

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092922\
 Data File : BF130477.D
 Acq On : 29 Sep 2022 20:58
 Operator : CG\JU
 Sample : N4862-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-203

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/30/2022
 Supervised By : Jagrut Upadhyay 09/30/2022

Quant Time: Sep 30 03:10:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.639	152	89804	20.000	ng	0.00
21) Naphthalene-d8	7.922	136	301758	20.000	ng	0.00
39) Acenaphthene-d10	9.674	164	129230	20.000	ng	0.00
64) Phenanthrene-d10	11.174	188	186279	20.000	ng	# 0.02
76) Chrysene-d12	13.798	240	197087	20.000	ng	0.00
86) Perylene-d12	15.174	264	223255	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.245	112	525357	101.467	ng	0.00
7) Phenol-d6	6.281	99	629761	97.209	ng	-0.01
23) Nitrobenzene-d5	7.204	82	358884	60.760	ng	-0.01
42) 2,4,6-Tribromophenol	10.469	330	128575	103.834	ng	0.00
45) 2-Fluorobiphenyl	8.998	172	602376	67.877	ng	-0.01
79) Terphenyl-d14	12.774	244	627398	52.732	ng	0.03
Target Compounds						Qvalue
31) Naphthalene	7.945	128	761324	48.972	ng	99
37) 2-Methylnaphthalene	8.633	142	340100	34.312	ng	98
38) 1-Methylnaphthalene	8.733	142	366459	38.485	ng	100
52) Acenaphthene	9.704	154	48204	6.267	ng	98
58) Fluorene	10.227	166	180451	20.625	ng	# 98
71) Phenanthrene	11.204	178	1061870	101.532	ng	# 96
72) Anthracene	11.251	178	117498	11.642	ng	# 73
75) Fluoranthene	12.415	202	316068	31.275	ng	90
78) Pyrene	12.633	202	494836m	28.701	ng	
81) Benzo(a)anthracene	13.792	228	204638	15.608	ng	# 85
83) Chrysene	13.821	228	212248	17.049	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.486	276	167602m	10.586	ng	
88) Benzo(b)fluoranthene	14.792	252	275877m	18.932	ng	
89) Benzo(k)fluoranthene	14.809	252	93177m	6.500	ng	
90) Benzo(a)pyrene	15.115	252	250350	21.686	ng	98
91) Dibenzo(a,h)anthracene	16.498	278	47459	3.654	ng	94
92) Benzo(g,h,i)perylene	16.886	276	161614	12.353	ng	98

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

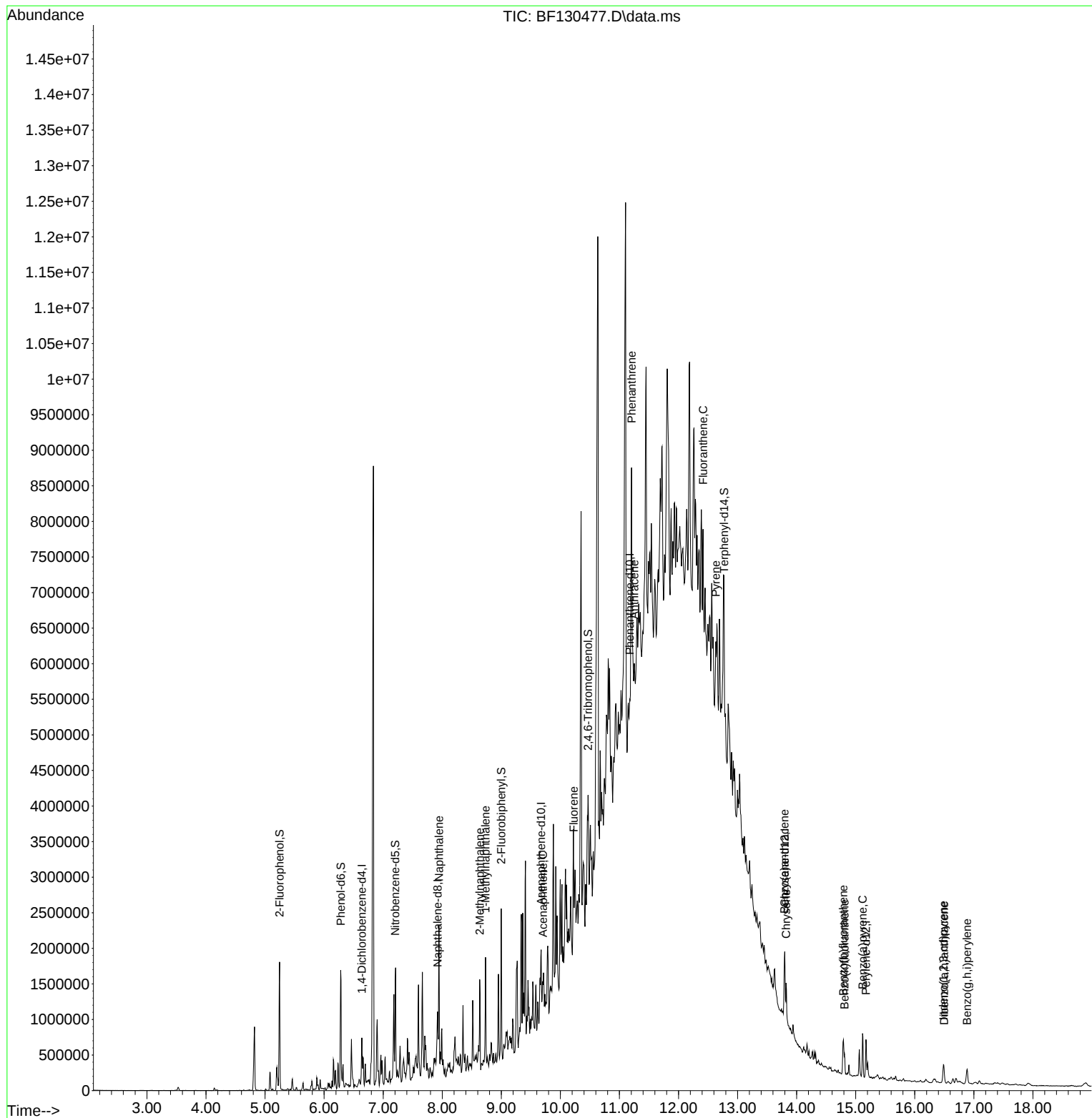
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092922\
Data File : BF130477.D
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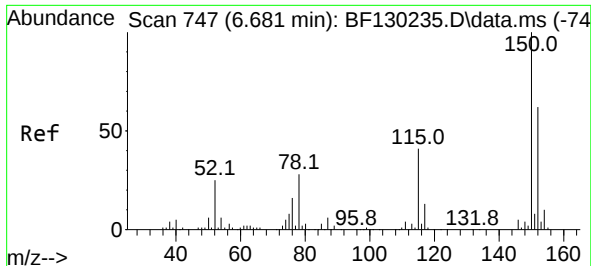
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
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QLast Update : Wed Sep 28 02:59:31 2022
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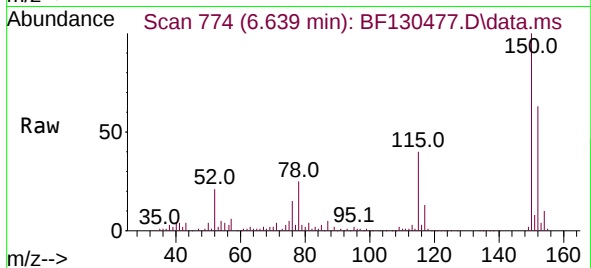
Reviewed By : Christian Giraldo 09/30/2022
Supervised By : Jagrut Upadhyay 09/30/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.639 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

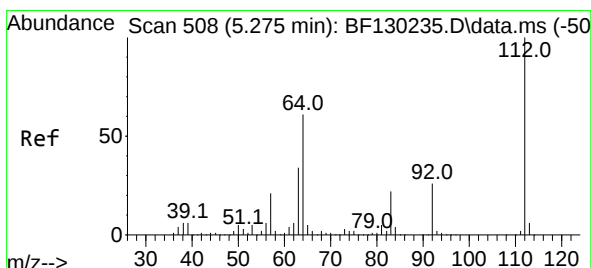
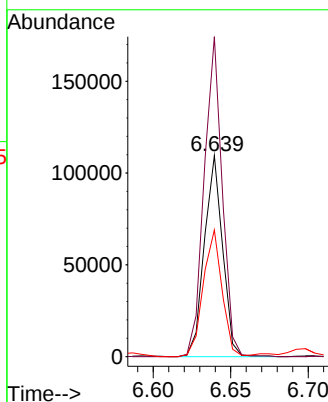
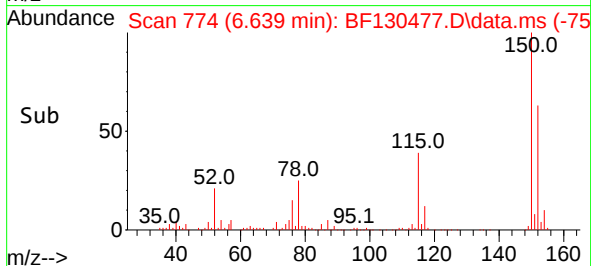
Instrument :
BNA_F
ClientSampleId :
VNJ-203



