

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092622\
 Data File : BF130417.D
 Acq On : 26 Sep 2022 20:20
 Operator : CG\JU
 Sample : N4809-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1-0923

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/27/2022
 Supervised By : Jagrut Upadhyay 09/27/2022

Quant Time: Sep 27 01:08:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 27 01:00:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.651	152	77551	20.000	ng	0.00
21) Naphthalene-d8	7.934	136	254636	20.000	ng	0.00
39) Acenaphthene-d10	9.686	164	109745	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	178485	20.000	ng	# 0.00
76) Chrysene-d12	13.804	240	205932	20.000	ng	0.00
86) Perylene-d12	15.204	264	180230	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.263	112	466884	104.421	ng	0.02
7) Phenol-d6	6.298	99	526526	94.115	ng	0.00
23) Nitrobenzene-d5	7.216	82	324672	65.140	ng	0.00
42) 2,4,6-Tribromophenol	10.475	330	115025	109.384	ng	0.00
45) 2-Fluorobiphenyl	9.010	172	524002	69.529	ng	0.00
79) Terphenyl-d14	12.757	244	611095	49.156	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.957	128	52448	3.998	ng	98
37) 2-Methylnaphthalene	8.645	142	19191	2.294	ng	96
38) 1-Methylnaphthalene	8.745	142	19574	2.436	ng	90
49) Acenaphthylene	9.545	152	132897	13.369	ng	98
58) Fluorene	10.227	166	19278	2.595	ng	98
71) Phenanthrene	11.192	178	236371	23.588	ng	100
72) Anthracene	11.239	178	98632	10.199	ng	97
75) Fluoranthene	12.380	202	546929	56.483	ng	98
78) Pyrene	12.610	202	683061	37.916	ng	99
81) Benzo(a)anthracene	13.798	228	428672m	31.291	ng	
83) Chrysene	13.833	228	424425	32.629	ng	98
87) Indeno(1,2,3-cd)pyrene	16.527	276	201360m	15.755	ng	
88) Benzo(b)fluoranthene	14.815	252	556762m	47.329	ng	
89) Benzo(k)fluoranthene	14.839	252	203832m	17.615	ng	
90) Benzo(a)pyrene	15.145	252	399264	42.842	ng	97
91) Dibenzo(a,h)anthracene	16.539	278	60159	5.738	ng	94
92) Benzo(g,h,i)perylene	16.927	276	190942	18.078	ng	99

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

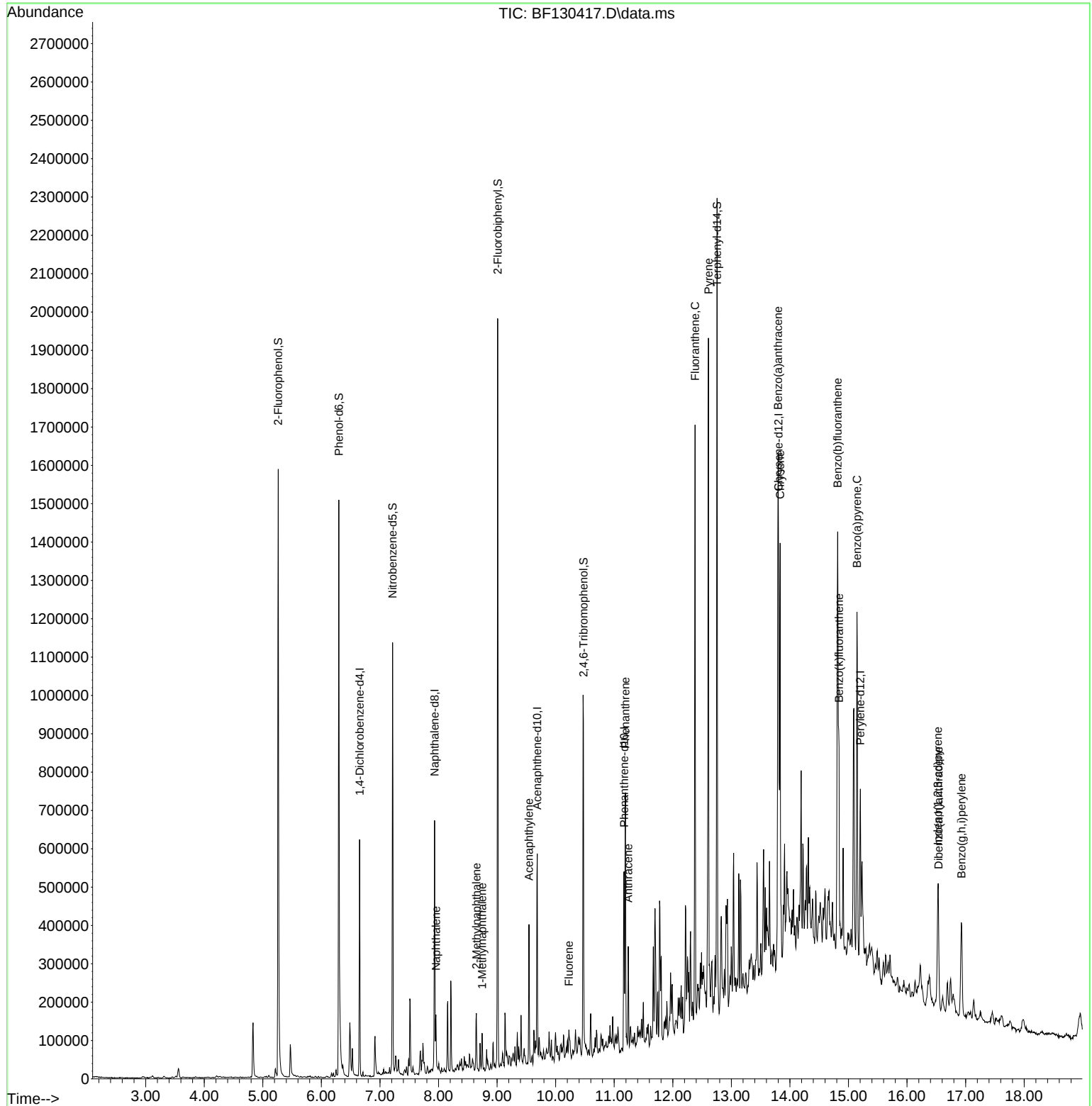
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092622\
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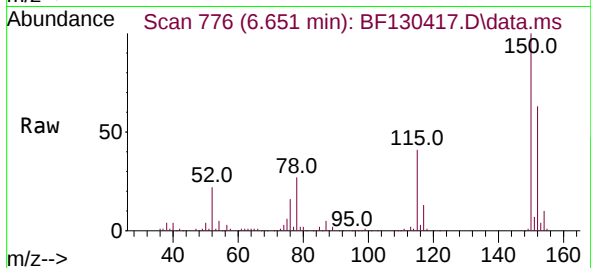
Reviewed By : Christian Giraldo 09/27/2022
Supervised By : Jagrut Upadhyay 09/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.651 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

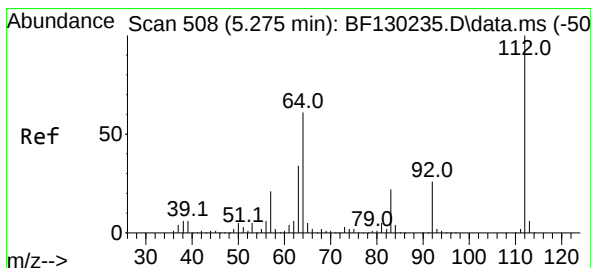
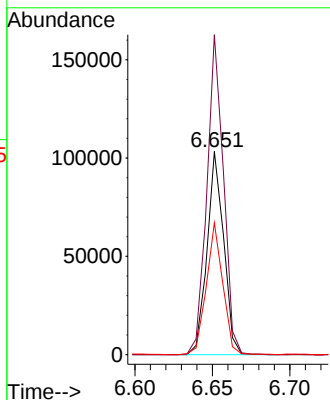
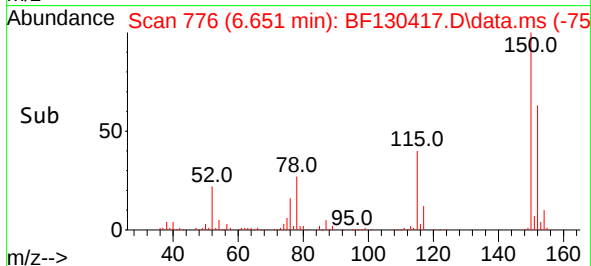
Instrument :
BNA_F
ClientSampleId :
TP1-0923



Tgt Ion:152 Resp: 7755
Ion Ratio Lower Upper
152 100
150 157.5 122.8 184.2
115 64.9 53.8 80.8

