

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
 Data File : BF130433.D
 Acq On : 27 Sep 2022 19:47
 Operator : CG\JU
 Sample : N4812-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Manual Integrations
 APPROVED

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

Quant Time: Sep 28 03:01:49 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	6.645	152	105036	20.000	ng	0.00
21) Naphthalene-d8	7.928	136	394272	20.000	ng	# 0.00
39) Acenaphthene-d10	9.675	164	186821	20.000	ng	0.00
64) Phenanthrene-d10	11.151	188	271005	20.000	ng	0.00
76) Chrysene-d12	13.786	240	210703	20.000	ng	0.00
86) Perylene-d12	15.174	264	224495	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	617787	102.015	ng	0.00
7) Phenol-d6	6.287	99	761738	100.530	ng	0.00
23) Nitrobenzene-d5	7.210	82	480022	62.200	ng	0.00
42) 2,4,6-Tribromophenol	10.463	330	173144	96.723	ng	0.00
45) 2-Fluorobiphenyl	9.004	172	786068	61.271	ng	0.00
79) Terphenyl-d14	12.739	244	602433	47.362	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.175	178	123239	8.100	ng	99
75) Fluoranthene	12.363	202	174042	11.838	ng	95
78) Pyrene	12.586	202	155276	8.424	ng	99
81) Benzo(a)anthracene	13.774	228	75703	5.401	ng	99
83) Chrysene	13.810	228	71886	5.401	ng	96
87) Indeno(1,2,3-cd)pyrene	16.486	276	38558	2.422	ng	98
88) Benzo(b)fluoranthene	14.786	252	92201m	6.292	ng	
89) Benzo(k)fluoranthene	14.804	252	34238m	2.375	ng	
90) Benzo(a)pyrene	15.116	252	66615	5.739	ng	100
92) Benzo(g,h,i)perylene	16.880	276	38177	2.902	ng	100

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

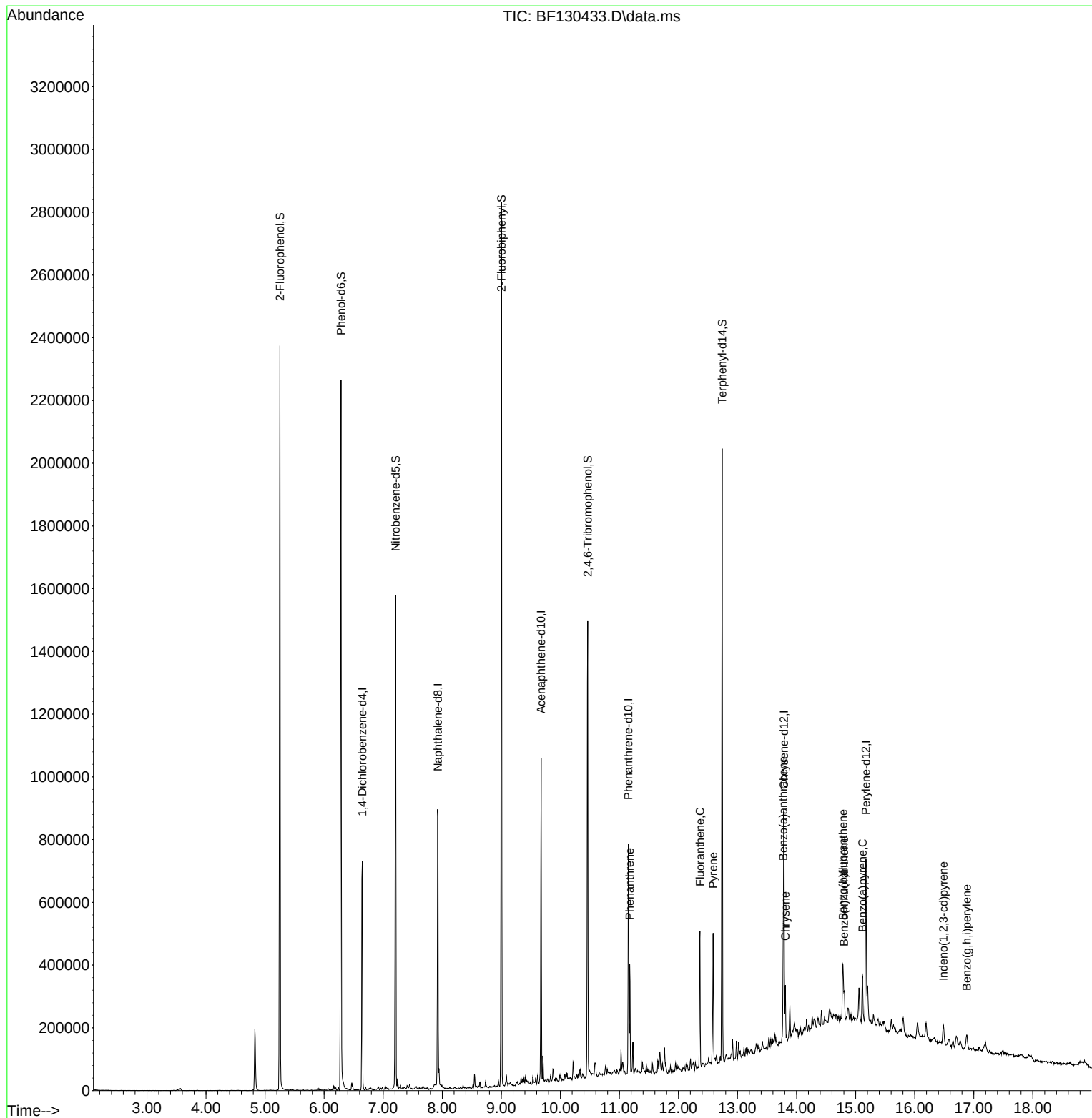
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130433.D
Acq On : 27 Sep 2022 19:47
Operator : CG\JU
Sample : N4812-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

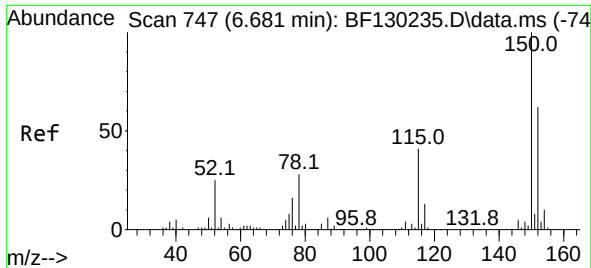
Instrument :
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ClientSampleId :
WC-3

Quant Time: Sep 28 03:01:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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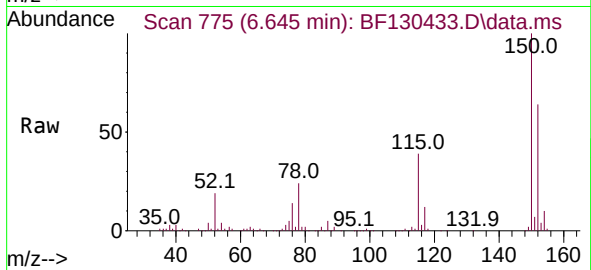
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.645 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47

