

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092622\
 Data File : BF130416.D
 Acq On : 26 Sep 2022 19:45
 Operator : CG\JU
 Sample : N4809-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-0923

Manual Integrations
 APPROVED

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

Quant Time: Sep 27 01:08:01 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	62196	20.000	ng	0.00
21) Naphthalene-d8	7.934	136	204905	20.000	ng	# 0.00
39) Acenaphthene-d10	9.692	164	105334	20.000	ng	0.00
64) Phenanthrene-d10	11.198	188	164225	20.000	ng	# 0.03
76) Chrysene-d12	13.827	240	187760	20.000	ng	0.02
86) Perylene-d12	15.210	264	164926	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.257	112	438020	122.151	ng	0.01
7) Phenol-d6	6.298	99	477970	106.529	ng	0.00
23) Nitrobenzene-d5	7.216	82	277680	69.233	ng	0.00
42) 2,4,6-Tribromophenol	10.492	330	123248	122.112	ng	0.01
45) 2-Fluorobiphenyl	9.010	172	439866	60.809	ng	0.00
79) Terphenyl-d14	12.786	244	609620	53.783	ng	0.03
Target Compounds						Qvalue
49) Acenaphthylene	9.551	152	52076	5.458	ng	# 60
71) Phenanthrene	11.222	178	158061	17.143	ng	# 51
72) Anthracene	11.275	178	51293	5.765	ng	# 21
75) Fluoranthene	12.422	202	414230	46.493	ng	92
78) Pyrene	12.645	202	422530	25.724	ng	# 96
81) Benzo(a)anthracene	13.816	228	338036	27.063	ng	92
83) Chrysene	13.851	228	280277m	23.632	ng	
87) Indeno(1,2,3-cd)pyrene	16.527	276	153997m	13.167	ng	
88) Benzo(b)fluoranthene	14.821	252	423985m	39.387	ng	
89) Benzo(k)fluoranthene	14.839	252	159124m	15.027	ng	
90) Benzo(a)pyrene	15.151	252	307352	36.040	ng	97
91) Dibenzo(a,h)anthracene	16.539	278	43419	4.525	ng	# 88
92) Benzo(g,h,i)perylene	16.927	276	134821	13.949	ng	98

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

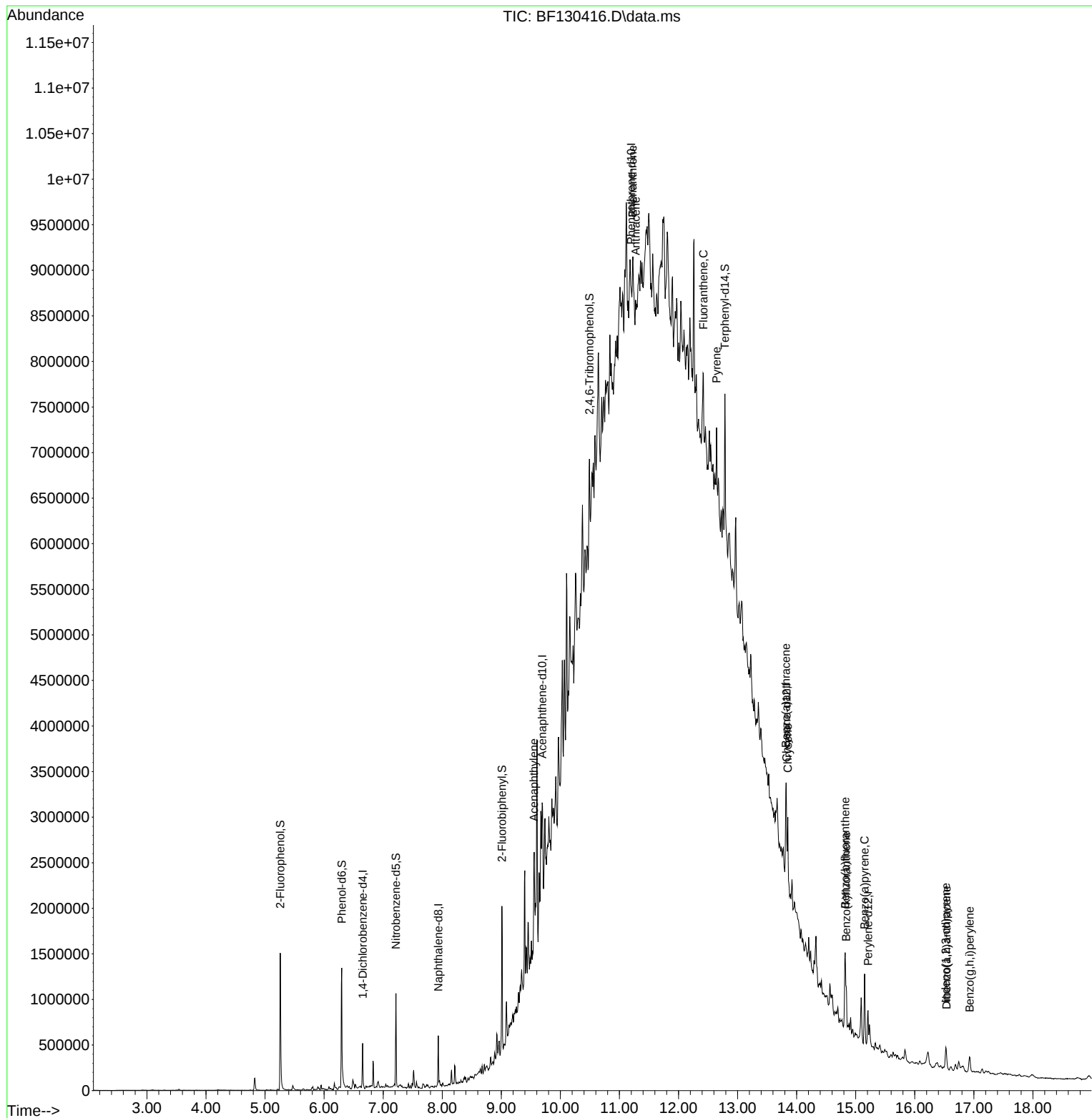
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092622\
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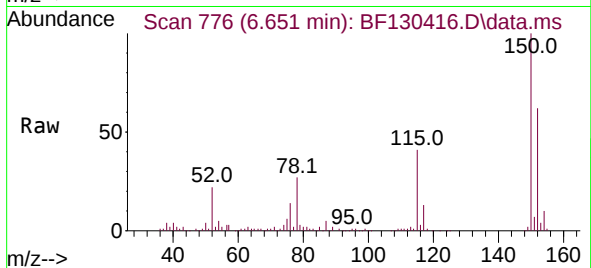
Reviewed By : Christian Giraldo 09/27/2022
Supervised By : Jagrut Upadhyay 09/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.651 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

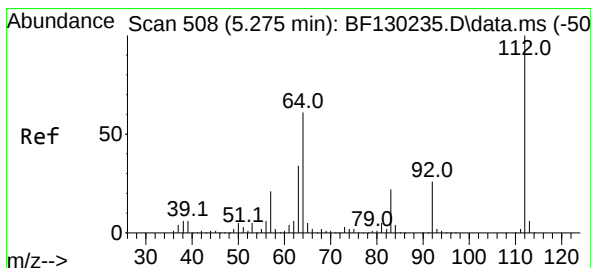
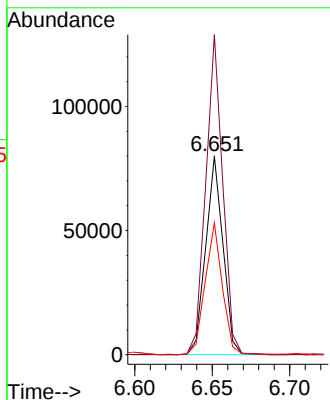
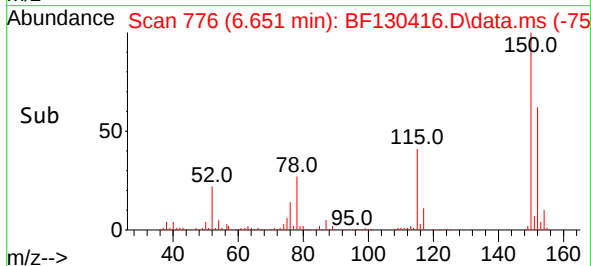
Instrument :
BNA_F
ClientSampleId :
TP2-0923