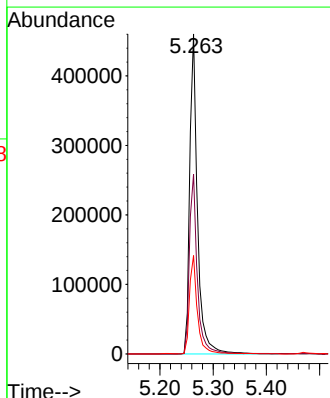
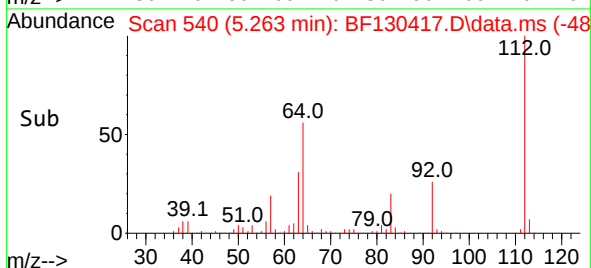
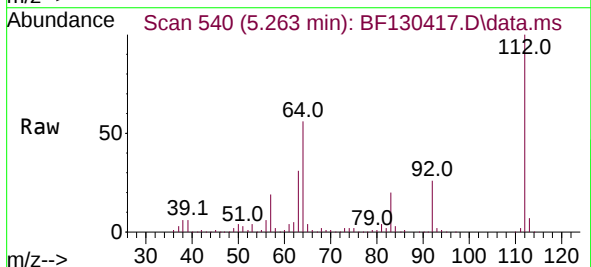
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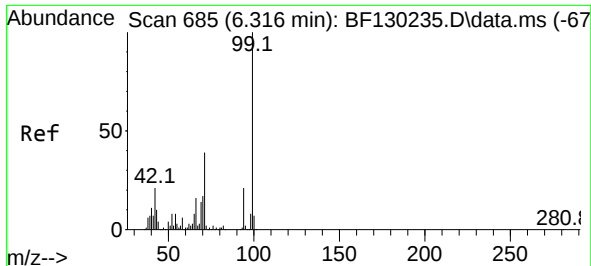
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022



#5
2-Fluorophenol
Concen: 104.421 ng
RT: 5.263 min Scan# 540
Delta R.T. 0.018 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion:112 Resp: 466884
Ion Ratio Lower Upper
112 100
64 56.2 51.4 77.0
63 30.7 28.8 43.2





#7

Phenol-d6

Concen: 94.115 ng

RT: 6.298 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF130417.D

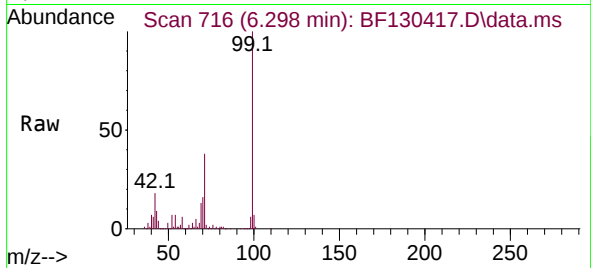
Acq: 26 Sep 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP1-0923



Tgt Ion: 99 Resp: 526526

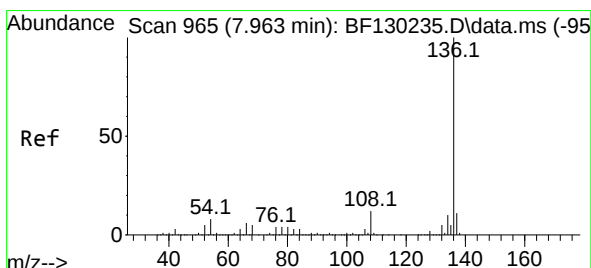
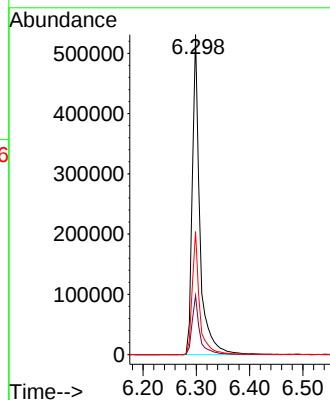
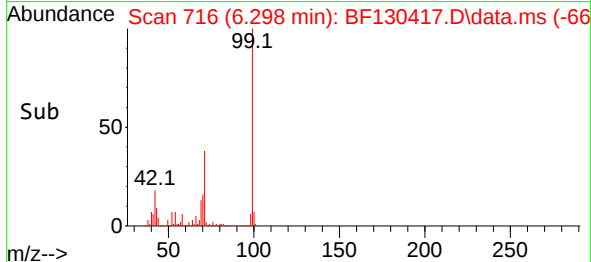
Ion	Ratio	Lower	Upper
99	100		
42	18.4	17.0	25.6
71	38.4	32.3	48.5

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.934 min Scan# 994

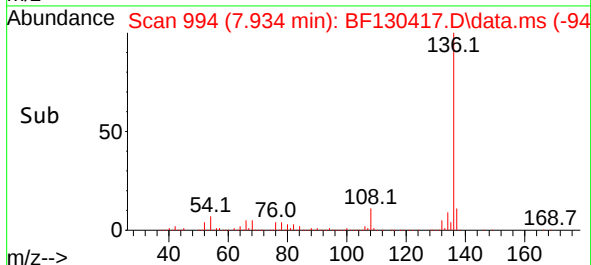
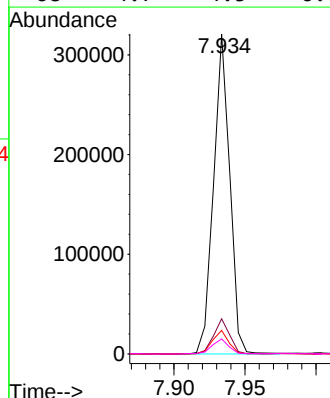
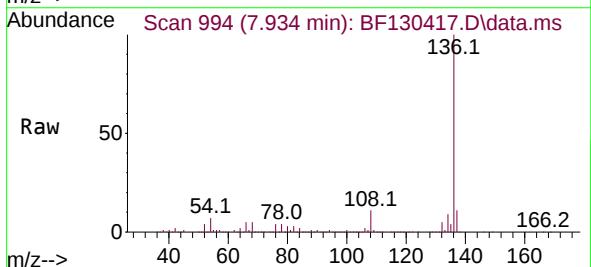
Delta R.T. -0.006 min

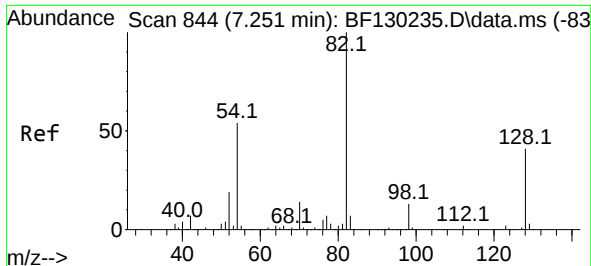
Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

Tgt Ion:136 Resp: 254636

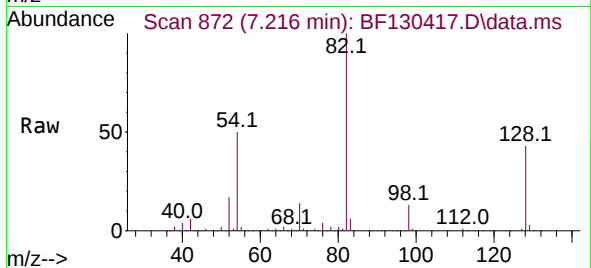
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.3	7.1	10.7
68	4.7	4.5	6.7





#23
Nitrobenzene-d5
Concen: 65.140 ng
RT: 7.216 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

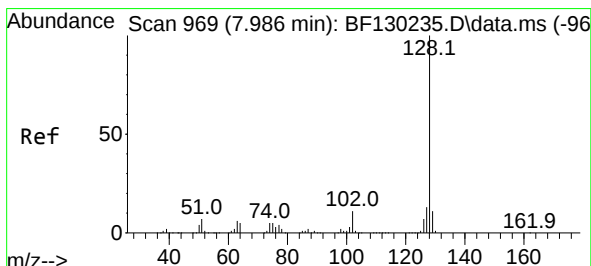
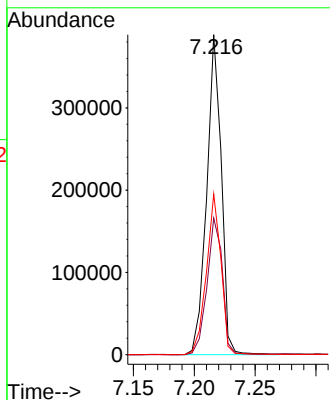
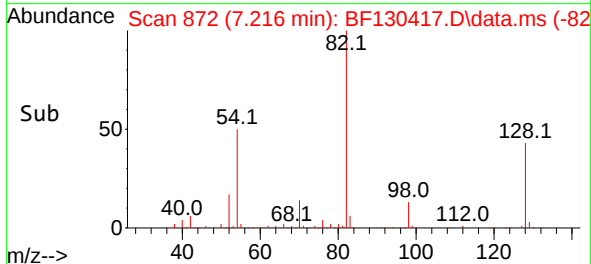
Instrument :
BNA_F
ClientSampleId :
TP1-0923



Tgt Ion: 82 Resp: 324672
Ion Ratio Lower Upper
82 100
128 42.7 32.6 49.0
54 50.2 43.8 65.6