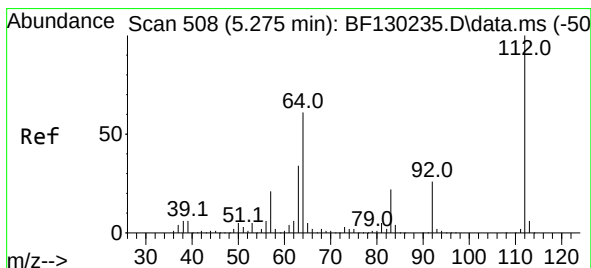
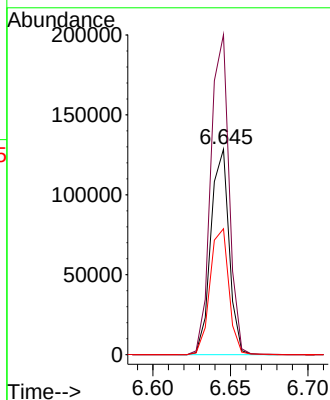
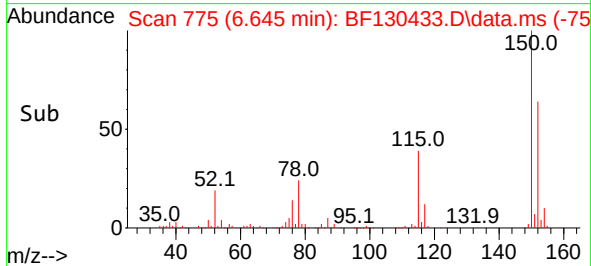
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion:152 Resp: 105036
Ion Ratio Lower Upper
152 100
150 155.8 122.8 184.2
115 61.3 53.8 80.8

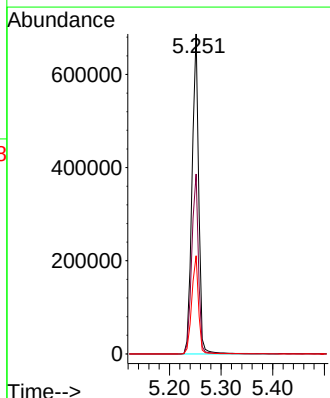
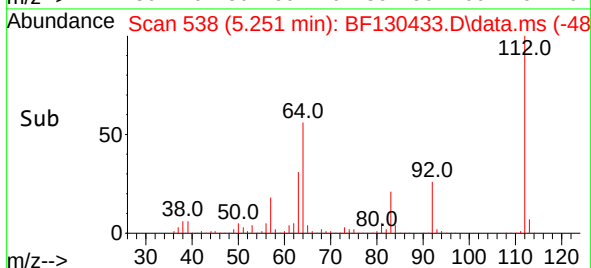
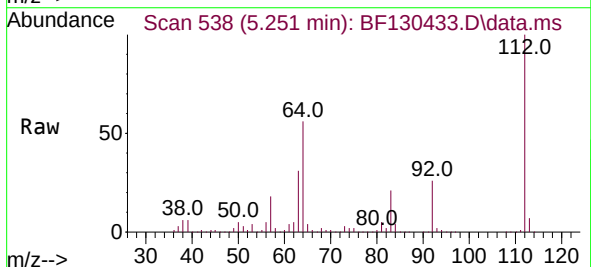
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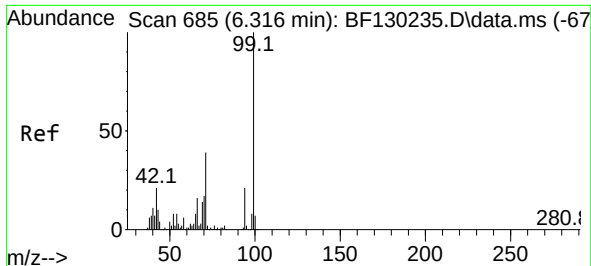
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022



#5
2-Fluorophenol
Concen: 102.015 ng
RT: 5.251 min Scan# 538
Delta R.T. 0.006 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47

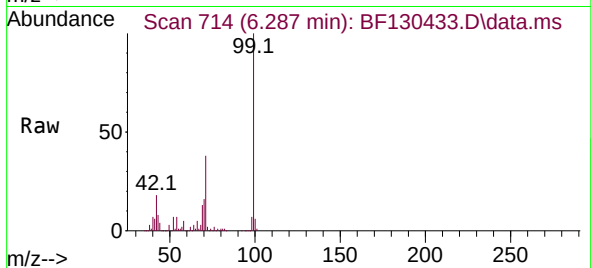
Tgt Ion:112 Resp: 617787
Ion Ratio Lower Upper
112 100
64 56.2 51.4 77.0
63 30.7 28.8 43.2





#7
Phenol-d6
Concen: 100.530 ng
RT: 6.287 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47

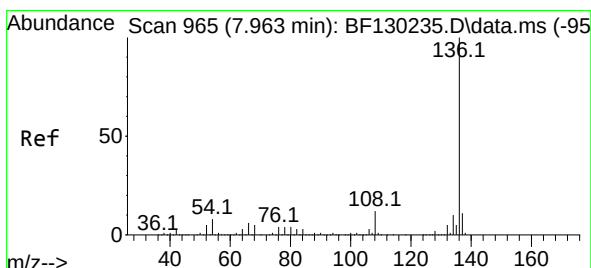
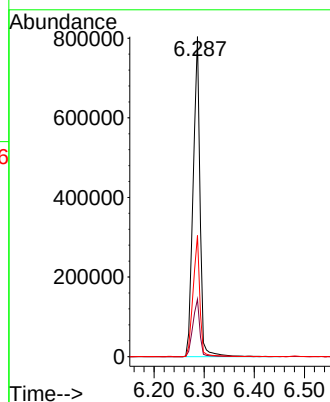
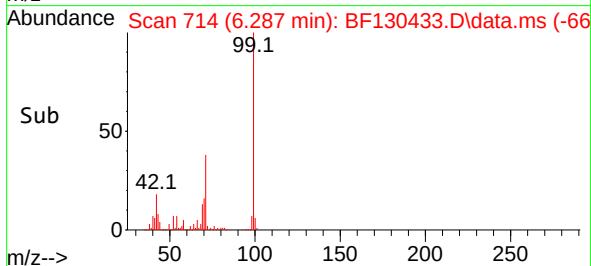
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion: 99 Resp: 761738
Ion Ratio Lower Upper
99 100
42 17.9 17.0 25.6
71 37.8 32.3 48.5

