

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
 Data File : BF130436.D
 Acq On : 27 Sep 2022 21:31
 Operator : CG\JU
 Sample : N4789-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB20515

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/28/2022
 Supervised By : Jagrut Upadhyay 09/28/2022

Quant Time: Sep 28 03:02:26 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	6.646	152	82140	20.000	ng	0.00
21) Naphthalene-d8	7.922	136	285916	20.000	ng	0.00
39) Acenaphthene-d10	9.675	164	132478	20.000	ng	0.00
64) Phenanthrene-d10	11.151	188	225907	20.000	ng	0.00
76) Chrysene-d12	13.786	240	225000	20.000	ng	0.00
86) Perylene-d12	15.180	264	216163	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	496425	104.825	ng	0.00
7) Phenol-d6	6.281	99	583903	98.540	ng	-0.01
23) Nitrobenzene-d5	7.210	82	354246	63.298	ng	0.00
42) 2,4,6-Tribromophenol	10.463	330	146560	115.457	ng	0.00
45) 2-Fluorobiphenyl	9.004	172	562656	61.847	ng	0.00
79) Terphenyl-d14	12.745	244	663424	48.842	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.534	152	26901	2.242	ng	98
71) Phenanthrene	11.175	178	125679	9.909	ng	99
75) Fluoranthene	12.363	202	185077	15.101	ng	97
78) Pyrene	12.592	202	251899	12.798	ng	98
81) Benzo(a)anthracene	13.775	228	120798m	8.070	ng	
83) Chrysene	13.810	228	130368	9.173	ng	96
84) Bis(2-ethylhexyl)phtha...	13.780	149	27522	3.295	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.486	276	55197m	3.601	ng	
88) Benzo(b)fluoranthene	14.786	252	138649m	9.827	ng	
89) Benzo(k)fluoranthene	14.810	252	42912m	3.092	ng	
90) Benzo(a)pyrene	15.116	252	107689	9.634	ng	97
92) Benzo(g,h,i)perylene	16.886	276	58322	4.604	ng	97

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

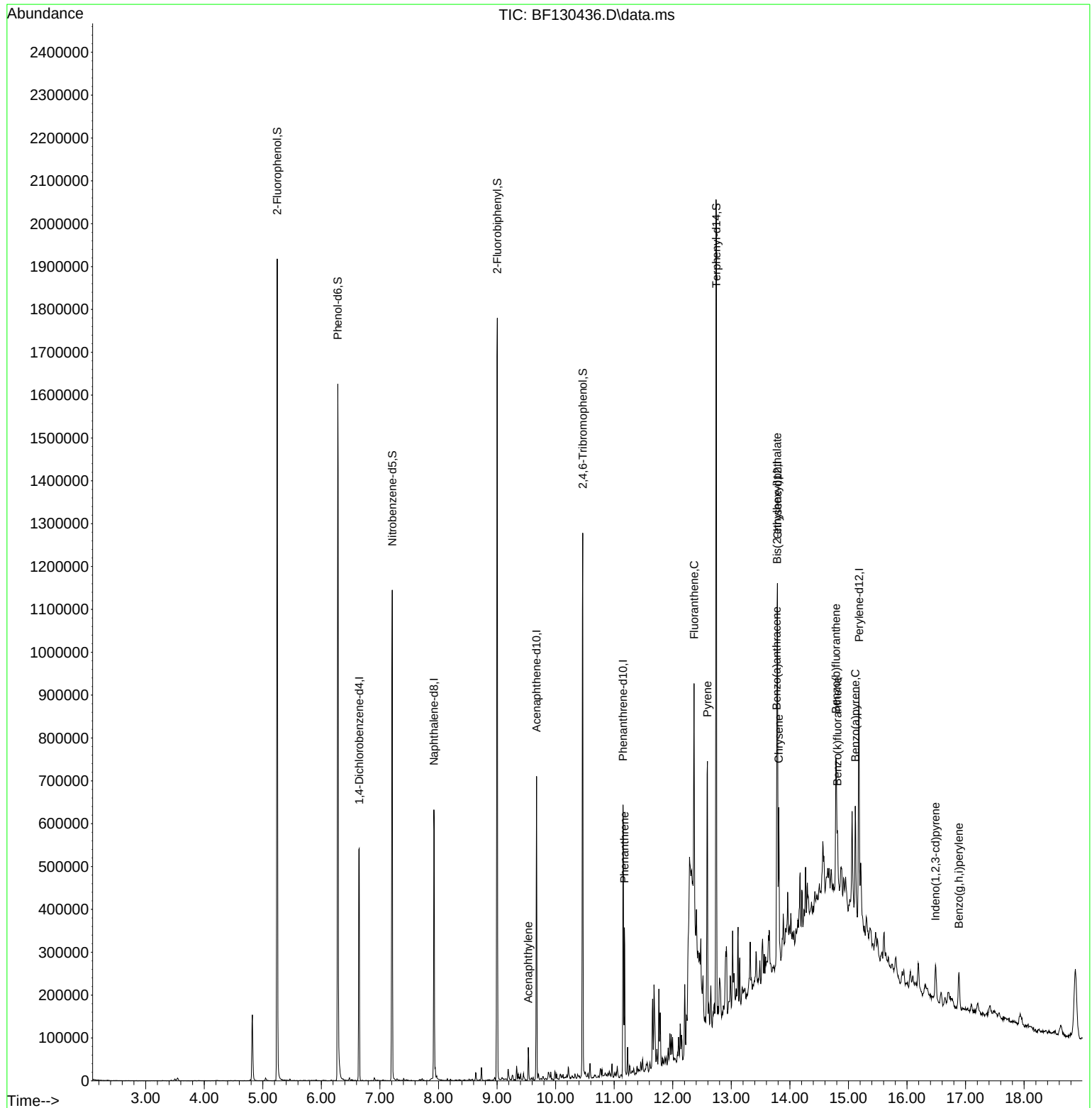
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130436.D
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Operator : CG\JU
Sample : N4789-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

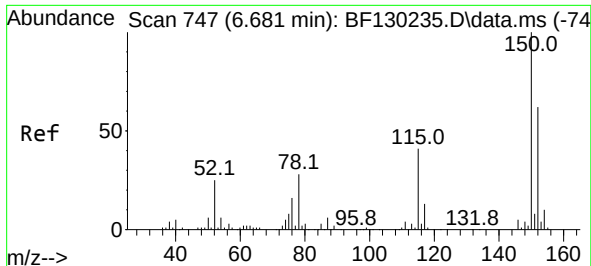
Instrument :
BNA_F
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RB20515

Quant Time: Sep 28 03:02:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
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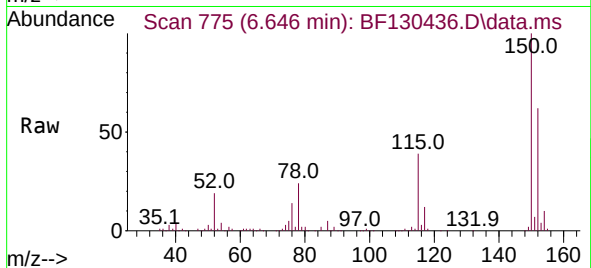
Reviewed By : Christian Giraldo 09/28/2022
Supervised By : Jagrut Upadhyay 09/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.646 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

