

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
 Data File : BF130330.D
 Acq On : 19 Sep 2022 20:23
 Operator : CG\JU
 Sample : N4664-01RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-091522RE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/20/2022
 Supervised By : Jagrut Upadhyay 09/20/2022

Quant Time: Sep 20 02:28:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.663	152	81920	20.000	ng	0.00
21) Naphthalene-d8	7.945	136	287396	20.000	ng	# 0.00
39) Acenaphthene-d10	9.692	164	120099	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	174103	20.000	ng	0.00
76) Chrysene-d12	13.804	240	185504	20.000	ng	# 0.00
86) Perylene-d12	15.192	264	155855	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	197152	41.742	ng	0.02
7) Phenol-d6	6.322	99	258421	43.729	ng	0.02
23) Nitrobenzene-d5	7.228	82	186897	33.223	ng	0.00
42) 2,4,6-Tribromophenol	10.480	330	40179	34.915	ng	0.00
45) 2-Fluorobiphenyl	9.016	172	307070	37.232	ng	0.00
79) Terphenyl-d14	12.757	244	294249	26.275	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.192	178	53853	5.509	ng	99
75) Fluoranthene	12.380	202	185535	19.643	ng	98
78) Pyrene	12.604	202	181026	11.155	ng	99
81) Benzo(a)anthracene	13.792	228	115946	9.395	ng	98
83) Chrysene	13.827	228	117895	10.061	ng	98
87) Indeno(1,2,3-cd)pyrene	16.509	276	44314	4.009	ng	# 94
88) Benzo(b)fluoranthene	14.804	252	156803m	15.414	ng	
89) Benzo(k)fluoranthene	14.827	252	41044m	4.102	ng	
90) Benzo(a)pyrene	15.133	252	95822	11.890	ng	# 95
92) Benzo(g,h,i)perylene	16.903	276	39240	4.296	ng	# 88

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

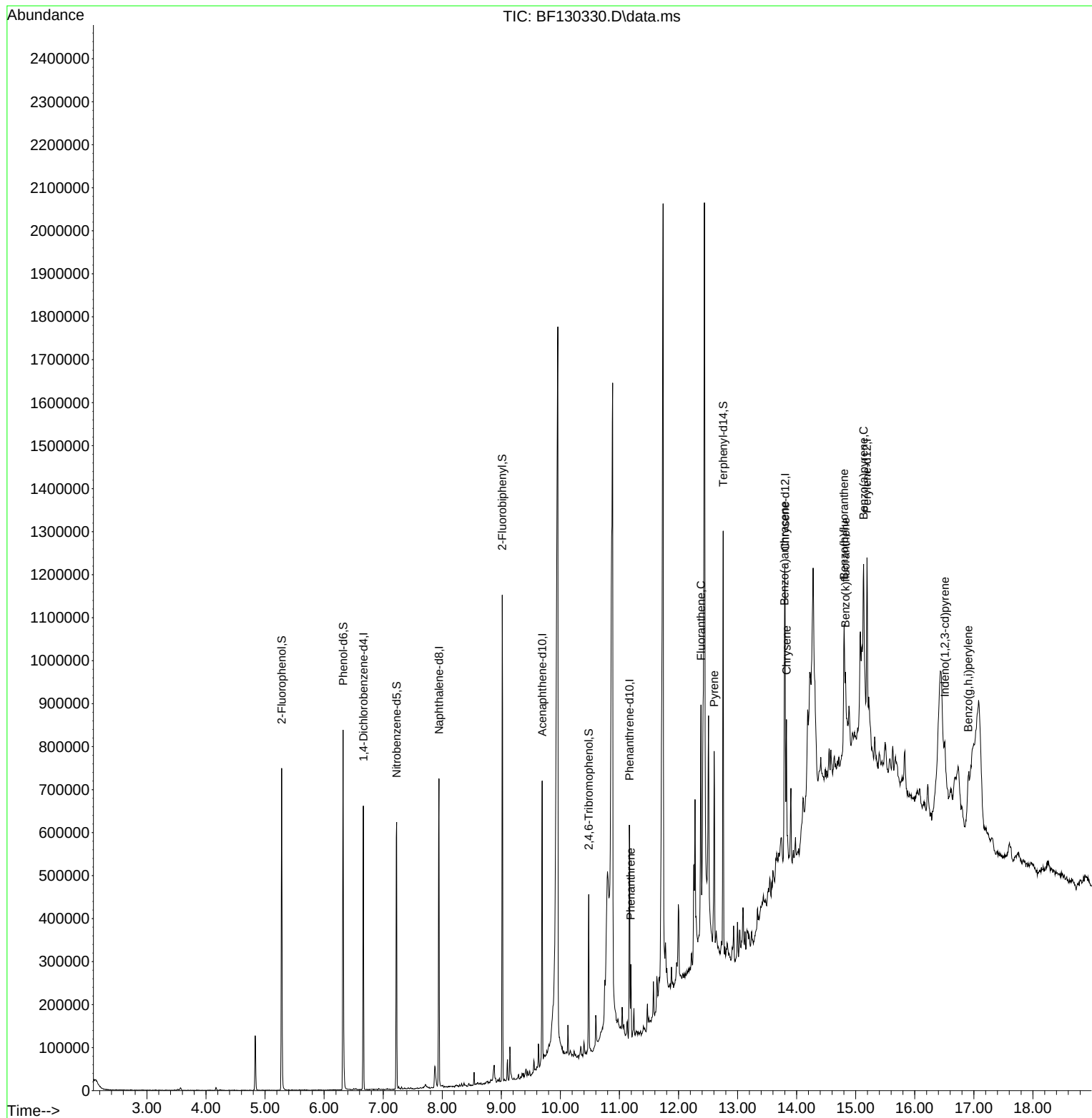
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
Data File : BF130330.D
Acq On : 19 Sep 2022 20:23
Operator : CG\JU
Sample : N4664-01RE
Misc :
ALS Vial : 18 Sample Multiplier: 1