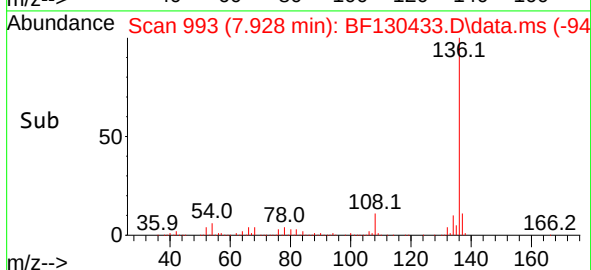
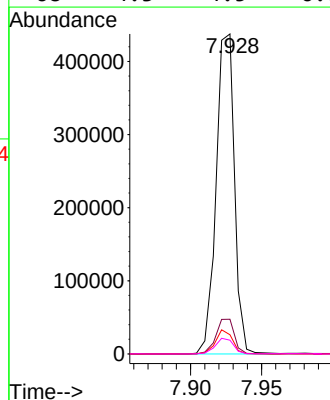
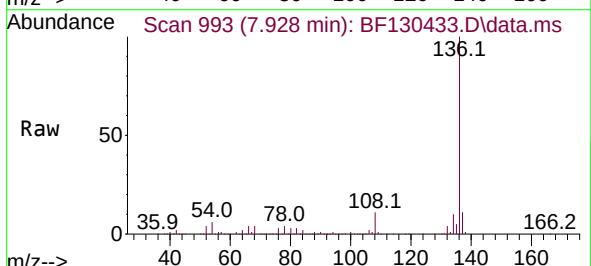
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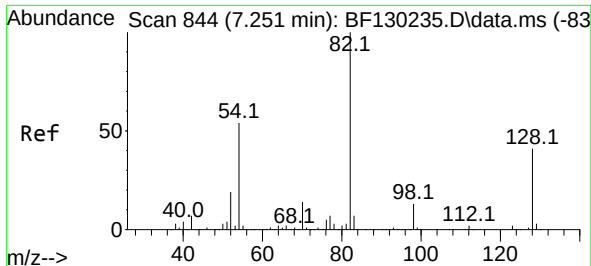
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.928 min Scan# 993
Delta R.T. 0.000 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47

Tgt Ion:136 Resp: 394272
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 6.0 7.1 10.7#
68 4.3 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 62.200 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF130433.D

Acq: 27 Sep 2022 19:47

Instrument :

BNA_F

ClientSampleId :

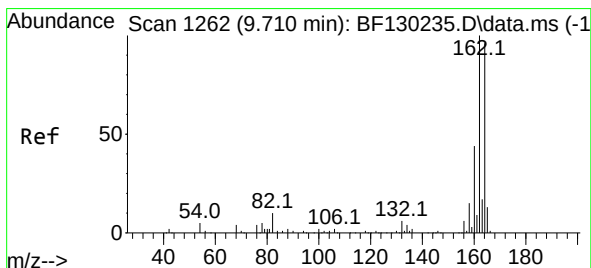
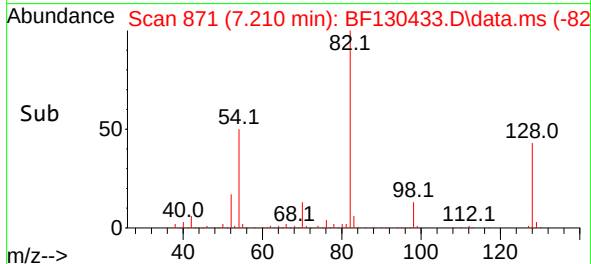
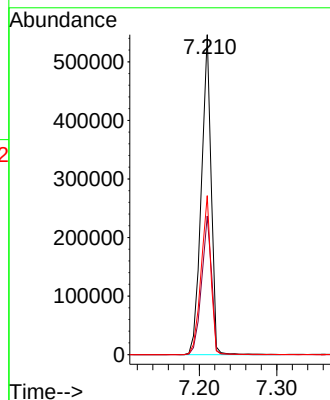
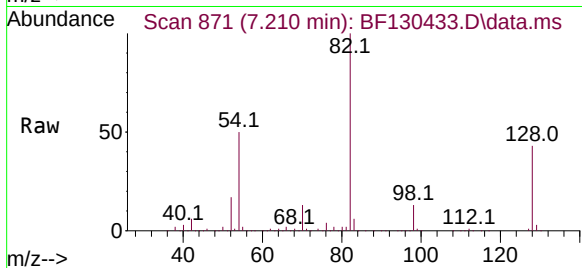
WC-3

Tgt Ion: 82 Resp: 480021
 Ion Ratio Lower Upper
 82 100
 128 43.3 32.6 49.0
 54 49.7 43.8 65.6

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 Supervised By :Jagrut Upadhyay 09/28/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

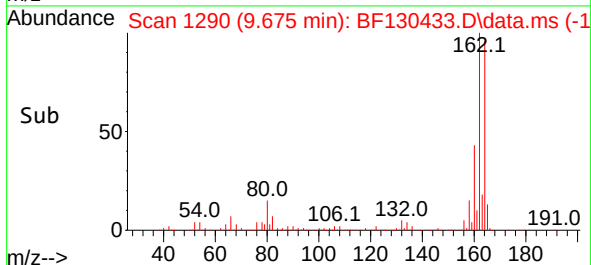
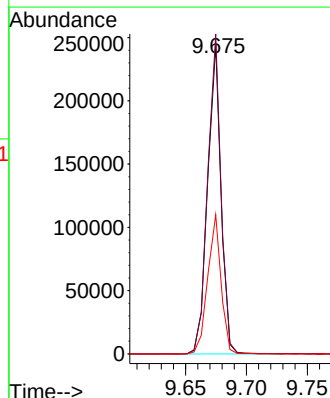
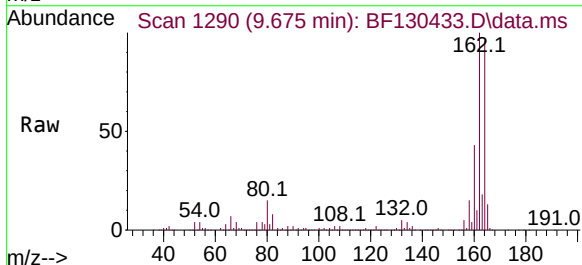
RT: 9.675 min Scan# 1290

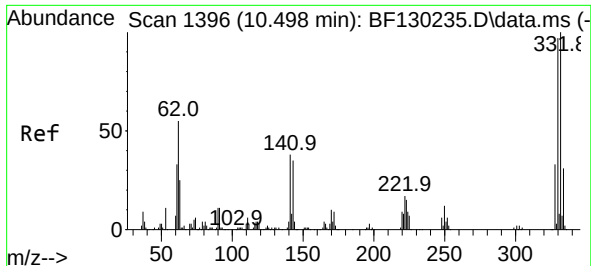
Delta R.T. -0.006 min

Lab File: BF130433.D

Acq: 27 Sep 2022 19:47

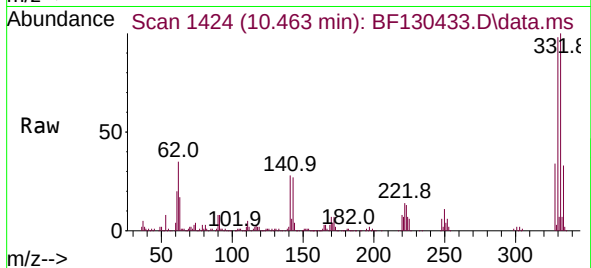
Tgt Ion:164 Resp: 186821
 Ion Ratio Lower Upper
 164 100
 162 103.6 81.4 122.0
 160 45.0 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 96.723 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47