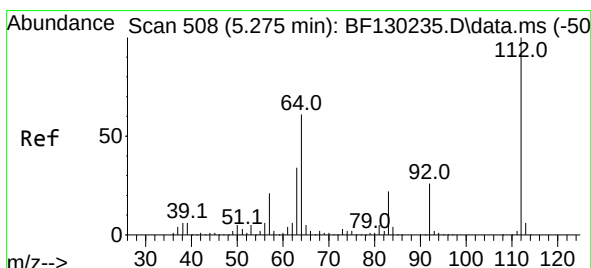
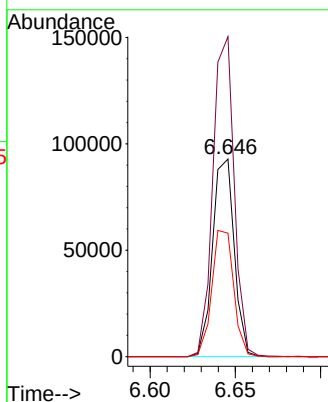
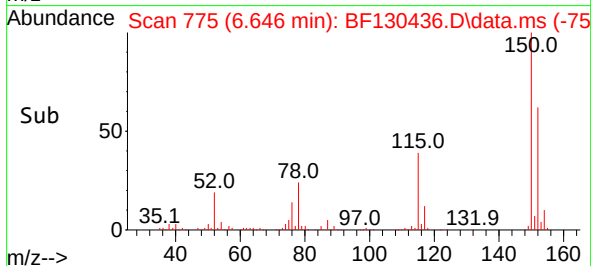
Instrument :
BNA_F
ClientSampleId :
RB20515



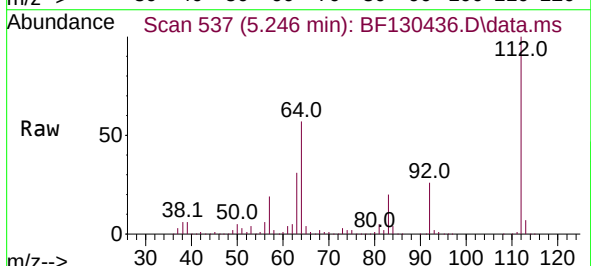
Tgt Ion:152 Resp: 82140
Ion Ratio Lower Upper
152 100
150 162.0 122.8 184.2
115 62.5 53.8 80.8

Manual Integrations
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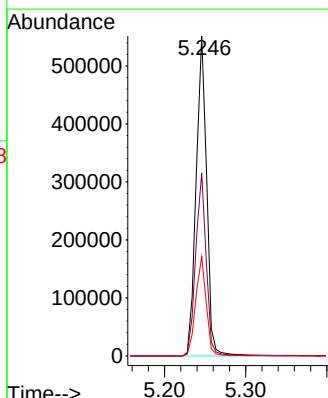
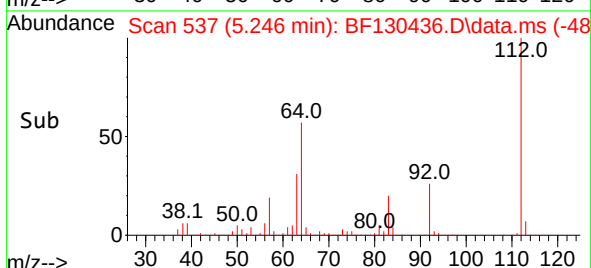
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022

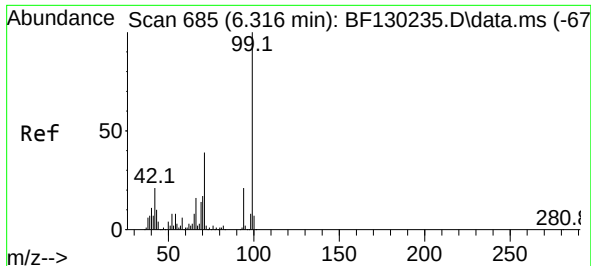


#5
2-Fluorophenol
Concen: 104.825 ng
RT: 5.246 min Scan# 537
Delta R.T. 0.000 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31



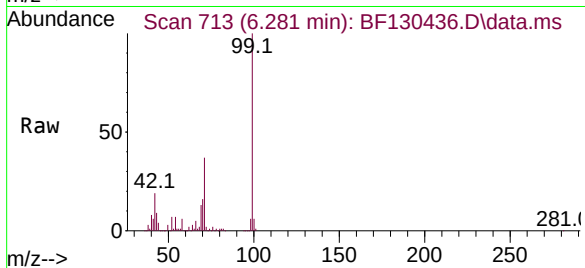
Tgt Ion:112 Resp: 496425
Ion Ratio Lower Upper
112 100
64 57.2 51.4 77.0
63 31.1 28.8 43.2





#7
Phenol-d6
Concen: 98.540 ng
RT: 6.281 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

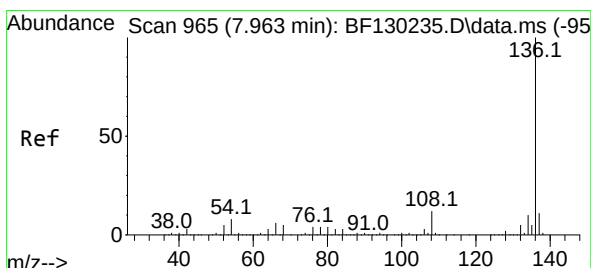
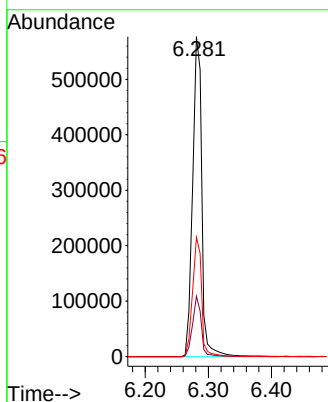
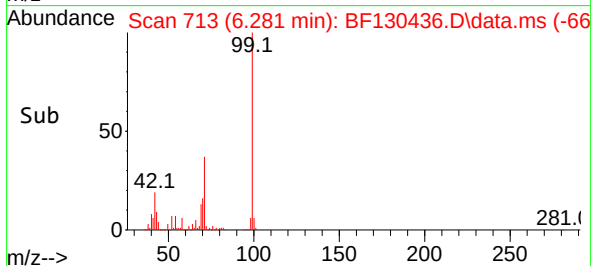
Instrument :
BNA_F
ClientSampleId :
RB20515



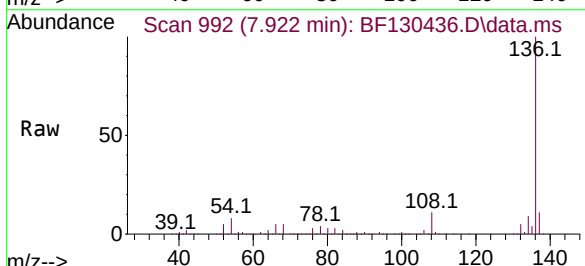
Tgt Ion: 99 Resp: 583903
Ion Ratio Lower Upper
99 100
42 18.9 17.0 25.6
71 37.3 32.3 48.5

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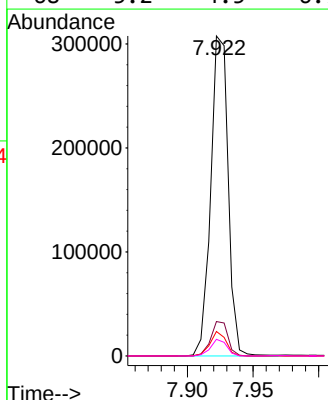
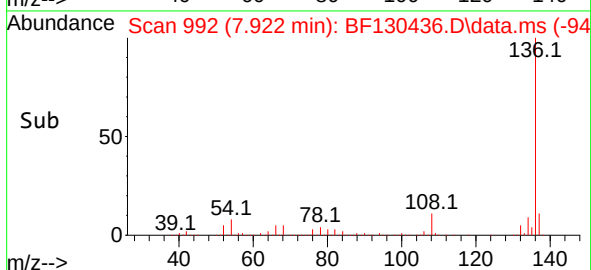
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022