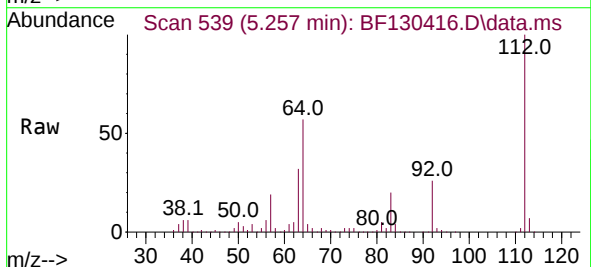
Tgt Ion:152 Resp: 62196
Ion Ratio Lower Upper
152 100
150 161.0 122.8 184.2
115 66.3 53.8 80.8

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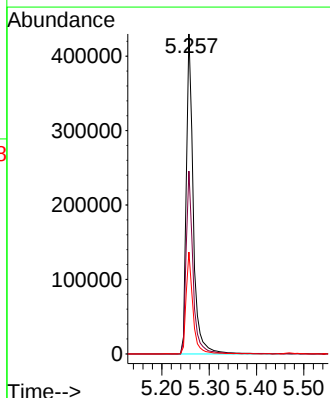
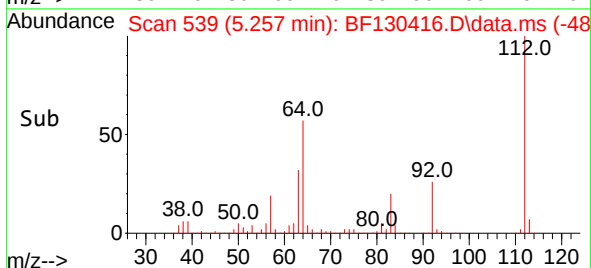
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022

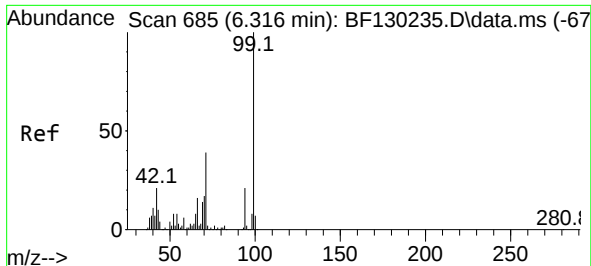


#5
2-Fluorophenol
Concen: 122.151 ng
RT: 5.257 min Scan# 539
Delta R.T. 0.012 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45



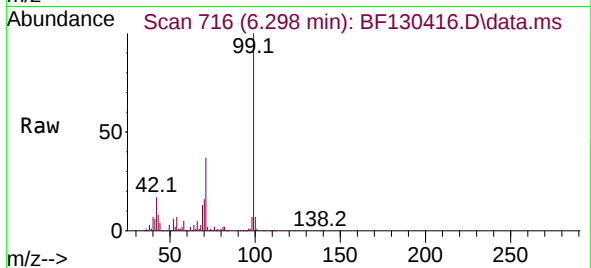
Tgt Ion:112 Resp: 438020
Ion Ratio Lower Upper
112 100
64 57.1 51.4 77.0
63 31.8 28.8 43.2





#7
Phenol-d6
Concen: 106.529 ng
RT: 6.298 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

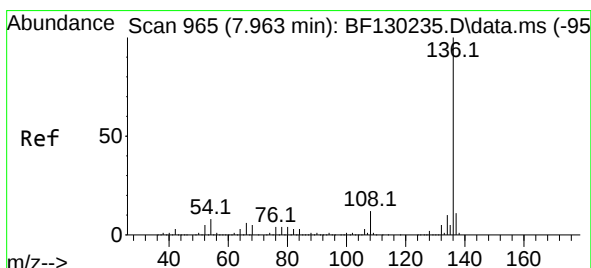
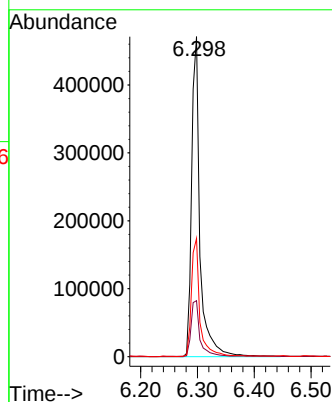
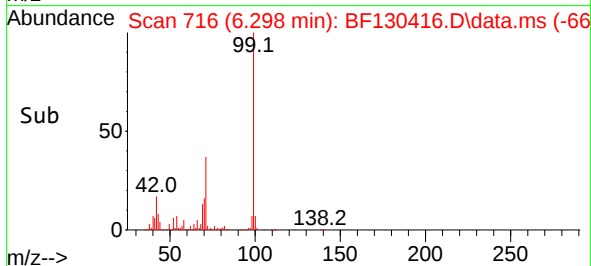
Instrument :
BNA_F
ClientSampleId :
TP2-0923



Tgt Ion: 99 Resp: 477970
Ion Ratio Lower Upper
99 100
42 17.5 17.0 25.6
71 36.9 32.3 48.5

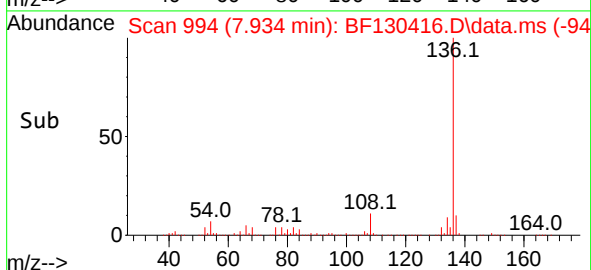
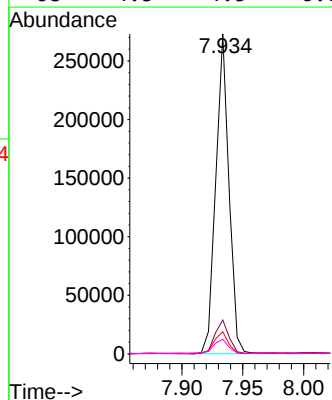
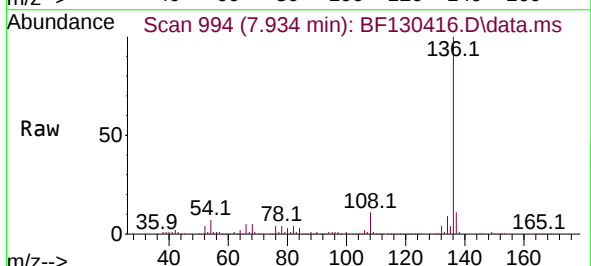
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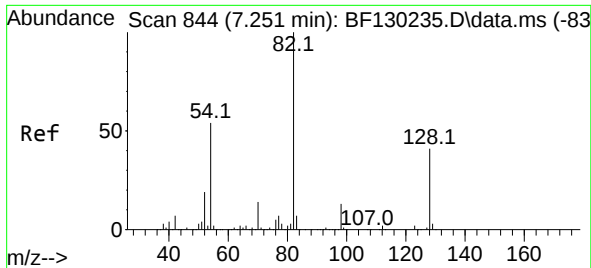
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

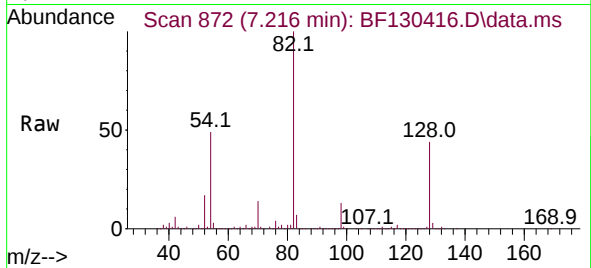
Tgt Ion:136 Resp: 204905
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 6.9 7.1 10.7#
68 4.5 4.5 6.7