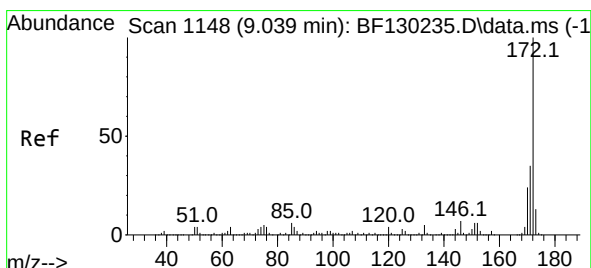
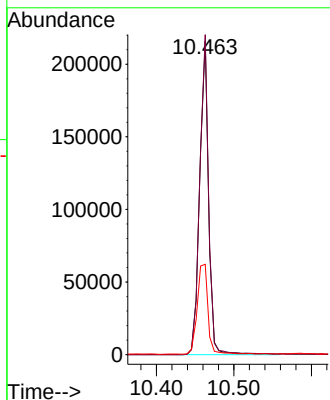
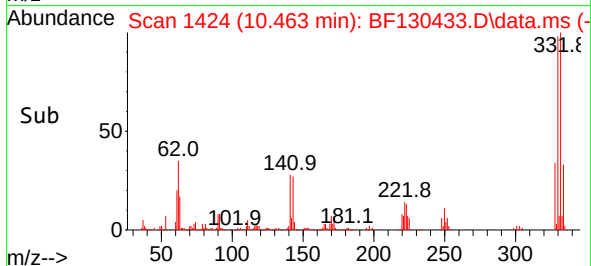
Instrument :
BNA_F
ClientSampleId :
WC-3



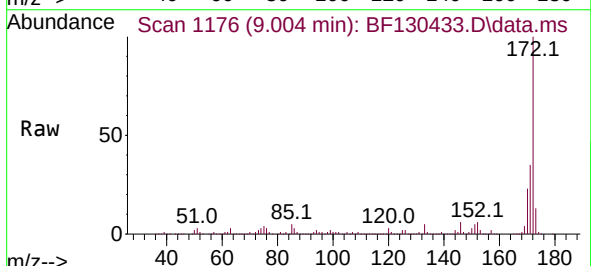
Tgt Ion: 330 Resp: 173144
Ion Ratio Lower Upper
330 100
332 101.6 83.4 125.2
141 34.5 34.0 51.0

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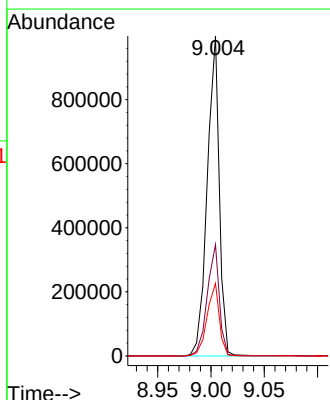
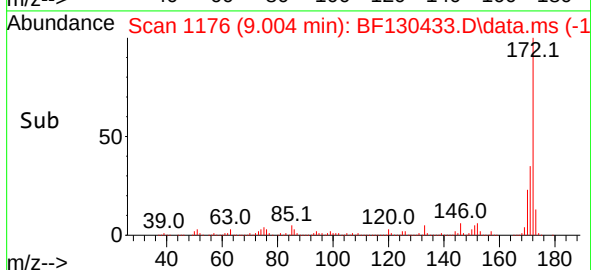
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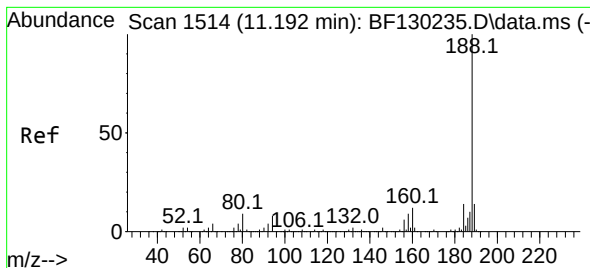


#45
2-Fluorobiphenyl
Concen: 61.271 ng
RT: 9.004 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47



Tgt Ion: 172 Resp: 786068
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 22.7 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130433.D

Acq: 27 Sep 2022 19:47

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion:188 Resp: 271005

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

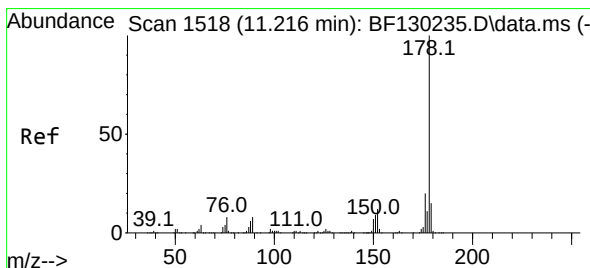
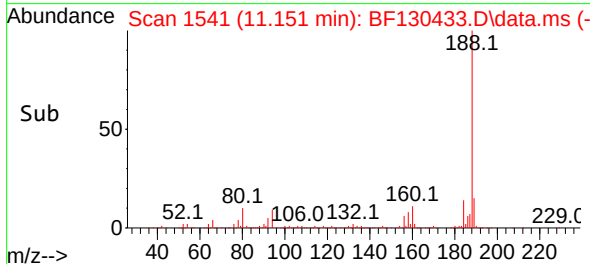
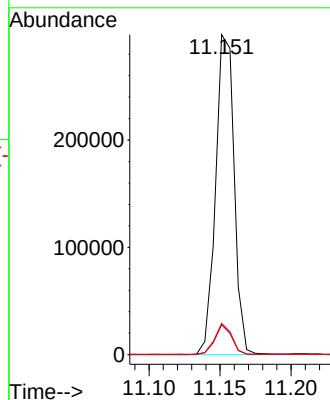
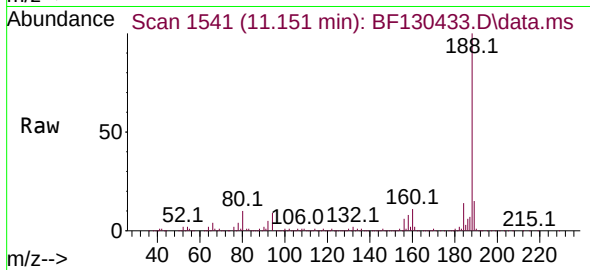
80 9.8 7.9 11.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/28/2022



#71

Phenanthrene

Concen: 8.100 ng

RT: 11.175 min Scan# 1545

Delta R.T. -0.012 min

Lab File: BF130433.D

Acq: 27 Sep 2022 19:47

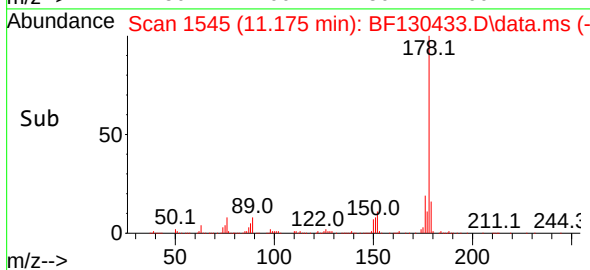
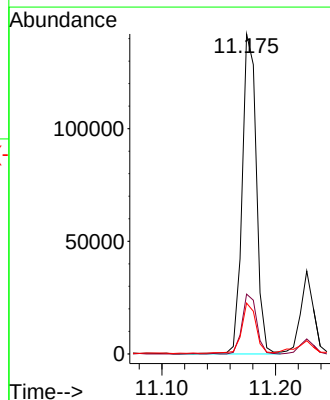
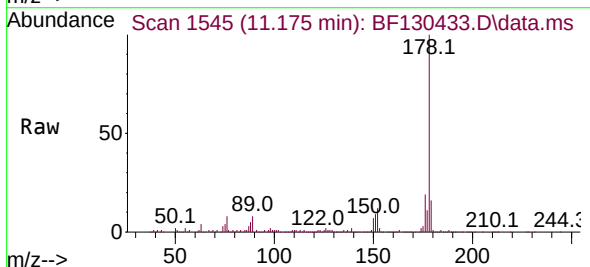
Tgt Ion:178 Resp: 123239

