

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131151.D
 Acq On : 11 Nov 2022 12:57
 Operator : CG\JU
 Sample : N5518-01DL 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-02-110822DL

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 14:42:08 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	67685	20.000	ng	-0.01
21) Naphthalene-d8	8.169	136	243749	20.000	ng	-0.01
39) Acenaphthene-d10	9.927	164	113043	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	157980	20.000	ng	# 0.00
76) Chrysene-d12	14.068	240	156568	20.000	ng	#-0.01
86) Perylene-d12	15.568	264	127679	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	21566	5.419	ng	-0.01
7) Phenol-d6	6.504	99	24851	4.776	ng	-0.02
23) Nitrobenzene-d5	7.445	82	15601	2.888	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	3727	3.190	ng	-0.02
45) 2-Fluorobiphenyl	9.239	172	27988	3.456	ng	-0.02
79) Terphenyl-d14	13.004	244	28504	3.192	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.957	154	30862	4.774	ng	98
55) Dibenzofuran	10.133	168	32936	3.440	ng	98
58) Fluorene	10.474	166	50892	6.545	ng	99
71) Phenanthrene	11.445	178	286812	33.010	ng	99
72) Anthracene	11.492	178	86556	10.264	ng	99
73) Carbazole	11.651	167	32933	4.392	ng	97
75) Fluoranthene	12.639	202	388056	44.618	ng	99
78) Pyrene	12.868	202	414471	30.855	ng	100
81) Benzo(a)anthracene	14.057	228	207937	18.581	ng	98
83) Chrysene	14.092	228	189196	17.901	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	55446	8.745	ng	96
88) Benzo(b)fluoranthene	15.127	252	227412m	25.192	ng	
89) Benzo(k)fluoranthene	15.151	252	59422m	6.849	ng	
90) Benzo(a)pyrene	15.498	252	150348	20.775	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	14854m	5.453	ng	
92) Benzo(g,h,i)perylene	17.533	276	49898	9.417	ng	97

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

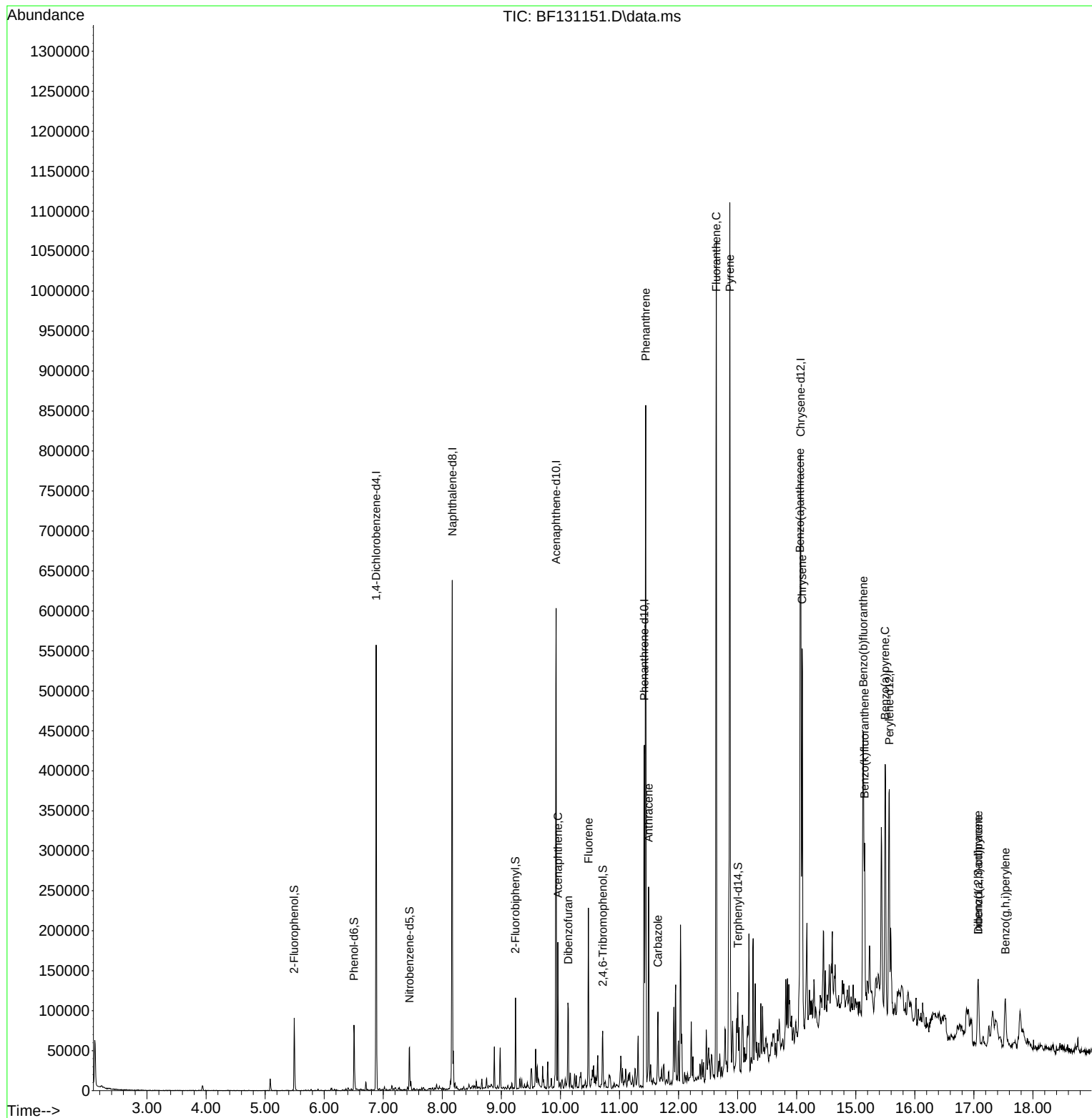
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
Data File : BF131151.D
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Operator : CG\JU
Sample : N5518-01DL 20X
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ALS Vial : 6 Sample Multiplier: 1

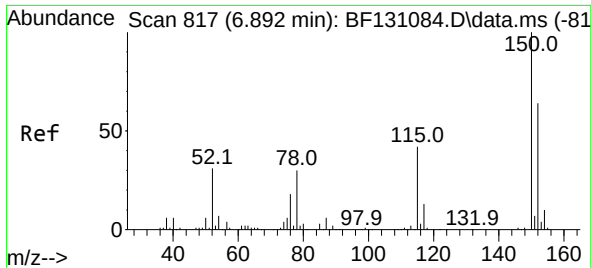
Instrument :
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Quant Time: Nov 11 14:42:08 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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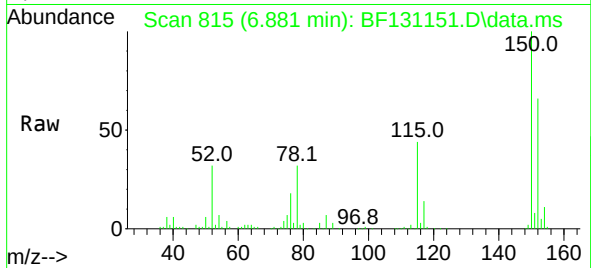
Reviewed By : Christian Giraldo 11/12/2022
Supervised By : Jagrut Upadhyay 11/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.011 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

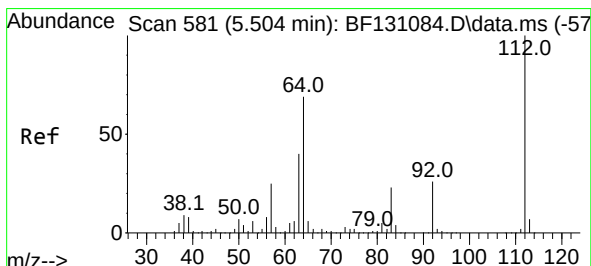
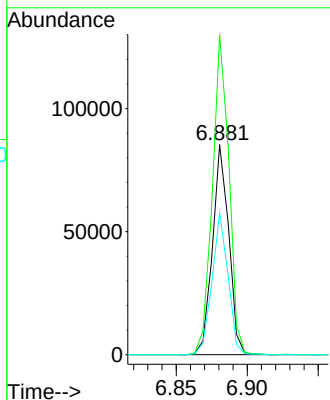
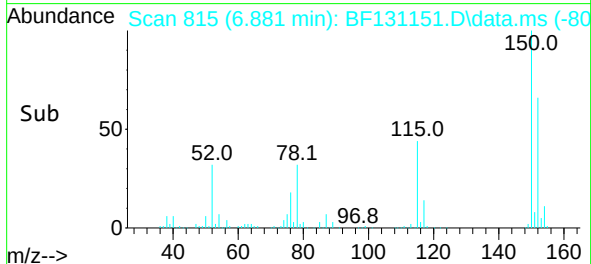
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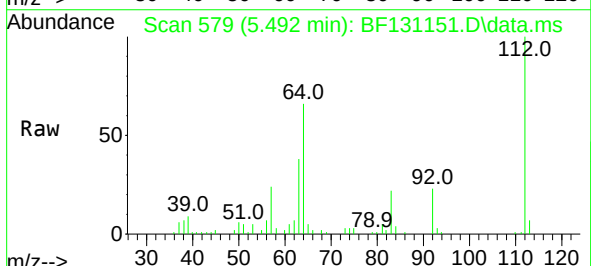
Tgt Ion:152 Resp: 6768
Ion Ratio Lower Upper
152 100
150 152.4 125.5 188.3
115 67.4 52.2 78.2