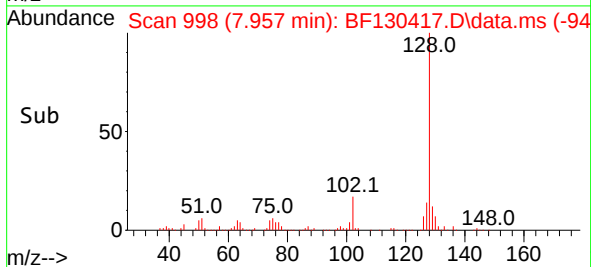
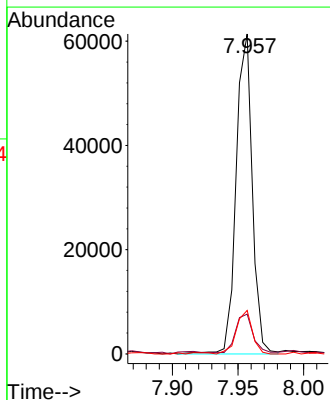
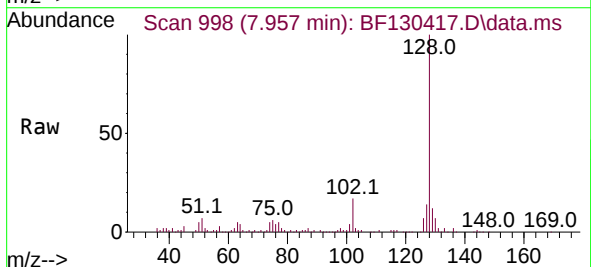
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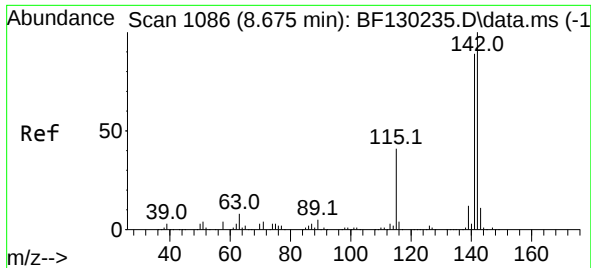
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022



#31
Naphthalene
Concen: 3.998 ng
RT: 7.957 min Scan# 998
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion:128 Resp: 52448
Ion Ratio Lower Upper
128 100
129 12.4 9.1 13.7
127 13.6 10.6 16.0





#37

2-Methylnaphthalene

Concen: 2.294 ng

RT: 8.645 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP1-0923

Tgt Ion:142 Resp: 1919

Ion Ratio Lower Upper

142 100

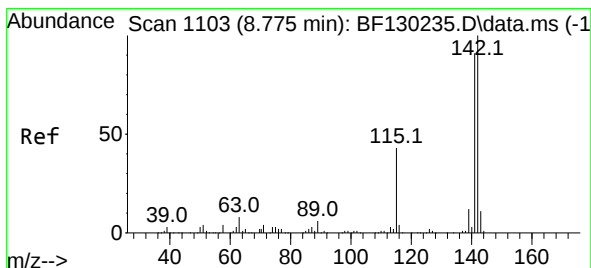
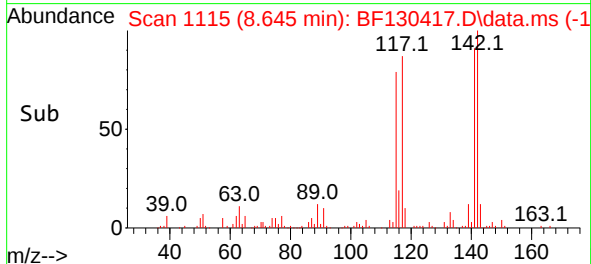
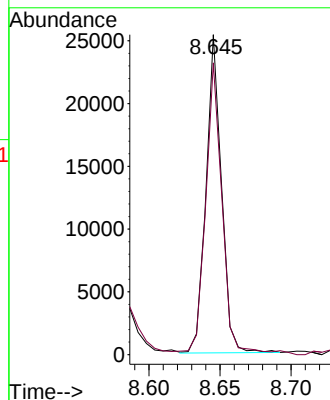
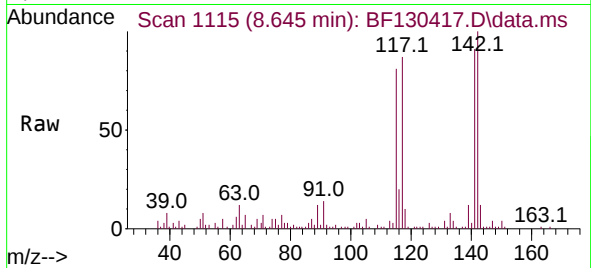
141 91.2 70.0 105.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/27/2022



#38

1-Methylnaphthalene

Concen: 2.436 ng

RT: 8.745 min Scan# 1132

Delta R.T. -0.000 min

Lab File: BF130417.D

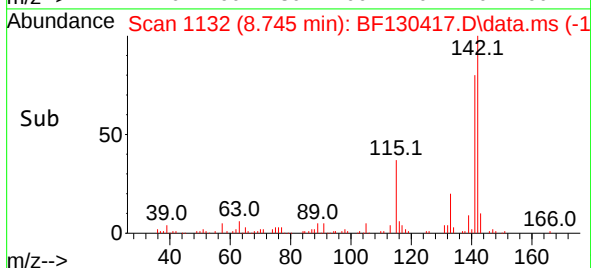
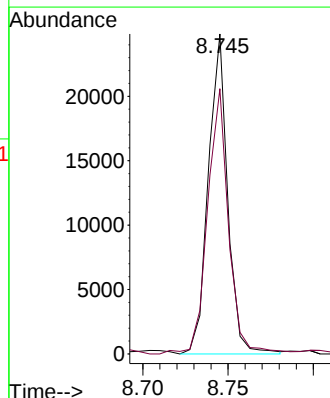
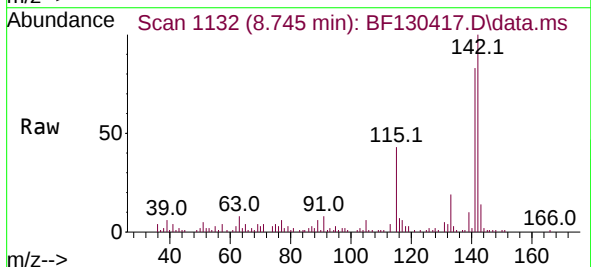
Acq: 26 Sep 2022 20:20

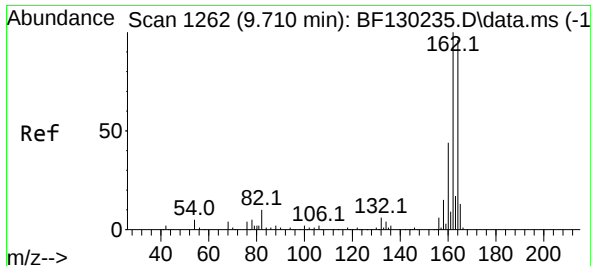
Tgt Ion:142 Resp: 19574

Ion Ratio Lower Upper

142 100

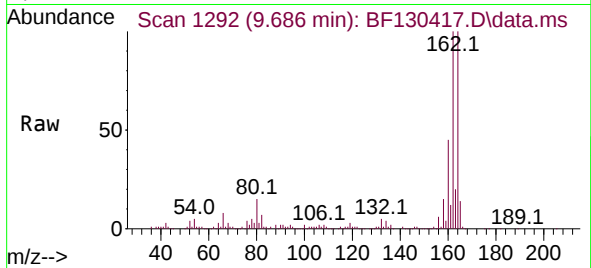
141 82.9 73.8 110.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

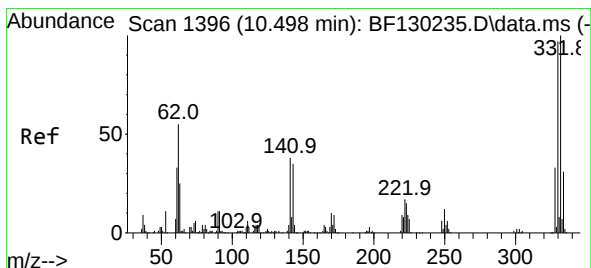
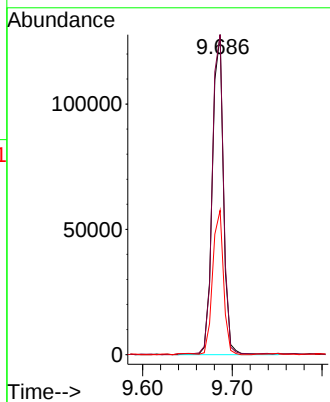
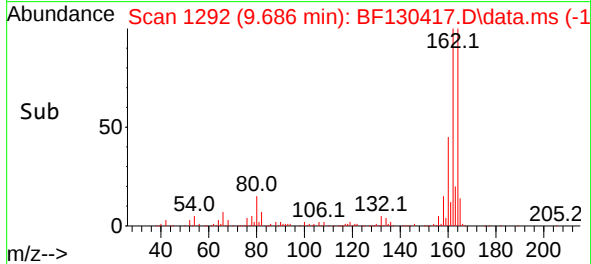
Instrument :
BNA_F
ClientSampleId :
TP1-0923



