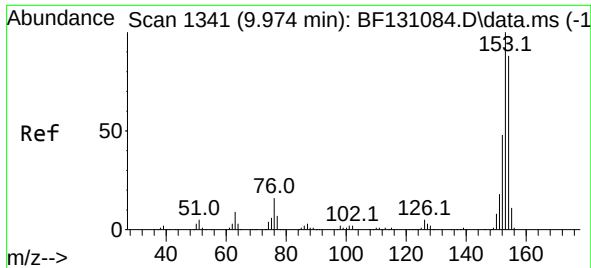


#45
2-Fluorobiphenyl
Concen: 5.371 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26



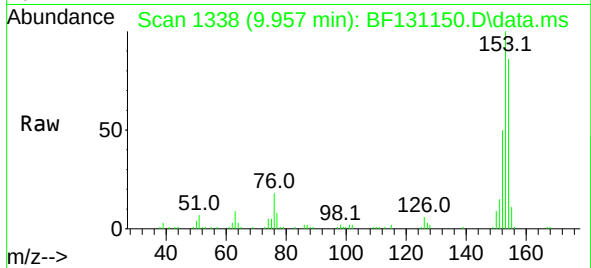
Tgt Ion: 172 Resp: 35938
Ion Ratio Lower Upper
172 100
171 36.2 27.7 41.5
170 25.5 18.8 28.2





#52
Acenaphthene
Concen: 3.620 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

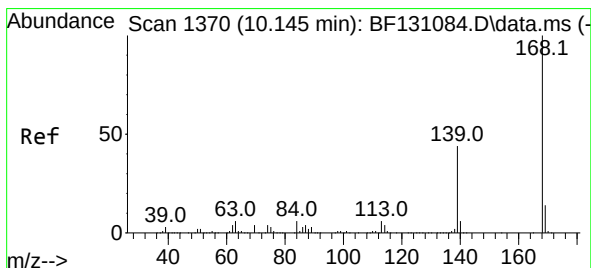
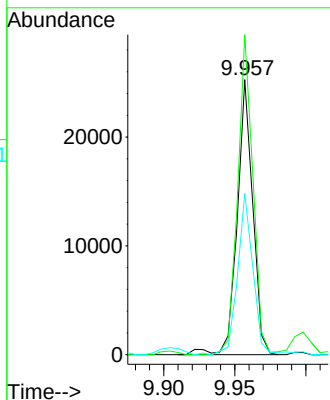
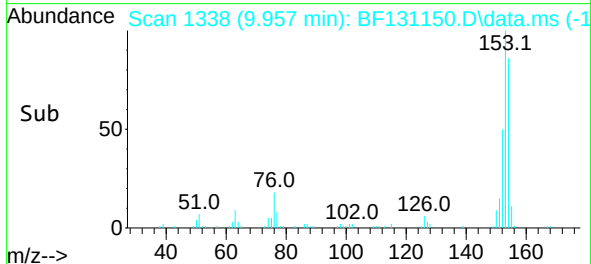
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ClientSampleId :
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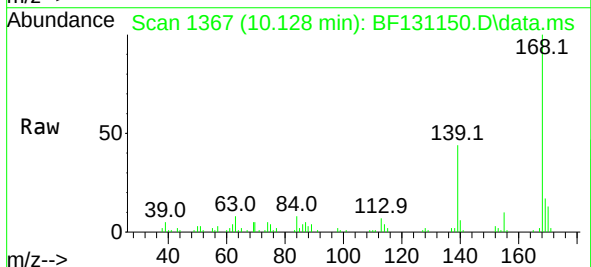
Tgt Ion:154 Resp: 1933
Ion Ratio Lower Upper
154 100
153 116.3 90.8 136.2
152 58.6 43.4 65.2

Manual Integrations
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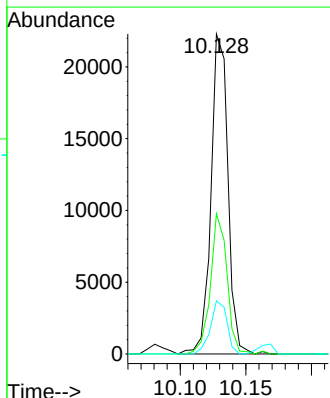
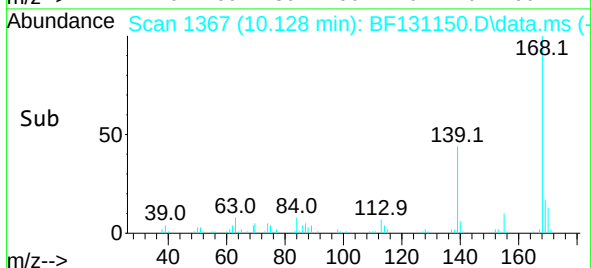
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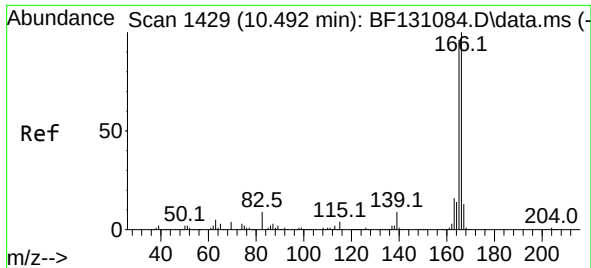


#55
Dibenzofuran
Concen: 2.526 ng
RT: 10.128 min Scan# 1367
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26