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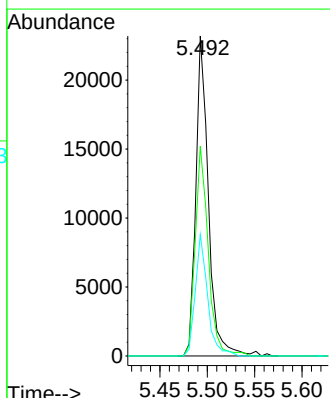
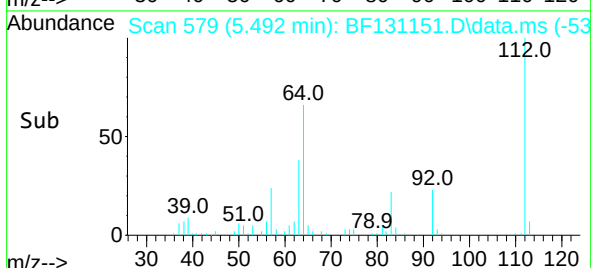
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

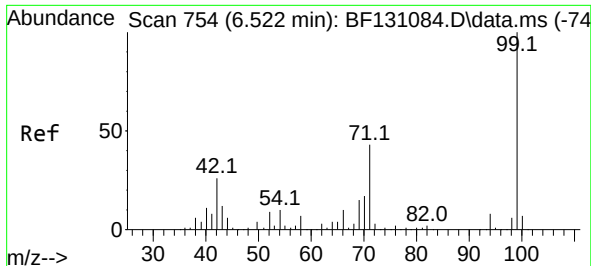


#5
2-Fluorophenol
Concen: 5.419 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57



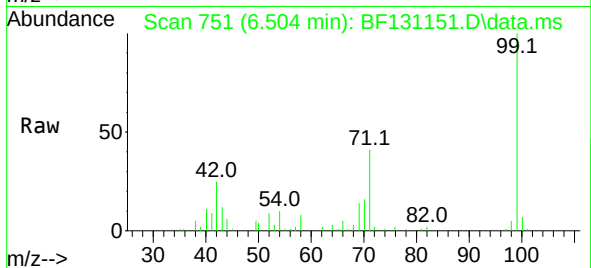
Tgt Ion:112 Resp: 21566
Ion Ratio Lower Upper
112 100
64 65.5 55.1 82.7
63 37.9 32.4 48.6





#7
Phenol-d6
Concen: 4.776 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

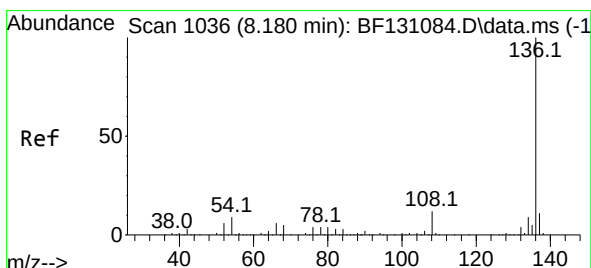
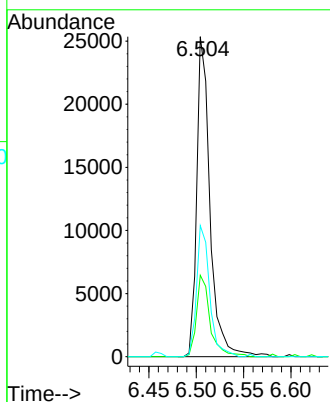
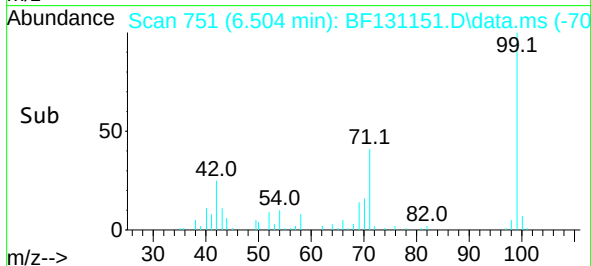
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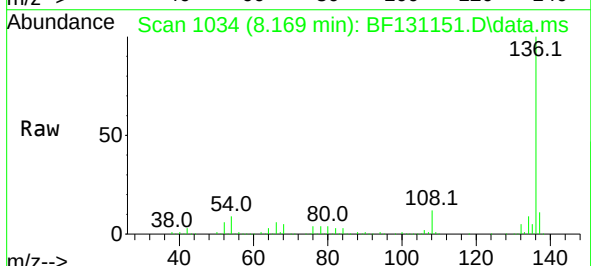
Tgt Ion: 99 Resp: 2485
Ion Ratio Lower Upper
99 100
42 25.5 20.8 31.2
71 40.9 34.2 51.4

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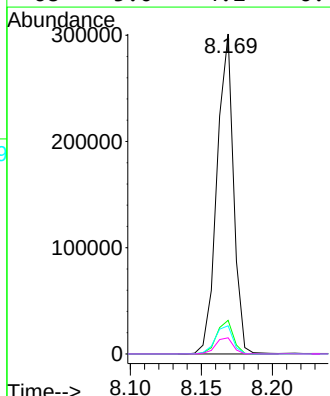
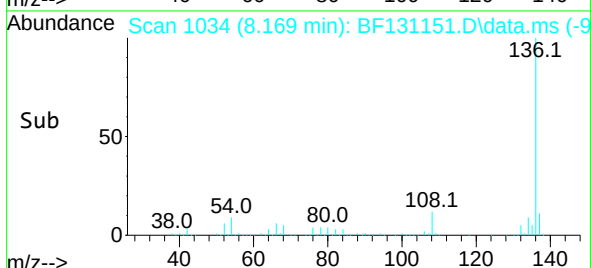
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

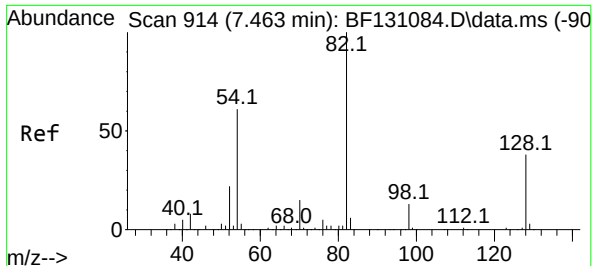


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.011 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57



Tgt Ion:136 Resp: 243749
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 8.8 7.2 10.8
68 5.0 4.2 6.4





#23

Nitrobenzene-d5

Concen: 2.888 ng

RT: 7.445 min Scan# 914

Delta R.T. -0.018 min

Lab File: BF131151.D

Acq: 11 Nov 2022 12:57

Instrument :

BNA_F

ClientSampleId :

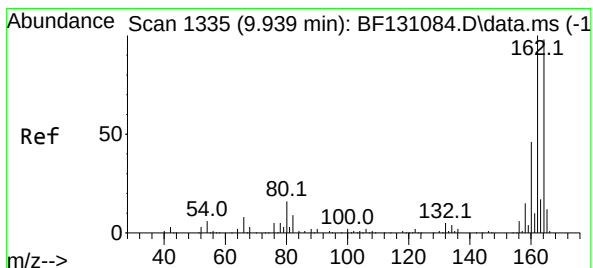
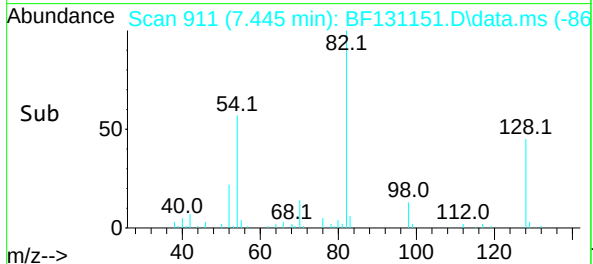
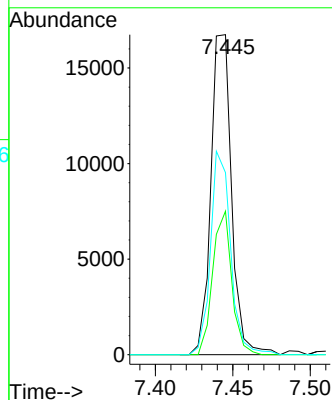
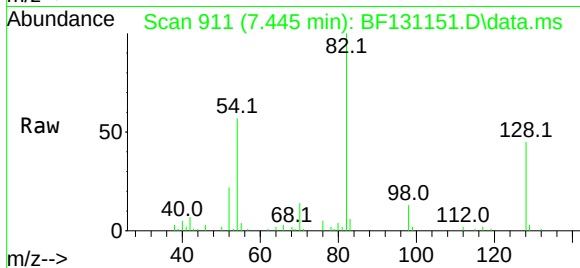
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Tgt Ion: 82	Resp: 1560
Ion Ratio	Lower Upper
82	100
128	44.9 30.5 45.7
54	56.9 49.1 73.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