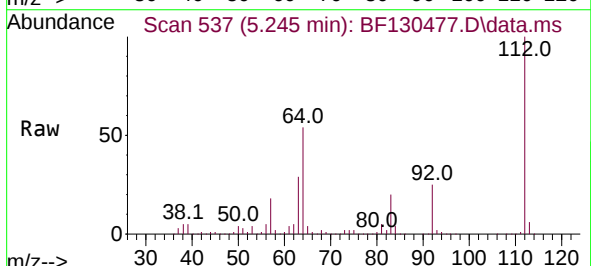
Tgt Ion:152 Resp: 89804
Ion Ratio Lower Upper
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150 159.2 122.8 184.2
115 63.0 53.8 80.8

Manual Integrations
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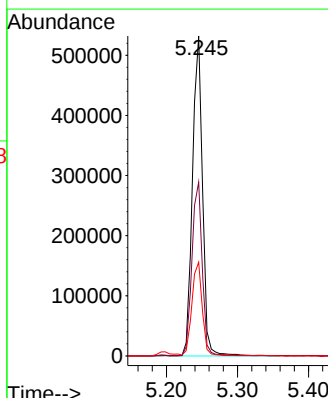
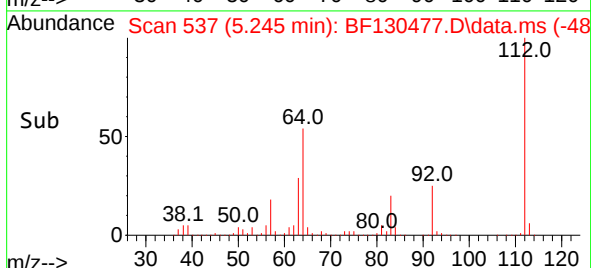
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022

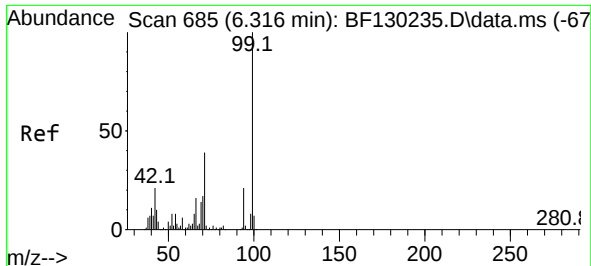


#5
2-Fluorophenol
Concen: 101.467 ng
RT: 5.245 min Scan# 537
Delta R.T. -0.000 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58



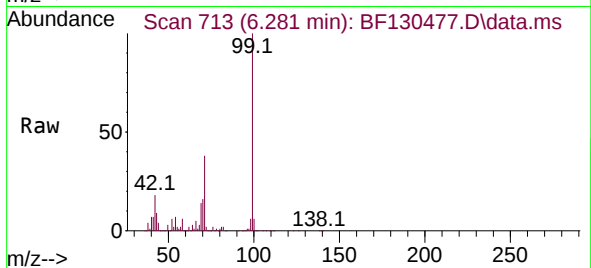
Tgt Ion:112 Resp: 525357
Ion Ratio Lower Upper
112 100
64 54.3 51.4 77.0
63 29.3 28.8 43.2





#7
Phenol-d6
Concen: 97.209 ng
RT: 6.281 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

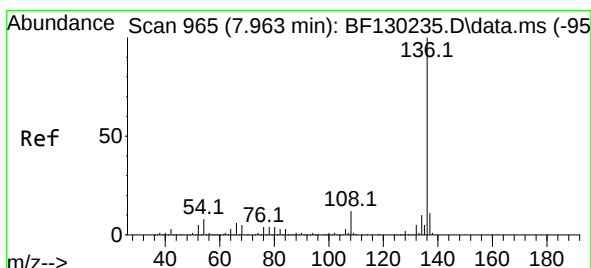
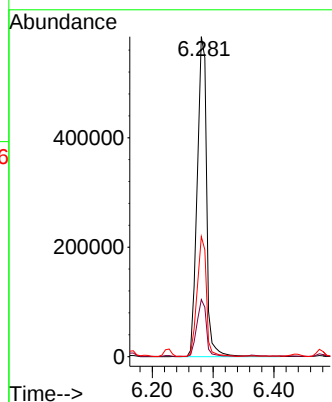
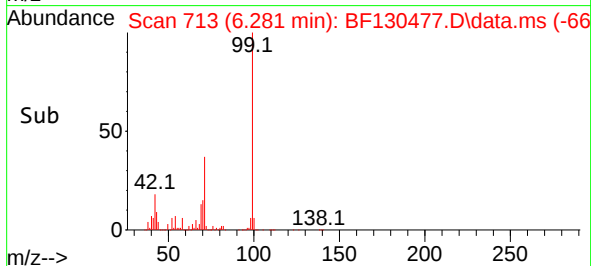
Instrument :
BNA_F
ClientSampleId :
VNJ-203



Tgt Ion: 99 Resp: 629763
Ion Ratio Lower Upper
99 100
42 17.8 17.0 25.6
71 37.5 32.3 48.5

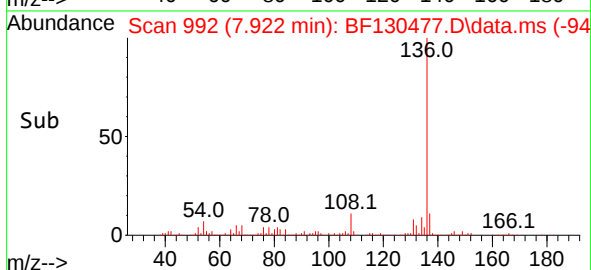
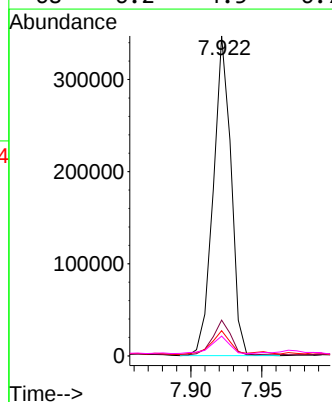
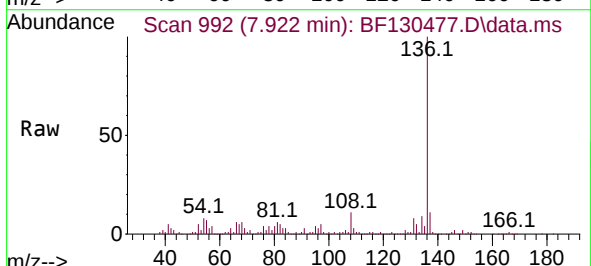
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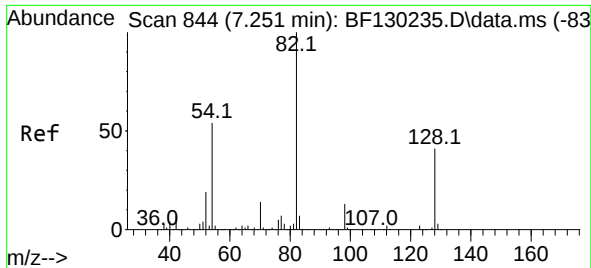
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.922 min Scan# 992
Delta R.T. -0.006 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

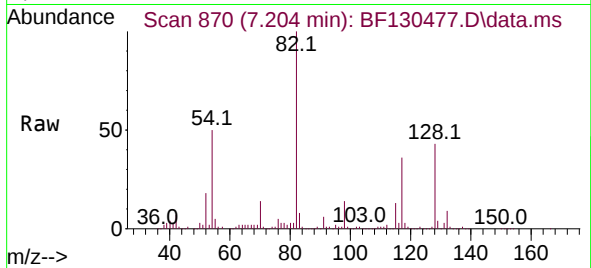
Tgt Ion:136 Resp: 301758
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.9 7.1 10.7
68 6.2 4.5 6.7





#23
Nitrobenzene-d5
Concen: 60.760 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

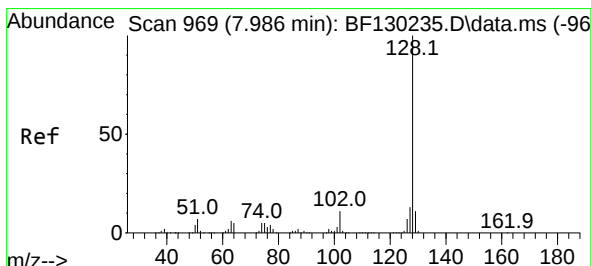
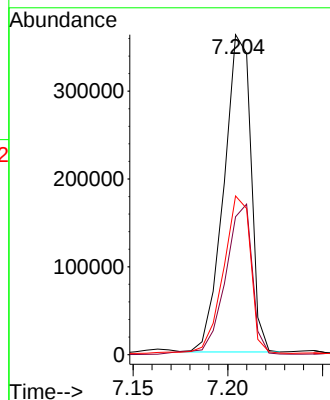
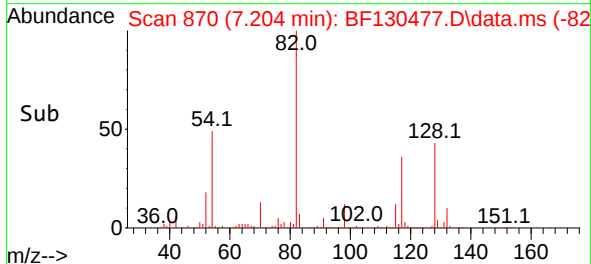
Instrument :
BNA_F
ClientSampleId :
VNJ-203