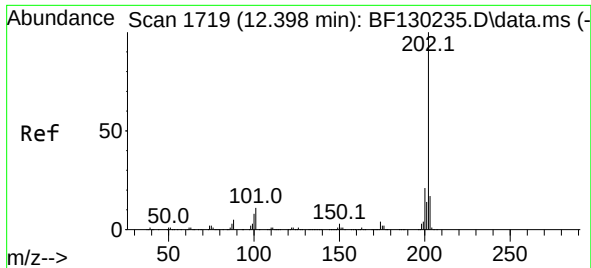
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

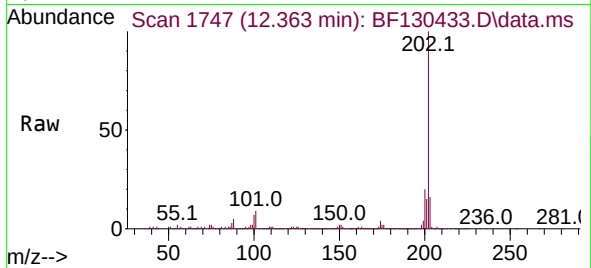
179 15.9 12.4 18.6





#75
Fluoranthene
Concen: 11.838 ng
RT: 12.363 min Scan# 1747
Delta R.T. -0.006 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47

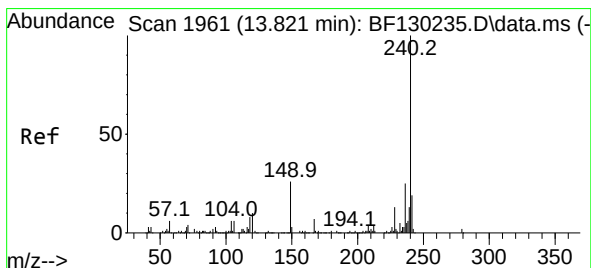
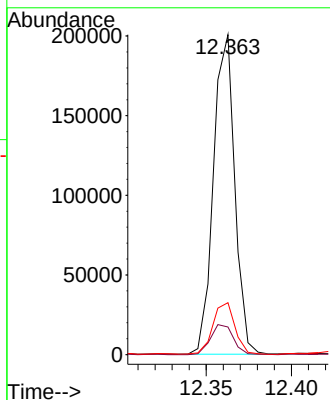
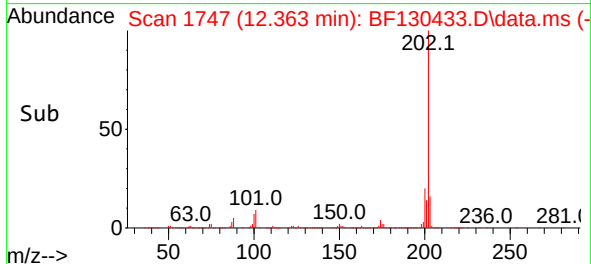
Instrument :
BNA_F
ClientSampleId :
WC-3



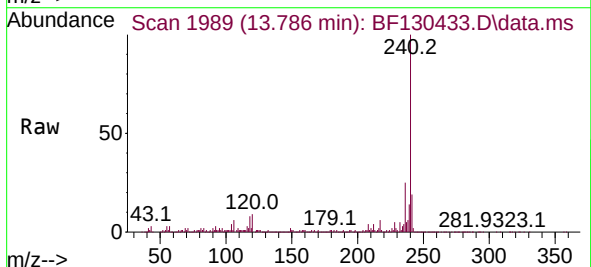
Tgt Ion:202 Resp: 174042
Ion Ratio Lower Upper
202 100
101 8.6 0.0 31.8
203 16.2 0.0 37.8

Manual Integrations
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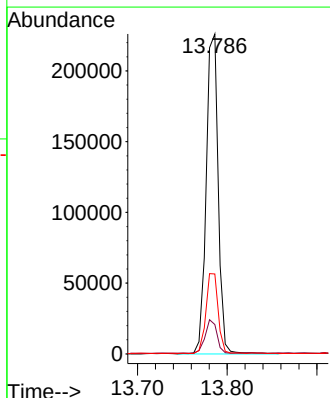
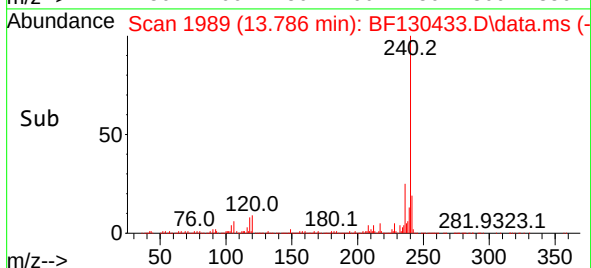
Reviewed By :Christian Giraldo 09/28/2022
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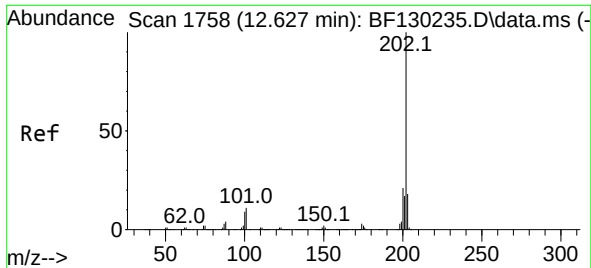


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.786 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47



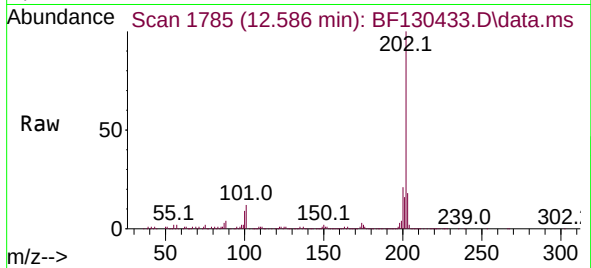
Tgt Ion:240 Resp: 210703
Ion Ratio Lower Upper
240 100
120 9.2 8.7 13.1
236 25.0 20.9 31.3





#78
Pyrene
Concen: 8.424 ng
RT: 12.586 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47