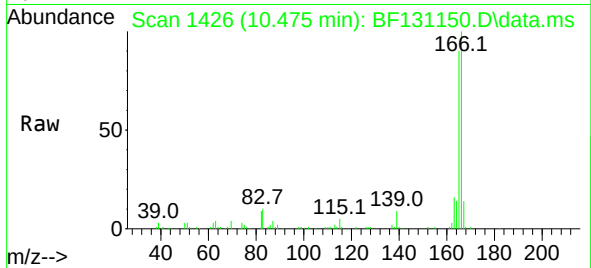
Tgt Ion:168 Resp: 19984
Ion Ratio Lower Upper
168 100
139 43.9 35.0 52.4
169 16.6 11.2 16.8





#58
Fluorene
Concen: 5.083 ng
RT: 10.475 min Scan# 1429
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

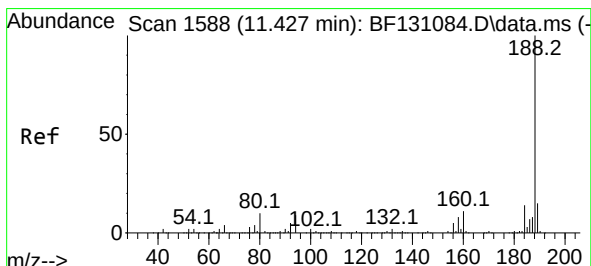
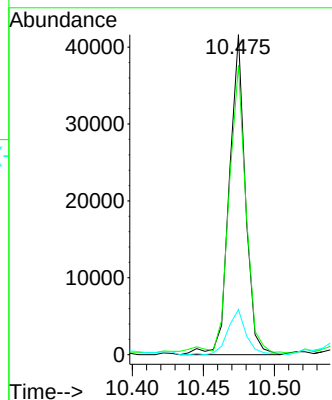
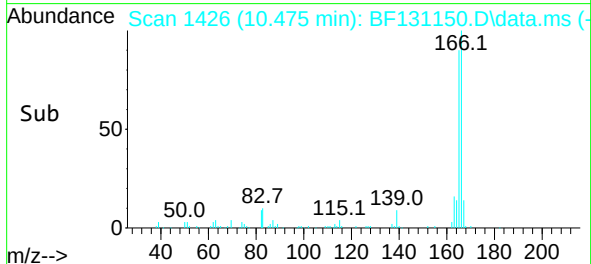
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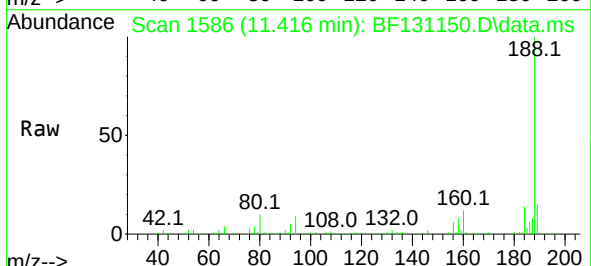
Tgt Ion:166 Resp: 32659
Ion Ratio Lower Upper
166 100
165 90.4 77.2 115.8
167 14.1 10.2 15.4

Manual Integrations
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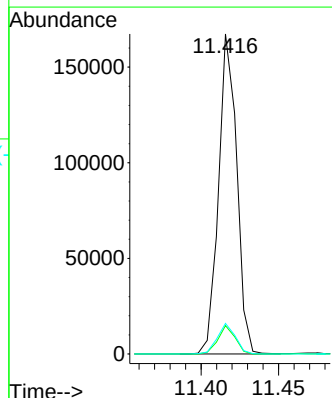
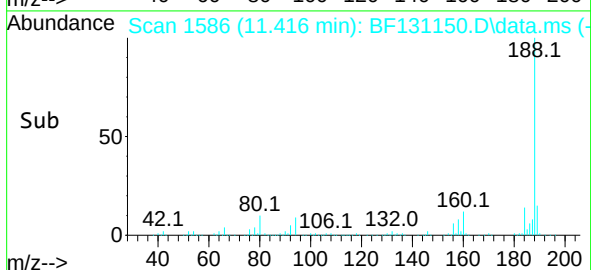
Reviewed By :Christian Giraldo 11/12/2022
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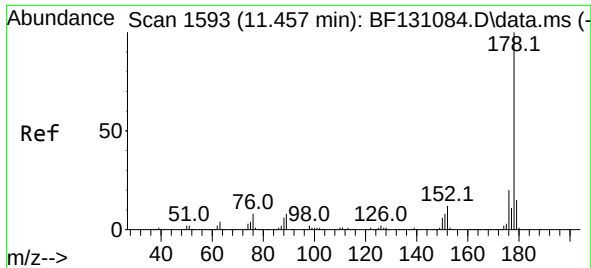


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.011 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26



Tgt Ion:188 Resp: 136688
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 9.6 7.9 11.9





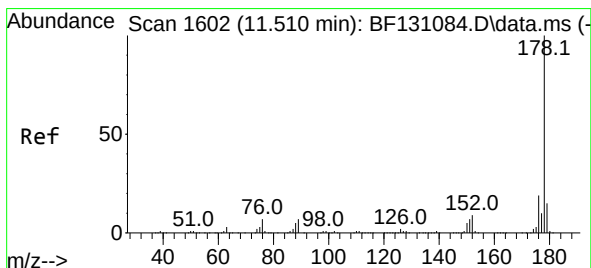
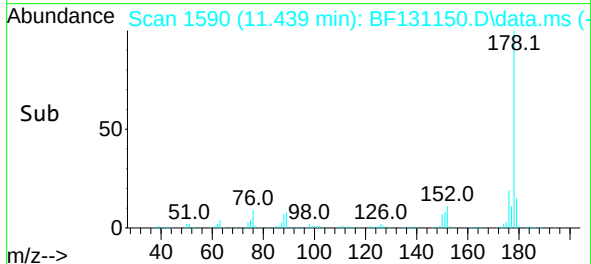
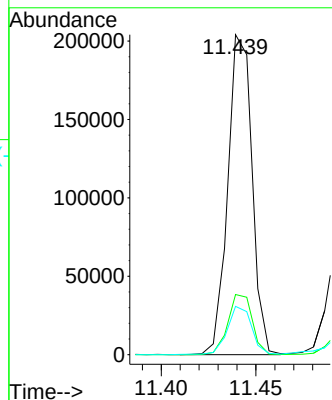
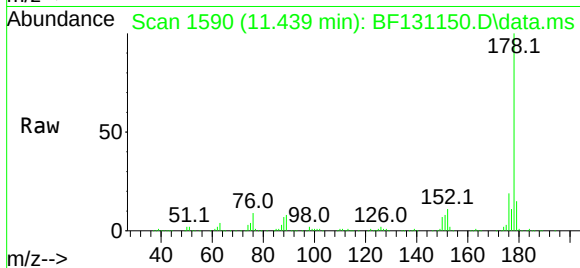
#71
Phenanthrene
Concen: 24.238 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:178 Resp: 18221
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.1 12.2 18.2