Tgt Ion: 82 Resp: 358884
Ion Ratio Lower Upper
82 100
128 43.1 32.6 49.0
54 49.6 43.8 65.6

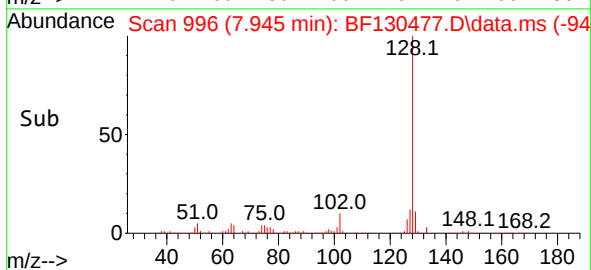
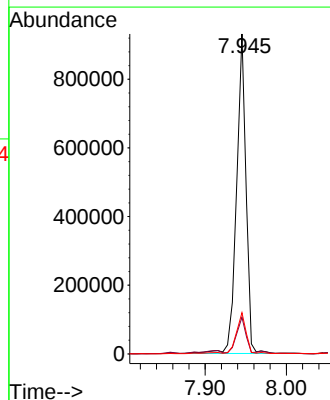
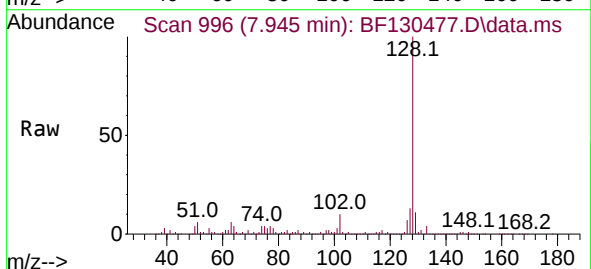
Manual Integrations
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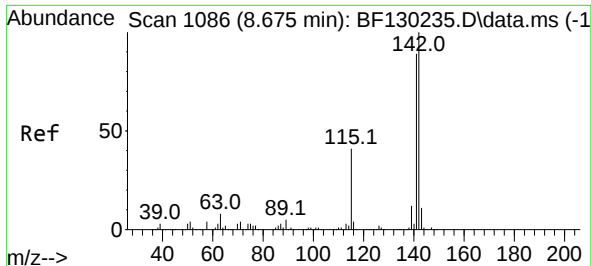
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#31
Naphthalene
Concen: 48.972 ng
RT: 7.945 min Scan# 996
Delta R.T. -0.006 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

Tgt Ion:128 Resp: 761324
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 12.9 10.6 16.0





#37

2-Methylnaphthalene

Concen: 34.312 ng

RT: 8.633 min Scan# 1113

Delta R.T. -0.006 min

Lab File: BF130477.D

Acq: 29 Sep 2022 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-203

Tgt Ion:142 Resp: 340100

Ion Ratio Lower Upper

142 100

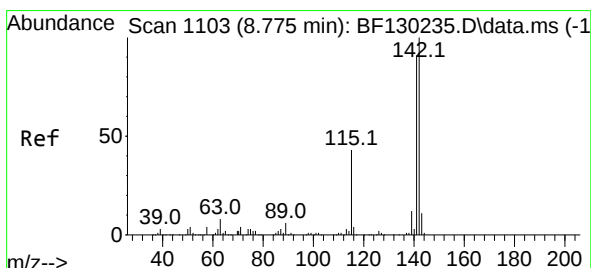
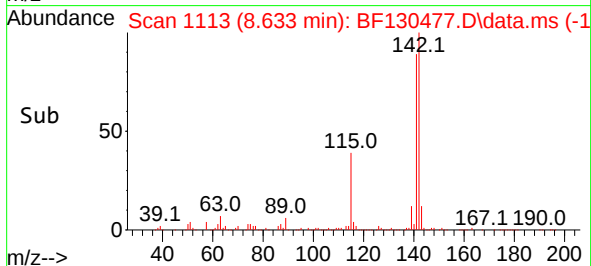
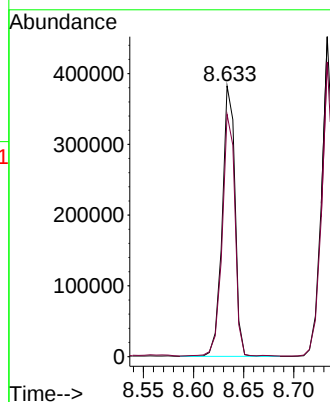
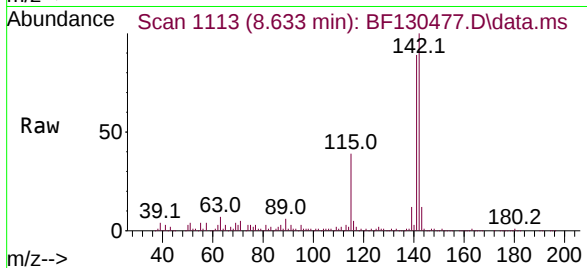
141 89.5 70.0 105.0

Manual Integrations

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Reviewed By :Christian Giraldo 09/30/2022

Supervised By :Jagrut Upadhyay 09/30/2022



#38

1-Methylnaphthalene

Concen: 38.485 ng

RT: 8.733 min Scan# 1130

Delta R.T. -0.006 min

Lab File: BF130477.D

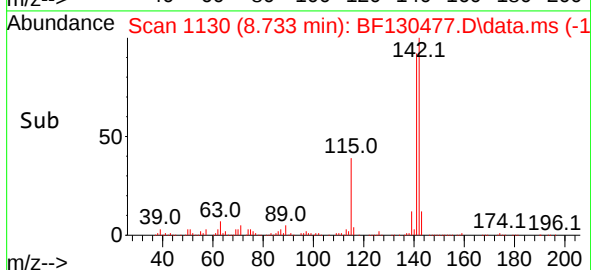
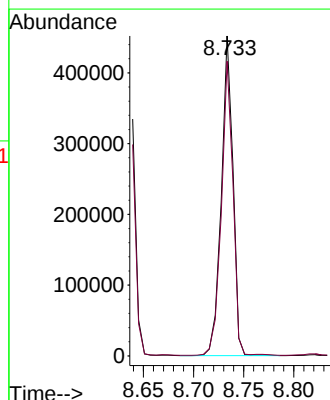
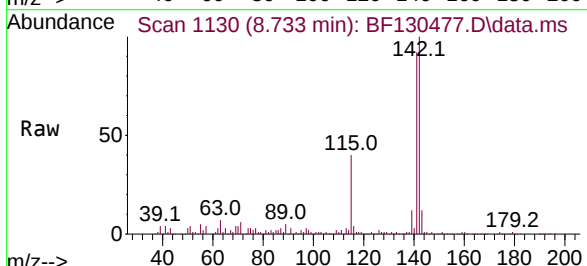
Acq: 29 Sep 2022 20:58

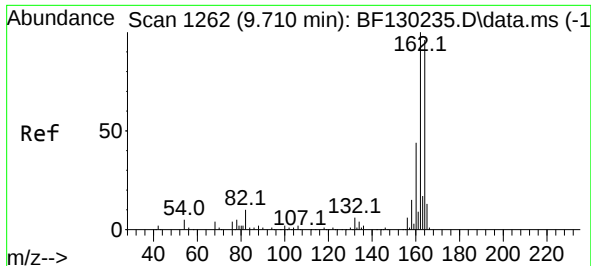
Tgt Ion:142 Resp: 366459

Ion Ratio Lower Upper

142 100

141 92.1 73.8 110.8





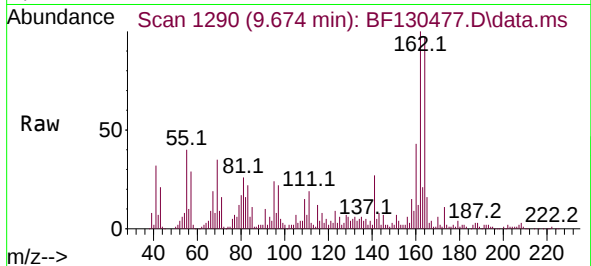
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.674 min Scan# 1262
Delta R.T. -0.006 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

Instrument :

BNA_F

ClientSampleId :

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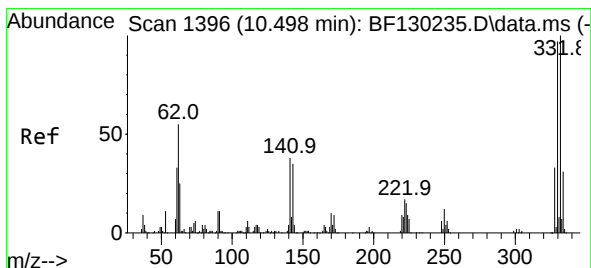
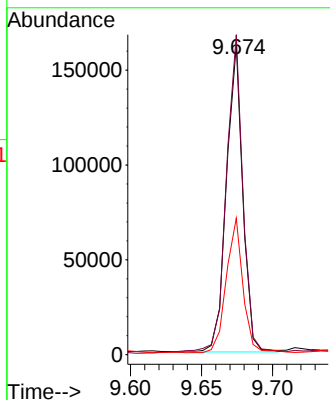
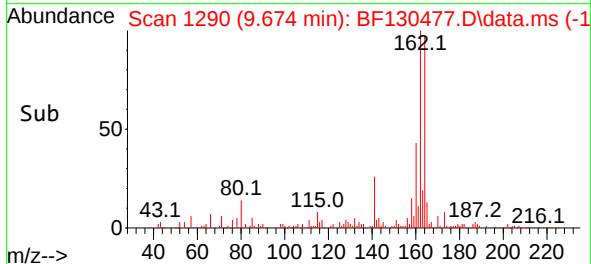