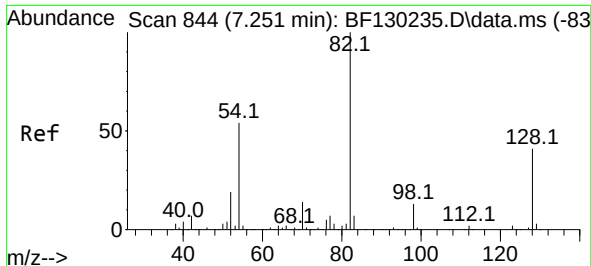


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.922 min Scan# 992
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31



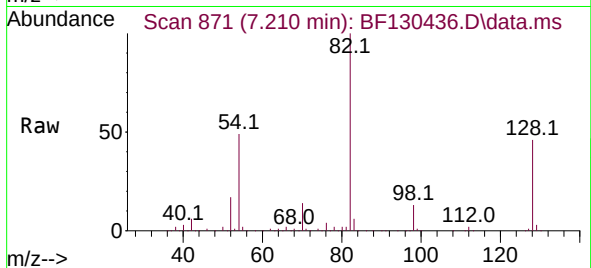
Tgt Ion:136 Resp: 285916
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 7.6 7.1 10.7
68 5.2 4.5 6.7





#23
Nitrobenzene-d5
Concen: 63.298 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

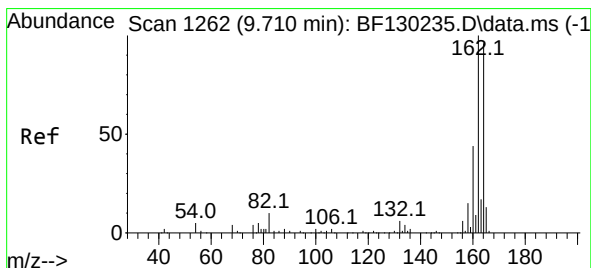
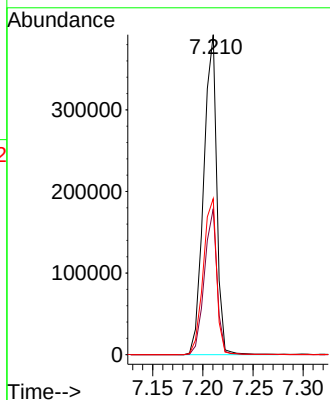
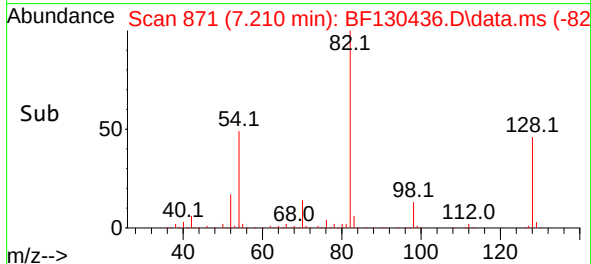
Instrument :
BNA_F
ClientSampleId :
RB20515



Tgt Ion: 82 Resp: 354246
Ion Ratio Lower Upper
82 100
128 45.5 32.6 49.0
54 48.7 43.8 65.6

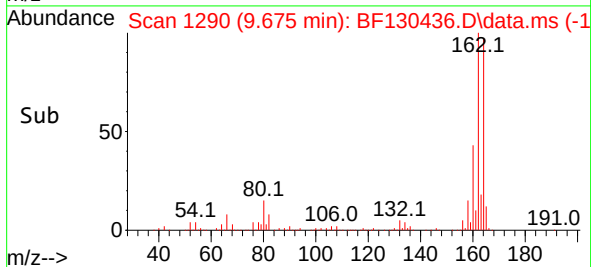
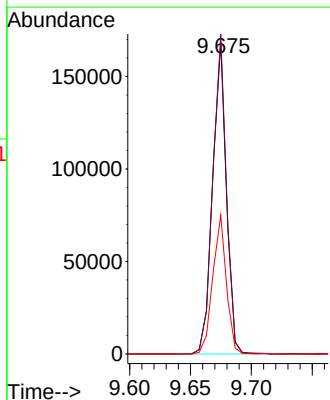
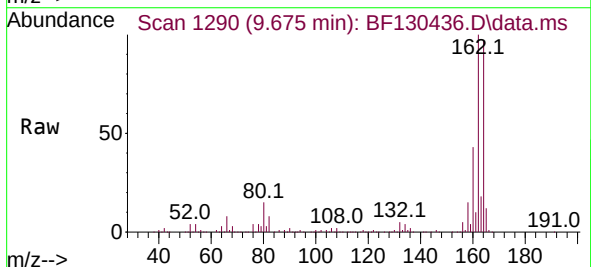
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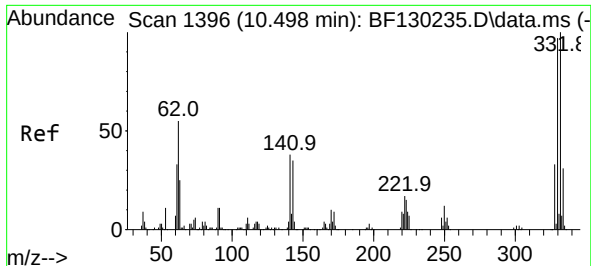
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.675 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

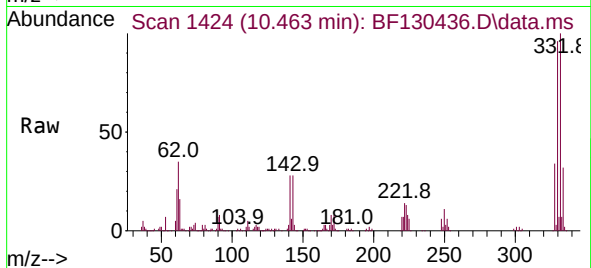
Tgt Ion:164 Resp: 132478
Ion Ratio Lower Upper
164 100
162 102.7 81.4 122.0
160 44.5 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 115.457 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

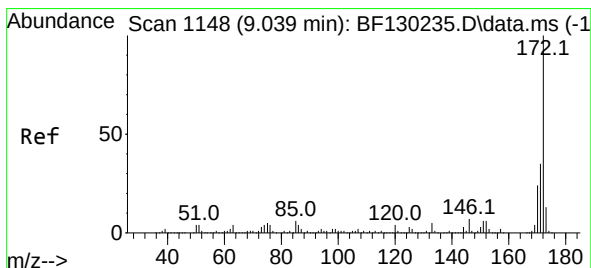
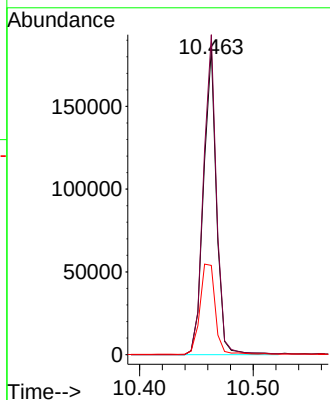
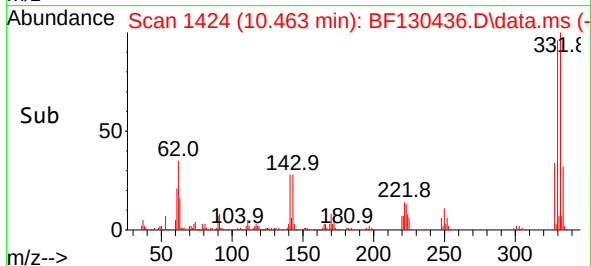
Instrument :
BNA_F
ClientSampleId :
RB20515