#23
Nitrobenzene-d5
Concen: 69.233 ng
RT: 7.216 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

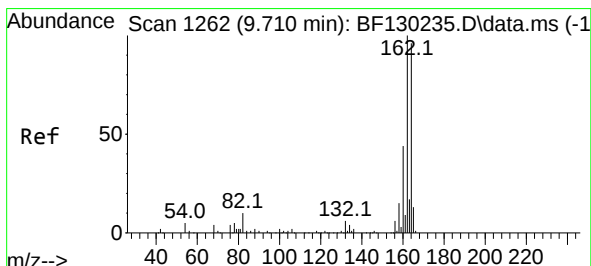
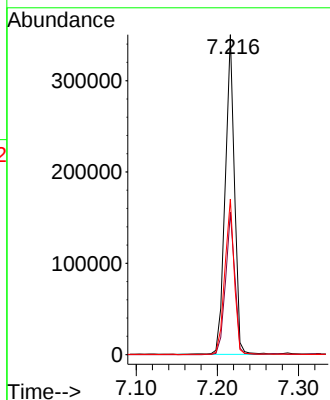
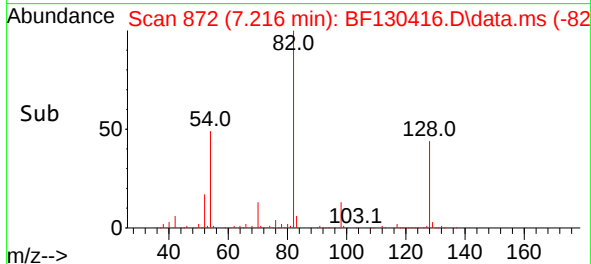
Instrument :
BNA_F
ClientSampleId :
TP2-0923



Tgt Ion: 82 Resp: 277680
Ion Ratio Lower Upper
82 100
128 44.4 32.6 49.0
54 48.6 43.8 65.6

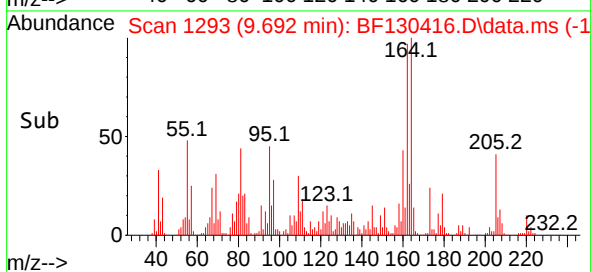
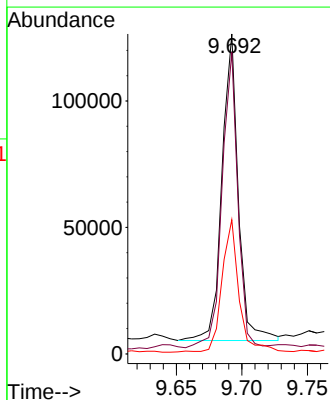
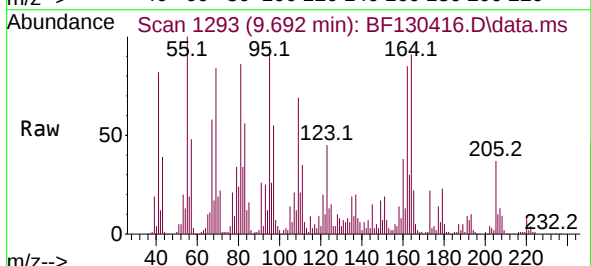
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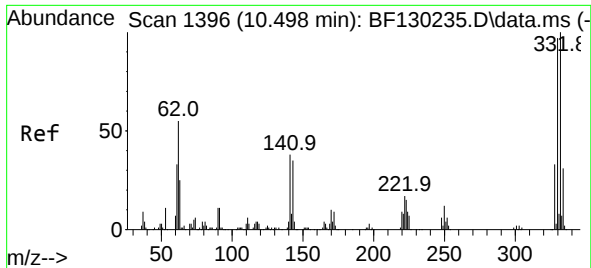
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.692 min Scan# 1293
Delta R.T. 0.006 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

Tgt Ion:164 Resp: 105334
Ion Ratio Lower Upper
164 100
162 94.2 81.4 122.0
160 41.9 36.2 54.4





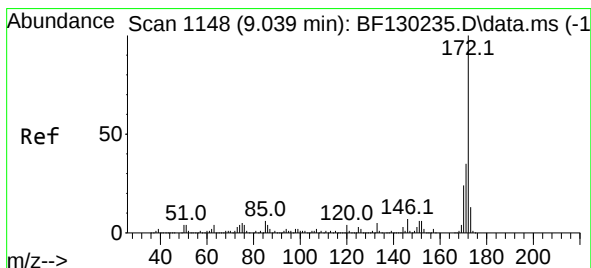
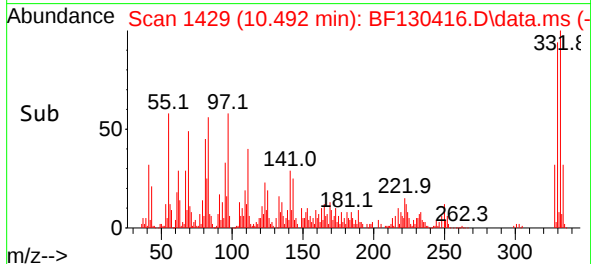
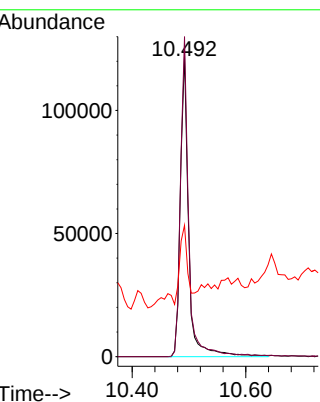
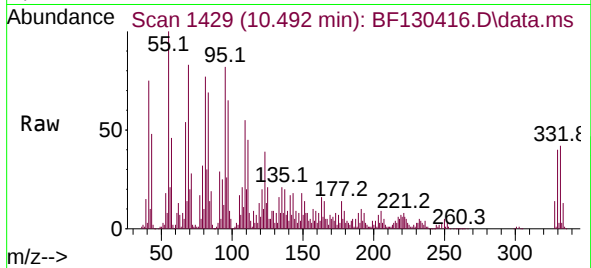
#42
2,4,6-Tribromophenol
Concen: 122.112 ng
RT: 10.492 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

Instrument :
BNA_F
ClientSampleId :
TP2-0923

Tgt Ion: 330 Resp: 123248
Ion Ratio Lower Upper
330 100
332 103.8 83.4 125.2
141 24.9 34.0 51.0

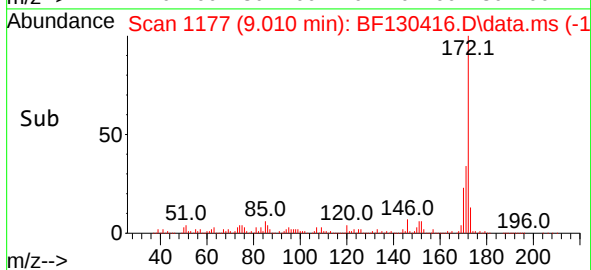
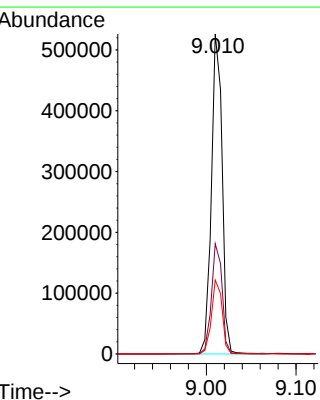
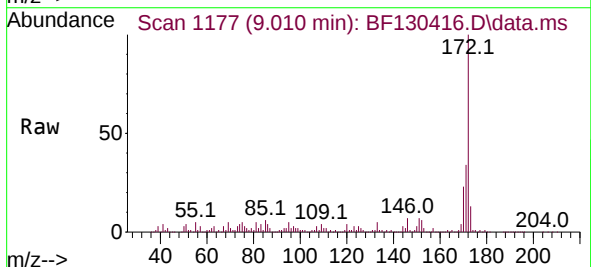
Manual Integrations
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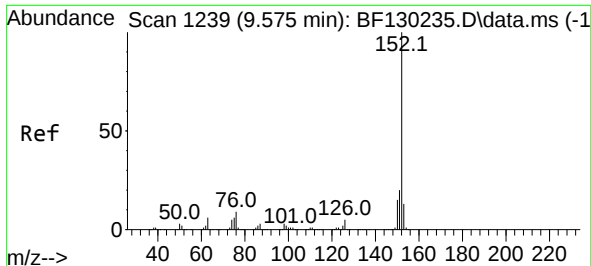
Reviewed By : Christian Giraldo 09/27/2022
Supervised By : Jagrut Upadhyay 09/27/2022