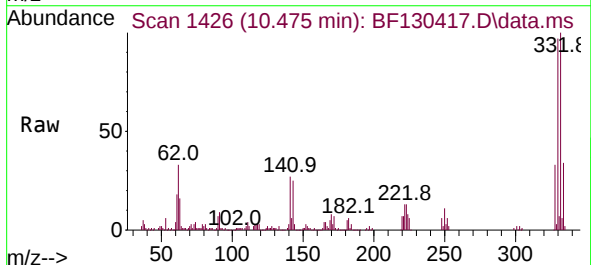
Tgt Ion:164 Resp: 109745
Ion Ratio Lower Upper
164 100
162 100.0 81.4 122.0
160 45.1 36.2 54.4

Manual Integrations
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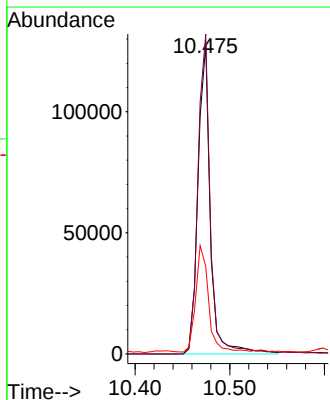
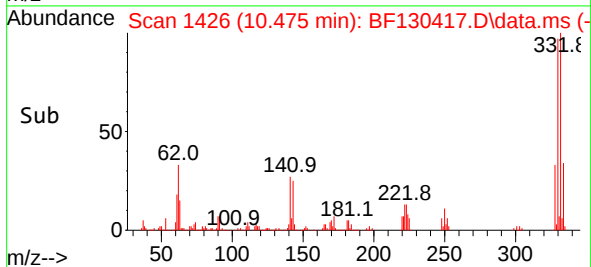
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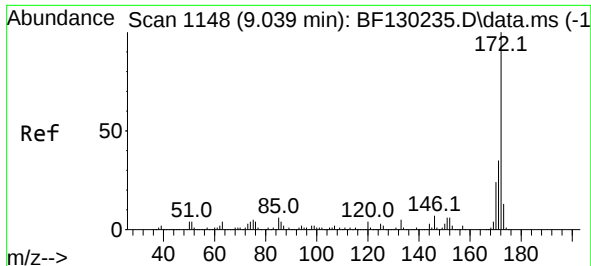


#42
2,4,6-Tribromophenol
Concen: 109.384 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20



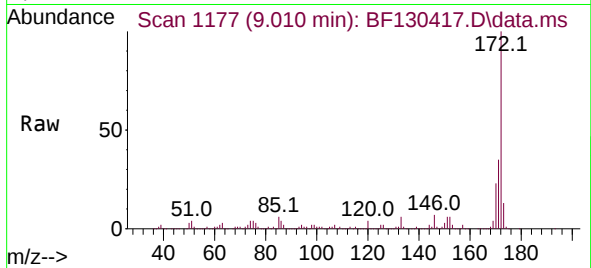
Tgt Ion:330 Resp: 115025
Ion Ratio Lower Upper
330 100
332 104.3 83.4 125.2
141 35.4 34.0 51.0





#45
2-Fluorobiphenyl
Concen: 69.529 ng
RT: 9.010 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

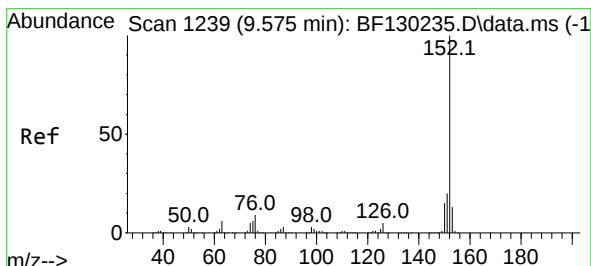
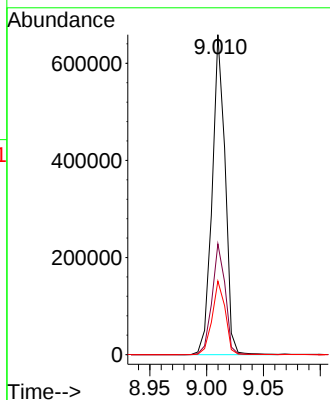
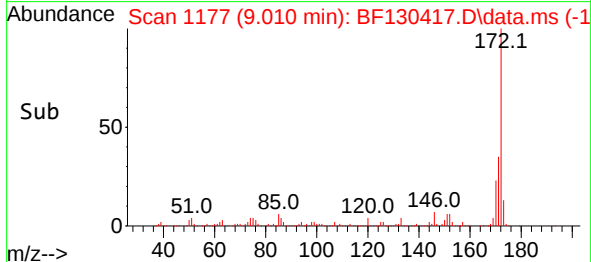
Instrument :
BNA_F
ClientSampleId :
TP1-0923



Tgt Ion:172 Resp: 524002
Ion Ratio Lower Upper
172 100
171 34.6 28.3 42.5
170 23.0 18.7 28.1

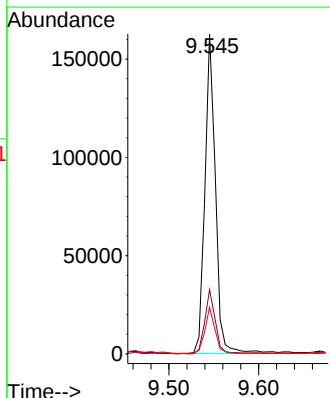
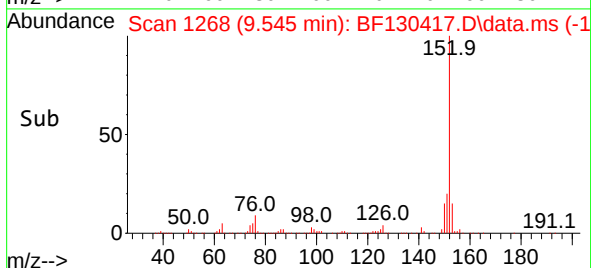
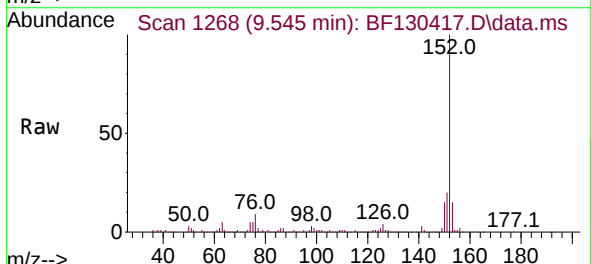
Manual Integrations
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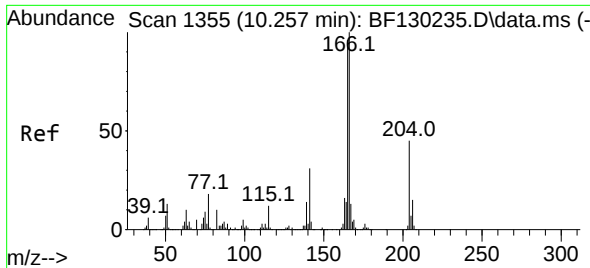
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022



#49
Acenaphthylene
Concen: 13.369 ng
RT: 9.545 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

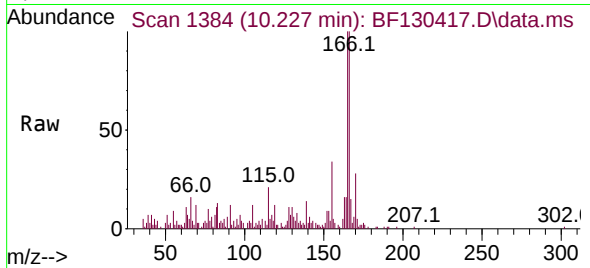
Tgt Ion:152 Resp: 132897
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 14.6 10.6 15.8





#58
Fluorene
Concen: 2.595 ng
RT: 10.227 min Scan# 1355
Delta R.T. -0.012 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

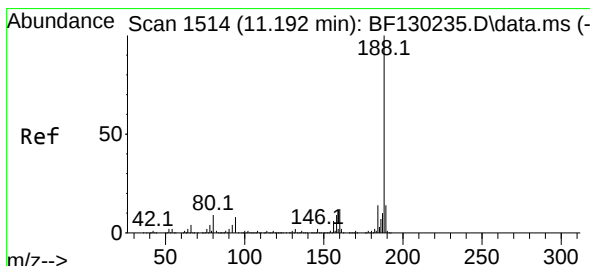
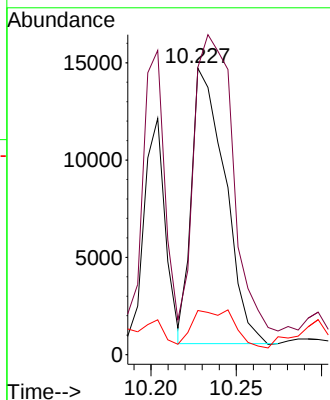
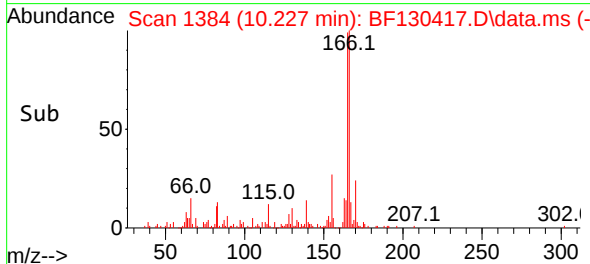
Instrument :
BNA_F
ClientSampleId :
TP1-0923