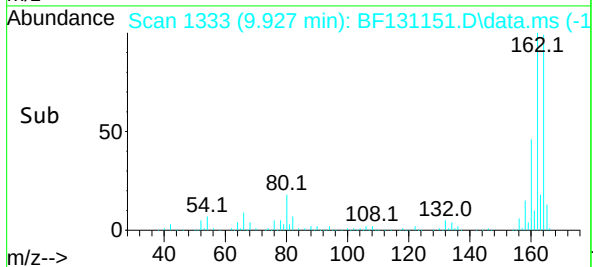
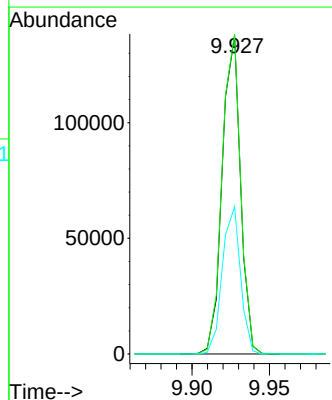
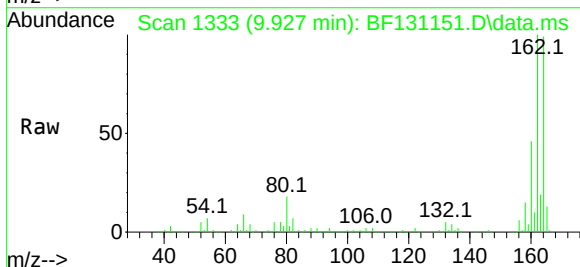
RT: 9.927 min Scan# 1333

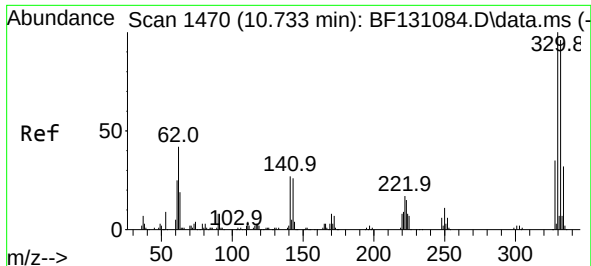
Delta R.T. -0.012 min

Lab File: BF131151.D

Acq: 11 Nov 2022 12:57

Tgt Ion:164	Resp: 113043
Ion Ratio	Lower Upper
164	100
162	100.5 81.7 122.5
160	46.3 37.4 56.2





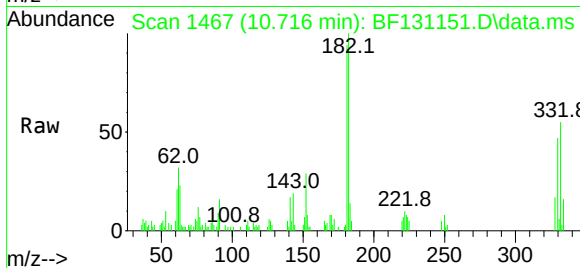
#42
2,4,6-Tribromophenol
Concen: 3.190 ng
RT: 10.716 min Scan# 1470
Delta R.T. -0.018 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

Instrument :

BNA_F

ClientSampleId :

PAT-02-110822DL

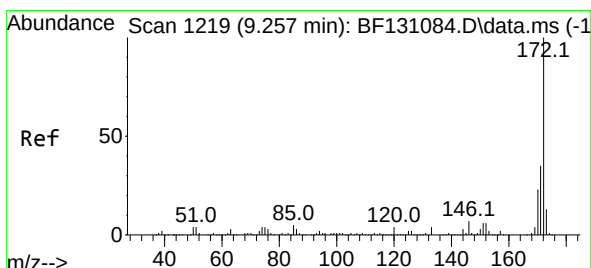
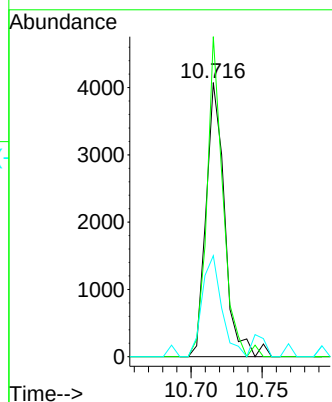
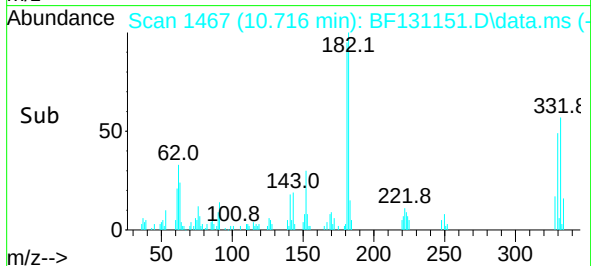


Tgt Ion: 330 Resp: 372
Ion Ratio Lower Upper
330 100
332 100.7 77.0 115.4
141 38.6 28.5 42.7

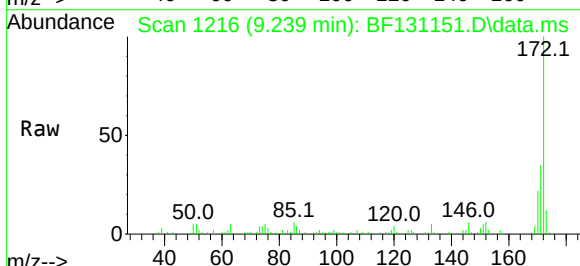
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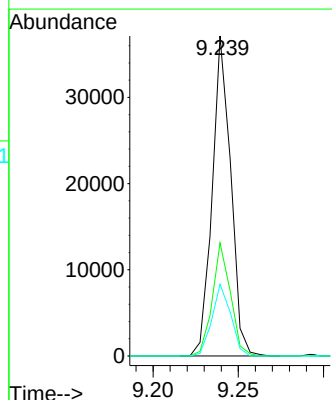
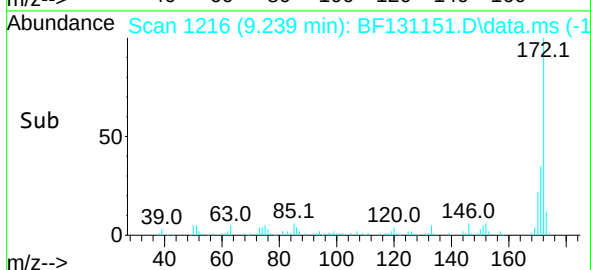
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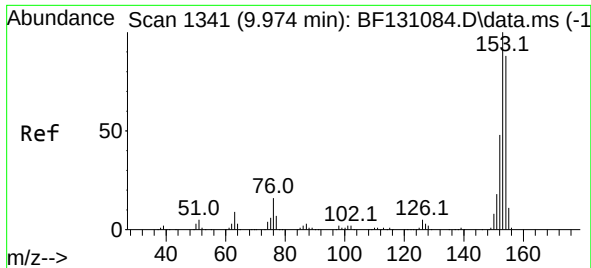


#45
2-Fluorobiphenyl
Concen: 3.456 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.018 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57



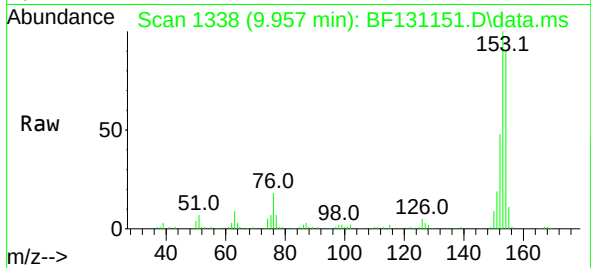
Tgt Ion: 172 Resp: 27988
Ion Ratio Lower Upper
172 100
171 35.4 27.7 41.5
170 22.4 18.8 28.2





#52
Acenaphthene
Concen: 4.774 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