Tgt Ion:164 Resp: 129230
Ion Ratio Lower Upper
164 100
162 103.3 81.4 122.0
160 44.0 36.2 54.4

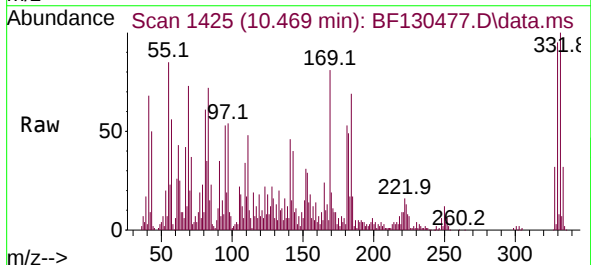
Manual Integrations

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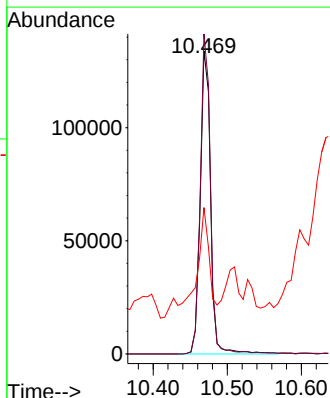
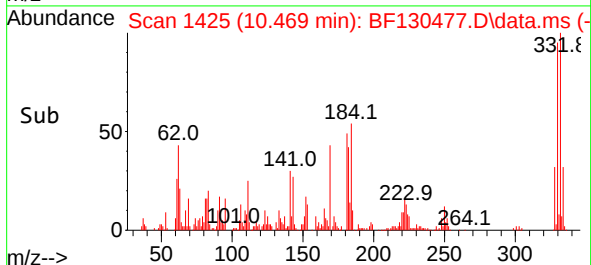
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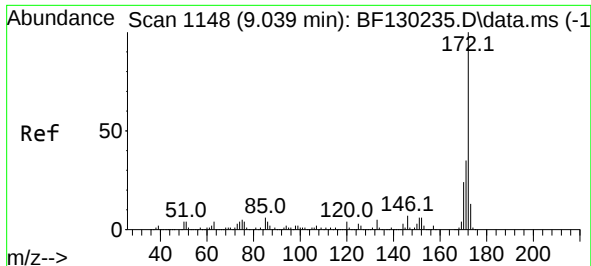


#42
2,4,6-Tribromophenol
Concen: 103.834 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58



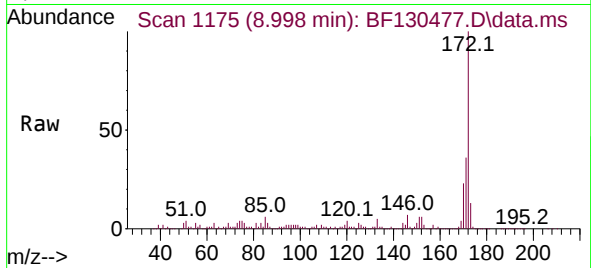
Tgt Ion:330 Resp: 128575
Ion Ratio Lower Upper
330 100
332 102.7 83.4 125.2
141 30.6 34.0 51.0#





#45
2-Fluorobiphenyl
Concen: 67.877 ng
RT: 8.998 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

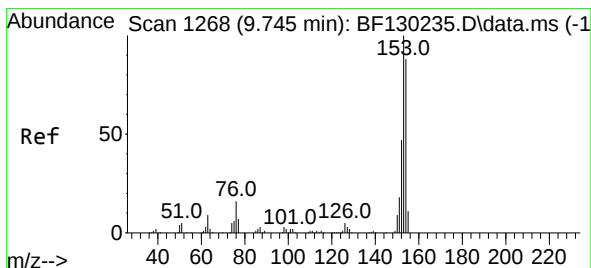
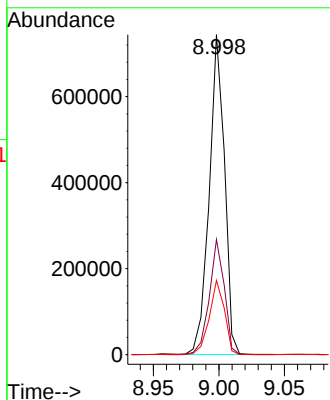
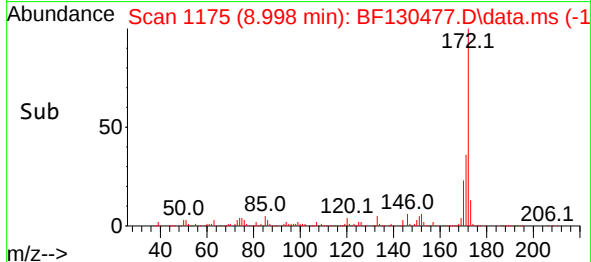
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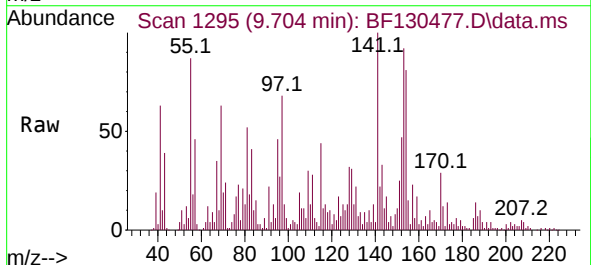
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Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 23.2 18.7 28.1

Manual Integrations
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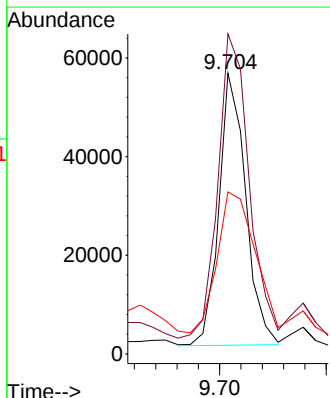
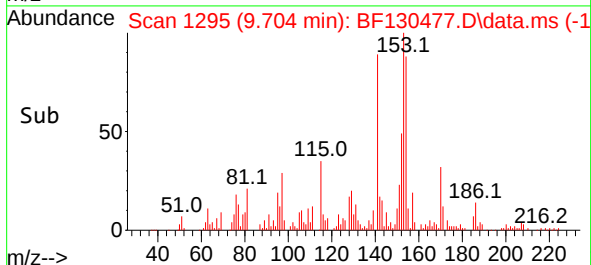
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022

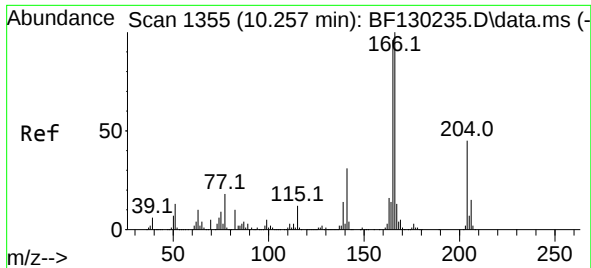


#52
Acenaphthene
Concen: 6.267 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58



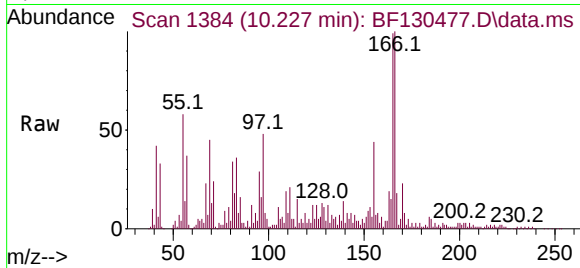
Tgt Ion:154 Resp: 48204
Ion Ratio Lower Upper
154 100
153 114.1 90.6 136.0
152 57.7 43.8 65.6





#58
Fluorene
Concen: 20.625 ng
RT: 10.227 min Scan# 1355
Delta R.T. -0.000 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

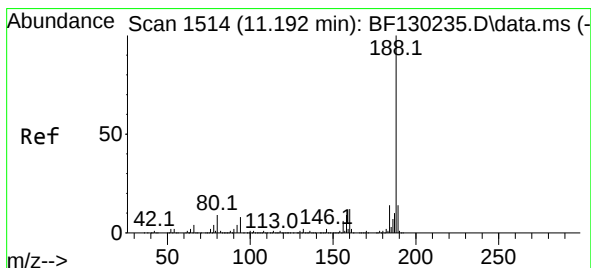
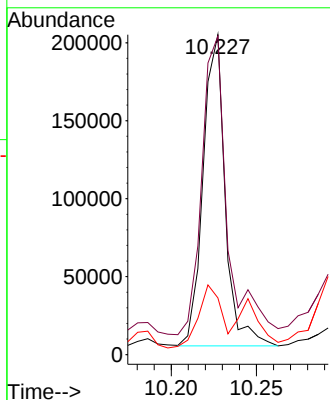
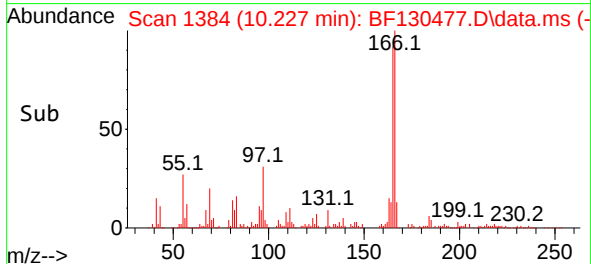
Instrument :
BNA_F
ClientSampleId :
VNJ-203