Tgt Ion:166 Resp: 19278
Ion Ratio Lower Upper
166 100
165 100.3 78.8 118.2
167 15.4 10.6 15.8

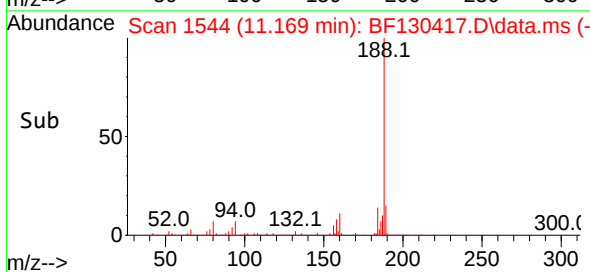
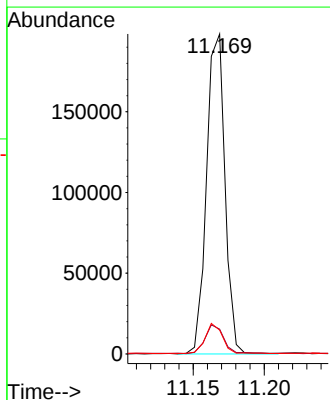
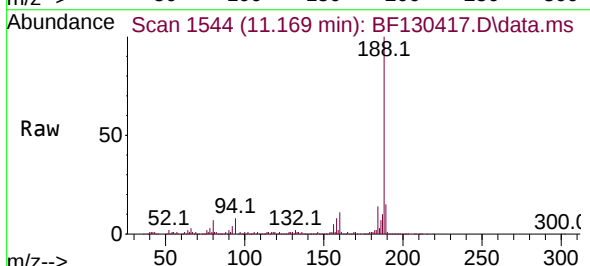
Manual Integrations
APPROVED

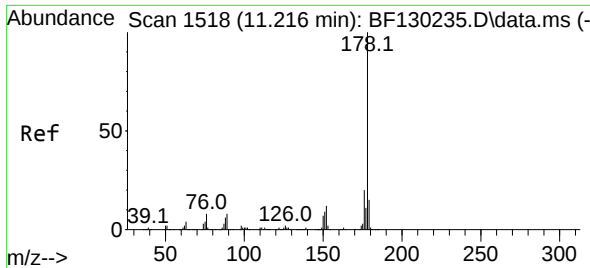
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion:188 Resp: 178485
Ion Ratio Lower Upper
188 100
94 7.7 7.4 11.2
80 7.4 7.9 11.9





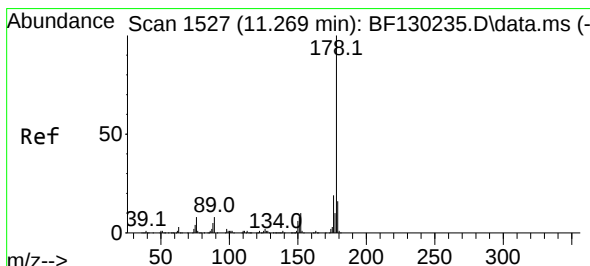
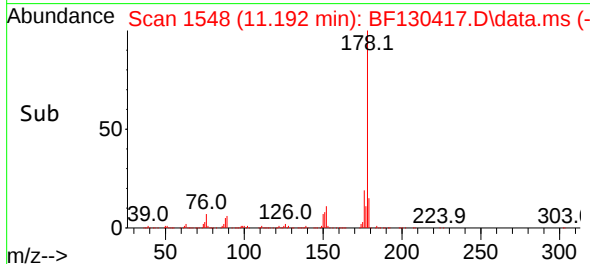
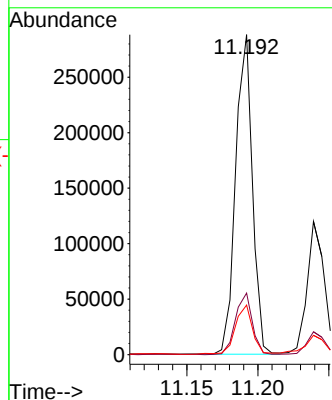
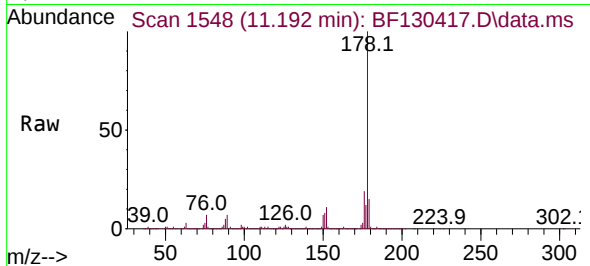
#71
Phenanthrene
Concen: 23.588 ng
RT: 11.192 min Scan# 11556
Delta R.T. -0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Instrument :
BNA_F
ClientSampleId :
TP1-0923

Tgt Ion:178 Resp: 23637
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.4 18.6

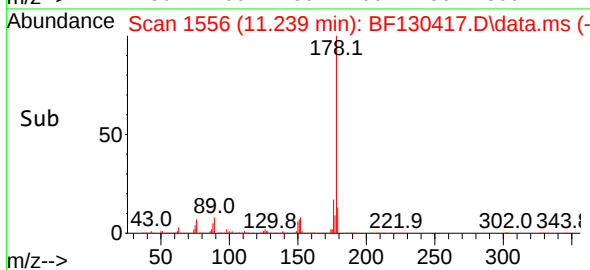
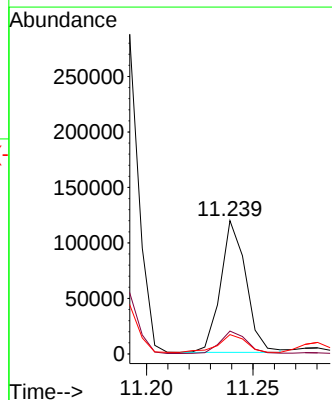
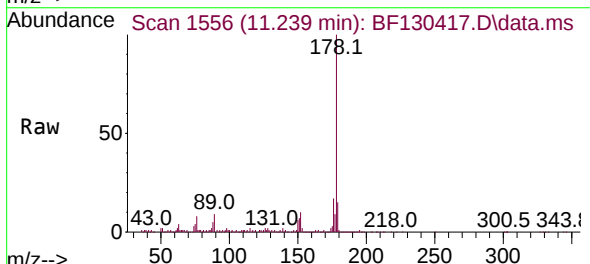
Manual Integrations
APPROVED

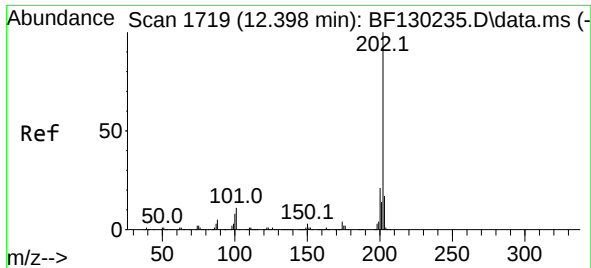
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022



#72
Anthracene
Concen: 10.199 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

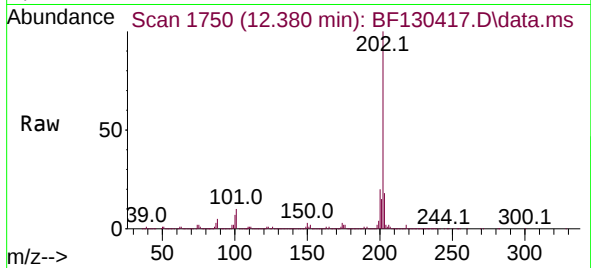
Tgt Ion:178 Resp: 98632
Ion Ratio Lower Upper
178 100
176 17.2 15.0 22.6
179 14.5 12.7 19.1





#75
Fluoranthene
Concen: 56.483 ng
RT: 12.380 min Scan# 1719
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

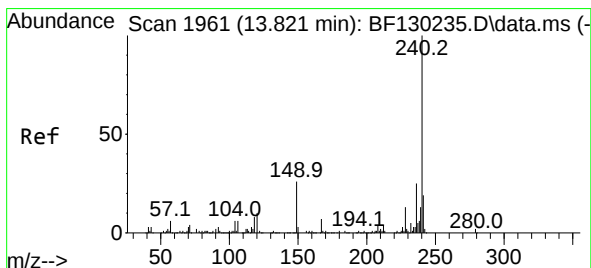
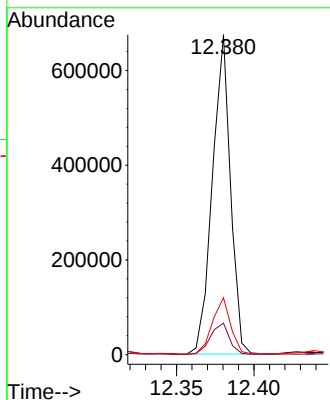
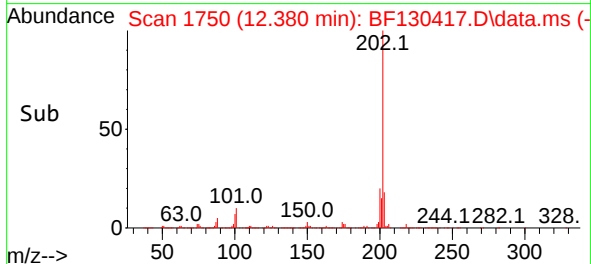
Instrument :
BNA_F
ClientSampleId :
TP1-0923