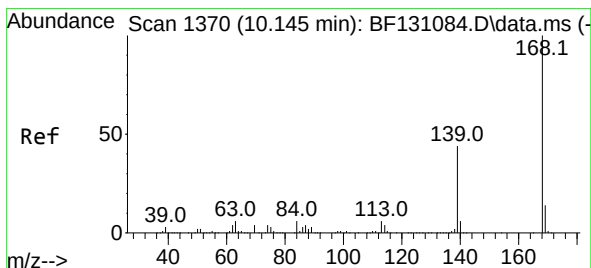
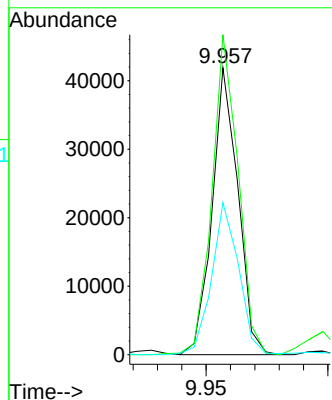
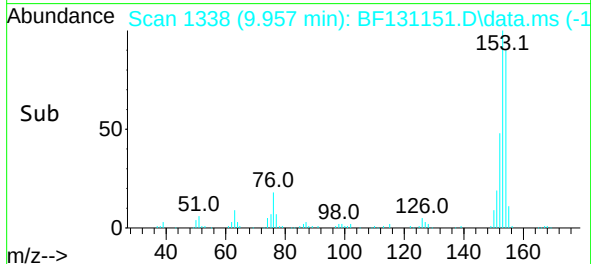
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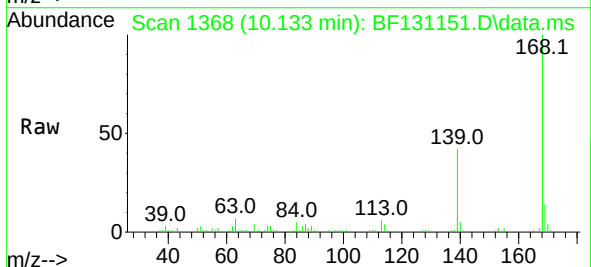
Tgt Ion:154 Resp: 3086
Ion Ratio Lower Upper
154 100
153 111.5 90.8 136.2
152 53.0 43.4 65.2

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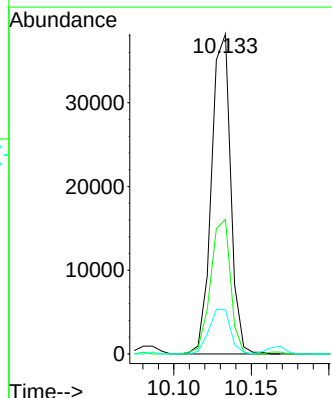
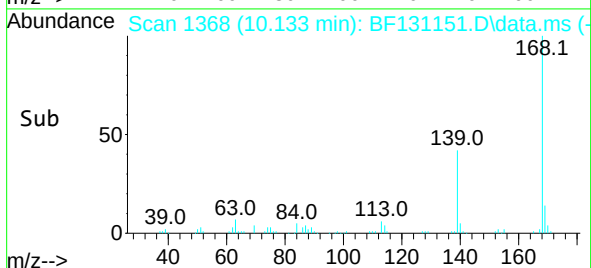
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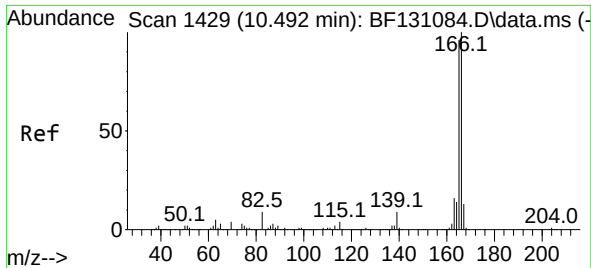


#55
Dibenzofuran
Concen: 3.440 ng
RT: 10.133 min Scan# 1368
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57



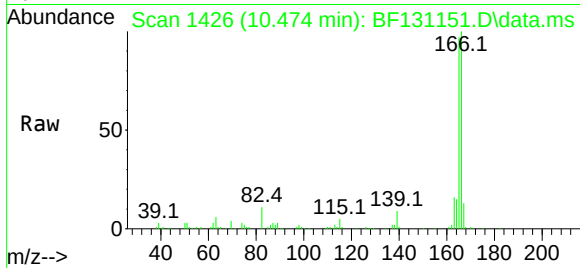
Tgt Ion:168 Resp: 32936
Ion Ratio Lower Upper
168 100
139 42.1 35.0 52.4
169 13.8 11.2 16.8





#58
Fluorene
Concen: 6.545 ng
RT: 10.474 min Scan# 1429
Delta R.T. -0.018 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

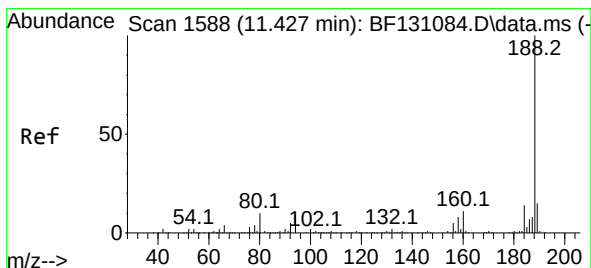
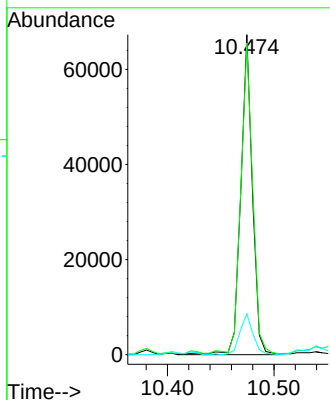
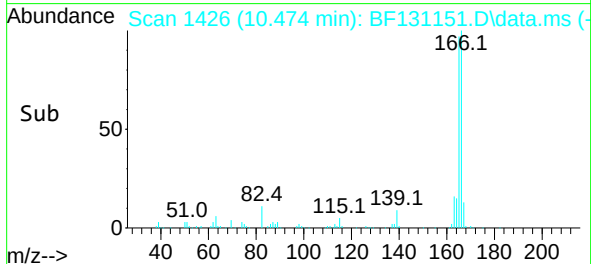
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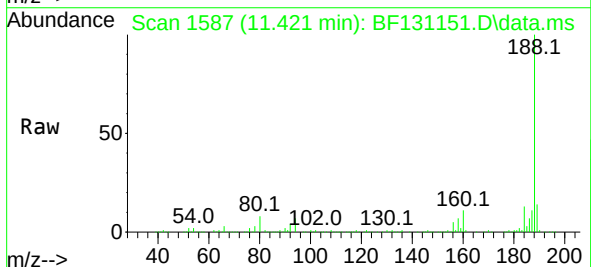
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Ion Ratio Lower Upper
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165 97.4 77.2 115.8
167 12.8 10.2 15.4

Manual Integrations
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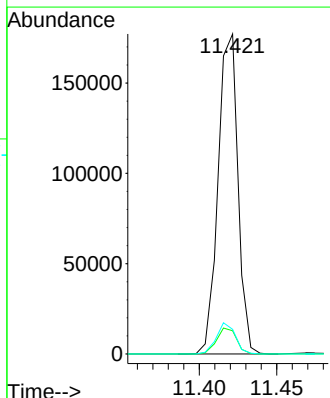
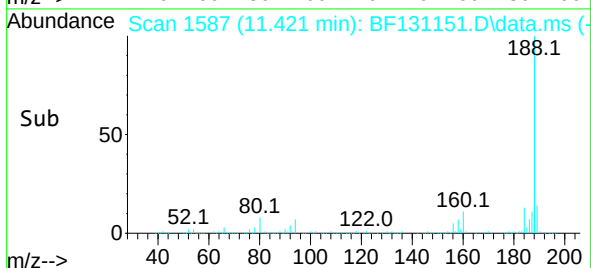
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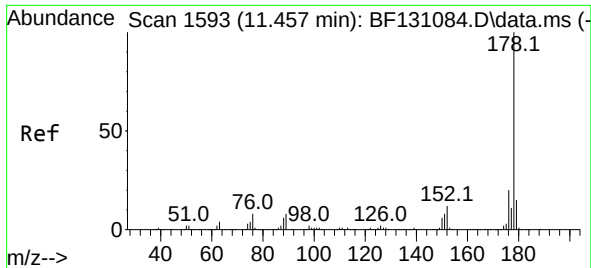


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57



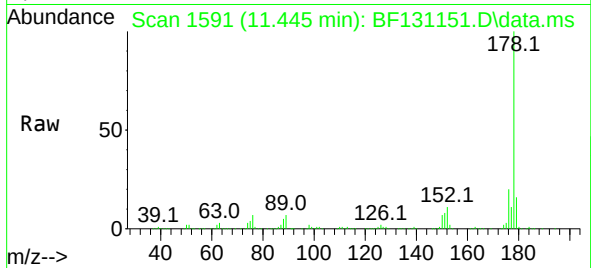
Tgt Ion:188 Resp: 157980
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.6
80 7.7 7.9 11.9#