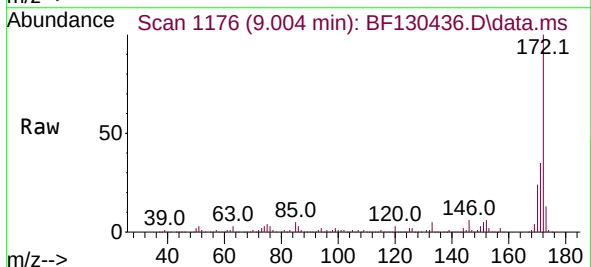
Tgt Ion: 330 Resp: 146560
Ion Ratio Lower Upper
330 100
332 105.5 83.4 125.2
141 34.9 34.0 51.0

Manual Integrations
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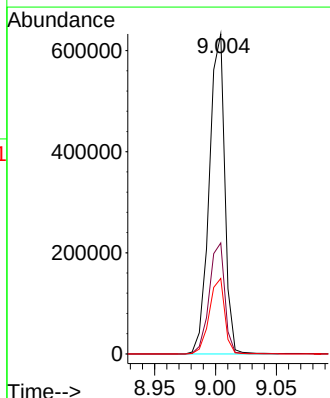
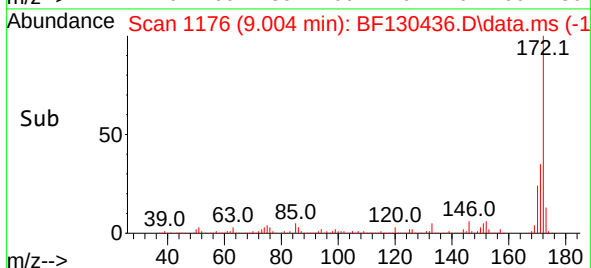
Reviewed By : Christian Giraldo 09/28/2022
Supervised By : Jagrut Upadhyay 09/28/2022

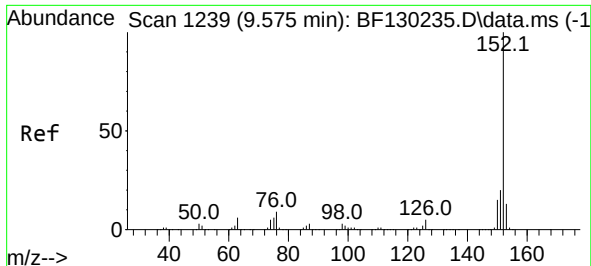


#45
2-Fluorobiphenyl
Concen: 61.847 ng
RT: 9.004 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31



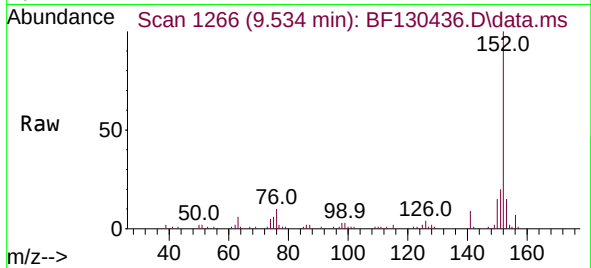
Tgt Ion: 172 Resp: 562656
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.6 18.7 28.1





#49
Acenaphthylene
Concen: 2.242 ng
RT: 9.534 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

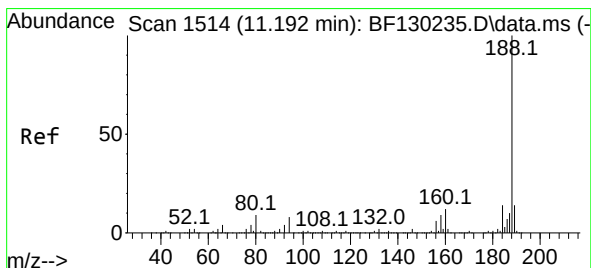
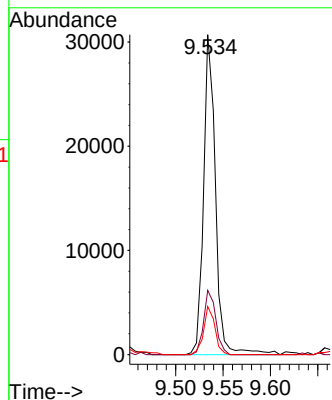
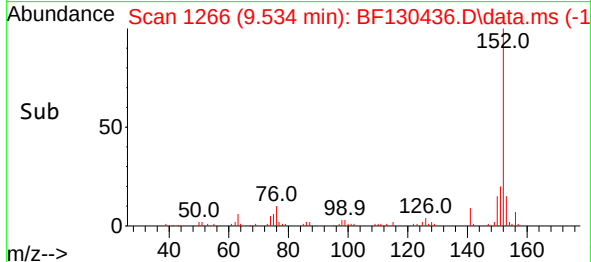
Instrument :
BNA_F
ClientSampleId :
RB20515



Tgt Ion:152 Resp: 2690
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 15.0 10.6 15.8

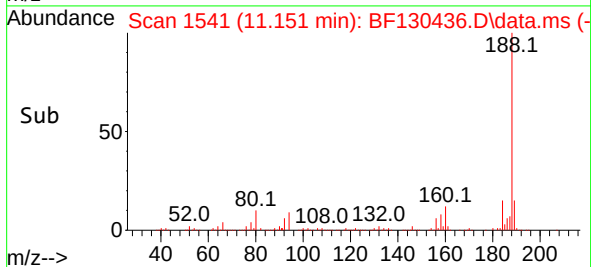
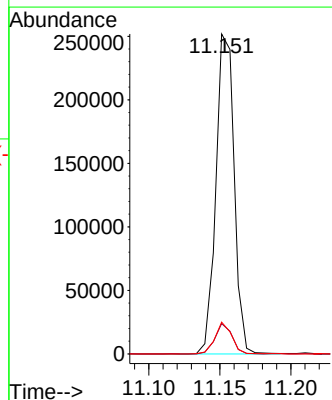
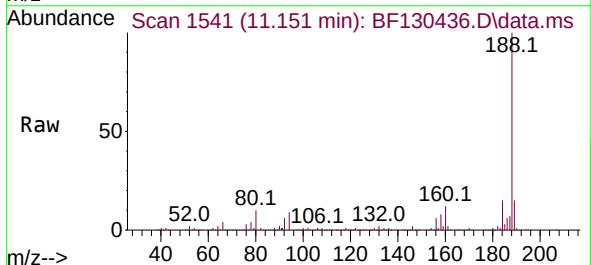
Manual Integrations
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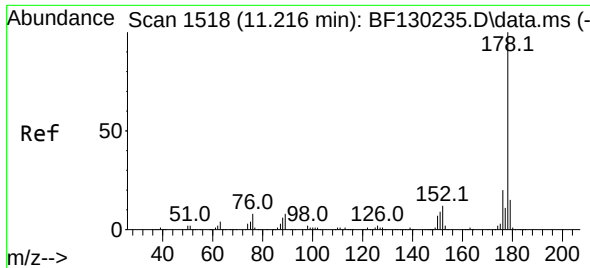
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.151 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

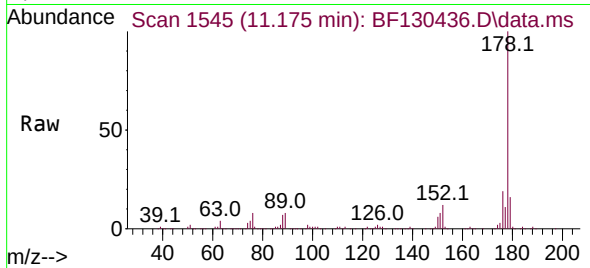
Tgt Ion:188 Resp: 225907
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 9.9 7.9 11.9





#71
Phenanthrene
Concen: 9.909 ng
RT: 11.175 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