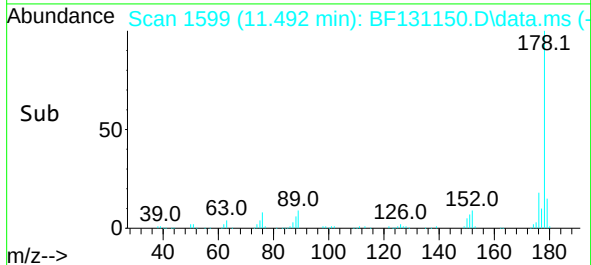
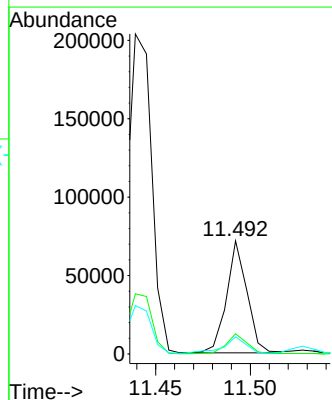
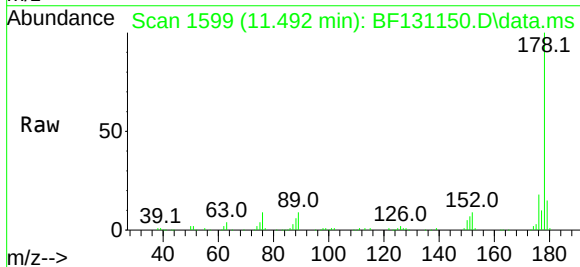
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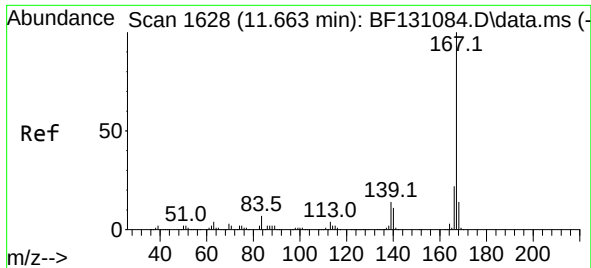
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#72
Anthracene
Concen: 7.347 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

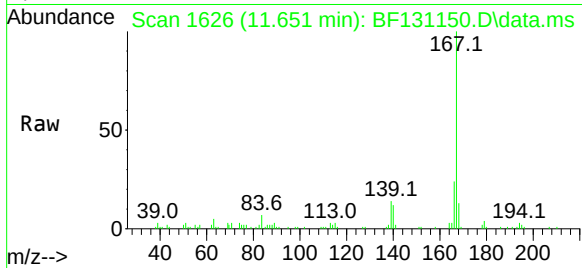
Tgt Ion:178 Resp: 53606
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.6
179 15.1 11.8 17.8





#73
 Carbazole
 Concen: 3.423 ng
 RT: 11.651 min Scan# 1626
 Delta R.T. -0.012 min
 Lab File: BF131150.D
 Acq: 11 Nov 2022 12:26

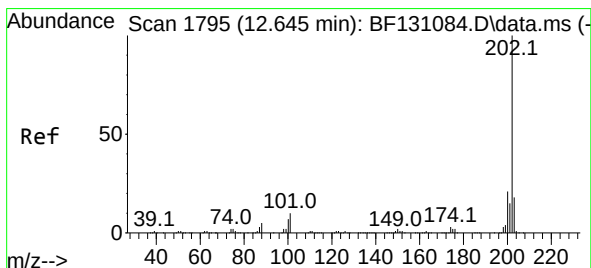
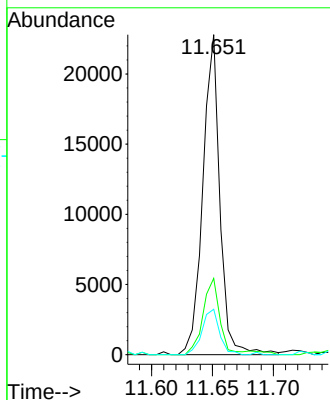
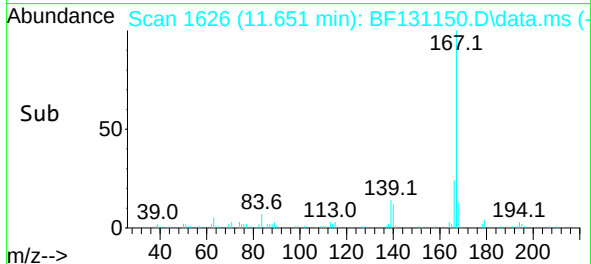
Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-110822DL



Tgt Ion:167 Resp: 22208
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.6 26.4
 139 14.2 10.8 16.2