#45
2-Fluorobiphenyl
Concen: 60.809 ng
RT: 9.010 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

Tgt Ion: 172 Resp: 439866
Ion Ratio Lower Upper
172 100
171 34.4 28.3 42.5
170 23.1 18.7 28.1





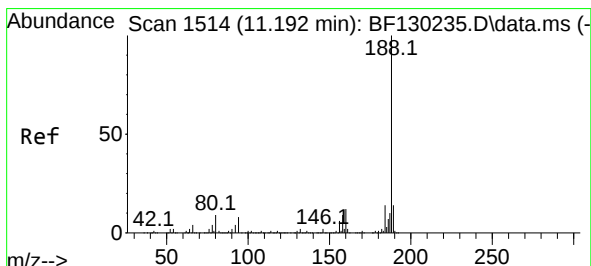
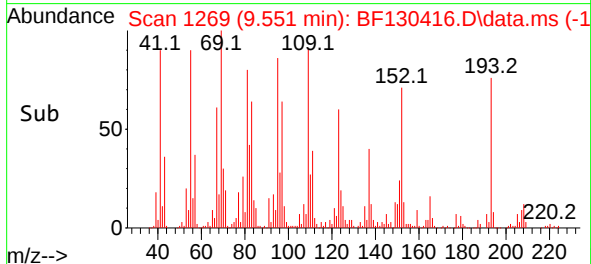
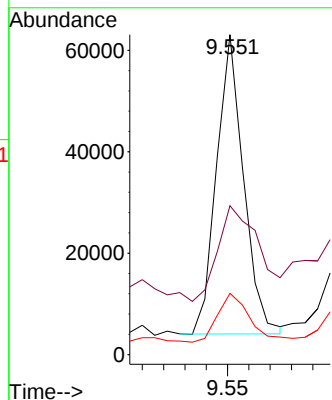
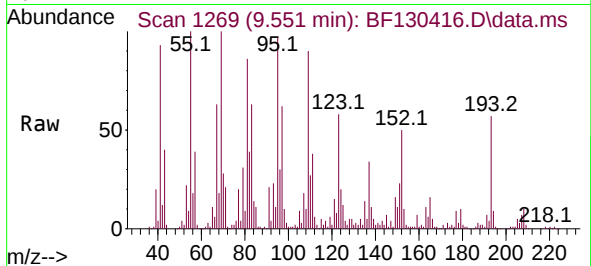
#49
Acenaphthylene
Concen: 5.458 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.000 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

Instrument :
BNA_F
ClientSampleId :
TP2-0923

Tgt Ion:152 Resp: 52076
Ion Ratio Lower Upper
152 100
151 46.5 16.2 24.2#
153 19.1 10.6 15.8#

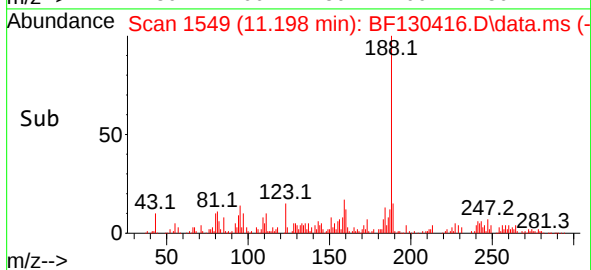
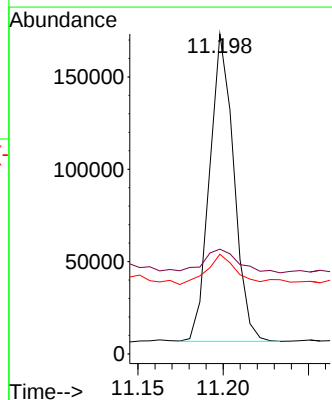
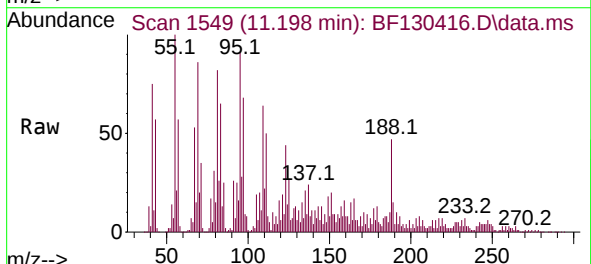
Manual Integrations
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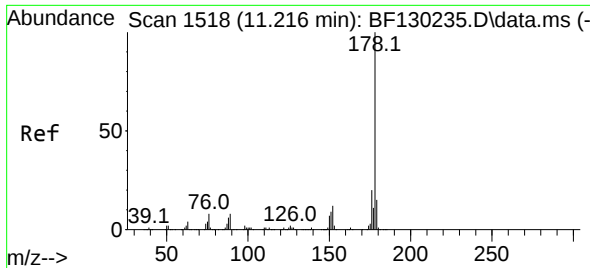
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.198 min Scan# 1549
Delta R.T. 0.029 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

Tgt Ion:188 Resp: 164225
Ion Ratio Lower Upper
188 100
94 32.7 7.4 11.2#
80 31.1 7.9 11.9#





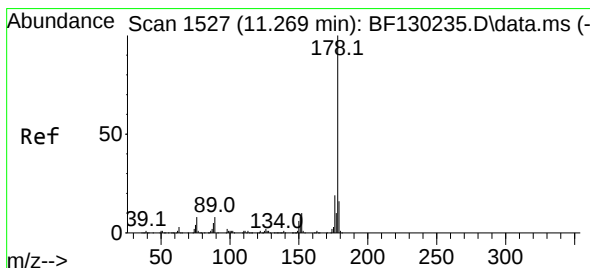
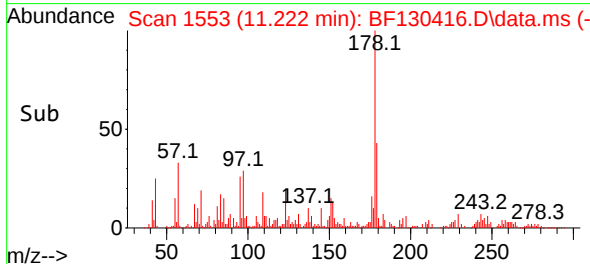
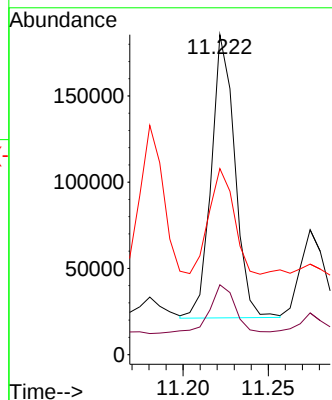
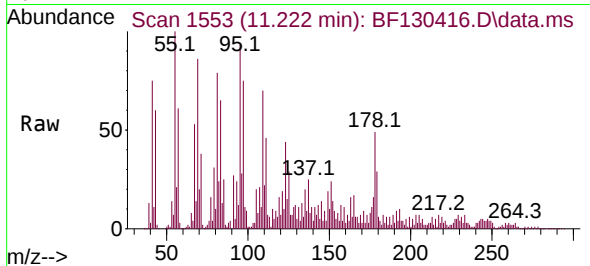
#71
Phenanthrene
Concen: 17.143 ng
RT: 11.222 min Scan# 1553
Delta R.T. 0.023 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