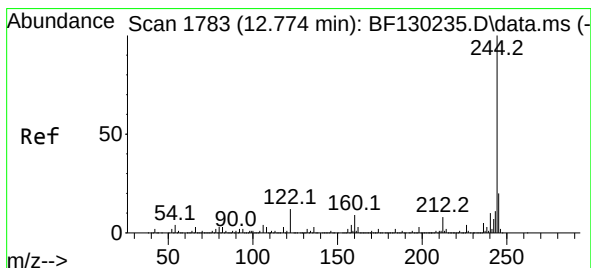
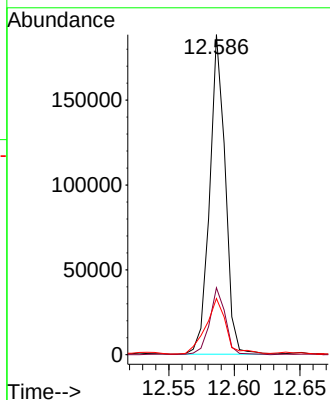
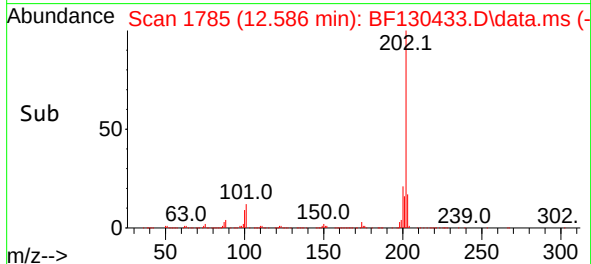
Instrument :
BNA_F
ClientSampleId :
WC-3



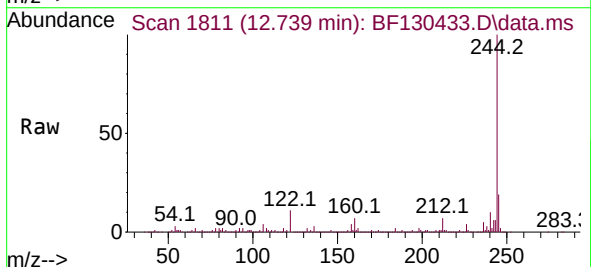
Tgt Ion:202 Resp: 155276
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 17.5 14.3 21.5

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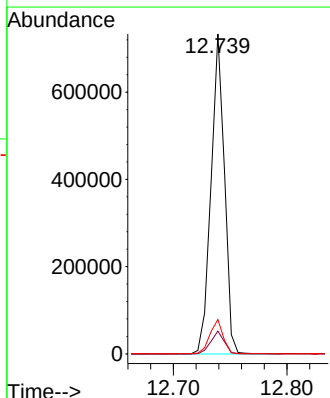
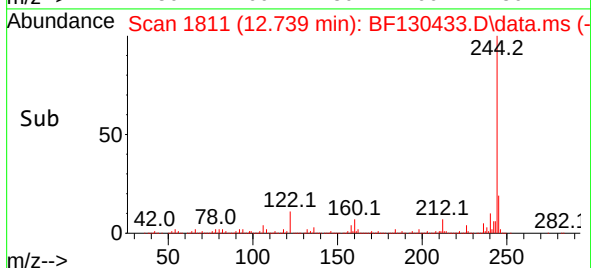
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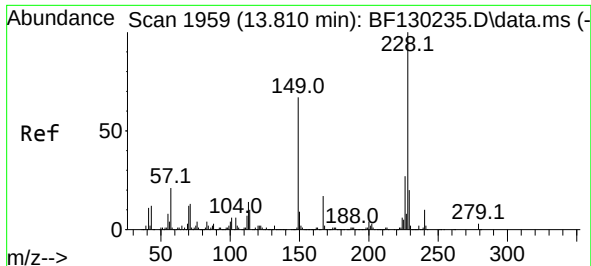


#79
Terphenyl-d14
Concen: 47.362 ng
RT: 12.739 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47



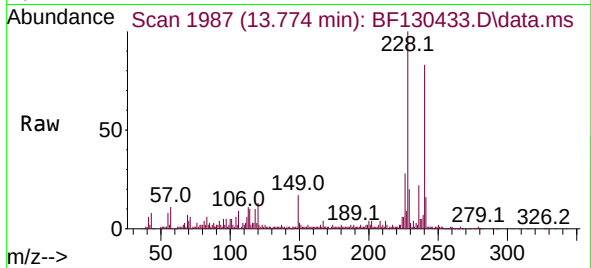
Tgt Ion:244 Resp: 602433
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 10.7 8.5 12.7





#81
Benzo(a)anthracene
Concen: 5.401 ng
RT: 13.774 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47

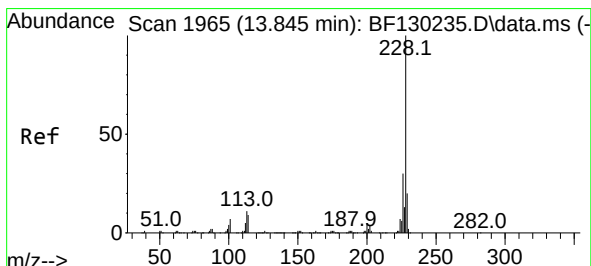
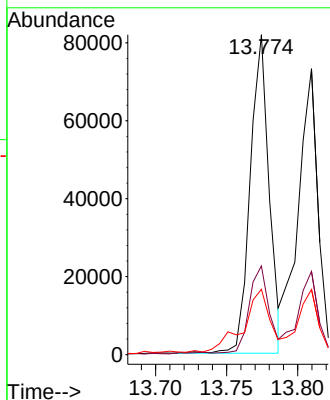
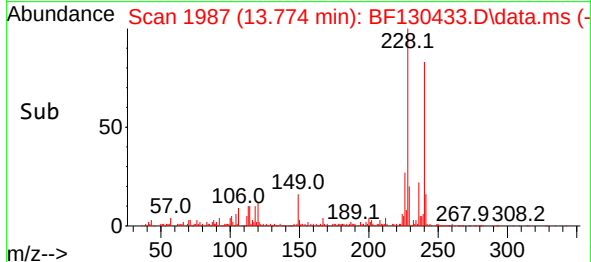
Instrument :
BNA_F
ClientSampleId :
WC-3



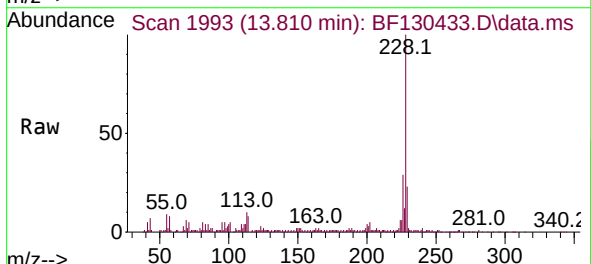
Tgt Ion:228 Resp: 75703
Ion Ratio Lower Upper
228 100
226 27.7 21.9 32.9
229 20.4 16.1 24.1

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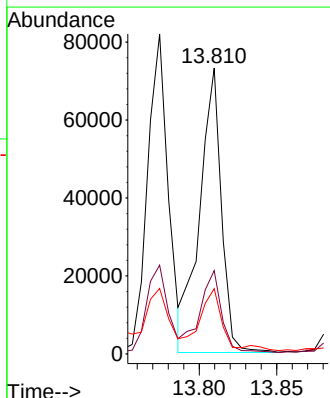
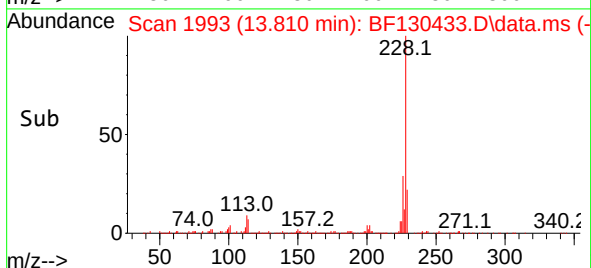
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022