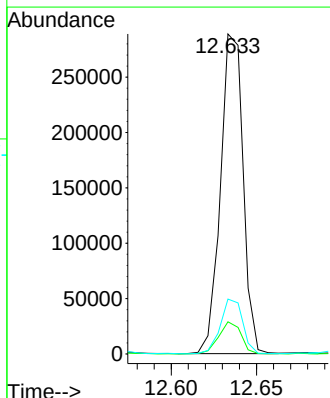
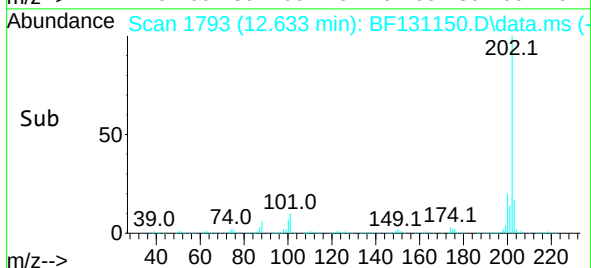
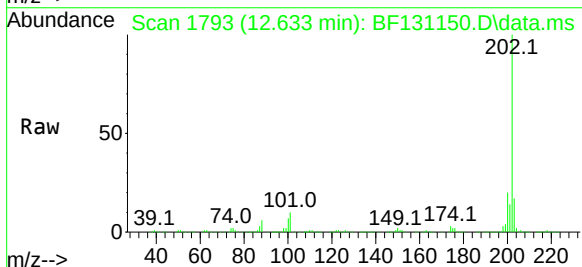
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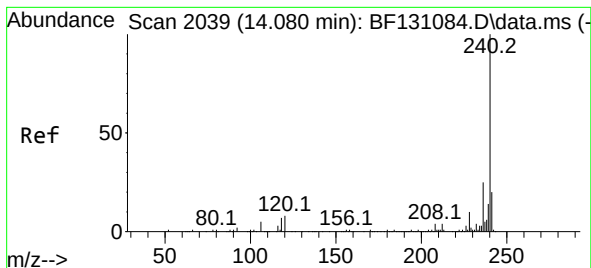
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022



#75
 Fluoranthene
 Concen: 35.400 ng
 RT: 12.633 min Scan# 1793
 Delta R.T. -0.012 min
 Lab File: BF131150.D
 Acq: 11 Nov 2022 12:26

Tgt Ion:202 Resp: 266393
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 30.0
 203 17.2 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.012 min

Lab File: BF131150.D

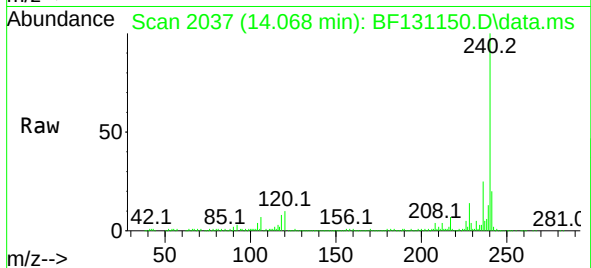
Acq: 11 Nov 2022 12:26

Instrument :

BNA_F

ClientSampleId :

PAT-03-110822DL



Tgt Ion:240 Resp: 163100

Ion Ratio Lower Upper

240 100

120 10.0 6.5 9.7

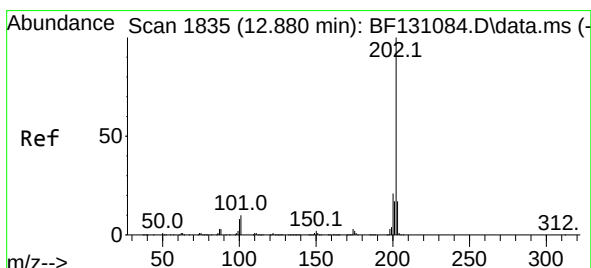
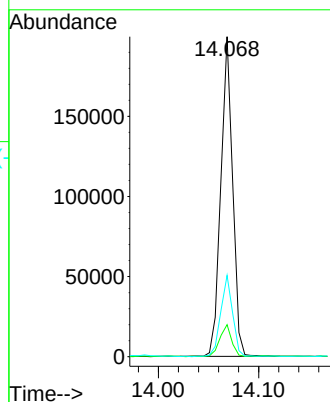
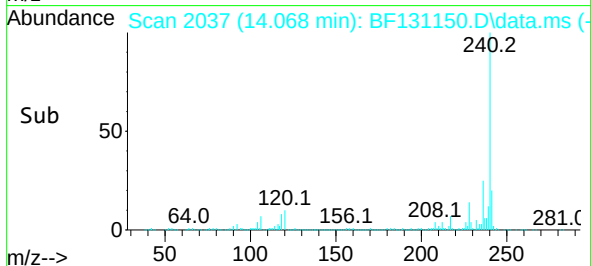
236 25.4 19.7 29.5

Manual Integrations

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Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#78