Instrument :
BNA_F
ClientSampleId :
TP2-0923

Tgt Ion:178 Resp: 158063
Ion Ratio Lower Upper
178 100
176 21.8 15.4 23.0
179 58.1 12.4 18.6

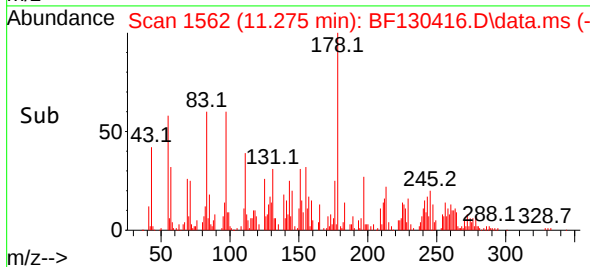
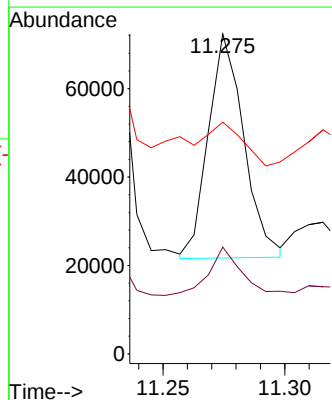
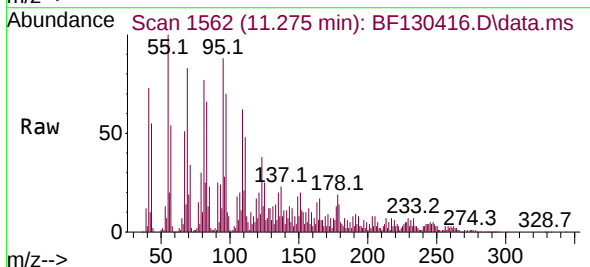
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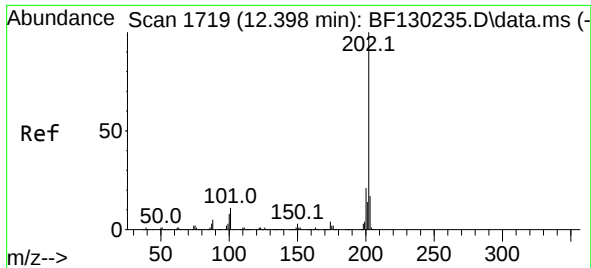
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022



#72
Anthracene
Concen: 5.765 ng
RT: 11.275 min Scan# 1562
Delta R.T. 0.029 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

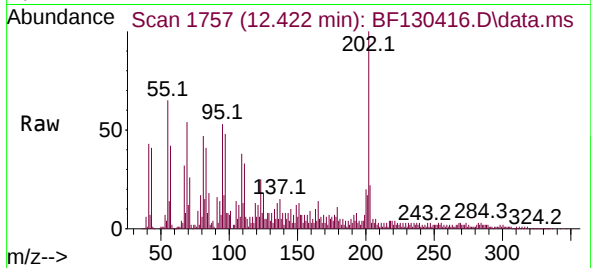
Tgt Ion:178 Resp: 51293
Ion Ratio Lower Upper
178 100
176 33.4 15.0 22.6#
179 72.4 12.7 19.1#





#75
Fluoranthene
Concen: 46.493 ng
RT: 12.422 min Scan# 1757
Delta R.T. 0.041 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

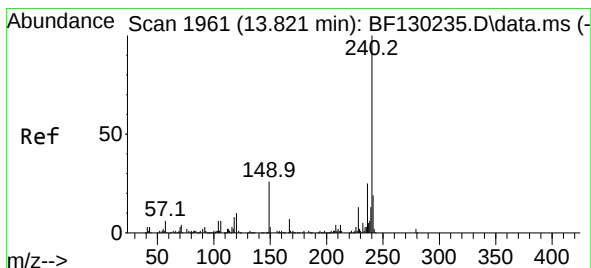
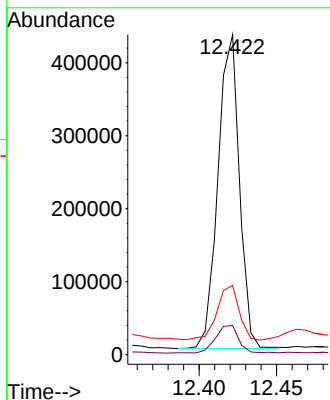
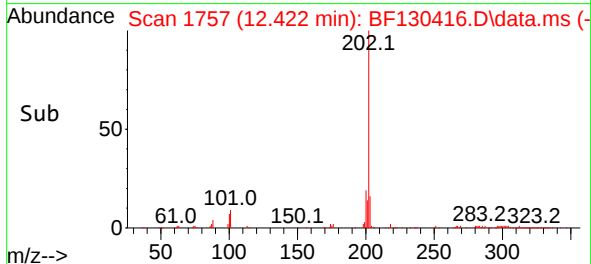
Instrument :
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TP2-0923



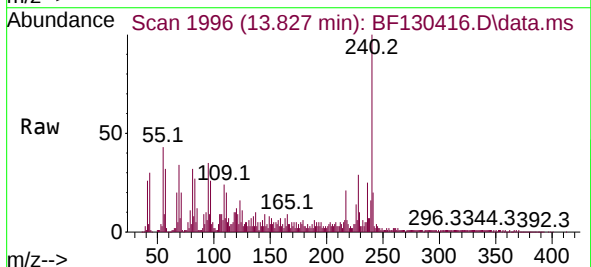
Tgt Ion:202 Resp: 414230
Ion Ratio Lower Upper
202 100
101 9.1 0.0 31.8
203 21.6 0.0 37.8

Manual Integrations
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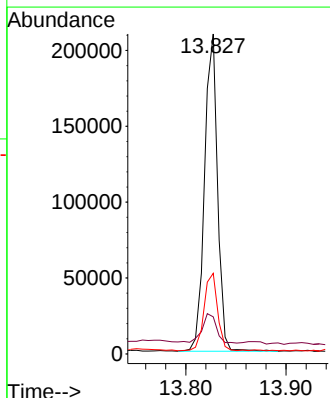
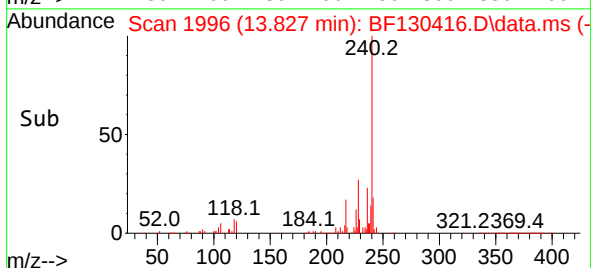
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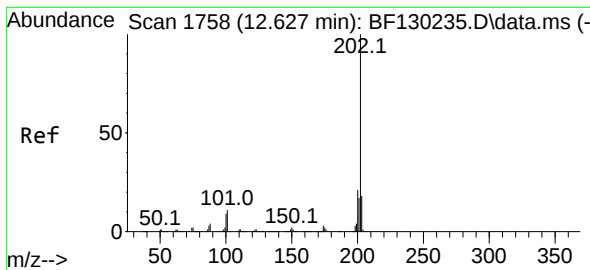


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.827 min Scan# 1996
Delta R.T. 0.023 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45



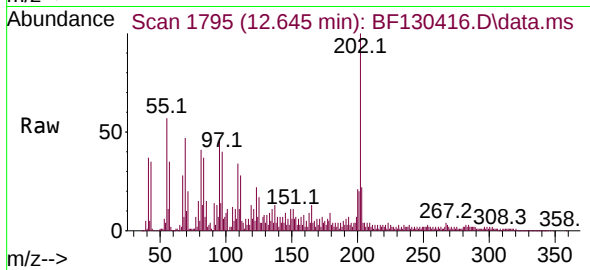
Tgt Ion:240 Resp: 187760
Ion Ratio Lower Upper
240 100
120 11.6 8.7 13.1
236 25.2 20.9 31.3





#78
Pyrene
Concen: 25.724 ng
RT: 12.645 min Scan# 1819
Delta R.T. 0.035 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