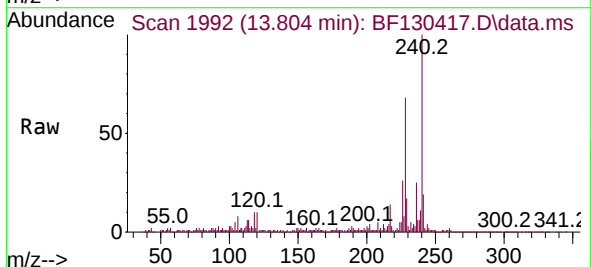
Tgt Ion:202 Resp: 546929
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.8
203 17.8 0.0 37.8

Manual Integrations
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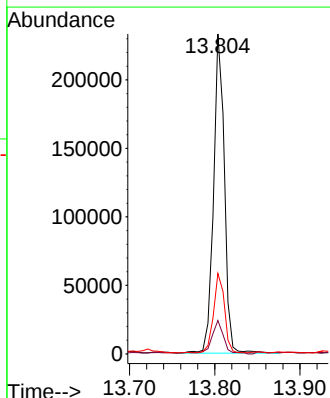
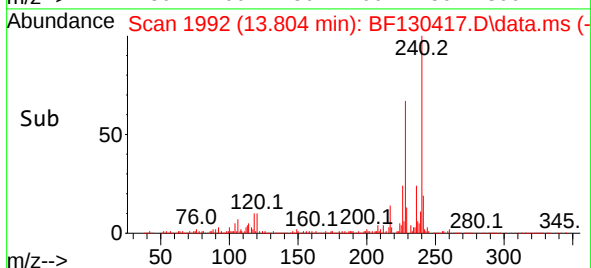
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022

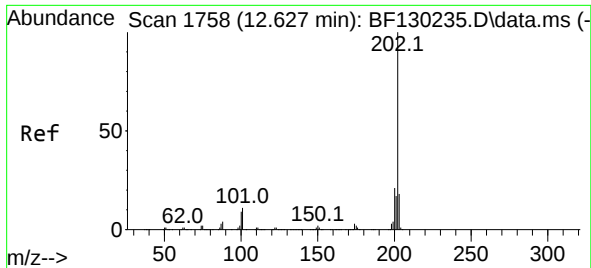


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.804 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20



Tgt Ion:240 Resp: 205932
Ion Ratio Lower Upper
240 100
120 10.4 8.7 13.1
236 25.1 20.9 31.3





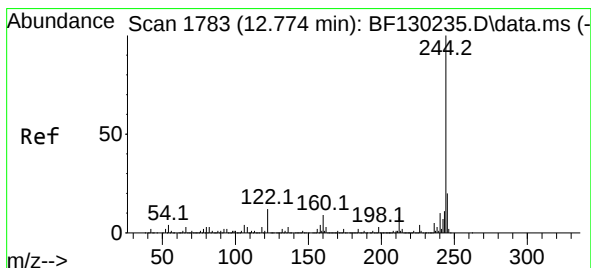
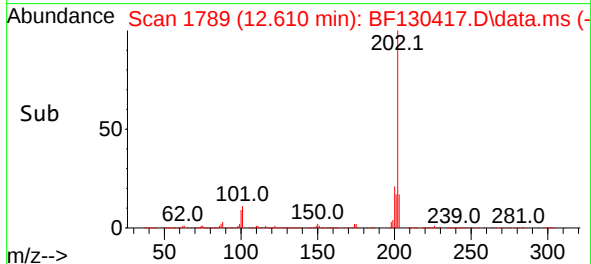
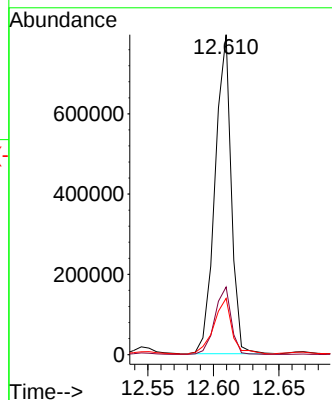
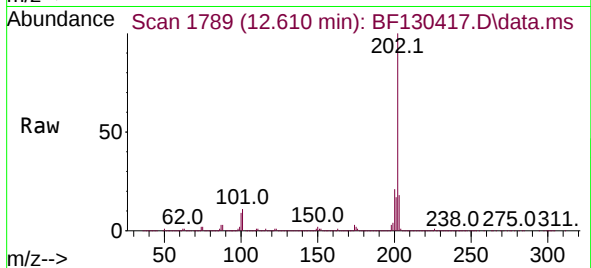
#78
Pyrene
Concen: 37.916 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Instrument :
BNA_F
ClientSampleId :
TP1-0923

Tgt Ion:202 Resp: 68306
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 17.6 14.3 21.5

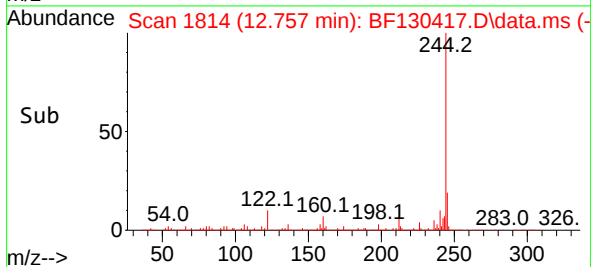
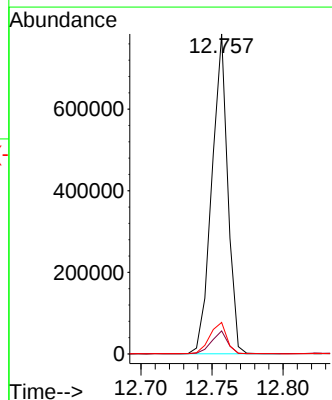
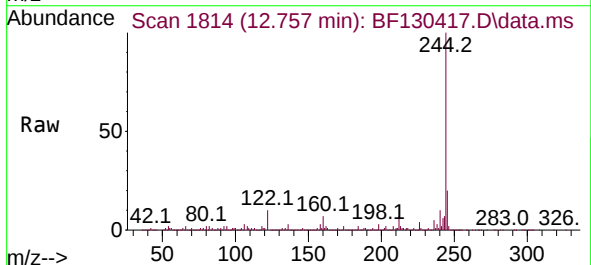
Manual Integrations
APPROVED

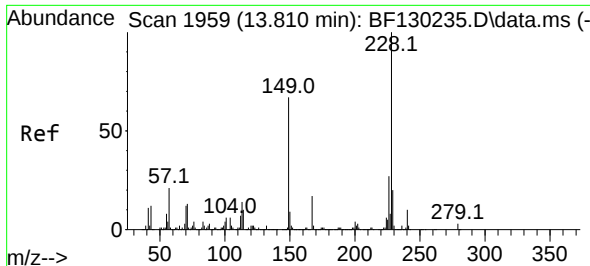
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022



#79
Terphenyl-d14
Concen: 49.156 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion:244 Resp: 611095
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 9.8 8.5 12.7





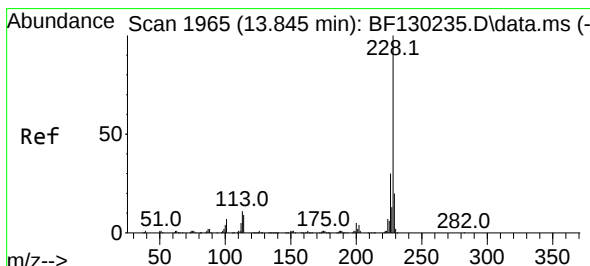
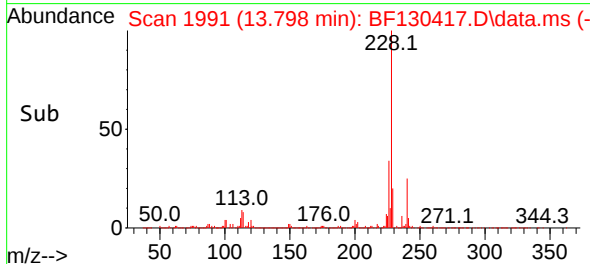
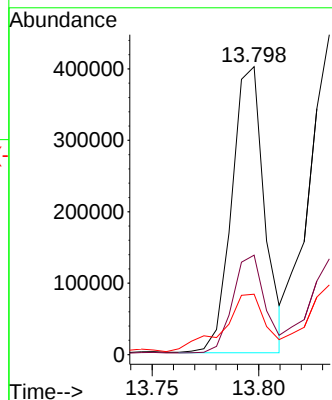
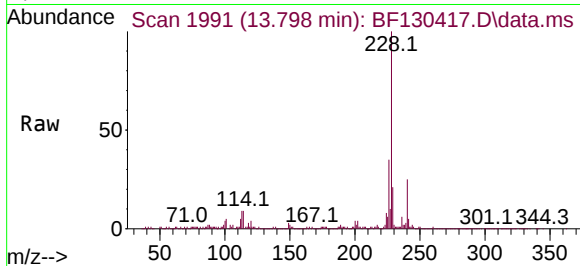
#81
Benzo(a)anthracene
Concen: 31.291 ng m
RT: 13.798 min Scan# 1959
Delta R.T. 0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Instrument :
BNA_F
ClientSampleId :
TP1-0923