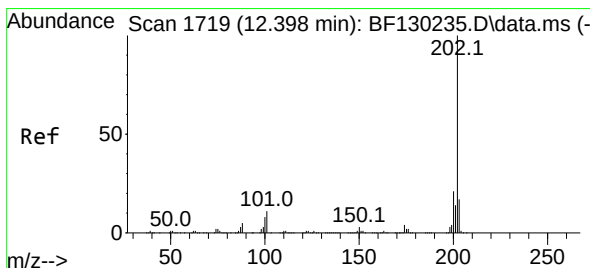
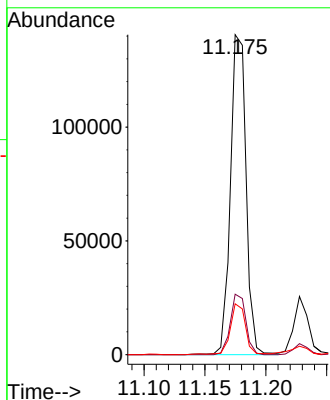
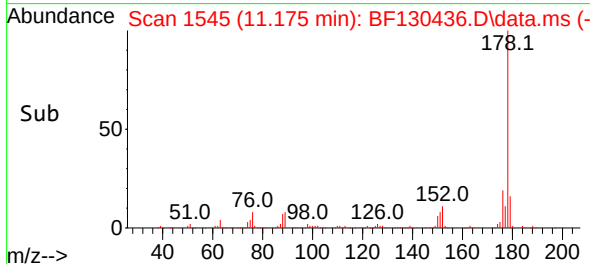
Instrument :
BNA_F
ClientSampleId :
RB20515



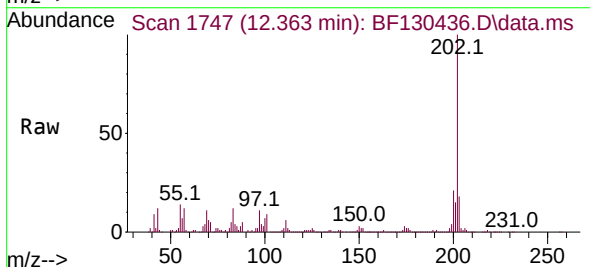
Tgt Ion:178 Resp: 125679
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.9 12.4 18.6

Manual Integrations
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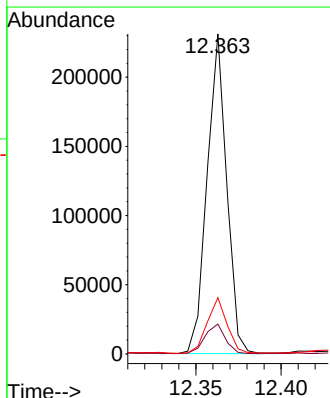
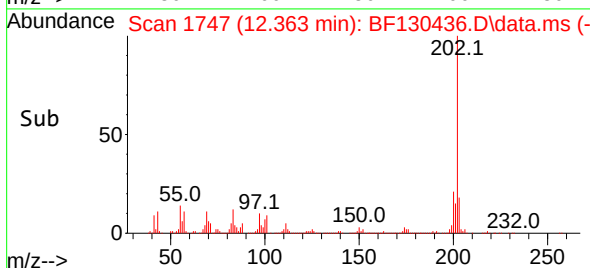
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022

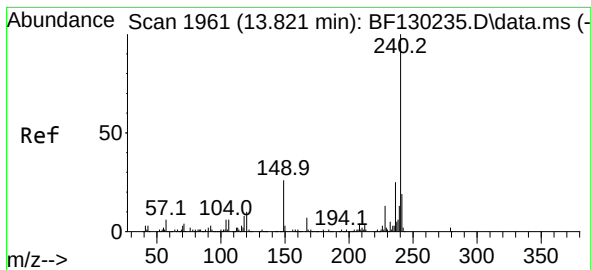


#75
Fluoranthene
Concen: 15.101 ng
RT: 12.363 min Scan# 1747
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31



Tgt Ion:202 Resp: 185077
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.8
203 17.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.786 min Scan# 1961

Delta R.T. -0.006 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

RB20515

Tgt Ion:240 Resp: 225000

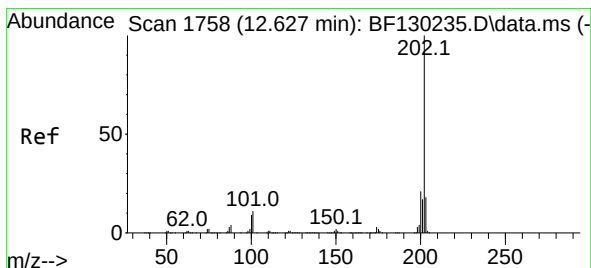
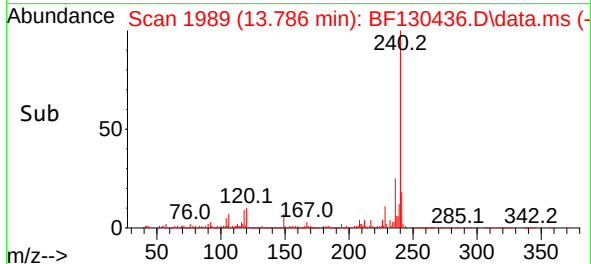
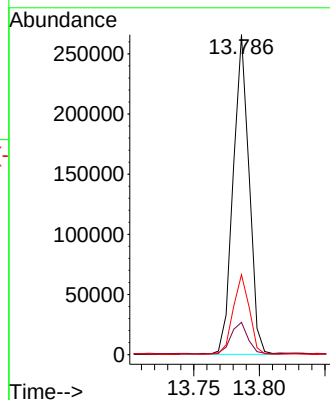
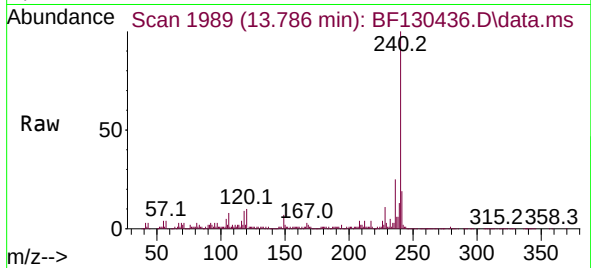
Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.7	13.1
236	25.0	20.9	31.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/28/2022



#78

Pyrene

Concen: 12.798 ng

RT: 12.592 min Scan# 1786

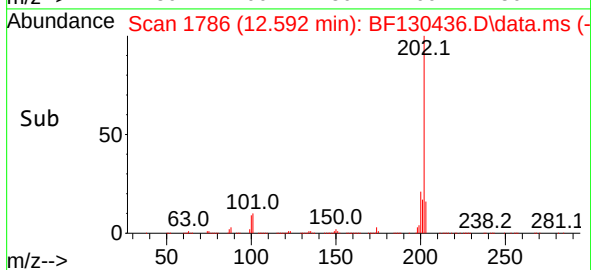
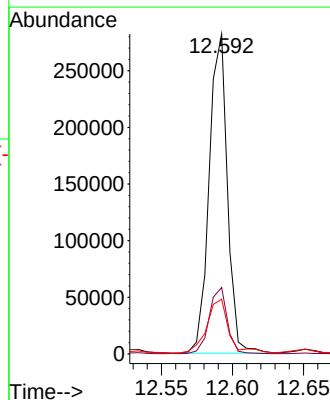
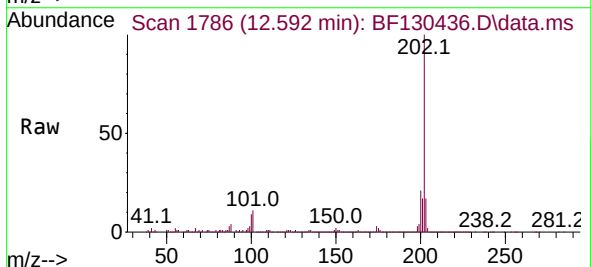
Delta R.T. 0.000 min