Pyrene

Concen: 18.293 ng

RT: 12.869 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

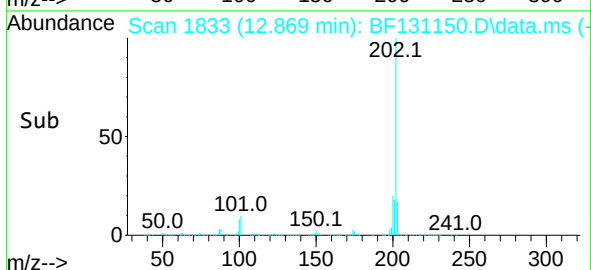
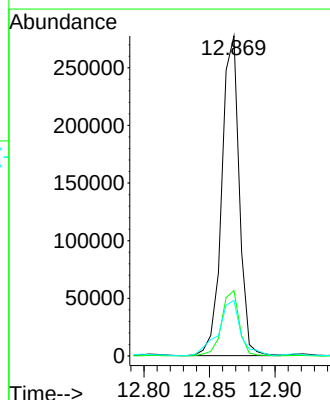
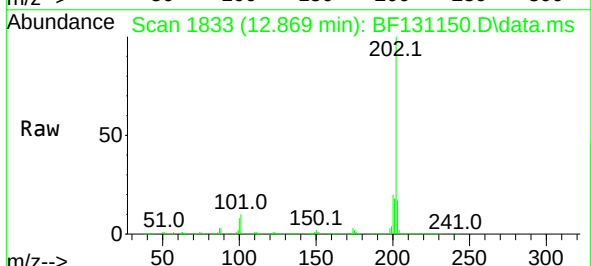
Tgt Ion:202 Resp: 255983

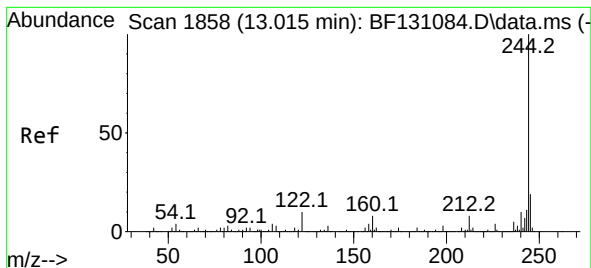
Ion Ratio Lower Upper

202 100

200 20.4 16.8 25.2

203 17.4 13.6 20.4





#79

Terphenyl-d14

Concen: 4.140 ng

RT: 13.004 min Scan# 1856

Delta R.T. -0.011 min

Lab File: BF131150.D

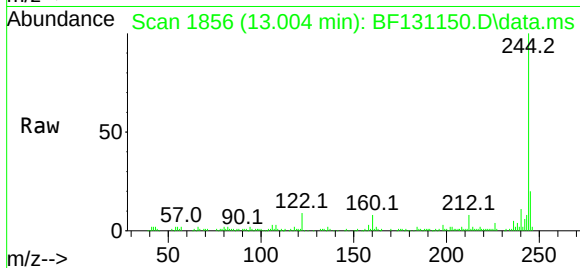
Acq: 11 Nov 2022 12:26

Instrument :

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ClientSampleId :

PAT-03-110822DL



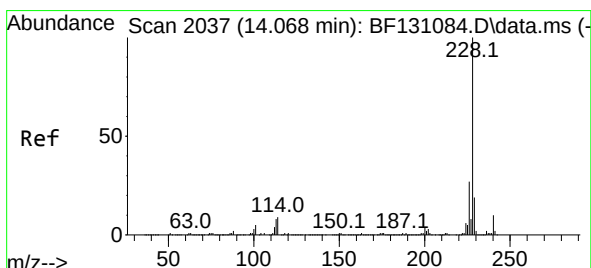
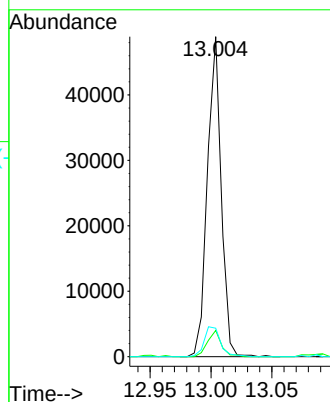
Tgt Ion:	244	Resp:	38508
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.2	9.2
122	8.9	7.8	11.8

Manual Integrations

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Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#81

Benzo(a)anthracene

Concen: 11.655 ng

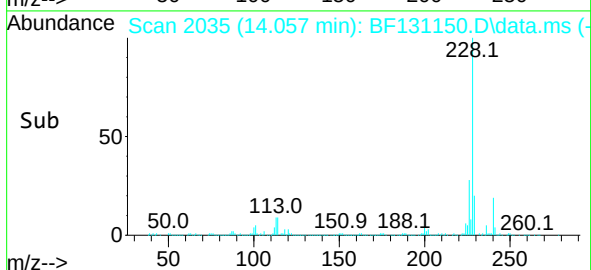
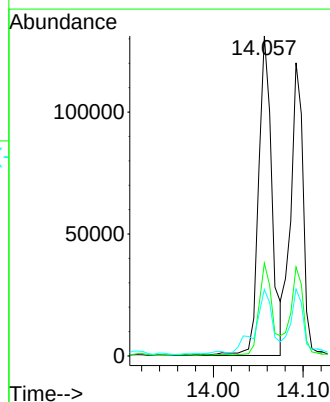
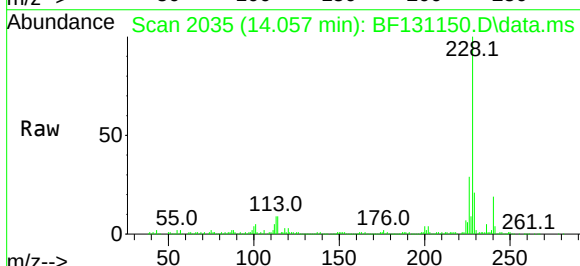
RT: 14.057 min Scan# 2035