#71
Phenanthrene
Concen: 33.010 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

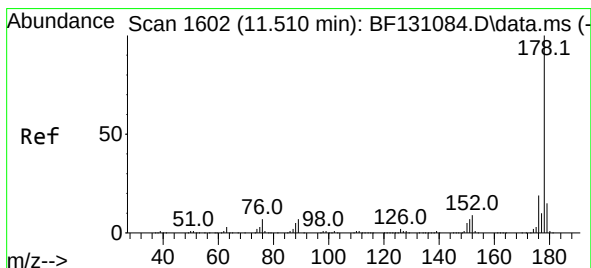
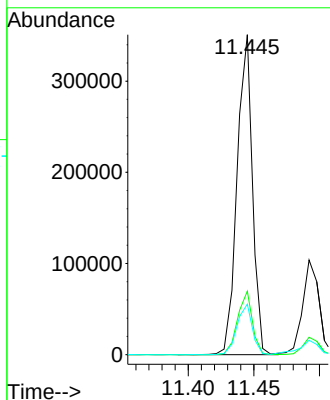
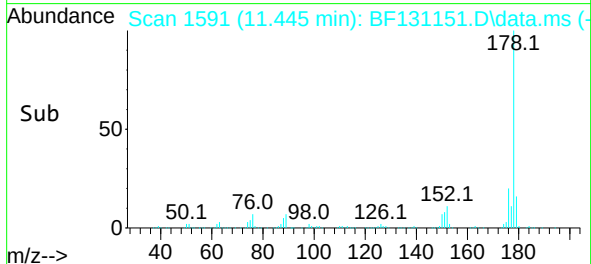
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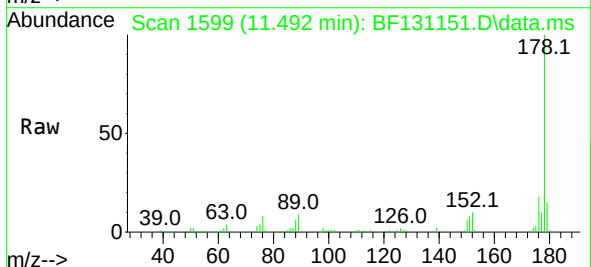
Tgt Ion:178 Resp: 28681
Ion Ratio Lower Upper
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176 19.9 15.8 23.8
179 15.8 12.2 18.2

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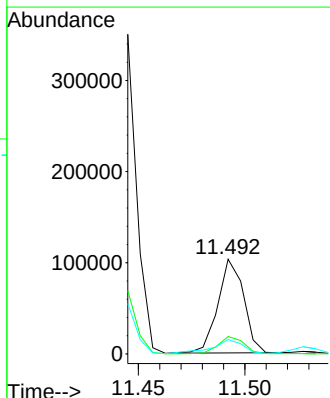
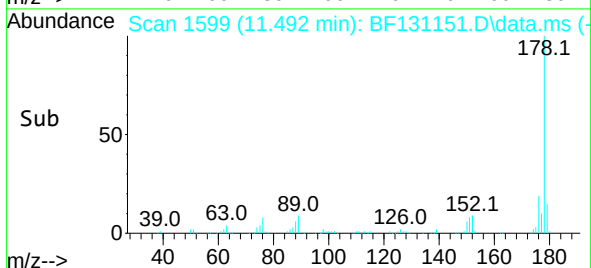
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

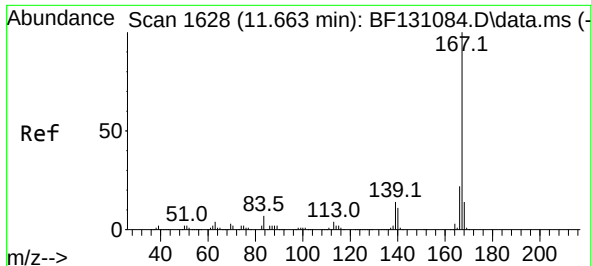


#72
Anthracene
Concen: 10.264 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.018 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57



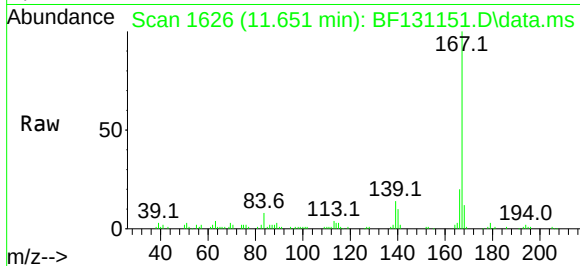
Tgt Ion:178 Resp: 86556
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.3 11.8 17.8





#73
 Carbazole
 Concen: 4.392 ng
 RT: 11.651 min Scan# 1626
 Delta R.T. -0.012 min
 Lab File: BF131151.D
 Acq: 11 Nov 2022 12:57

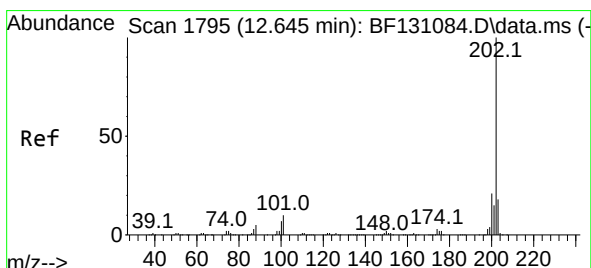
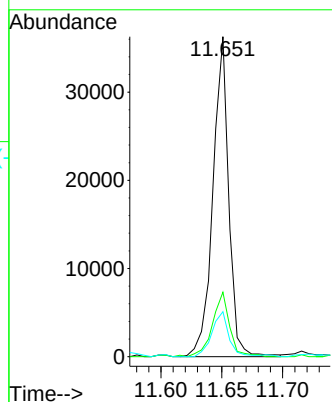
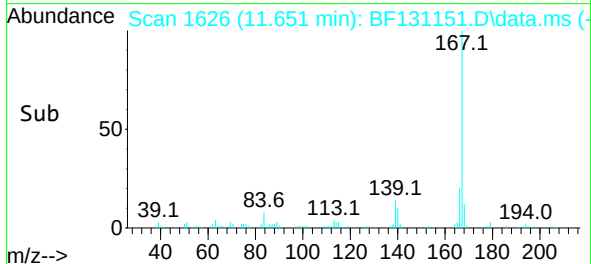
Instrument :
 BNA_F
 ClientSampleId :
 PAT-02-110822DL



Tgt Ion:167 Resp: 3293
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.6 26.4
 139 14.1 10.8 16.2

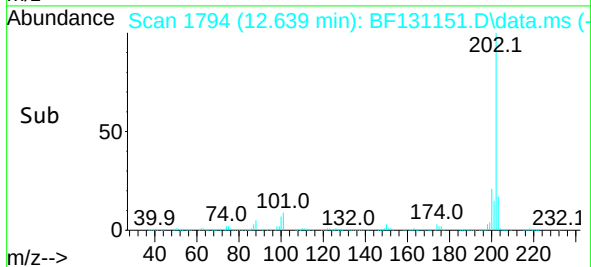
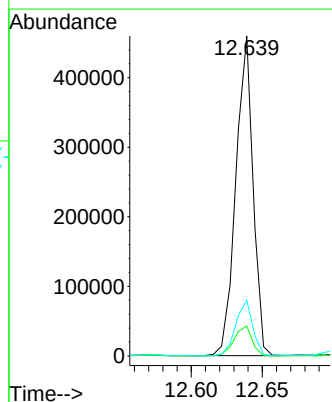
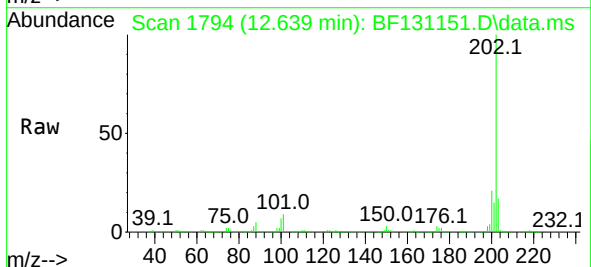
Manual Integrations
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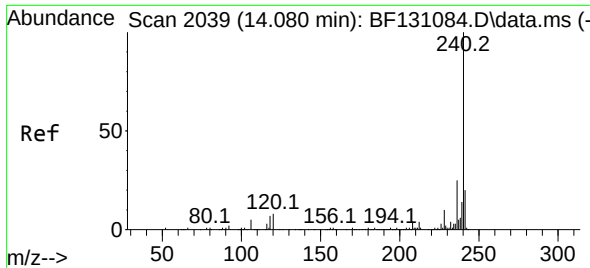
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022