Tgt Ion:228 Resp: 428672
Ion Ratio Lower Upper
228 100
226 34.5 21.9 32.9
229 21.0 16.1 24.1

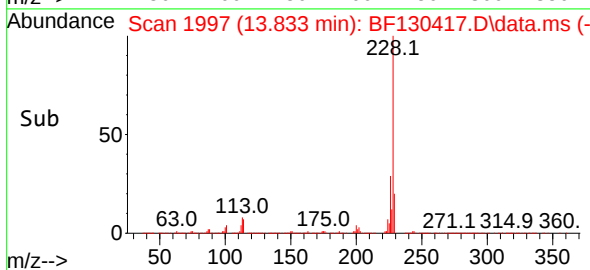
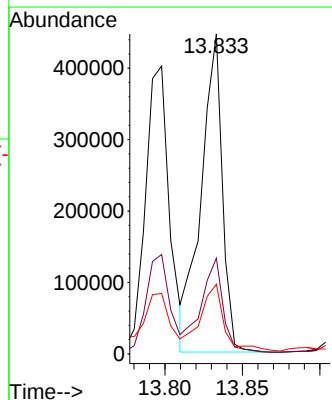
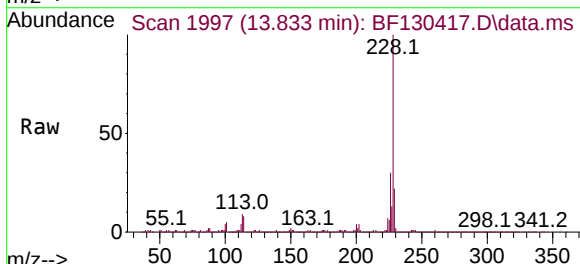
Manual Integrations
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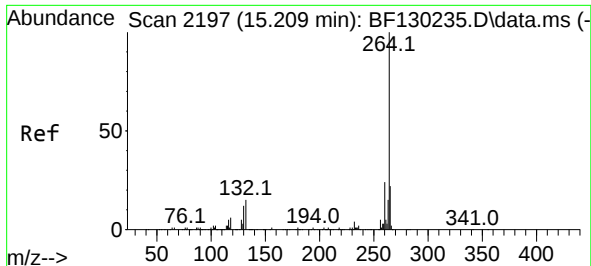
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022



#83
Chrysene
Concen: 32.629 ng
RT: 13.833 min Scan# 1997
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

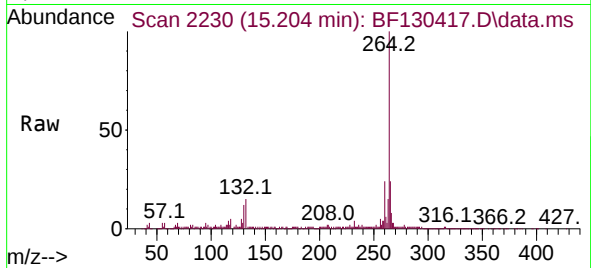
Tgt Ion:228 Resp: 424425
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 21.8 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.204 min Scan# 2197
Delta R.T. 0.012 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

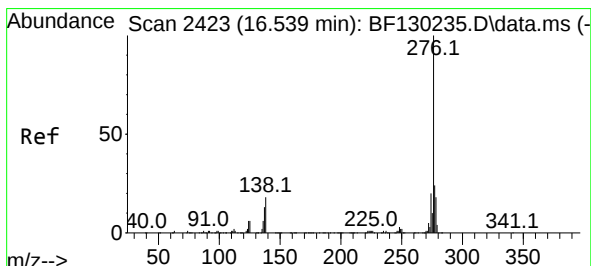
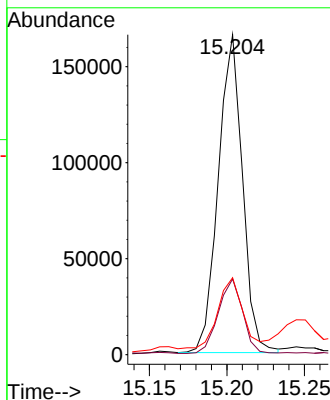
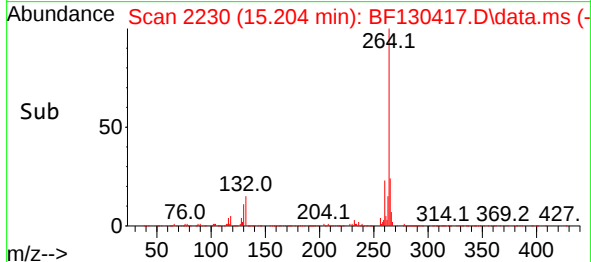
Instrument :
BNA_F
ClientSampleId :
TP1-0923



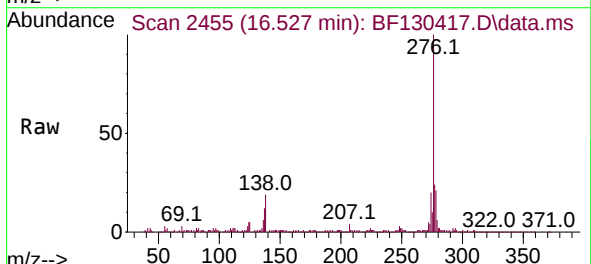
Tgt Ion:264 Resp: 180230
Ion Ratio Lower Upper
264 100
260 23.6 19.3 28.9
265 24.0 17.0 25.4

Manual Integrations
APPROVED

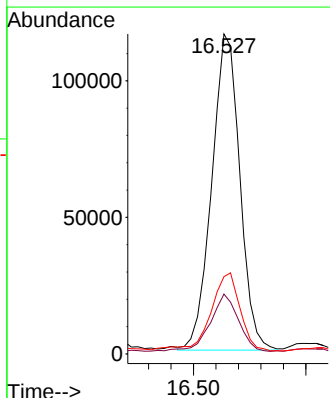
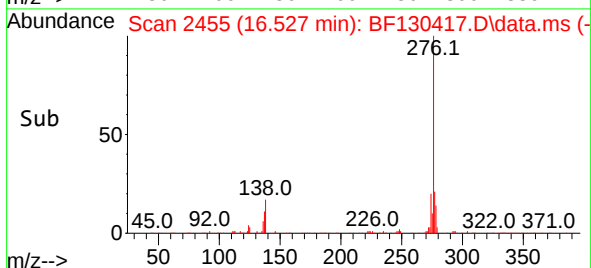
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022

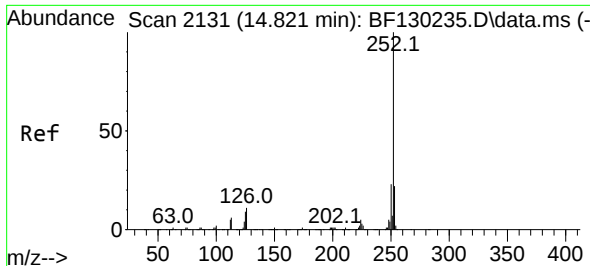


#87
Indeno(1,2,3-cd)pyrene
Concen: 15.755 ng m
RT: 16.527 min Scan# 2455
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20



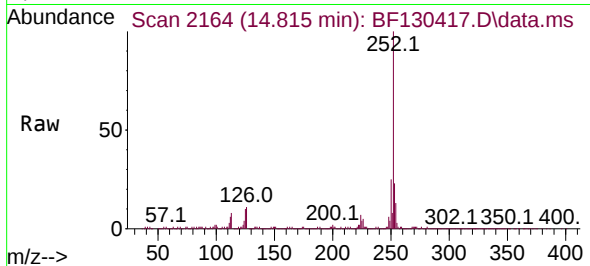
Tgt Ion:276 Resp: 201360
Ion Ratio Lower Upper
276 100
138 3.7 18.5 27.7#
277 5.6 20.2 30.4#





#88
Benzo(b)fluoranthene
Concen: 47.329 ng m
RT: 14.815 min Scan# 2164
Delta R.T. 0.012 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