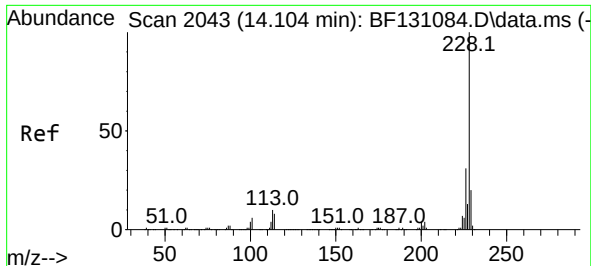
Delta R.T. -0.012 min

Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

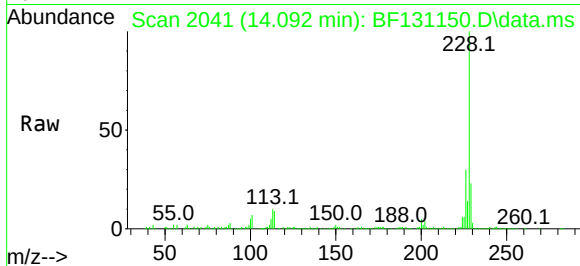
Tgt Ion:	228	Resp:	135873
Ion Ratio	Lower	Upper	
228	100		
226	29.0	21.8	32.6
229	20.8	15.4	23.2





#83
Chrysene
Concen: 10.527 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.012 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

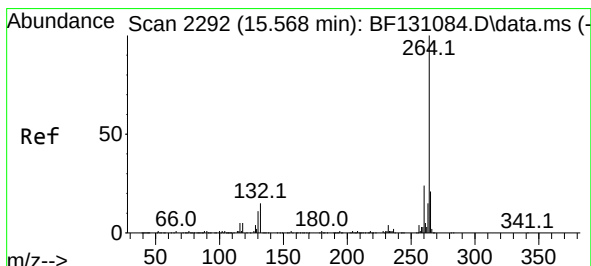
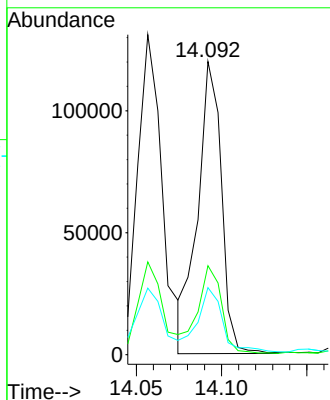
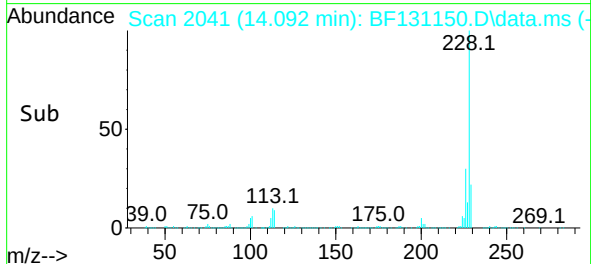
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822DL



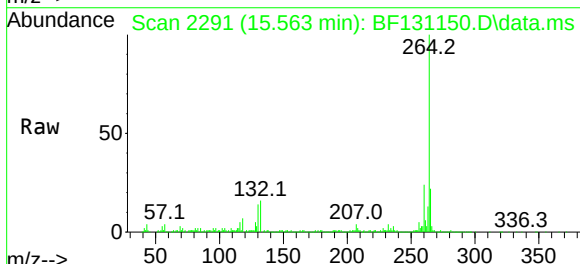
Tgt Ion:228 Resp: 115902
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.9 15.8 23.6

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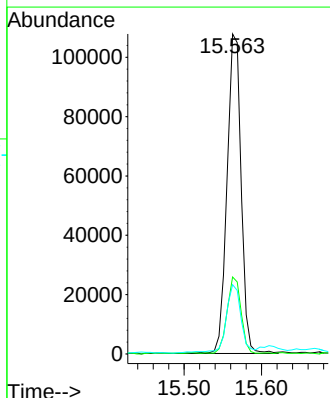
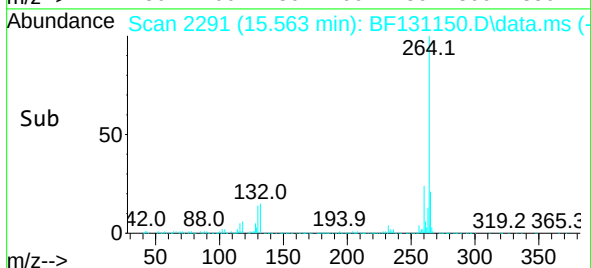
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

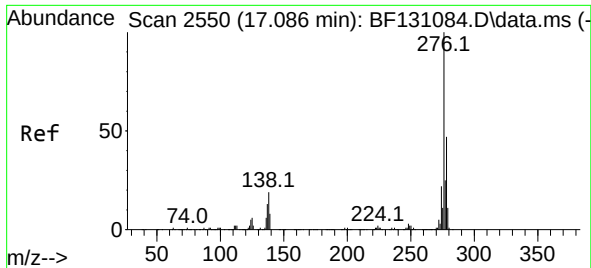


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26



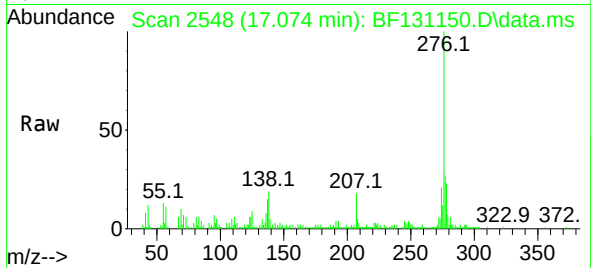
Tgt Ion:264 Resp: 136168
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 21.6 16.7 25.1





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.092 ng
 RT: 17.074 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF131150.D
 Acq: 11 Nov 2022 12:26