#75
 Fluoranthene
 Concen: 44.618 ng
 RT: 12.639 min Scan# 1794
 Delta R.T. -0.006 min
 Lab File: BF131151.D
 Acq: 11 Nov 2022 12:57

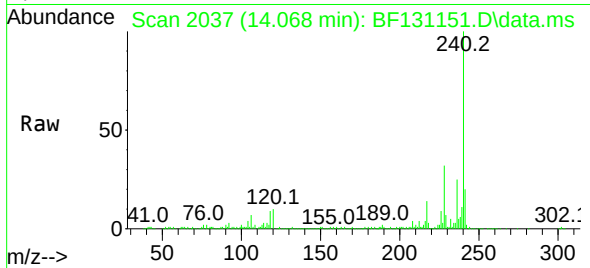
Tgt Ion:202 Resp: 388056
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 30.0
 203 17.4 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

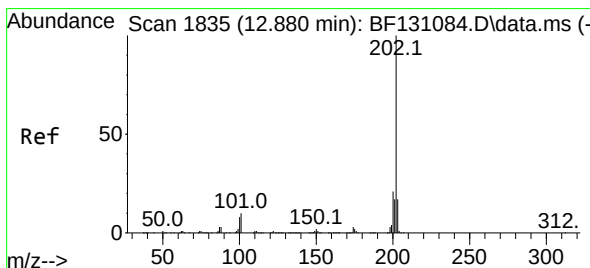
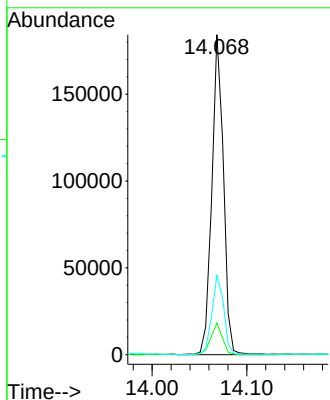
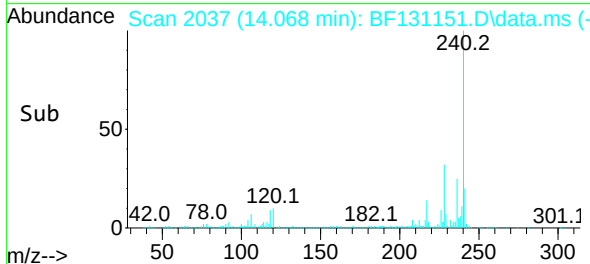
Instrument :
BNA_F
ClientSampleId :
PAT-02-110822DL



Tgt Ion:240 Resp: 156568
Ion Ratio Lower Upper
240 100
120 9.9 6.5 9.7
236 24.7 19.7 29.5

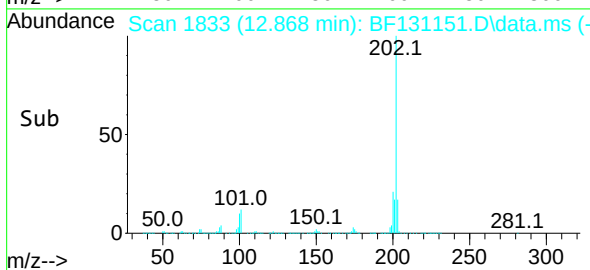
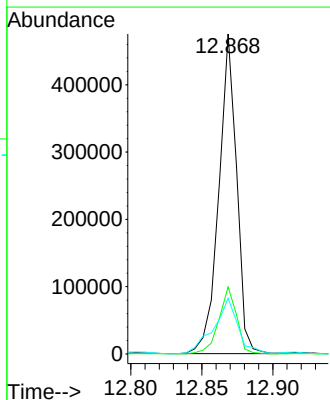
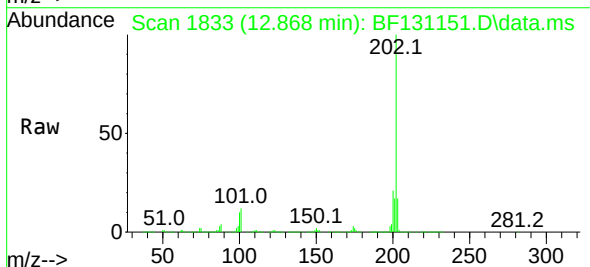
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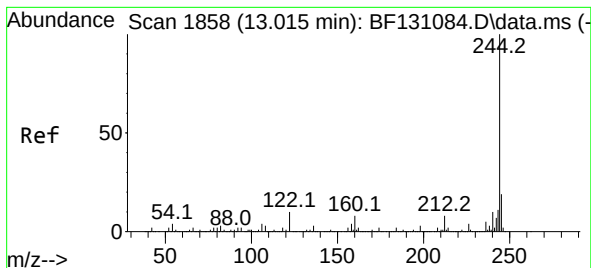
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#78
Pyrene
Concen: 30.855 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

Tgt Ion:202 Resp: 414471
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.4 13.6 20.4





#79

Terphenyl-d14

Concen: 3.192 ng

RT: 13.004 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF131151.D

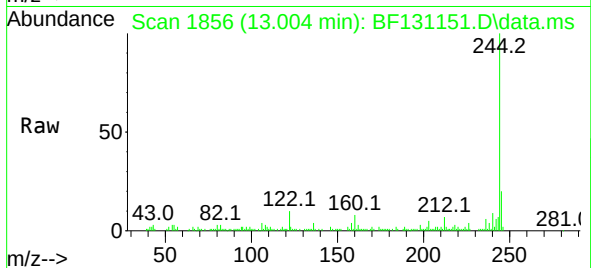
Acq: 11 Nov 2022 12:57

Instrument :

BNA_F

ClientSampleId :

PAT-02-110822DL



Tgt Ion:244 Resp: 28504

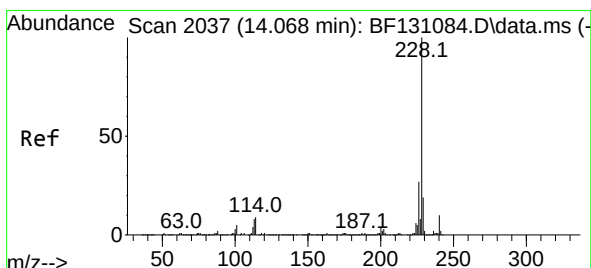
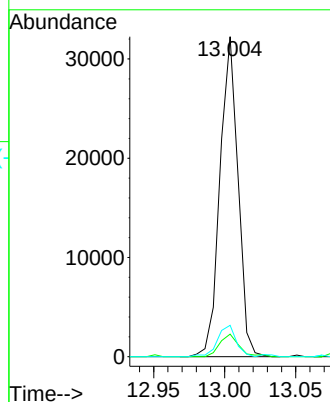
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.2	9.2
122	9.8	7.8	11.8

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: 18.581 ng

RT: 14.057 min Scan# 2035

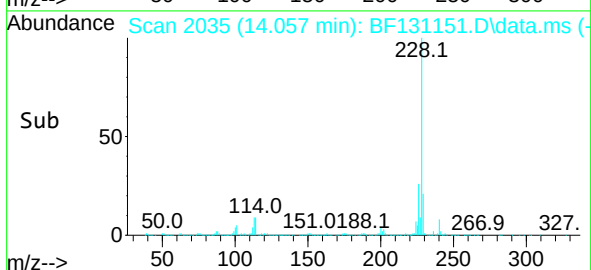
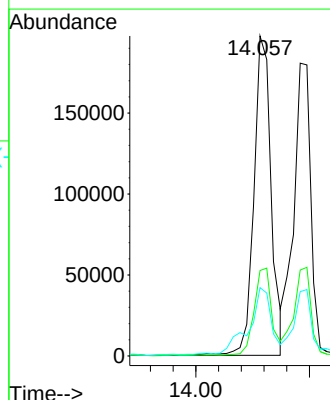
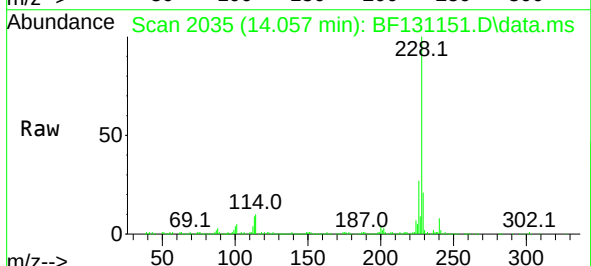
Delta R.T. -0.012 min