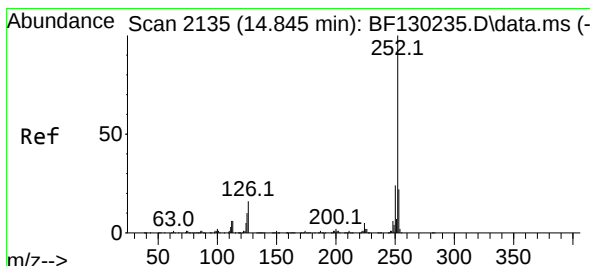
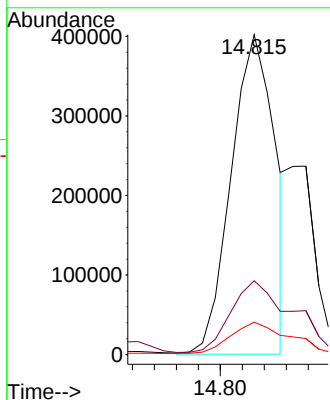
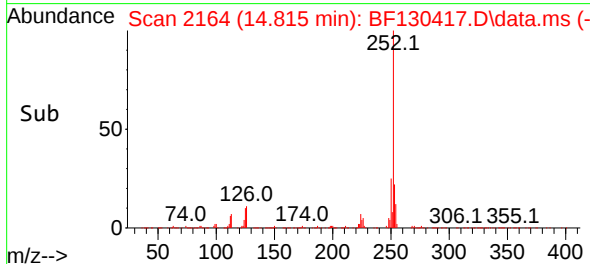
Instrument :
BNA_F
ClientSampleId :
TP1-0923



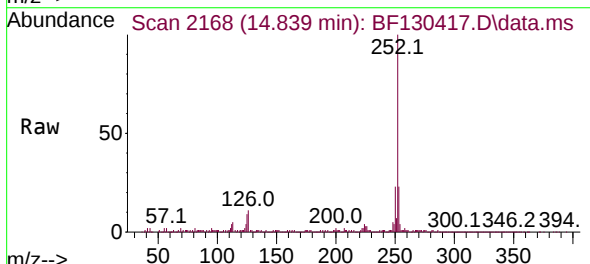
Tgt Ion:252 Resp: 556762
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 10.1 8.1 12.1

Manual Integrations
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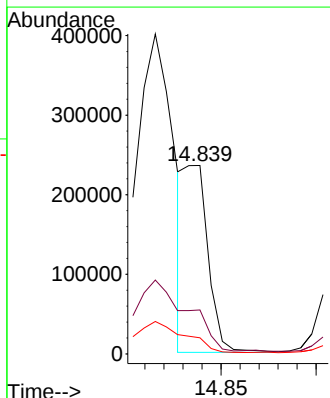
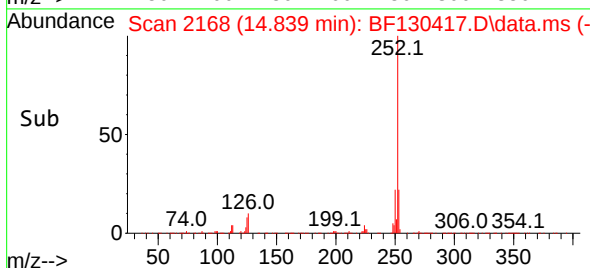
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022

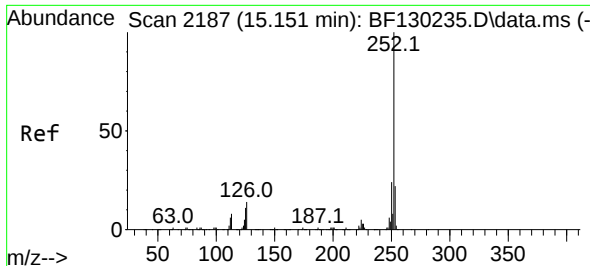


#89
Benzo(k)fluoranthene
Concen: 17.615 ng m
RT: 14.839 min Scan# 2168
Delta R.T. 0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20



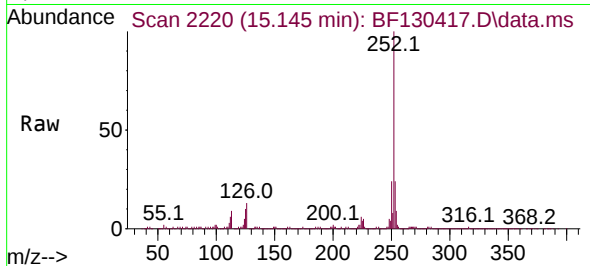
Tgt Ion:252 Resp: 203832
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 8.5 7.9 11.9





#90
Benzo(a)pyrene
Concen: 42.842 ng
RT: 15.145 min Scan# 2187
Delta R.T. 0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

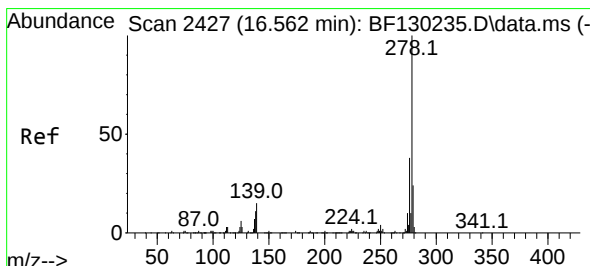
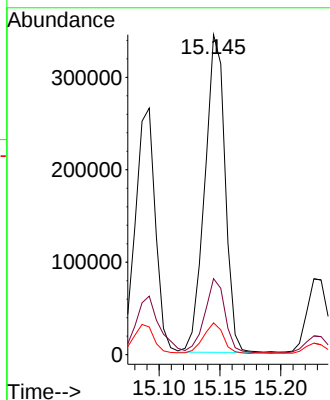
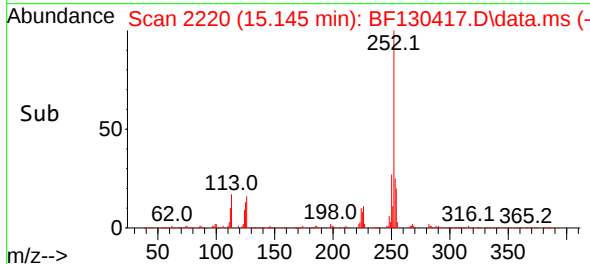
Instrument :
BNA_F
ClientSampleId :
TP1-0923



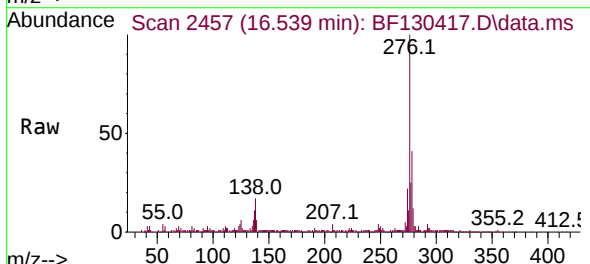
Tgt Ion:252 Resp: 399264
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 9.9 9.0 13.6

Manual Integrations
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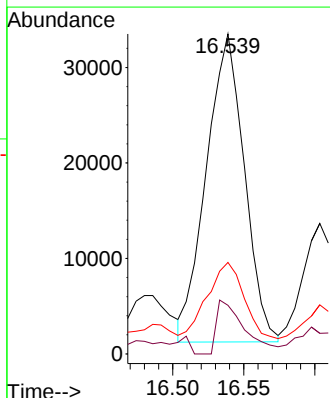
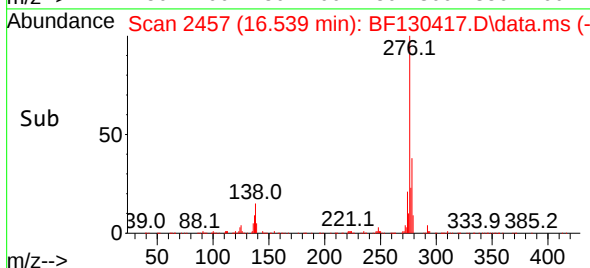
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022

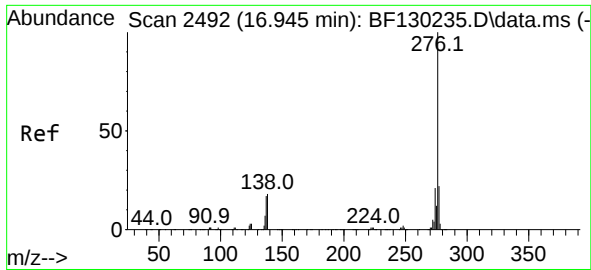


#91
Dibenzo(a,h)anthracene
Concen: 5.738 ng
RT: 16.539 min Scan# 2457
Delta R.T. -0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20



Tgt Ion:278 Resp: 60159
Ion Ratio Lower Upper
278 100
139 15.2 11.8 17.8
279 28.6 19.4 29.0





#92

Benzo(g,h,i)perylene

Concen: 18.078 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.000 min

Lab File: BF130417.D

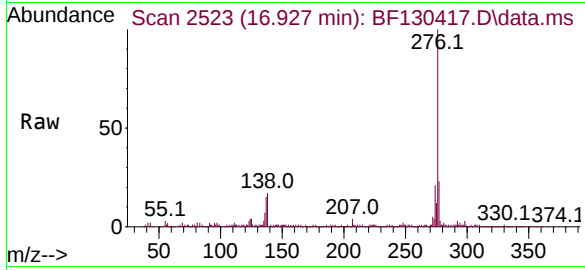
Acq: 26 Sep 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP1-0923



Tgt Ion:276 Resp: 190942

Ion Ratio Lower Upper

276 100

277 23.5 18.6 27.8

138 17.1 14.6 21.8

Manual Integrations

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Reviewed By :Christian Giraldo 09/27/2022

Supervised By :Jagrut Upadhyay 09/27/2022