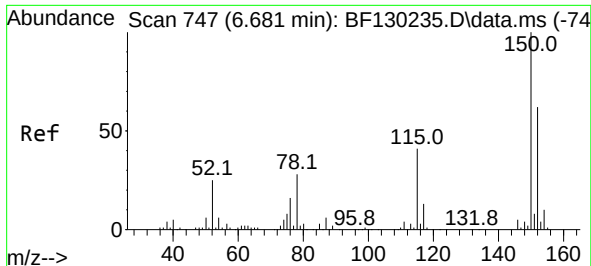
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE

Quant Time: Sep 20 02:28:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 19 15:06:14 2022
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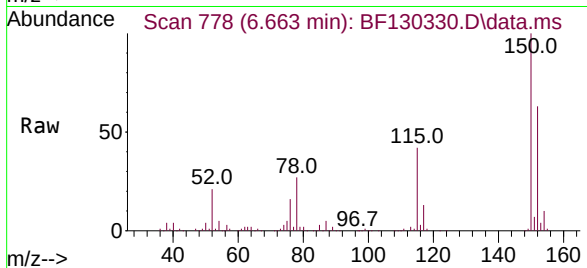
Reviewed By : Christian Giraldo 09/20/2022
Supervised By : Jagrut Upadhyay 09/20/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.663 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

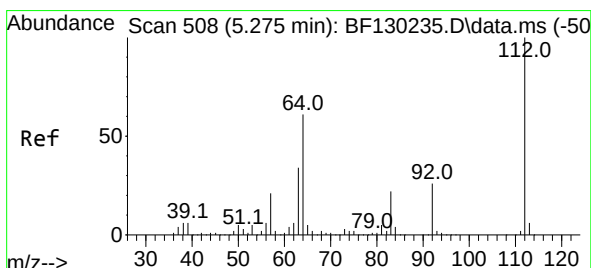
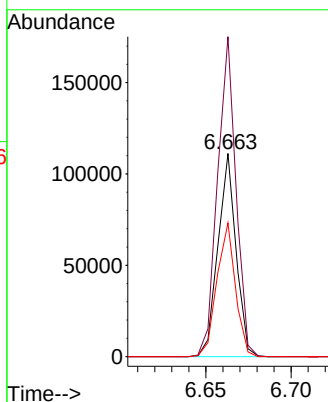
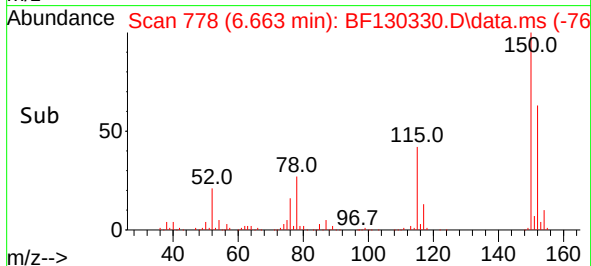
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE