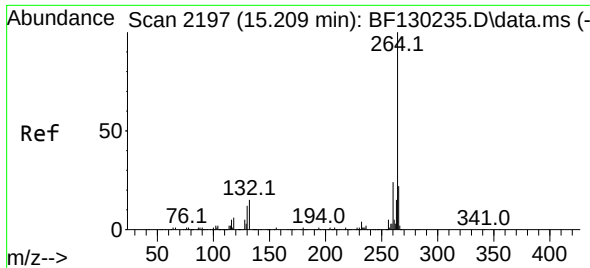


#83
Chrysene
Concen: 5.401 ng
RT: 13.810 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47



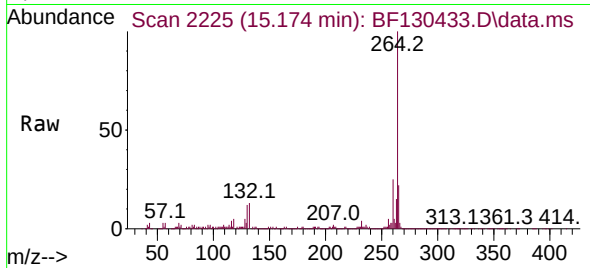
Tgt Ion:228 Resp: 71886
Ion Ratio Lower Upper
228 100
226 29.1 23.8 35.8
229 22.8 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.174 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47

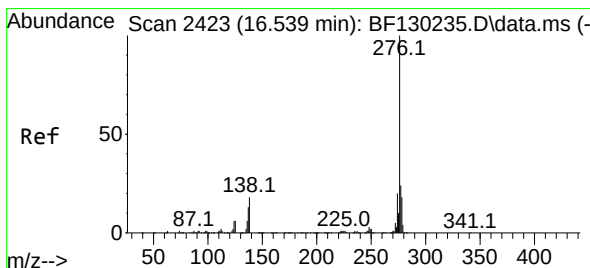
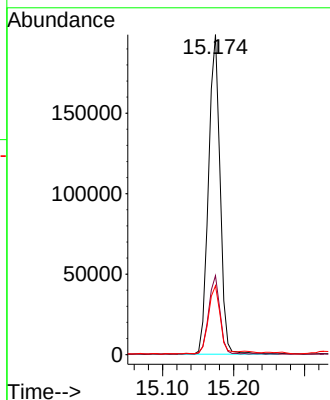
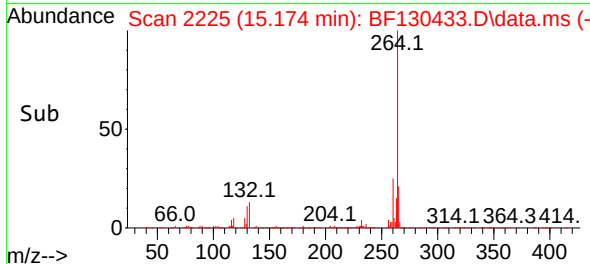
Instrument :
BNA_F
ClientSampleId :
WC-3



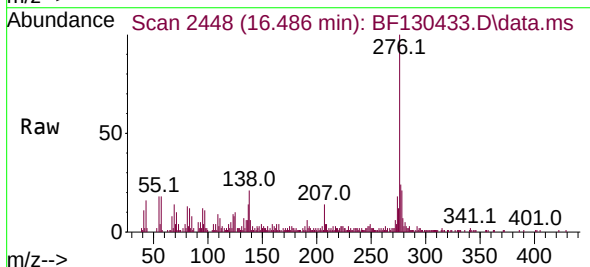
Tgt Ion:264 Resp: 224495
Ion Ratio Lower Upper
264 100
260 24.7 19.3 28.9
265 21.5 17.0 25.4

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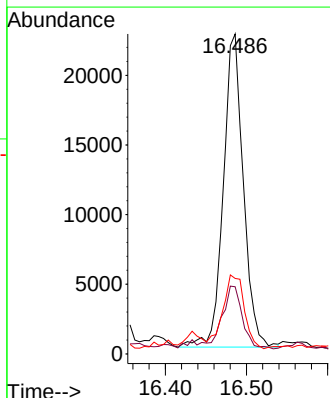
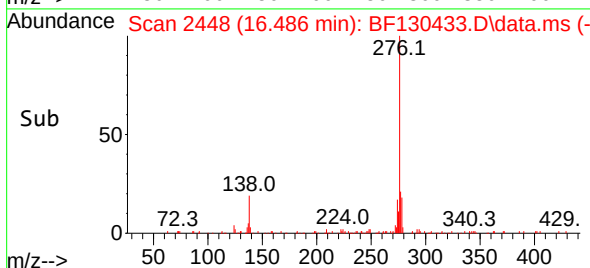
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022

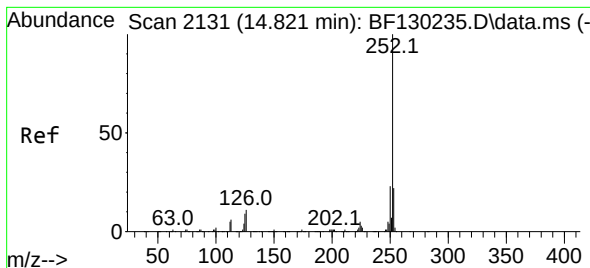


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.422 ng
RT: 16.486 min Scan# 2448
Delta R.T. -0.012 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47



Tgt Ion:276 Resp: 38558
Ion Ratio Lower Upper
276 100
138 20.9 18.5 27.7
277 25.3 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 6.292 ng m

RT: 14.786 min Scan# 2115

Delta R.T. 0.000 min

Lab File: BF130433.D

Acq: 27 Sep 2022 19:47

Instrument :

BNA_F

ClientSampleId :