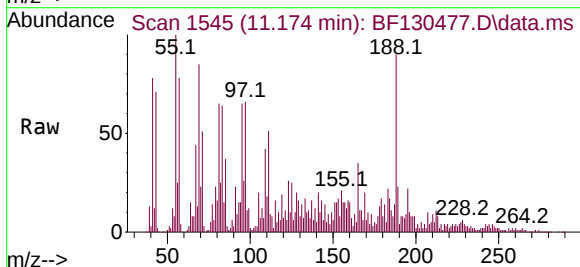
Tgt Ion:166 Resp: 180451
Ion Ratio Lower Upper
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165 99.5 78.8 118.2
167 17.7 10.6 15.8

Manual Integrations
APPROVED

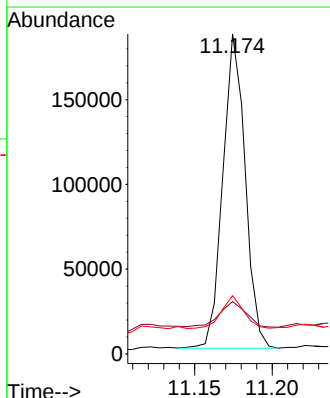
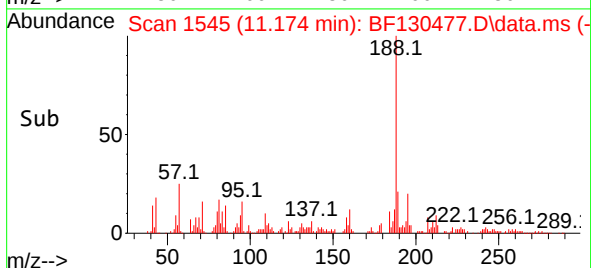
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022

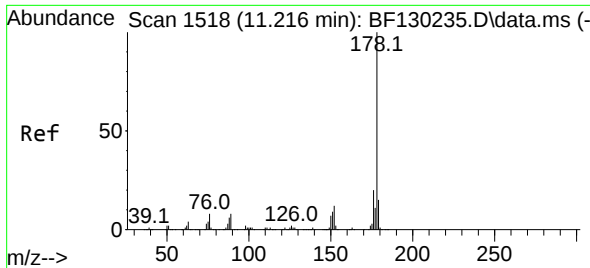


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.174 min Scan# 1545
Delta R.T. 0.018 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58



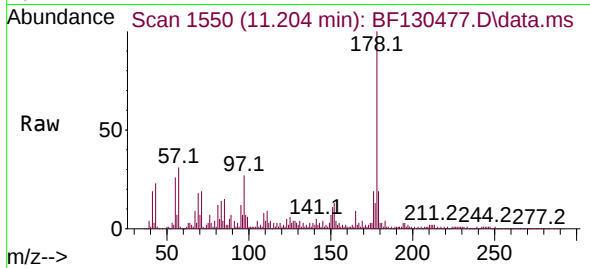
Tgt Ion:188 Resp: 186279
Ion Ratio Lower Upper
188 100
94 16.4 7.4 11.2#
80 18.2 7.9 11.9#





#71
Phenanthrene
Concen: 101.532 ng
RT: 11.204 min Scan# 1550
Delta R.T. 0.018 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

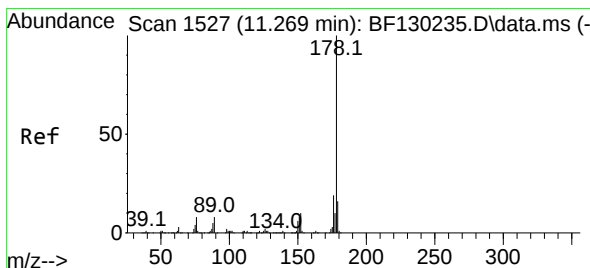
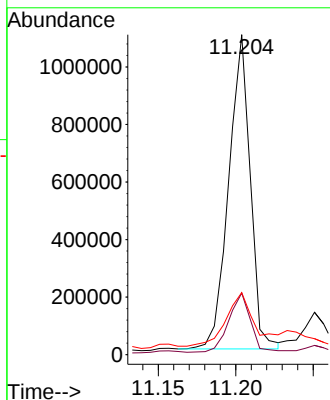
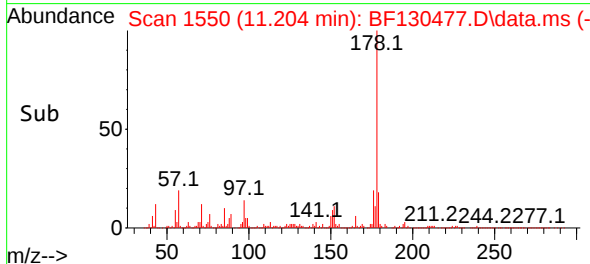
Instrument :
BNA_F
ClientSampleId :
VNJ-203



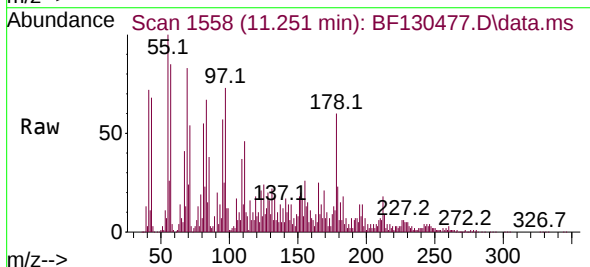
Tgt Ion:178 Resp: 1061870
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 19.4 12.4 18.6

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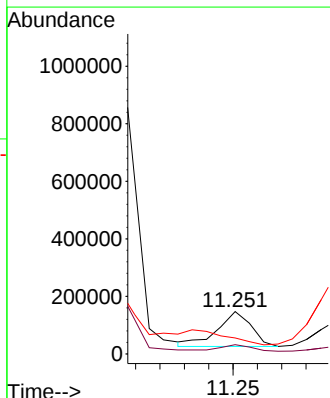
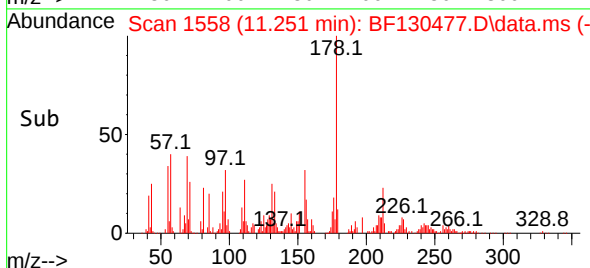
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022

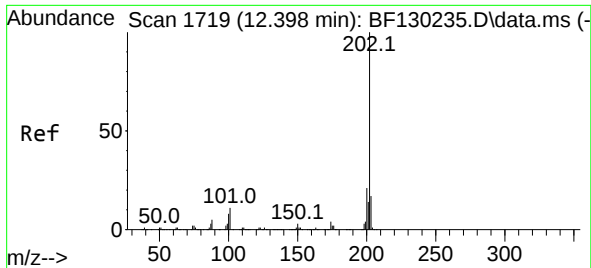


#72
Anthracene
Concen: 11.642 ng
RT: 11.251 min Scan# 1558
Delta R.T. 0.018 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58



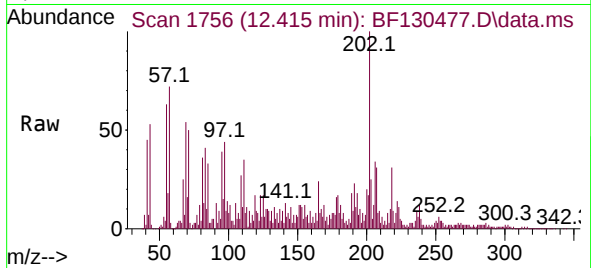
Tgt Ion:178 Resp: 117498
Ion Ratio Lower Upper
178 100
176 21.8 15.0 22.6
179 37.6 12.7 19.1





#75
Fluoranthene
Concen: 31.275 ng
RT: 12.415 min Scan# 1756
Delta R.T. 0.047 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

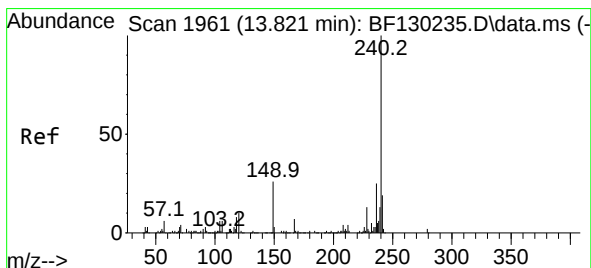
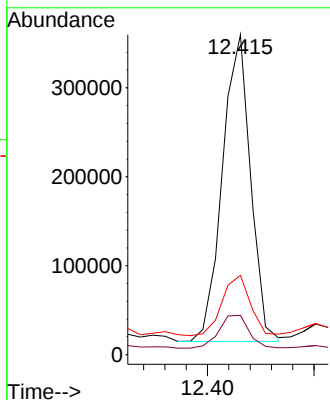
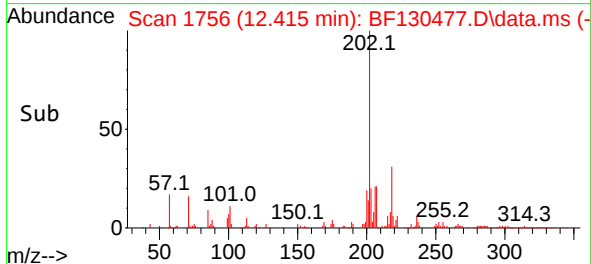
Instrument :
BNA_F
ClientSampleId :
VNJ-203