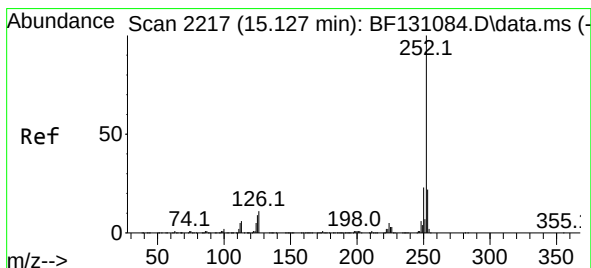
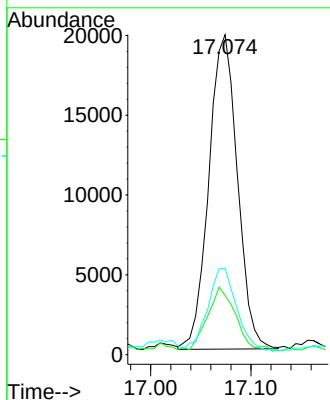
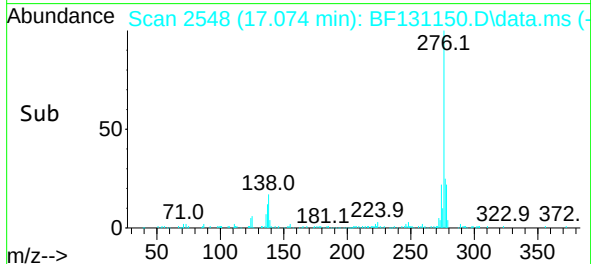
Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-110822DL



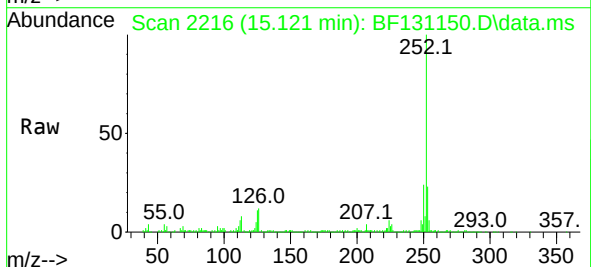
Tgt Ion: 276 Resp: 3910
 Ion Ratio Lower Upper
 276 100
 138 19.8 16.9 25.3
 277 26.6 20.3 30.5

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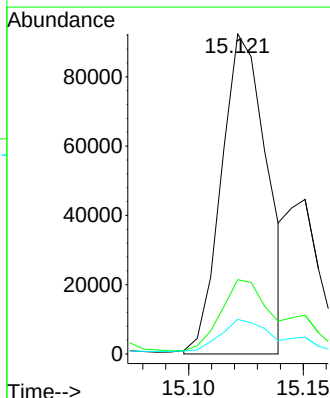
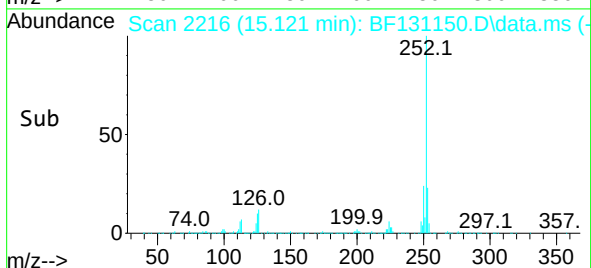
Reviewed By : Christian Giraldo 11/12/2022
 Supervised By : Jagrut Upadhyay 11/12/2022

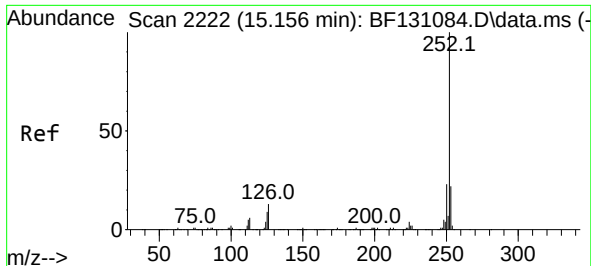


#88
 Benzo(b)fluoranthene
 Concen: 13.234 ng m
 RT: 15.121 min Scan# 2216
 Delta R.T. -0.006 min
 Lab File: BF131150.D
 Acq: 11 Nov 2022 12:26



Tgt Ion: 252 Resp: 127404
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.3 25.9
 125 10.8 7.2 10.8





#89

Benzo(k)fluoranthene

Concen: 4.743 ng m

RT: 15.151 min Scan# 21

Delta R.T. -0.005 min

Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

Instrument :

BNA_F

ClientSampleId :

PAT-03-110822DL

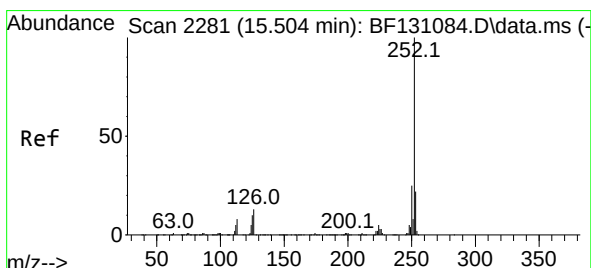
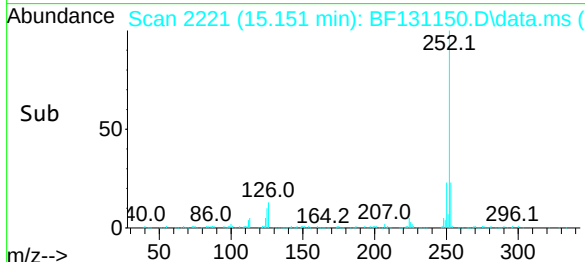
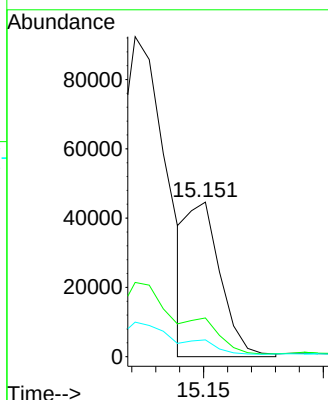
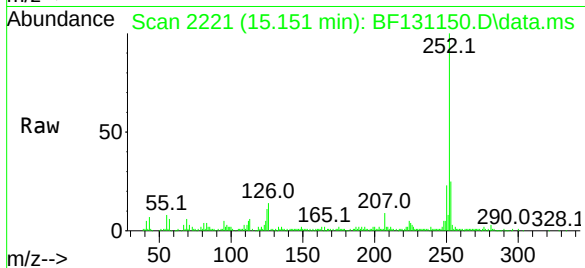
Tgt Ion:252 Resp: 43890