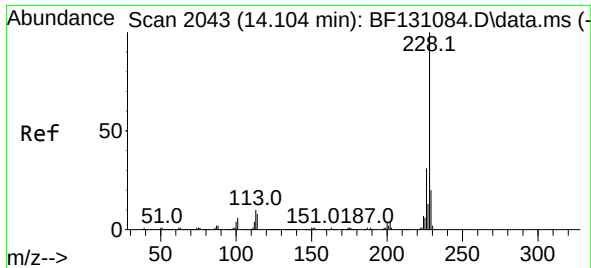
Lab File: BF131151.D

Acq: 11 Nov 2022 12:57

Tgt Ion:228 Resp: 207937

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.6
229	21.4	15.4	23.2





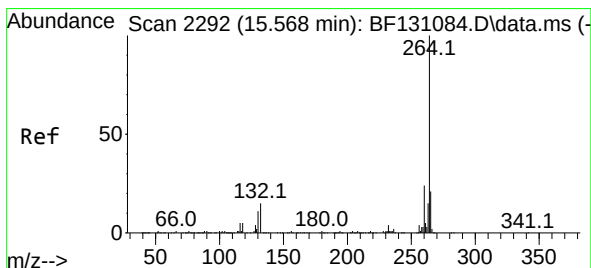
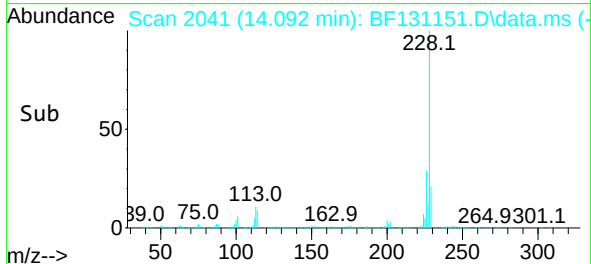
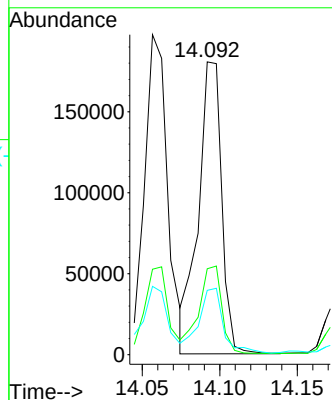
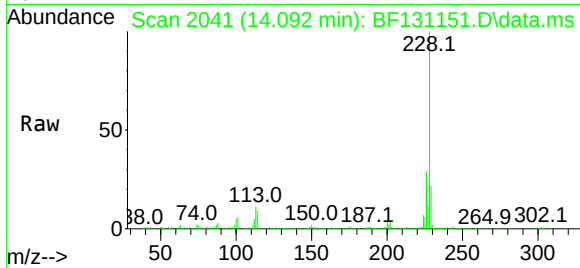
#83
Chrysene
Concen: 17.901 ng
RT: 14.092 min Scan# 2043
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822DL

Tgt Ion:228 Resp: 189190
Ion Ratio Lower Upper
228 100
226 29.4 24.4 36.6
229 21.9 15.8 23.6

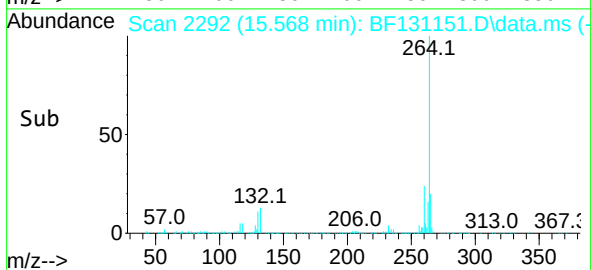
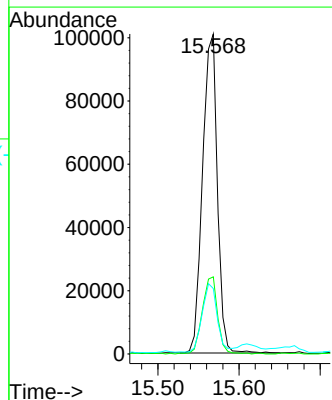
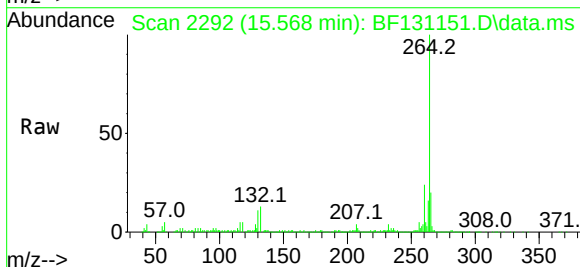
Manual Integrations
APPROVED

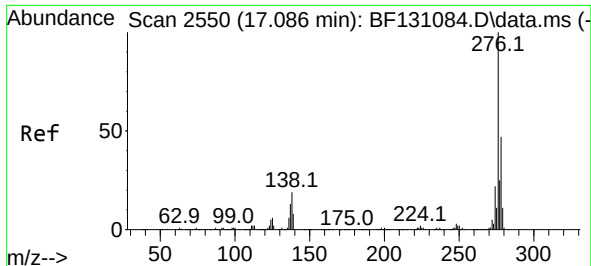
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

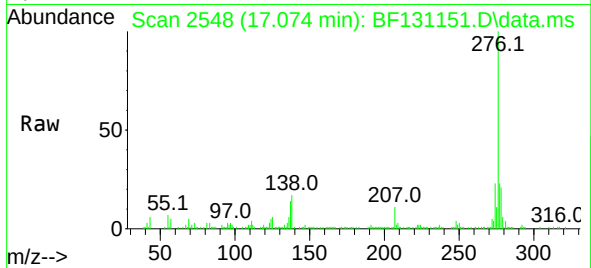
Tgt Ion:264 Resp: 127679
Ion Ratio Lower Upper
264 100
260 24.1 19.1 28.7
265 20.5 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.745 ng
RT: 17.074 min Scan# 2548
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

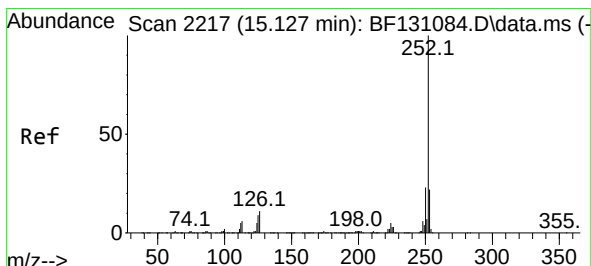
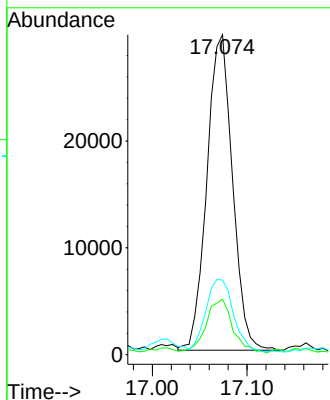
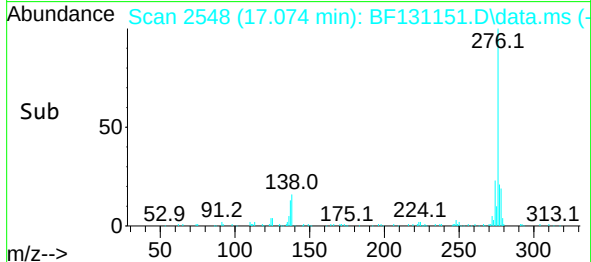
Instrument :
BNA_F
ClientSampleId :
PAT-02-110822DL



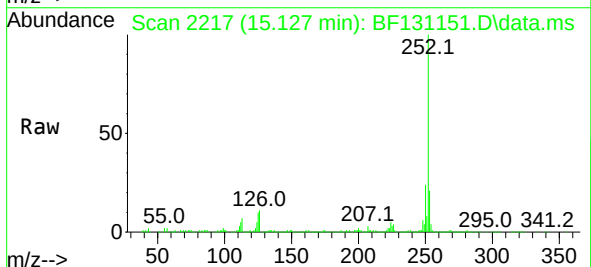
Tgt Ion:276 Resp: 55440
Ion Ratio Lower Upper
276 100
138 18.0 16.9 25.3
277 24.6 20.3 30.5

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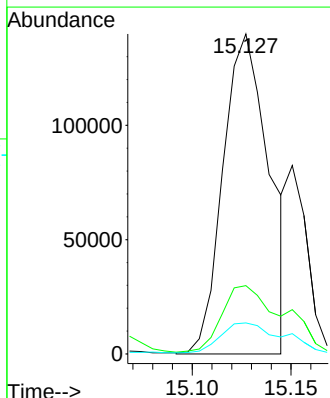
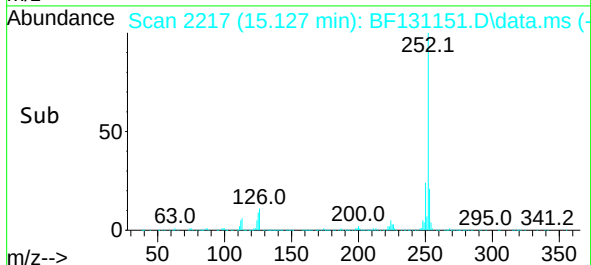
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