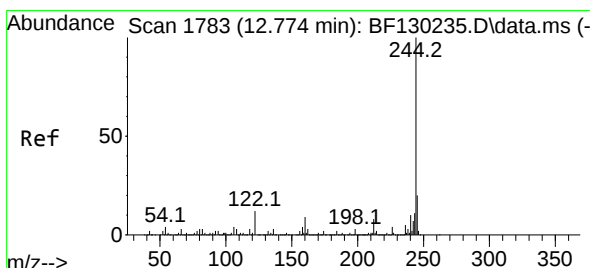
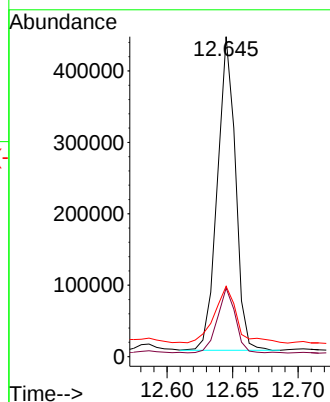
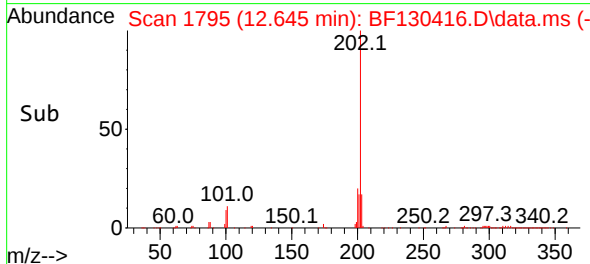
Instrument :
BNA_F
ClientSampleId :
TP2-0923



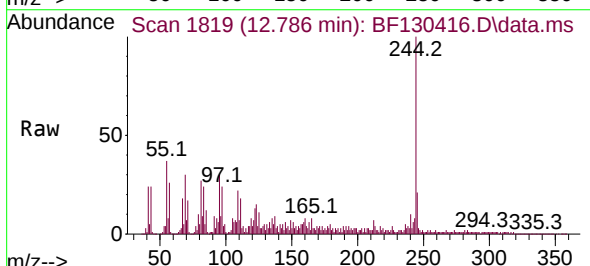
Tgt Ion:202 Resp: 422530
Ion Ratio Lower Upper
202 100
200 21.4 17.2 25.8
203 22.0 14.3 21.5

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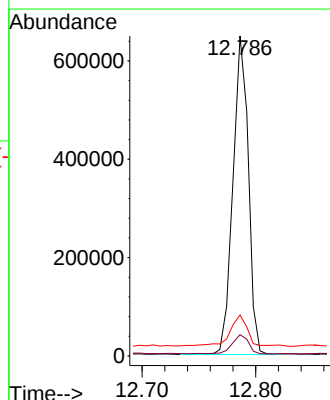
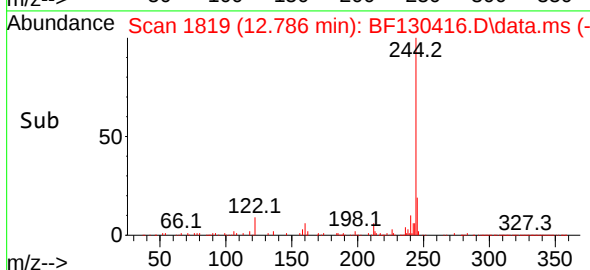
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022

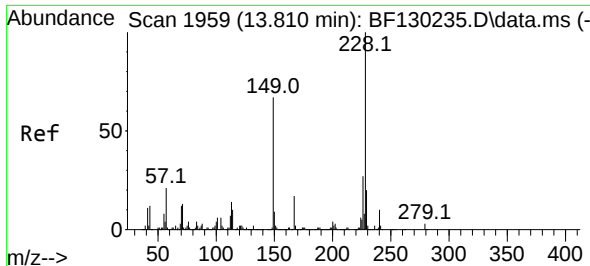


#79
Terphenyl-d14
Concen: 53.783 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.029 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45



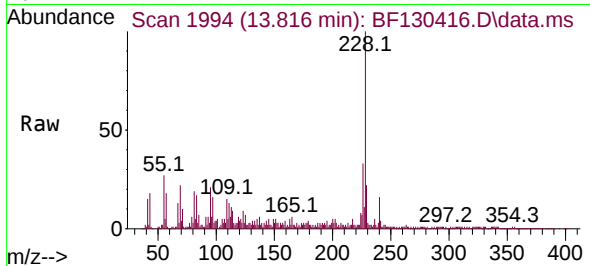
Tgt Ion:244 Resp: 609620
Ion Ratio Lower Upper
244 100
212 6.6 5.9 8.9
122 12.8 8.5 12.7





#81
Benzo(a)anthracene
Concen: 27.063 ng
RT: 13.816 min Scan# 1959
Delta R.T. 0.023 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

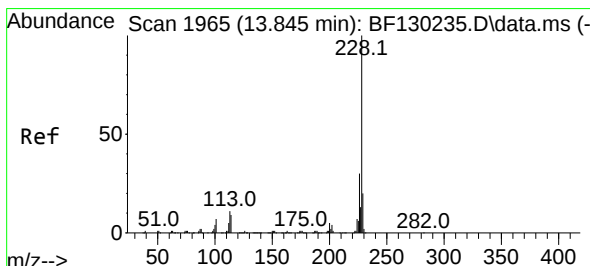
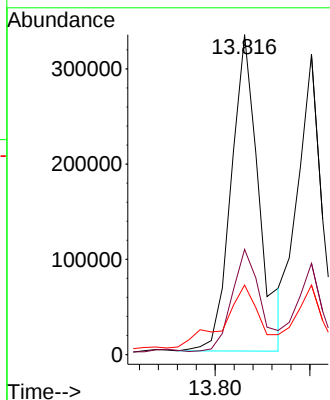
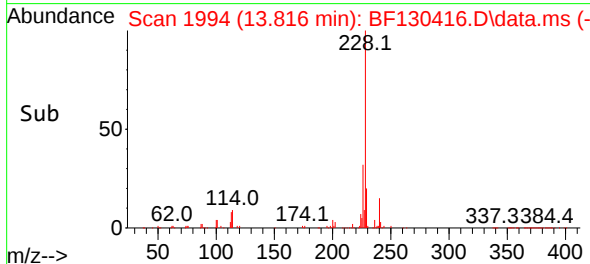
Instrument :
BNA_F
ClientSampleId :
TP2-0923



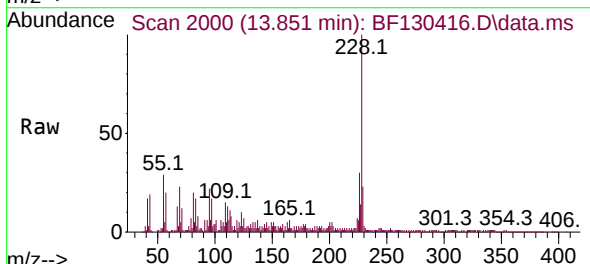
Tgt Ion:228 Resp: 338036
Ion Ratio Lower Upper
228 100
226 32.9 21.9 32.9
229 21.7 16.1 24.1

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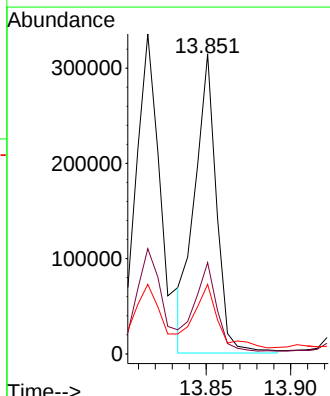
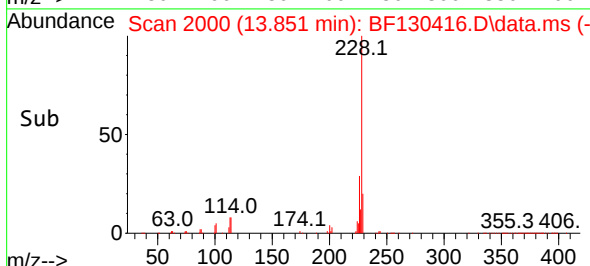
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022