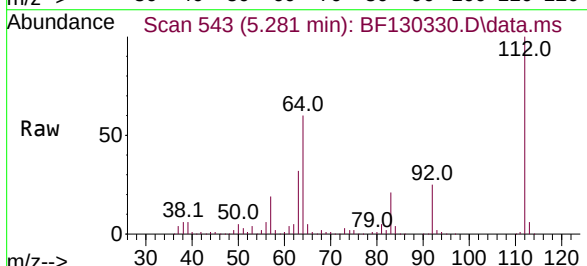
Tgt Ion:152 Resp: 81920
Ion Ratio Lower Upper
152 100
150 157.6 122.8 184.2
115 65.8 53.8 80.8

Manual Integrations
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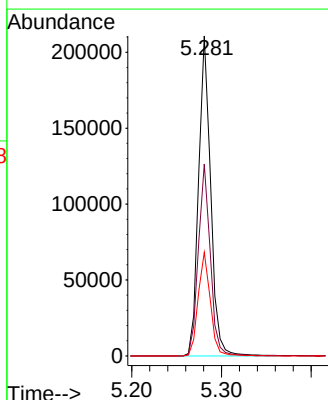
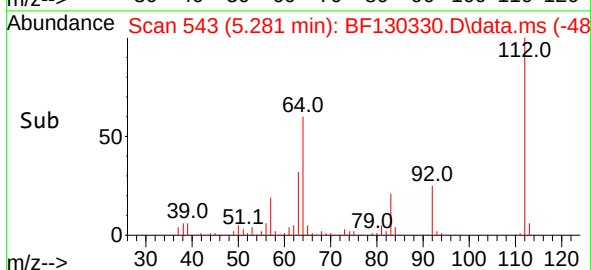
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022

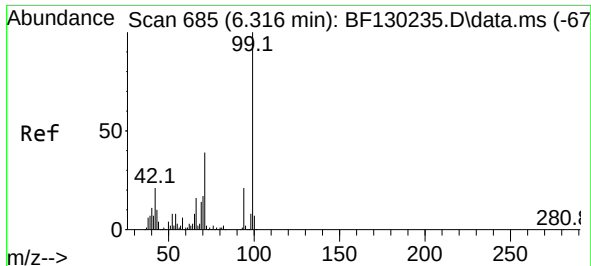


#5
2-Fluorophenol
Concen: 41.742 ng
RT: 5.281 min Scan# 543
Delta R.T. 0.023 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23



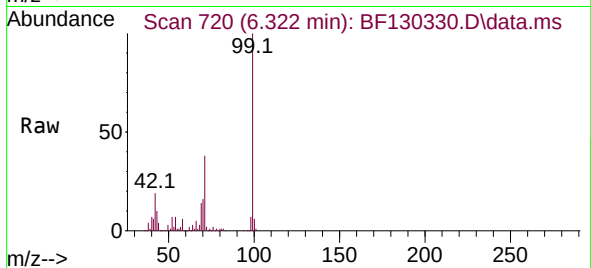
Tgt Ion:112 Resp: 197152
Ion Ratio Lower Upper
112 100
64 60.0 51.4 77.0
63 32.4 28.8 43.2





#7
Phenol-d6
Concen: 43.729 ng
RT: 6.322 min Scan# 71
Delta R.T. 0.023 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