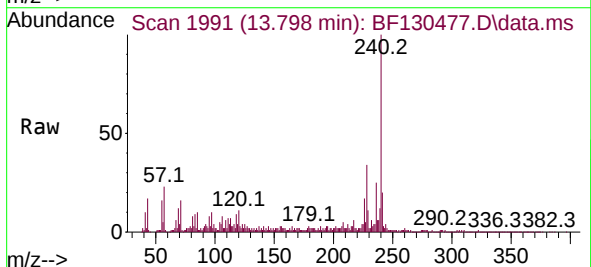
Tgt Ion:202 Resp: 316068
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.8
203 24.8 0.0 37.8

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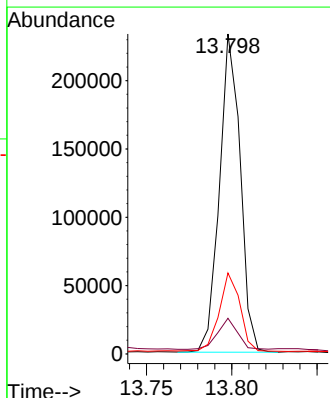
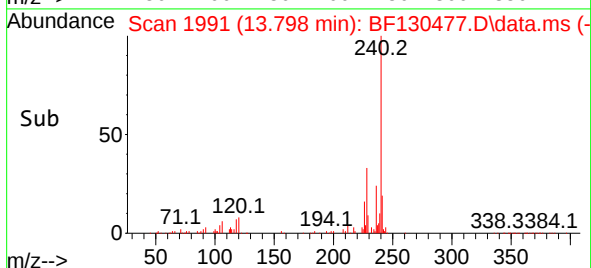
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022

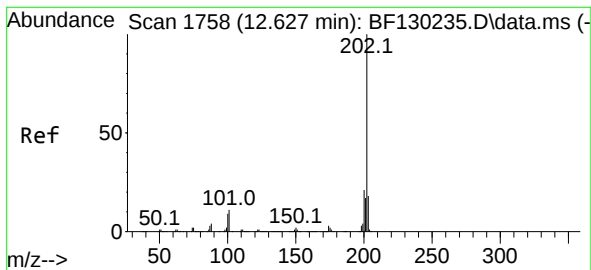


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.798 min Scan# 1991
Delta R.T. 0.006 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58



Tgt Ion:240 Resp: 197087
Ion Ratio Lower Upper
240 100
120 11.1 8.7 13.1
236 25.3 20.9 31.3





#78

Pyrene

Concen: 28.701 ng m

RT: 12.633 min Scan# 1817

Delta R.T. 0.041 min

Lab File: BF130477.D

Acq: 29 Sep 2022 20:58

Instrument :

BNA_F

ClientSampleId :

VNJ-203

Tgt Ion:202 Resp: 494836

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

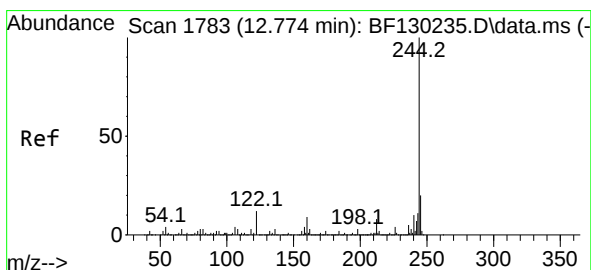
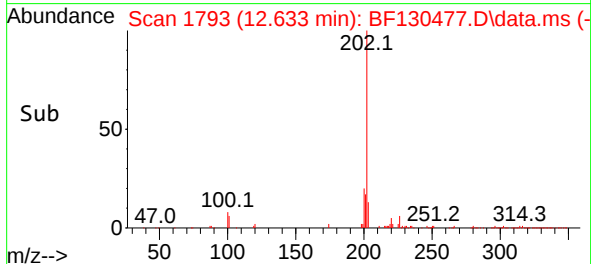
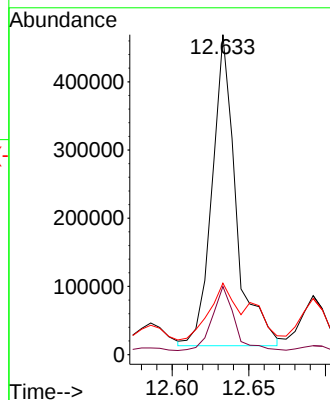
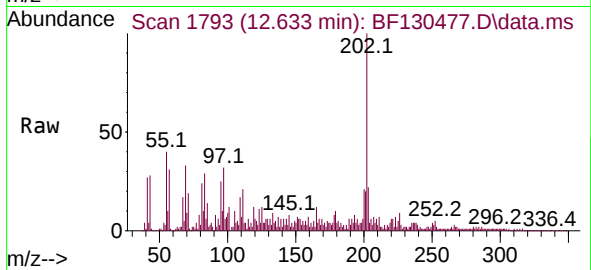
203 22.3 14.3 21.5

Manual Integrations

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Reviewed By :Christian Giraldo 09/30/2022

Supervised By :Jagrut Upadhyay 09/30/2022



#79

Terphenyl-d14

Concen: 52.732 ng

RT: 12.774 min Scan# 1817

Delta R.T. 0.029 min

Lab File: BF130477.D

Acq: 29 Sep 2022 20:58

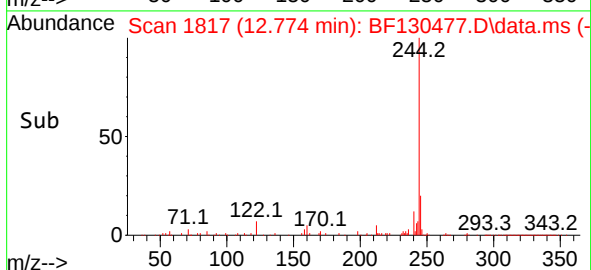
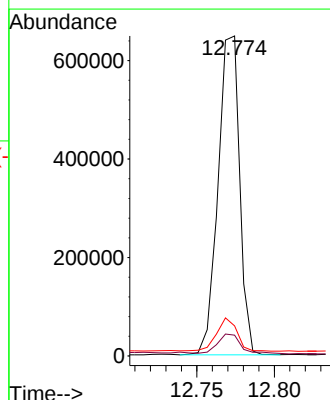
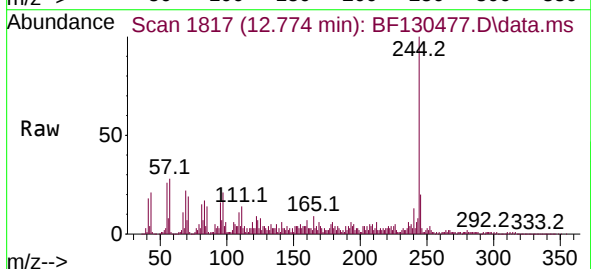
Tgt Ion:244 Resp: 627398

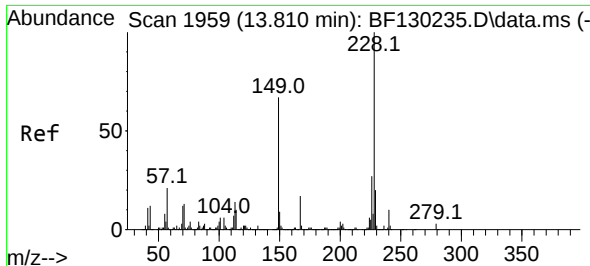
Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

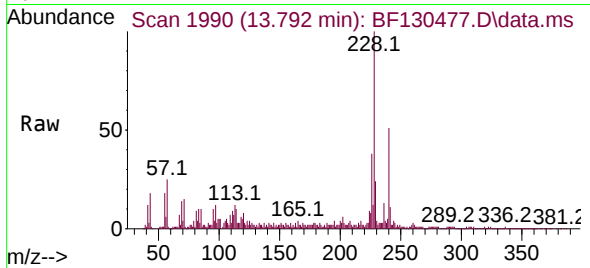
122 9.4 8.5 12.7





#81
Benzo(a)anthracene
Concen: 15.608 ng
RT: 13.792 min Scan# 1959
Delta R.T. 0.012 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