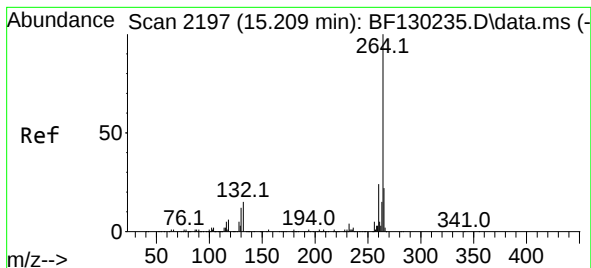


#83
Chrysene
Concen: 23.632 ng m
RT: 13.851 min Scan# 2000
Delta R.T. 0.018 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45



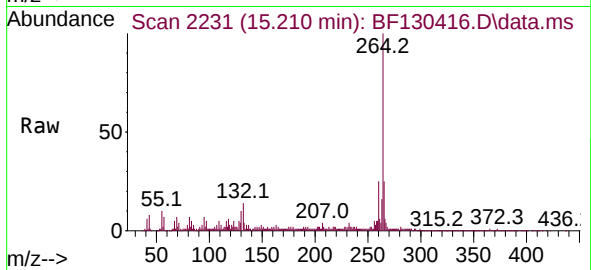
Tgt Ion:228 Resp: 280277
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.8
229 23.2 15.3 22.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.210 min Scan# 2197
Delta R.T. 0.018 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

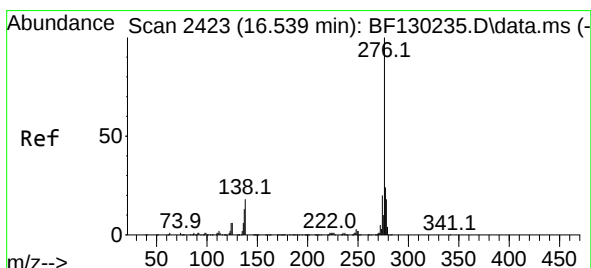
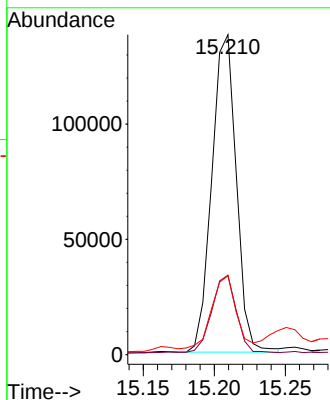
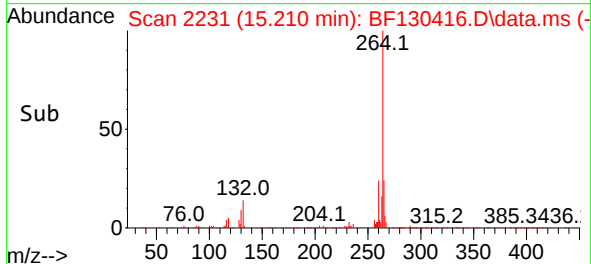
Instrument :
BNA_F
ClientSampleId :
TP2-0923



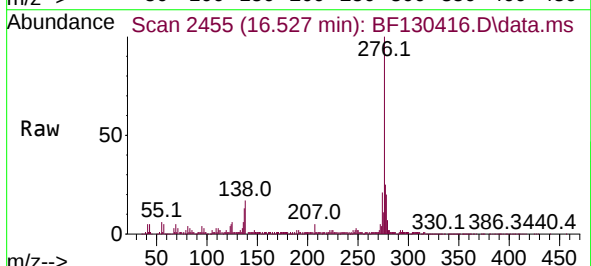
Tgt Ion:264 Resp: 164926
Ion Ratio Lower Upper
264 100
260 24.9 19.3 28.9
265 24.6 17.0 25.4

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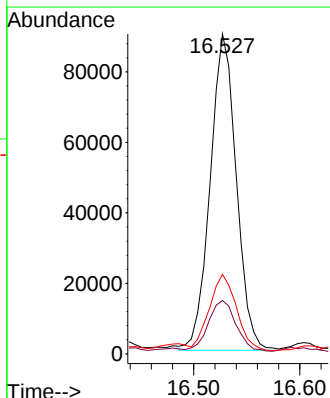
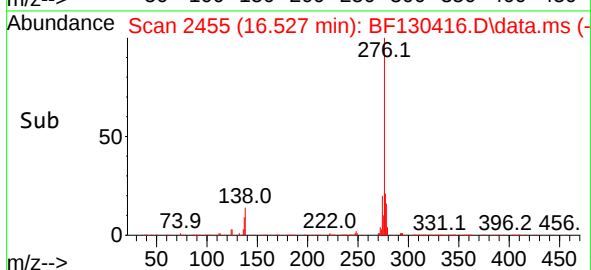
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022

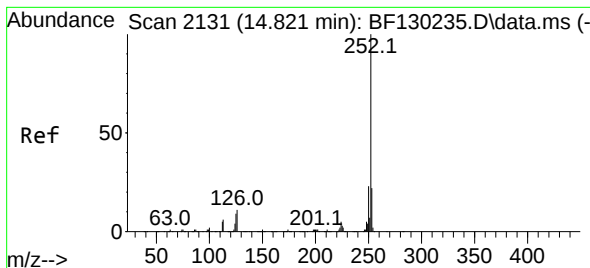


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.167 ng m
RT: 16.527 min Scan# 2455
Delta R.T. -0.000 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45



Tgt Ion:276 Resp: 153997
Ion Ratio Lower Upper
276 100
138 4.0 18.5 27.7#
277 4.9 20.2 30.4#





#88

Benzo(b)fluoranthene

Concen: 39.387 ng m

RT: 14.821 min Scan# 2131

Delta R.T. 0.018 min

Lab File: BF130416.D

Acq: 26 Sep 2022 19:45

Instrument :

BNA_F

ClientSampleId :

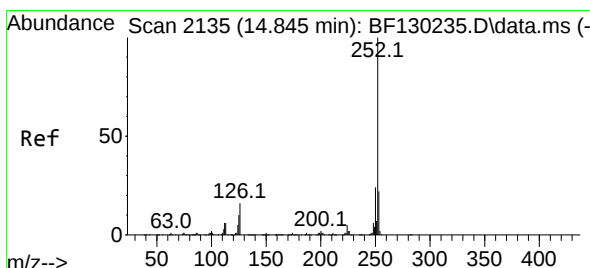
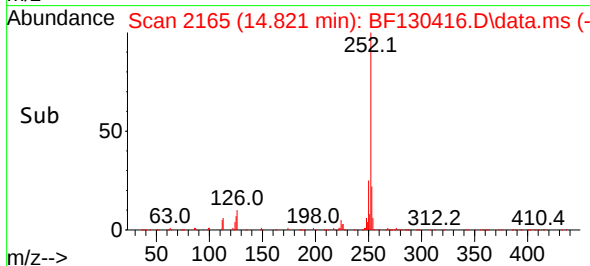
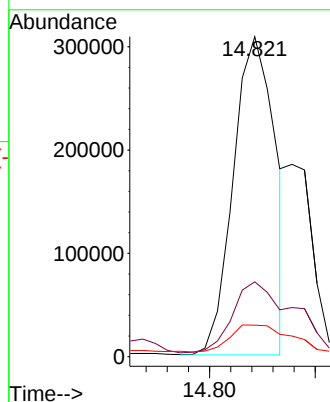
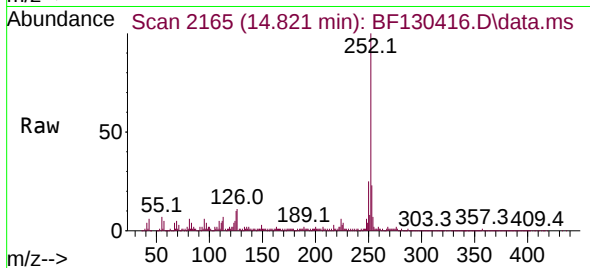
TP2-0923

Tgt Ion:252 Resp: 423985
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.7 26.5
 125 9.8 8.1 12.1