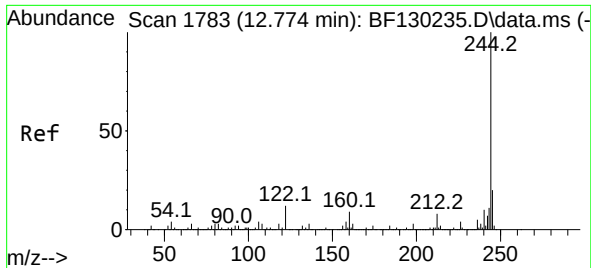
Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

Tgt Ion:202 Resp: 251899

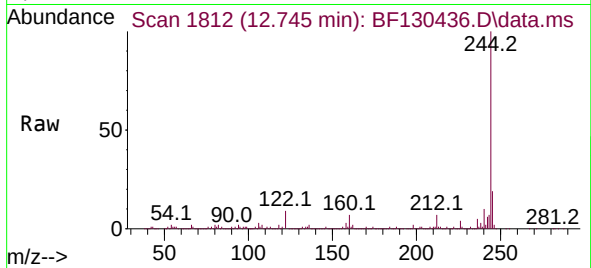
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.2	25.8
203	17.1	14.3	21.5





#79
 Terphenyl-d14
 Concen: 48.842 ng
 RT: 12.745 min Scan# 1812
 Delta R.T. 0.000 min
 Lab File: BF130436.D
 Acq: 27 Sep 2022 21:31

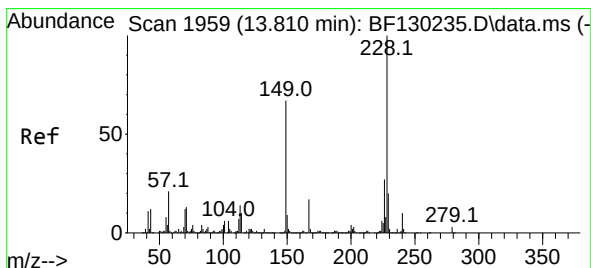
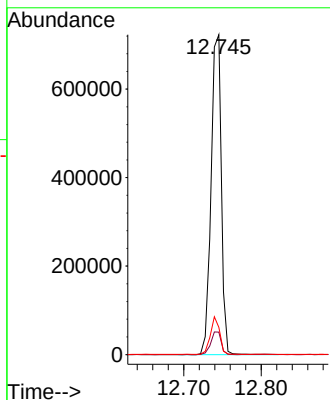
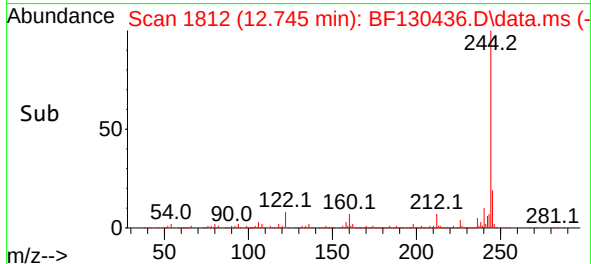
Instrument :
 BNA_F
 ClientSampleId :
 RB20515



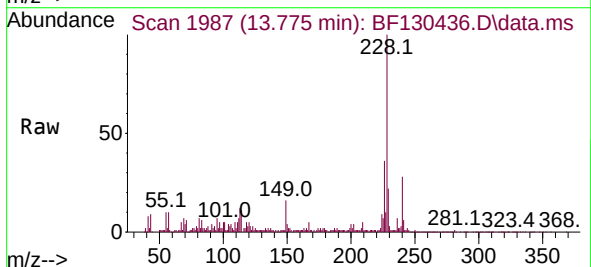
Tgt Ion:244 Resp: 663424
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 8.5 8.5 12.7

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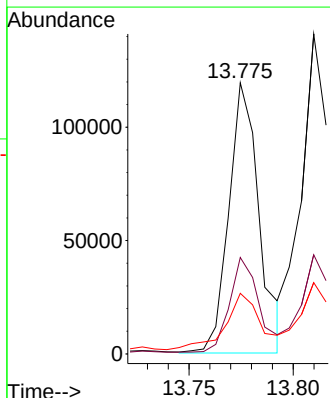
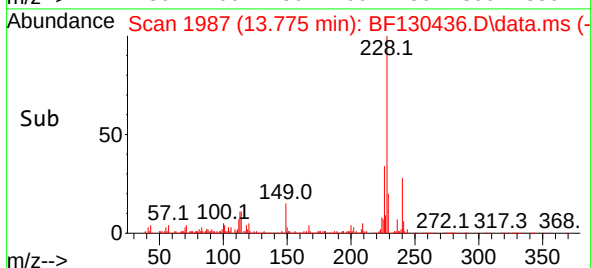
Reviewed By :Christian Giraldo 09/28/2022
 Supervised By :Jagrut Upadhyay 09/28/2022

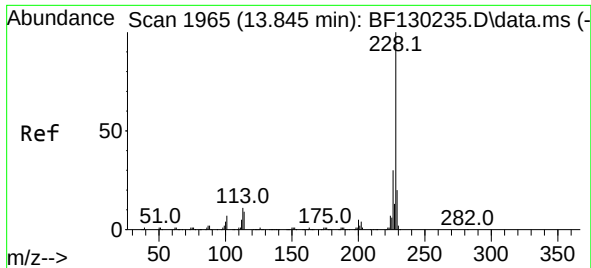


#81
 Benzo(a)anthracene
 Concen: 8.070 ng m
 RT: 13.775 min Scan# 1987
 Delta R.T. -0.006 min
 Lab File: BF130436.D
 Acq: 27 Sep 2022 21:31



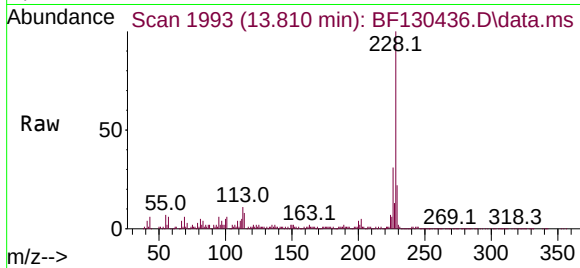
Tgt Ion:228 Resp: 120798
 Ion Ratio Lower Upper
 228 100
 226 35.5 21.9 32.9#
 229 22.3 16.1 24.1





#83
Chrysene
Concen: 9.173 ng
RT: 13.810 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

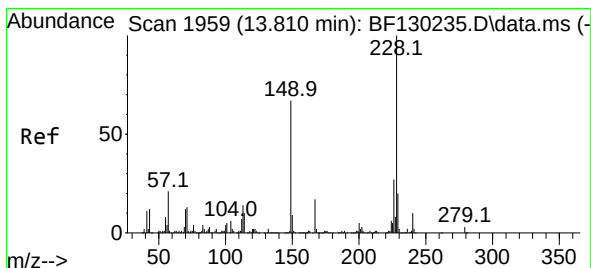
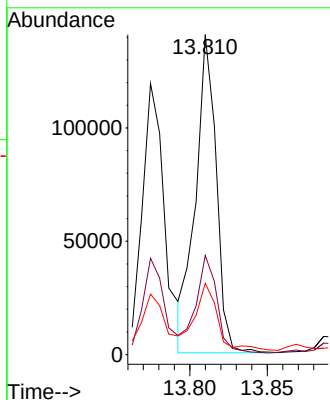
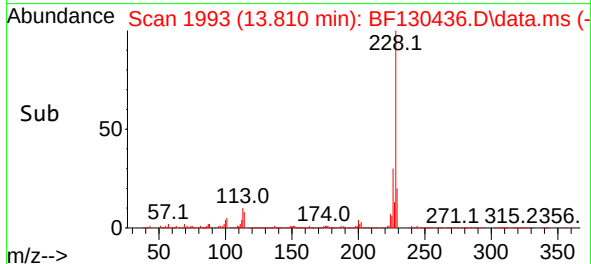
Instrument :
BNA_F
ClientSampleId :
RB20515