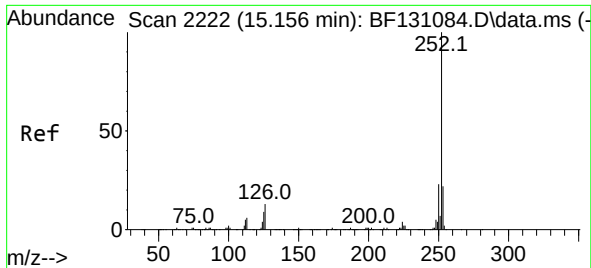


#88
Benzo(b)fluoranthene
Concen: 25.192 ng m
RT: 15.127 min Scan# 2217
Delta R.T. 0.000 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57



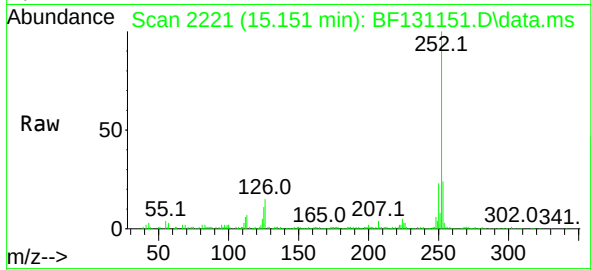
Tgt Ion:252 Resp: 227412
Ion Ratio Lower Upper
252 100
253 21.4 17.3 25.9
125 9.7 7.2 10.8





#89
Benzo(k)fluoranthene
Concen: 6.849 ng m
RT: 15.151 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

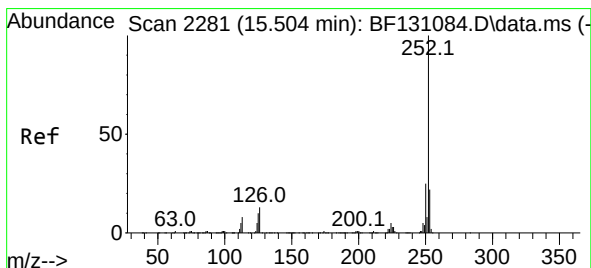
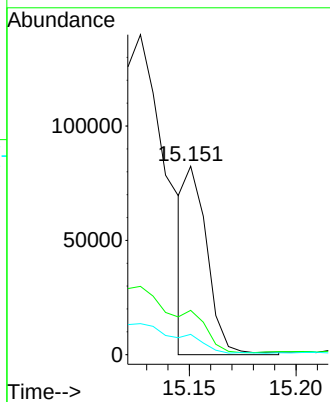
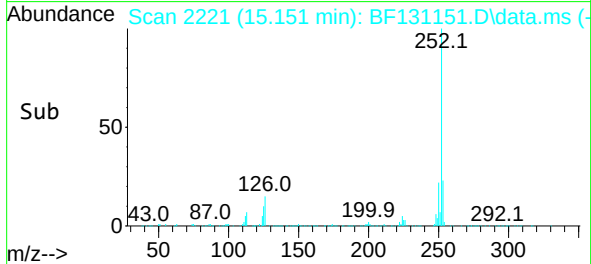
Instrument :
BNA_F
ClientSampleId :
PAT-02-110822DL



Tgt Ion:252 Resp: 5942
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 10.8 7.5 11.3

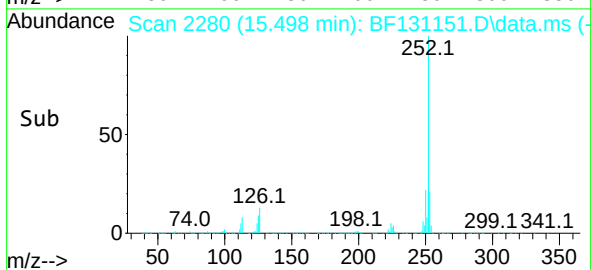
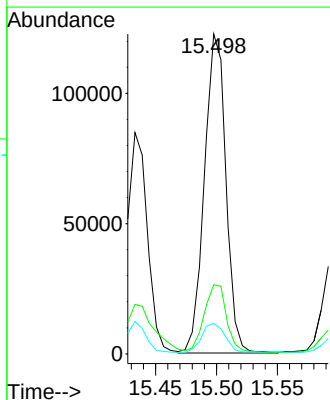
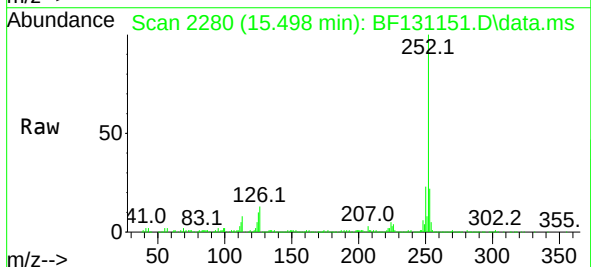
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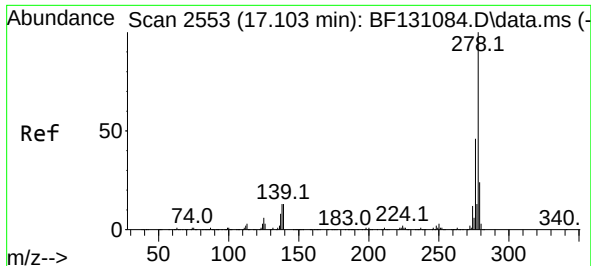
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#90
Benzo(a)pyrene
Concen: 20.775 ng
RT: 15.498 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

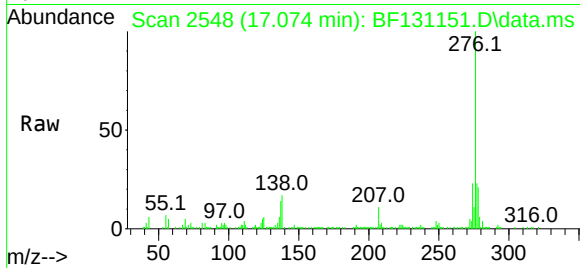
Tgt Ion:252 Resp: 150348
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 9.5 8.1 12.1





#91
 Dibenzo(a,h)anthracene
 Concen: 5.453 ng m
 RT: 17.074 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF131151.D
 Acq: 11 Nov 2022 12:57

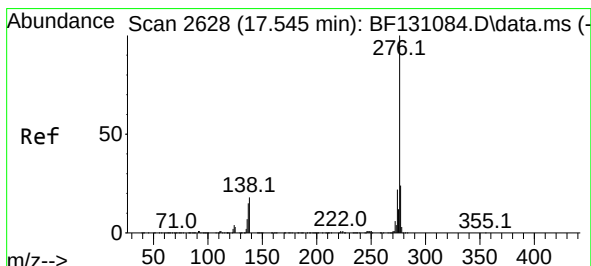
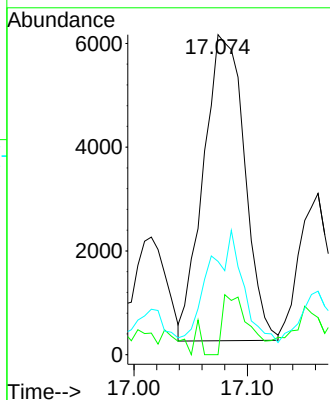
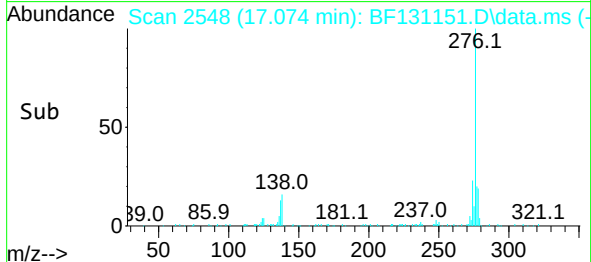
Instrument :
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 ClientSampleId :
 PAT-02-110822DL



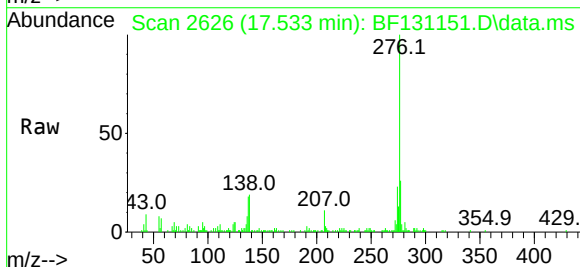
Tgt Ion:278 Resp: 14854
 Ion Ratio Lower Upper
 278 100
 139 0.0 10.8 16.2
 279 29.1 19.2 28.8

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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: 9.417 ng
 RT: 17.533 min Scan# 2626
 Delta R.T. -0.012 min
 Lab File: BF131151.D
 Acq: 11 Nov 2022 12:57



Tgt Ion:276 Resp: 49898
 Ion Ratio Lower Upper
 276 100
 277 25.7 19.0 28.4
 138 18.7 14.6 21.8