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.6	26.4
125	10.9	7.5	11.3

Manual Integrations

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Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#90

Benzo(a)pyrene

Concen: 12.626 ng

RT: 15.498 min Scan# 2280

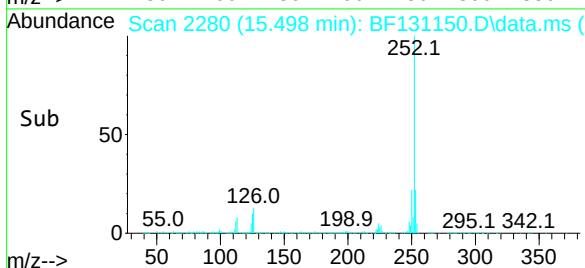
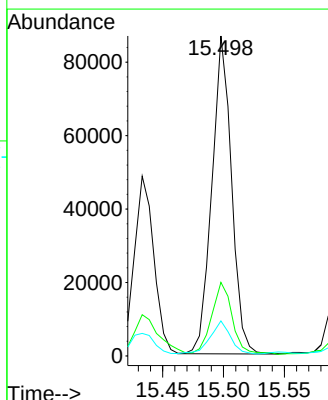
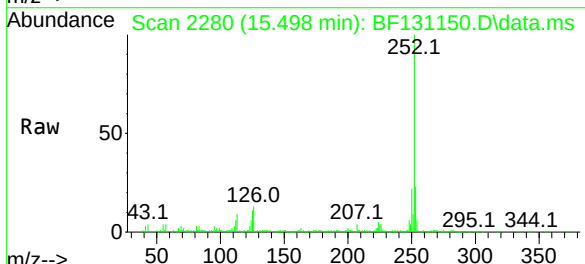
Delta R.T. -0.006 min

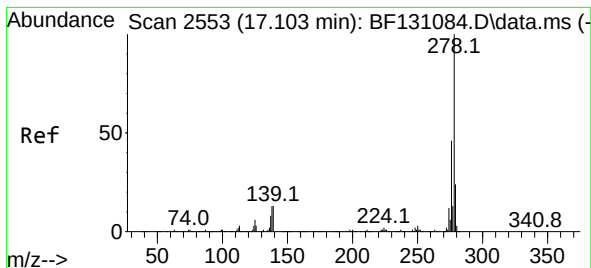
Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

Tgt Ion:252 Resp: 97449

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	10.9	8.1	12.1





#91

Dibenzo(a,h)anthracene

Concen: 5.000 ng m

RT: 17.080 min Scan# 2549

Delta R.T. -0.023 min

Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

Instrument :

BNA_F

ClientSampleId :

PAT-03-110822DL

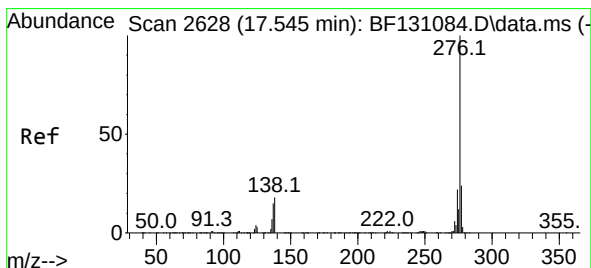
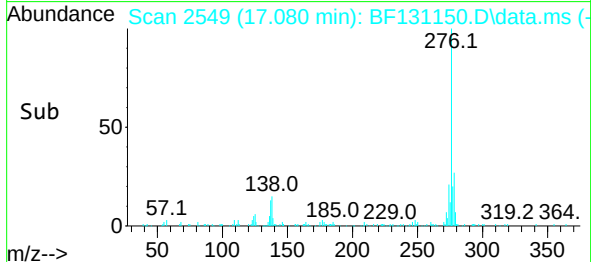
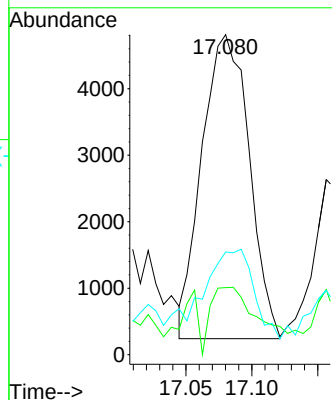
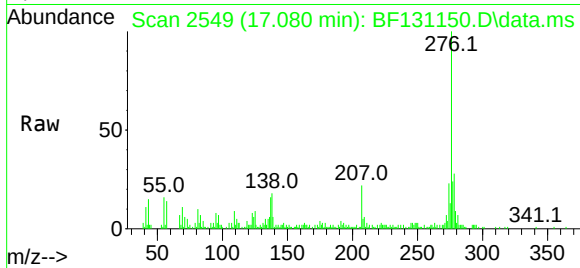
Tgt Ion:	278	Resp:	1139
Ion Ratio	Lower	Upper	
278	100		
139	21.0	10.8	16.2
279	32.1	19.2	28.8

Manual Integrations

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Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#92

Benzo(g,h,i)perylene

Concen: 7.988 ng

RT: 17.527 min Scan# 2625

Delta R.T. -0.018 min

Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

Tgt Ion:	276	Resp:	38155
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.0	28.4
138	18.7	14.6	21.8