Tgt Ion:228 Resp: 130368
Ion Ratio Lower Upper
228 100
226 31.0 23.8 35.8
229 22.3 15.3 22.9

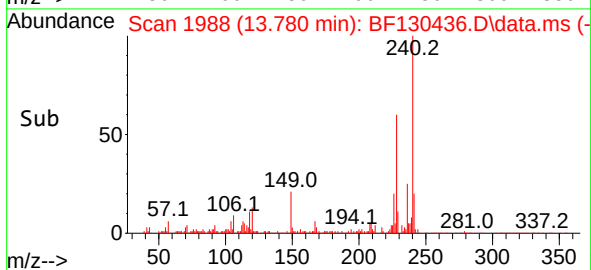
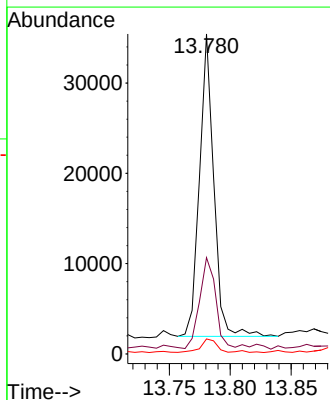
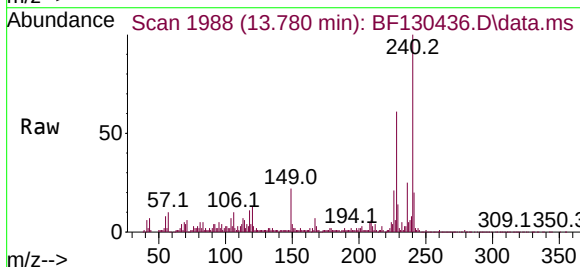
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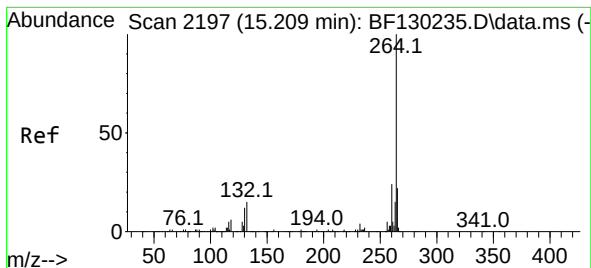
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.295 ng
RT: 13.780 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

Tgt Ion:149 Resp: 27522
Ion Ratio Lower Upper
149 100
167 30.1 20.5 30.7
279 4.7 2.9 4.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.180 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

RB20515

Tgt Ion:264 Resp: 216163

Ion Ratio Lower Upper

264 100

260 22.8 19.3 28.9

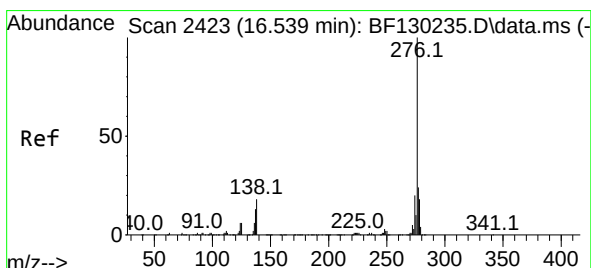
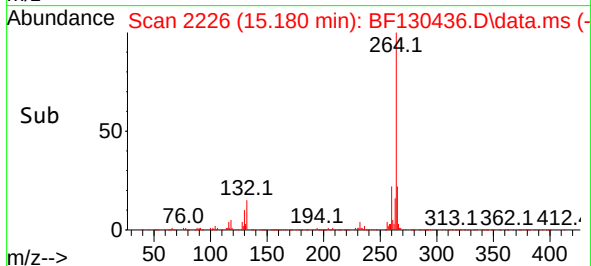
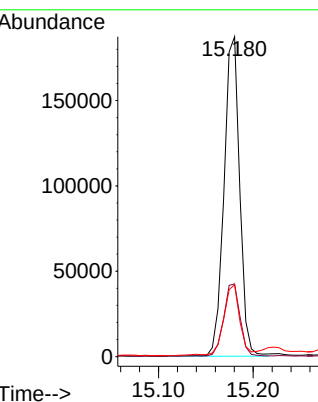
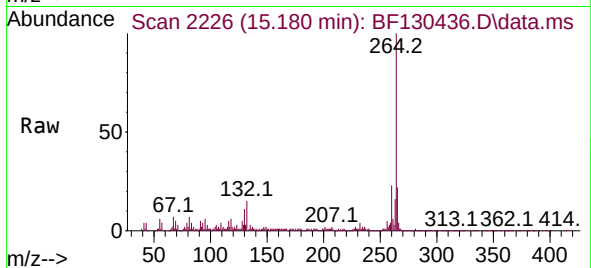
265 22.5 17.0 25.4

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Reviewed By :Christian Giraldo 09/28/2022

Supervised By :Jagrut Upadhyay 09/28/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.601 ng m

RT: 16.486 min Scan# 2448

Delta R.T. -0.012 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

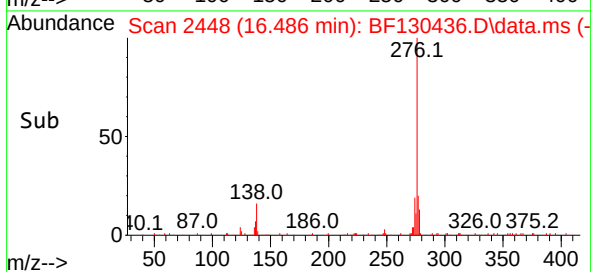
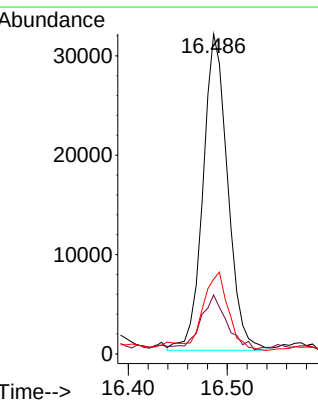
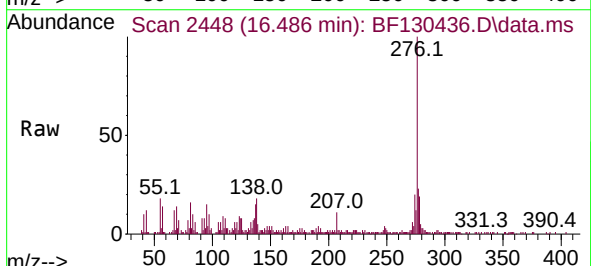
Tgt Ion:276 Resp: 55197