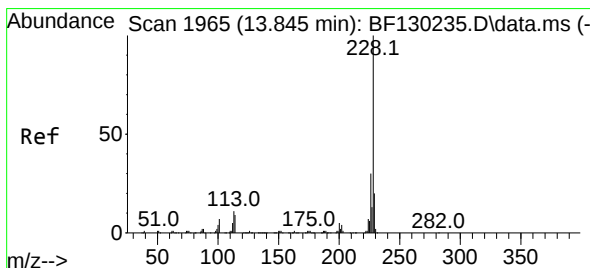
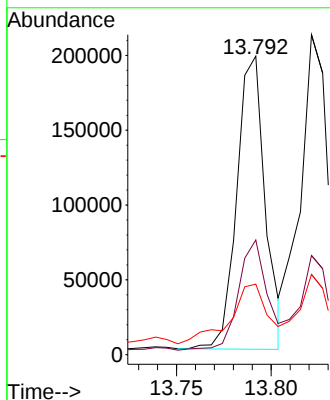
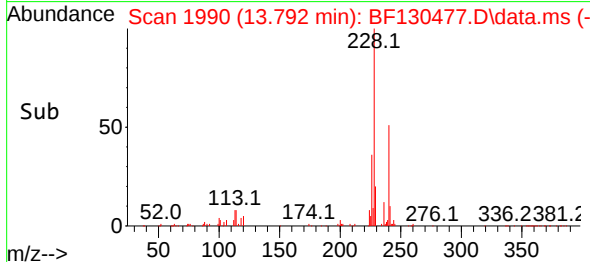
Instrument :
BNA_F
ClientSampleId :
VNJ-203



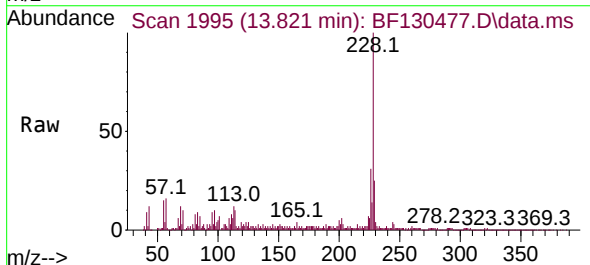
Tgt Ion:228 Resp: 204638
Ion Ratio Lower Upper
228 100
226 38.4 21.9 32.9
229 23.6 16.1 24.1

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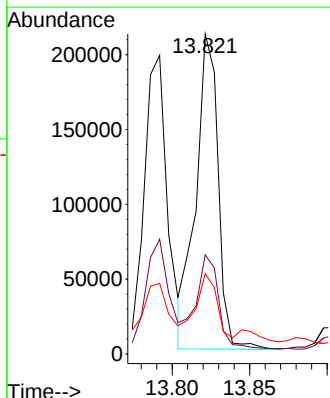
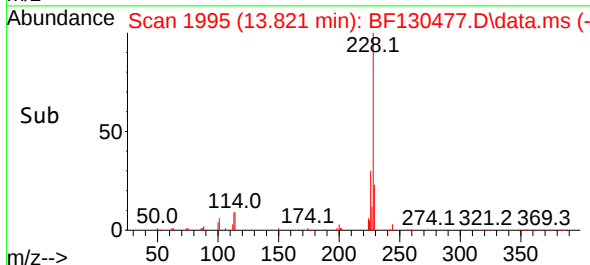
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022

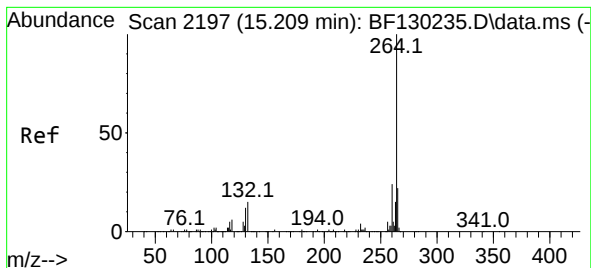


#83
Chrysene
Concen: 17.049 ng
RT: 13.821 min Scan# 1995
Delta R.T. 0.006 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58



Tgt Ion:228 Resp: 212248
Ion Ratio Lower Upper
228 100
226 31.0 23.8 35.8
229 25.1 15.3 22.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.174 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130477.D

Acq: 29 Sep 2022 20:58

Instrument :

BNA_F

ClientSampleId :

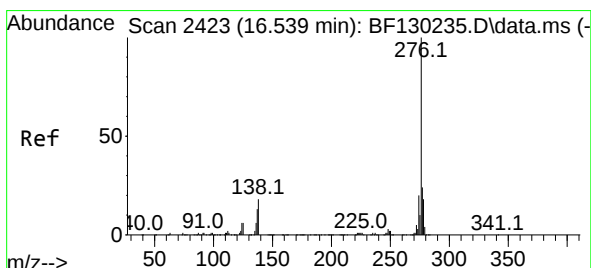
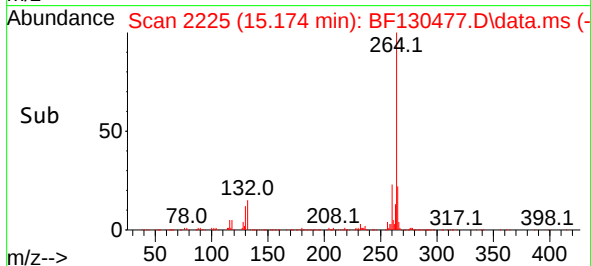
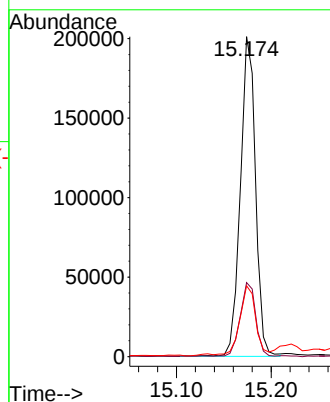
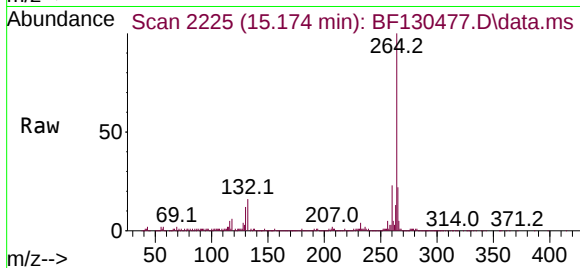
VNJ-203

Tgt Ion:264 Resp: 223255
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.3 28.9
 265 22.1 17.0 25.4

Manual Integrations

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 Supervised By :Jagrut Upadhyay 09/30/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.586 ng m

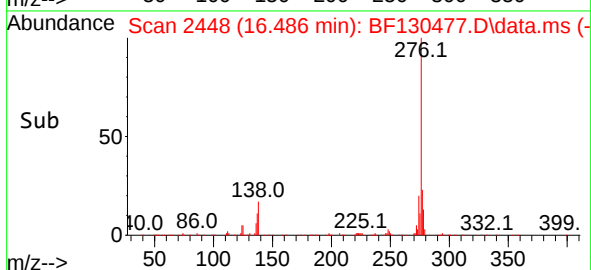
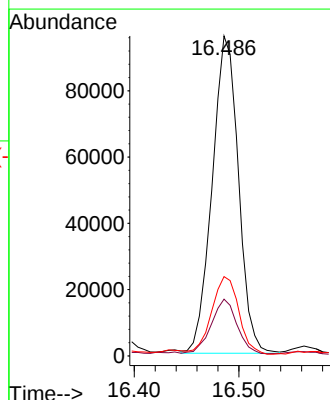
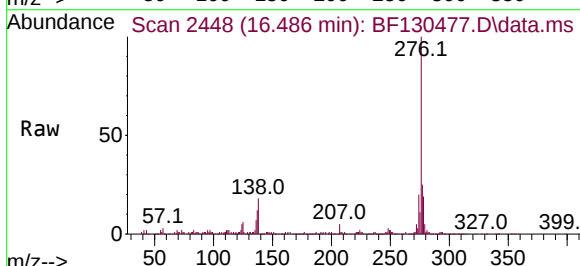
RT: 16.486 min Scan# 2448

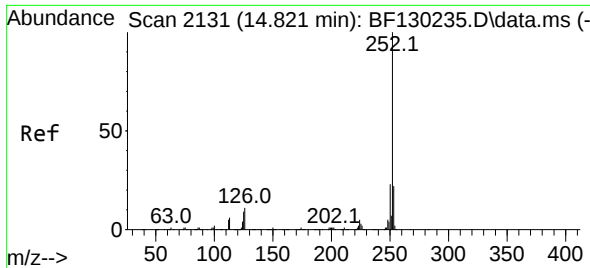
Delta R.T. -0.012 min

Lab File: BF130477.D

Acq: 29 Sep 2022 20:58

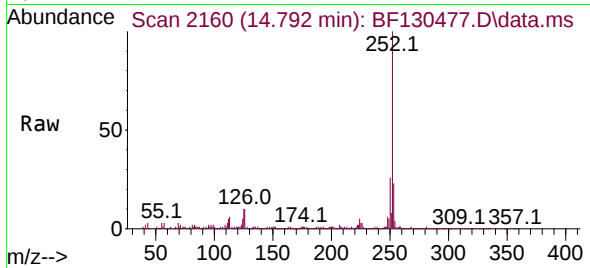
Tgt Ion:276 Resp: 167602
 Ion Ratio Lower Upper
 276 100
 138 3.7 18.5 27.7#
 277 5.4 20.2 30.4#





#88
Benzo(b)fluoranthene
Concen: 18.932 ng m
RT: 14.792 min Scan# 2160
Delta R.T. 0.006 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