Manual Integrations

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 Supervised By :Jagrut Upadhyay 09/27/2022



#89

Benzo(k)fluoranthene

Concen: 15.027 ng m

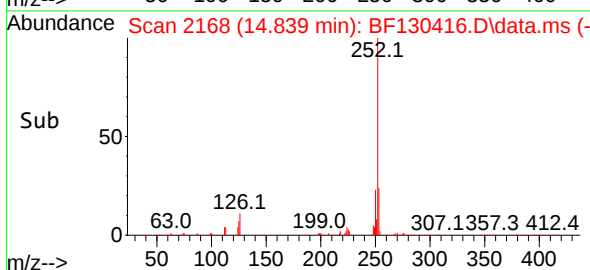
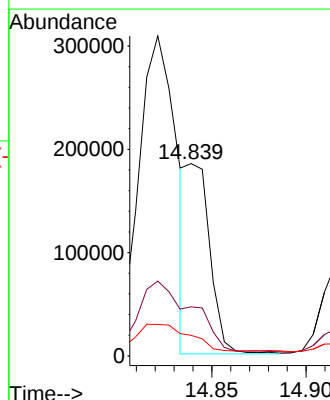
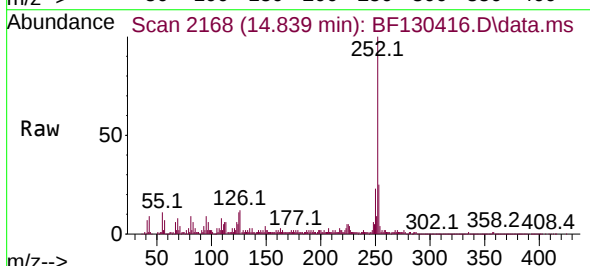
RT: 14.839 min Scan# 2168

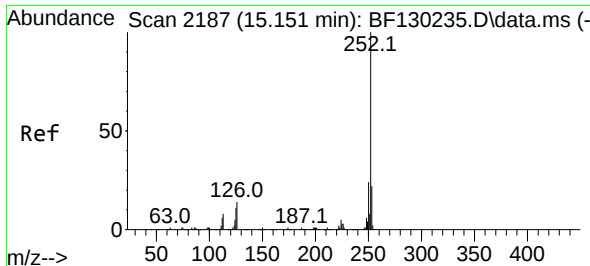
Delta R.T. 0.006 min

Lab File: BF130416.D

Acq: 26 Sep 2022 19:45

Tgt Ion:252 Resp: 159124
 Ion Ratio Lower Upper
 252 100
 253 25.5 17.4 26.2
 125 10.7 7.9 11.9





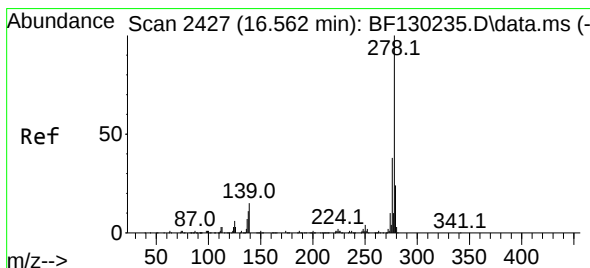
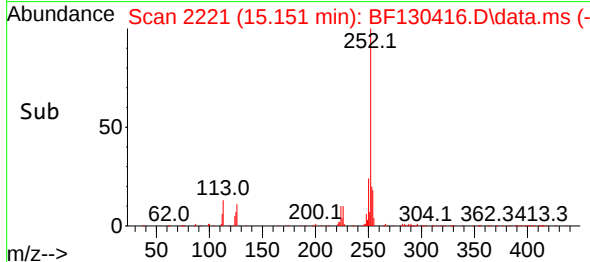
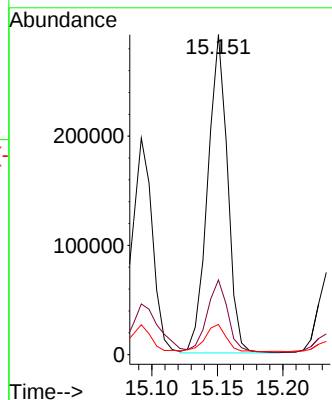
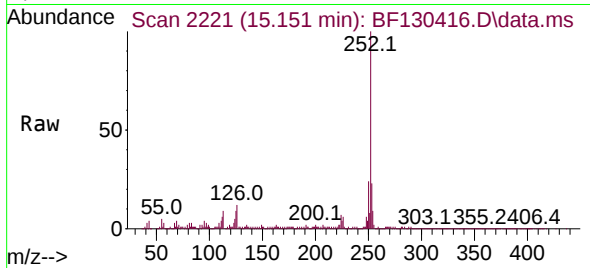
#90
Benzo(a)pyrene
Concen: 36.040 ng
RT: 15.151 min Scan# 2187
Delta R.T. 0.012 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

Instrument :
BNA_F
ClientSampleId :
TP2-0923

Tgt Ion:252 Resp: 307352
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 9.4 9.0 13.6

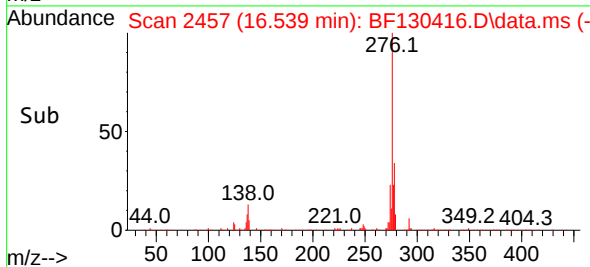
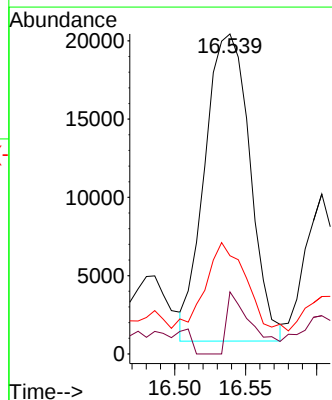
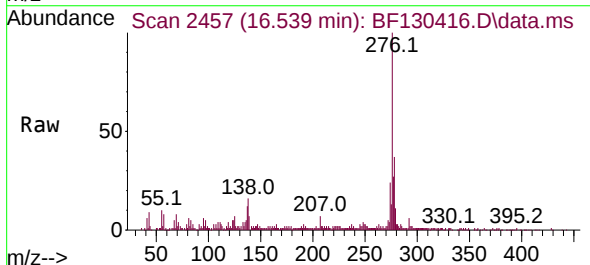
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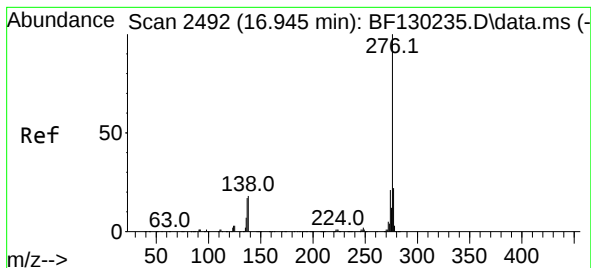
Reviewed By :Christian Giraldo 09/27/2022
Supervised By :Jagrut Upadhyay 09/27/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.525 ng
RT: 16.539 min Scan# 2457
Delta R.T. -0.006 min
Lab File: BF130416.D
Acq: 26 Sep 2022 19:45

Tgt Ion:278 Resp: 43419
Ion Ratio Lower Upper
278 100
139 19.4 11.8 17.8#
279 30.7 19.4 29.0#





#92

Benzo(g,h,i)perylene

Concen: 13.949 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.000 min

Lab File: BF130416.D

Acq: 26 Sep 2022 19:45

Instrument :

BNA_F

ClientSampleId :

TP2-0923

Tgt Ion:276 Resp: 13482

Ion Ratio Lower Upper

276 100

277 22.0 18.6 27.8

138 17.4 14.6 21.8

Manual Integrations

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Reviewed By :Christian Giraldo 09/27/2022

Supervised By :Jagrut Upadhyay 09/27/2022