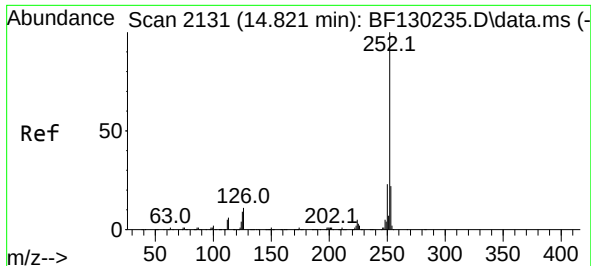
Ion Ratio Lower Upper

276 100

138 5.7 18.5 27.7#

277 5.9 20.2 30.4#





#88

Benzo(b)fluoranthene

Concen: 9.827 ng m

RT: 14.786 min Scan# 2115

Delta R.T. 0.000 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

RB20515

Tgt Ion:252 Resp: 138649

Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

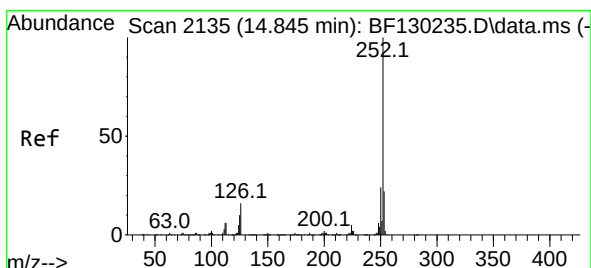
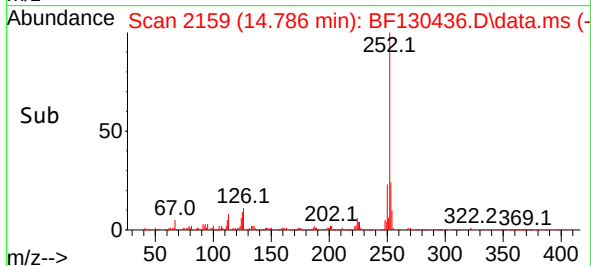
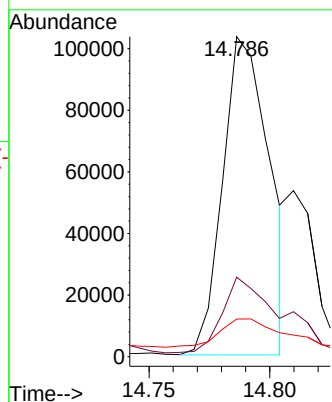
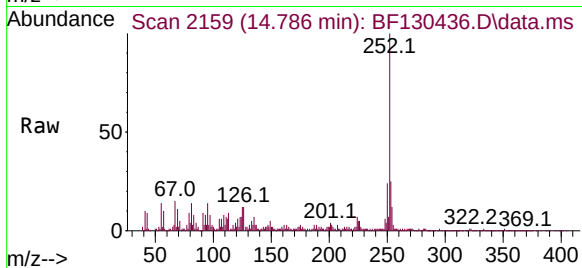
125 11.7 8.1 12.1

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Reviewed By :Christian Giraldo 09/28/2022

Supervised By :Jagrut Upadhyay 09/28/2022



#89

Benzo(k)fluoranthene

Concen: 3.092 ng m

RT: 14.810 min Scan# 2163

Delta R.T. -0.006 min

Lab File: BF130436.D

Acq: 27 Sep 2022 21:31

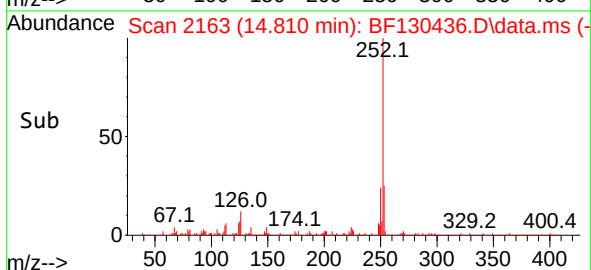
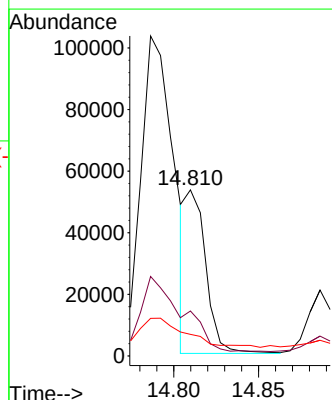
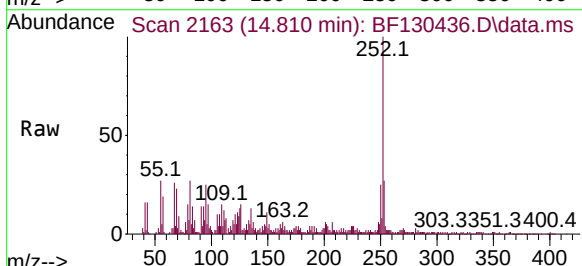
Tgt Ion:252 Resp: 42912

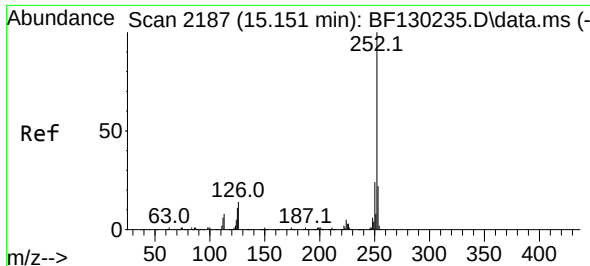
Ion Ratio Lower Upper

252 100

253 27.1 17.4 26.2#

125 13.0 7.9 11.9#





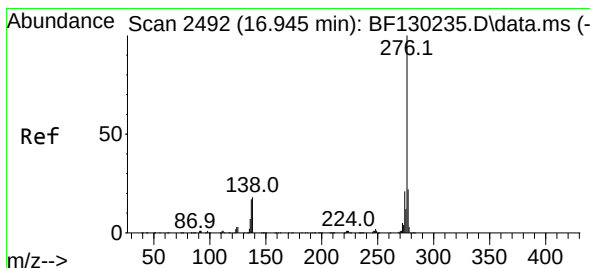
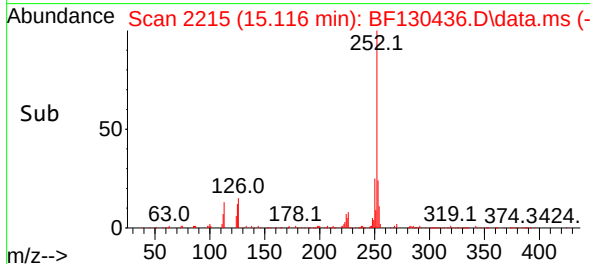
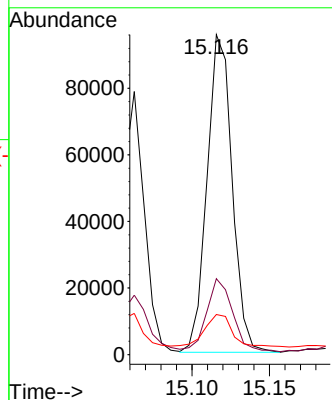
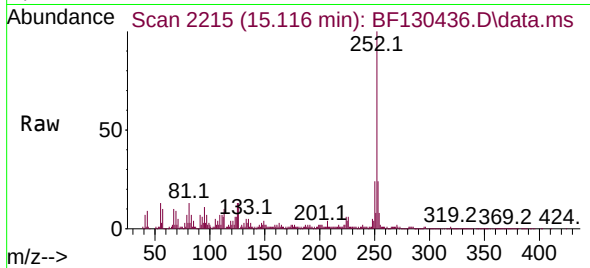
#90
Benzo(a)pyrene
Concen: 9.634 ng
RT: 15.116 min Scan# 2187
Delta R.T. 0.000 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

Instrument :
BNA_F
ClientSampleId :
RB20515

Tgt Ion:252 Resp: 107689
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 12.5 9.0 13.6

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Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022



#92
Benzo(g,h,i)perylene
Concen: 4.604 ng
RT: 16.886 min Scan# 2516
Delta R.T. -0.006 min
Lab File: BF130436.D
Acq: 27 Sep 2022 21:31

Tgt Ion:276 Resp: 58322
Ion Ratio Lower Upper
276 100
277 24.9 18.6 27.8
138 16.7 14.6 21.8