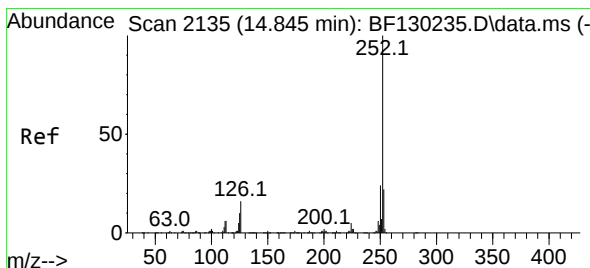
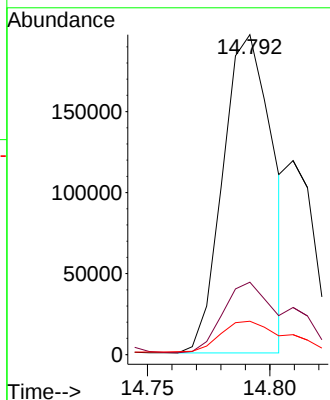
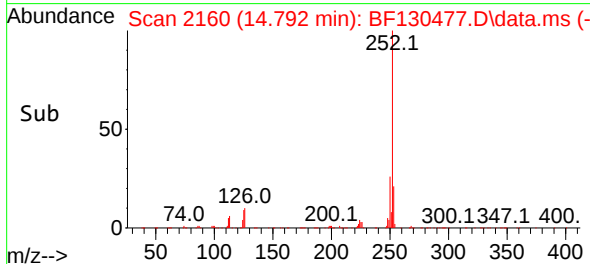
Instrument :
BNA_F
ClientSampleId :
VNJ-203



Tgt Ion:252 Resp: 27587
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 10.4 8.1 12.1

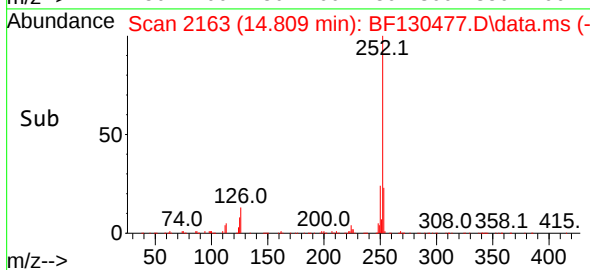
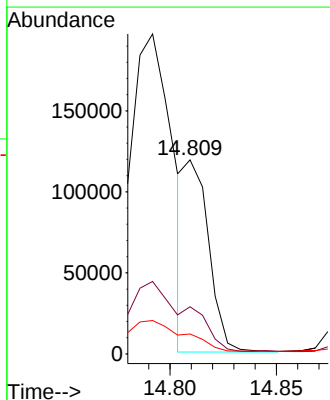
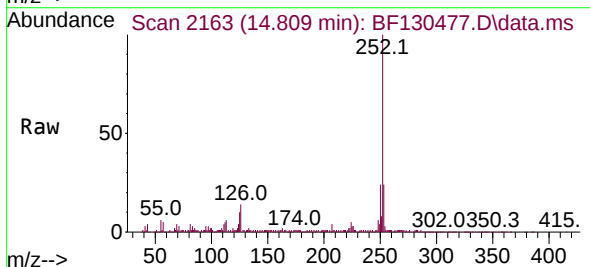
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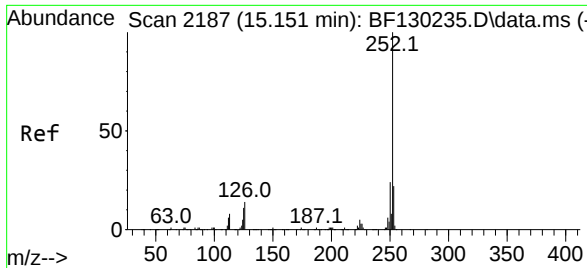
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#89
Benzo(k)fluoranthene
Concen: 6.500 ng m
RT: 14.809 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

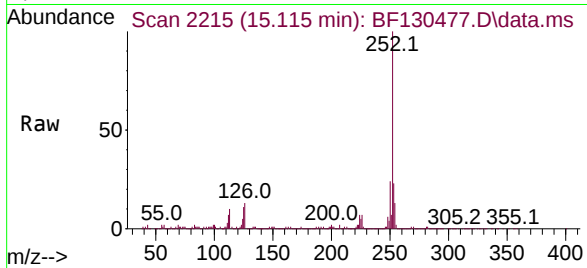
Tgt Ion:252 Resp: 93177
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 10.3 7.9 11.9





#90
Benzo(a)pyrene
Concen: 21.686 ng
RT: 15.115 min Scan# 2187
Delta R.T. -0.000 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58

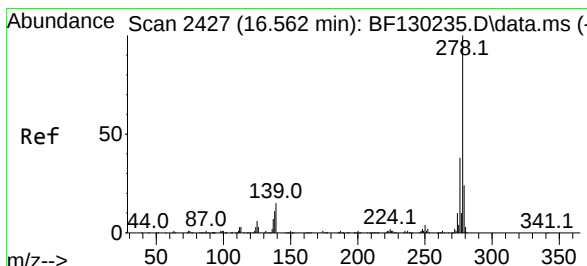
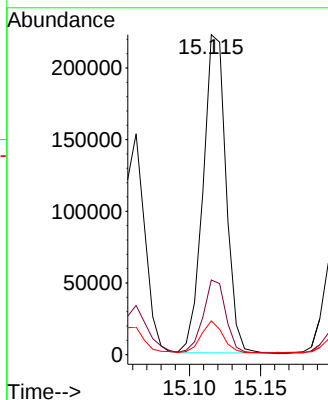
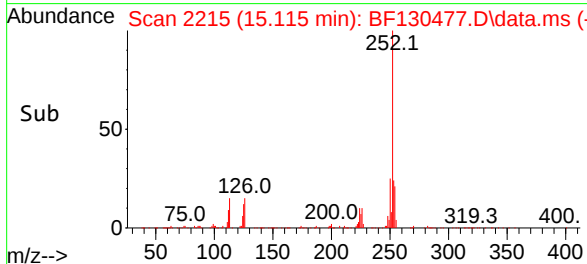
Instrument :
BNA_F
ClientSampleId :
VNJ-203



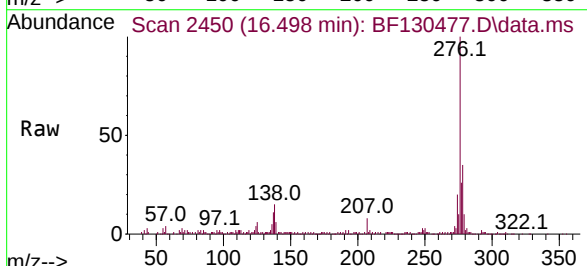
Tgt Ion:252 Resp: 250350
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 10.5 9.0 13.6

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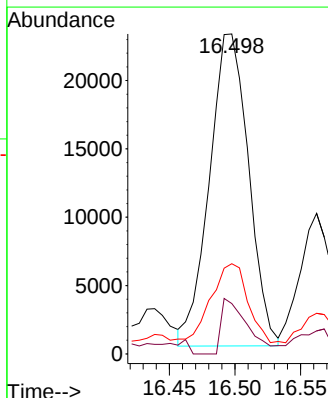
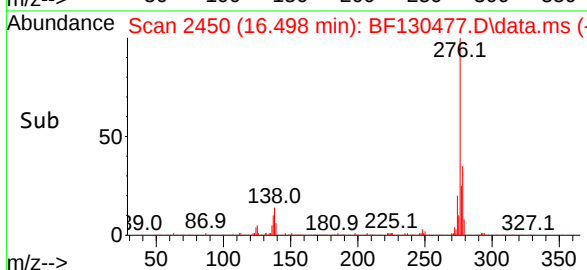
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022

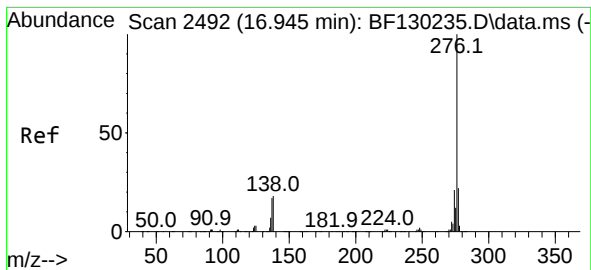


#91
Dibenzo(a,h)anthracene
Concen: 3.654 ng
RT: 16.498 min Scan# 2450
Delta R.T. -0.012 min
Lab File: BF130477.D
Acq: 29 Sep 2022 20:58



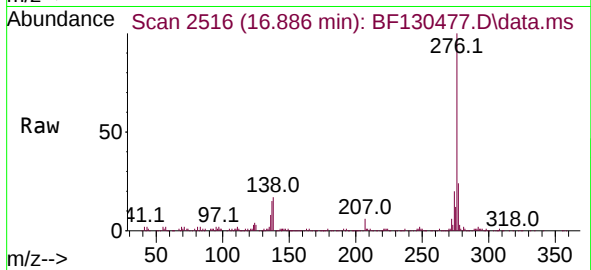
Tgt Ion:278 Resp: 47459
Ion Ratio Lower Upper
278 100
139 15.7 11.8 17.8
279 28.2 19.4 29.0





#92
 Benzo(g,h,i)perylene
 Concen: 12.353 ng
 RT: 16.886 min Scan# 2516
 Delta R.T. -0.006 min
 Lab File: BF130477.D
 Acq: 29 Sep 2022 20:58

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-203



Tgt Ion: 276 Resp: 161614
 Ion Ratio Lower Upper
 276 100
 277 23.7 18.6 27.8
 138 16.9 14.6 21.8

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/30/2022
 Supervised By : Jagrut Upadhyay 09/30/2022