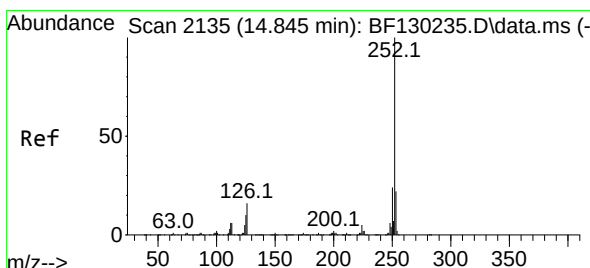
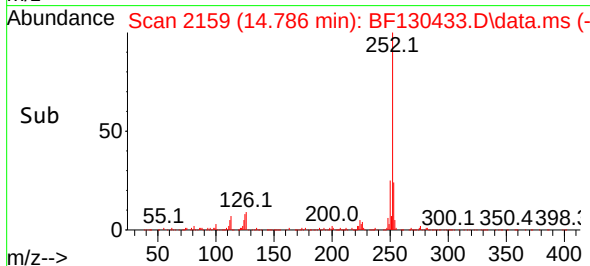
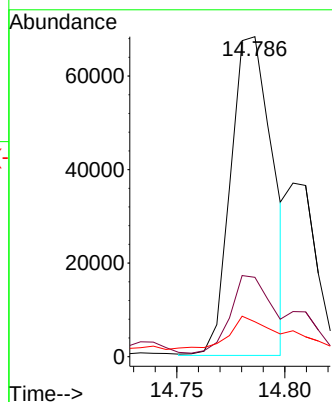
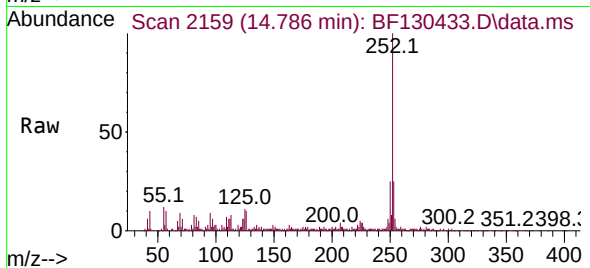
WC-3

Tgt Ion:252 Resp: 92201
 Ion Ratio Lower Upper
 252 100
 253 24.8 17.7 26.5
 125 10.9 8.1 12.1

Manual Integrations

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



#89

Benzo(k)fluoranthene

Concen: 2.375 ng m

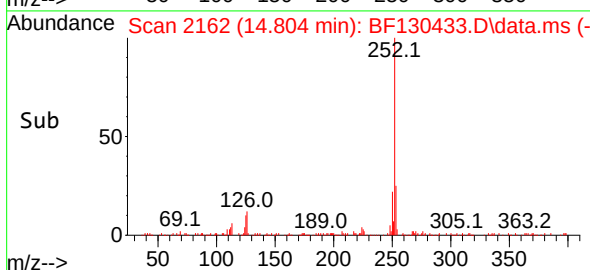
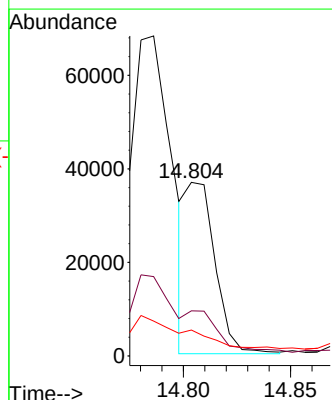
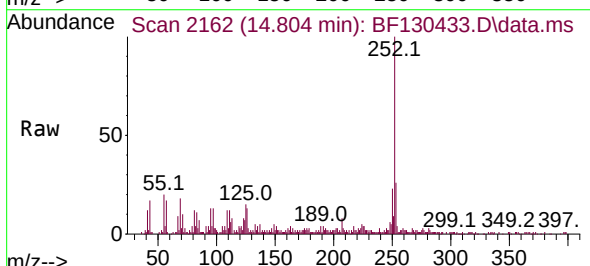
RT: 14.804 min Scan# 2162

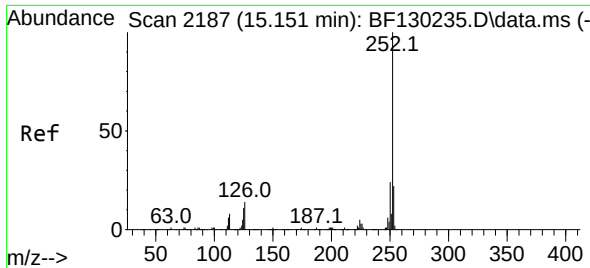
Delta R.T. -0.012 min

Lab File: BF130433.D

Acq: 27 Sep 2022 19:47

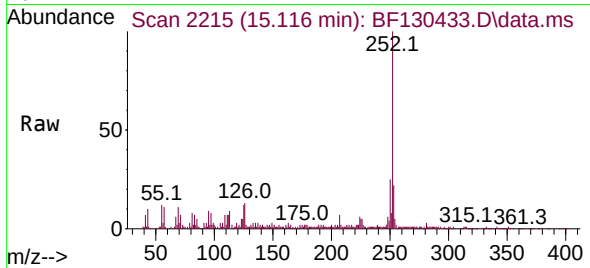
Tgt Ion:252 Resp: 34238
 Ion Ratio Lower Upper
 252 100
 253 26.0 17.4 26.2
 125 14.9 7.9 11.9#





#90
Benzo(a)pyrene
Concen: 5.739 ng
RT: 15.116 min Scan# 2187
Delta R.T. 0.000 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47

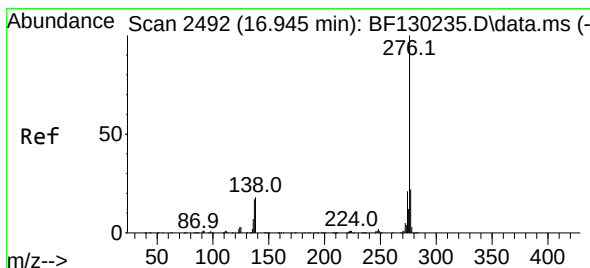
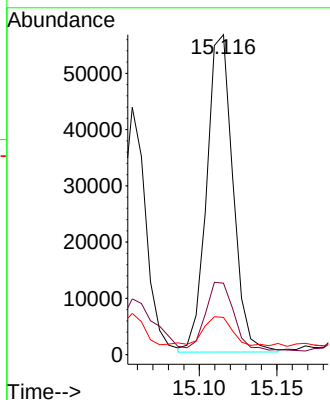
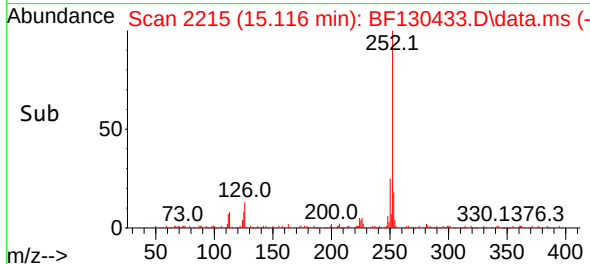
Instrument :
BNA_F
ClientSampleId :
WC-3



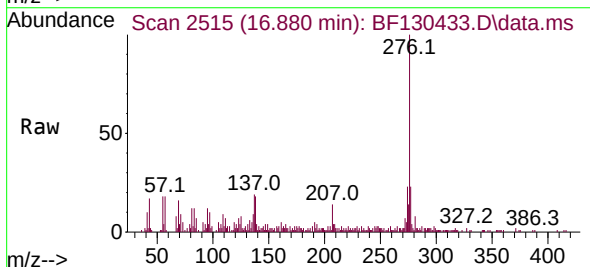
Tgt Ion:252 Resp: 66615
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 11.6 9.0 13.6

Manual Integrations
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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: 2.902 ng
RT: 16.880 min Scan# 2515
Delta R.T. -0.012 min
Lab File: BF130433.D
Acq: 27 Sep 2022 19:47



Tgt Ion:276 Resp: 38177
Ion Ratio Lower Upper
276 100
277 23.3 18.6 27.8
138 18.0 14.6 21.8