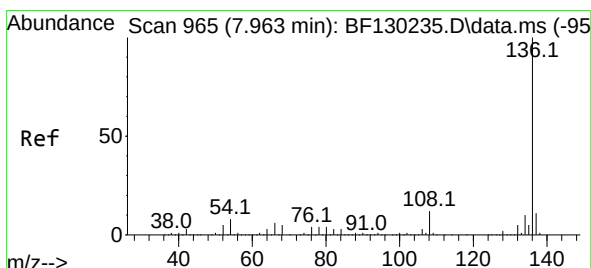
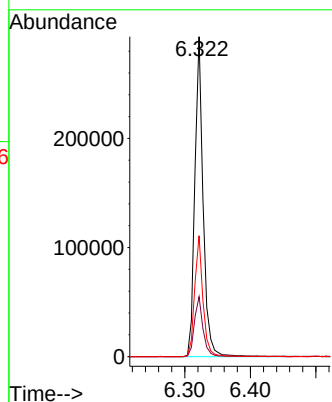
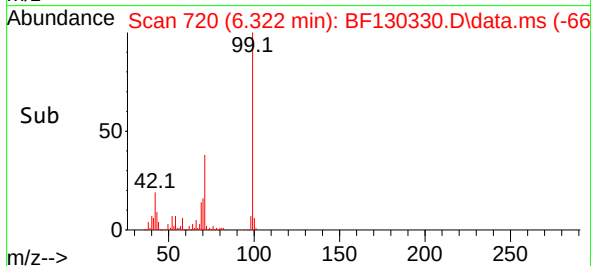
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE



Tgt Ion: 99 Resp: 258421
Ion Ratio Lower Upper
99 100
42 18.7 17.0 25.6
71 37.8 32.3 48.5

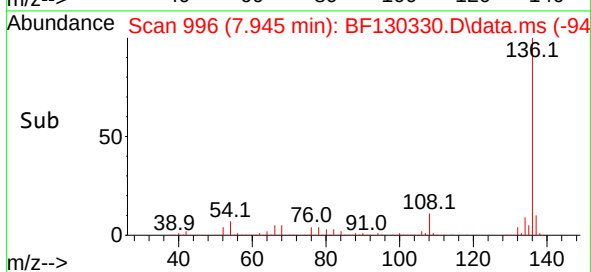
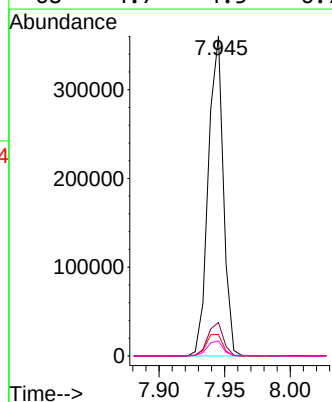
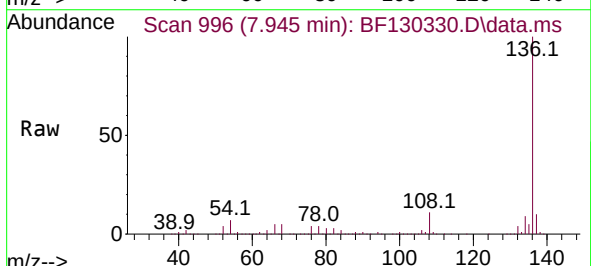
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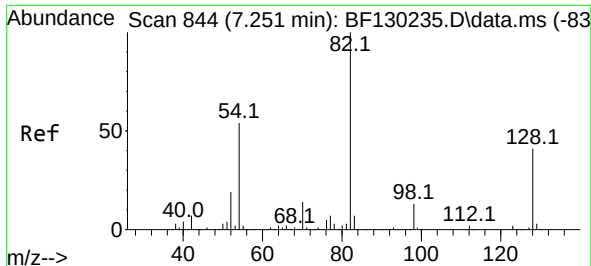
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.945 min Scan# 996
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

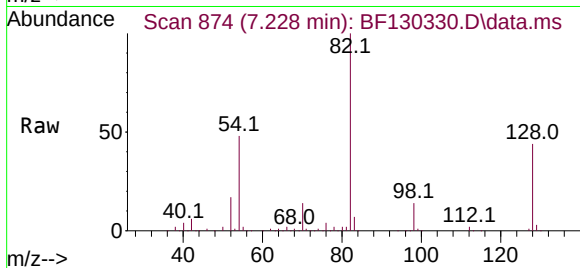
Tgt Ion:136 Resp: 287396
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 6.7 7.1 10.7#
68 4.7 4.5 6.7





#23
Nitrobenzene-d5
Concen: 33.223 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

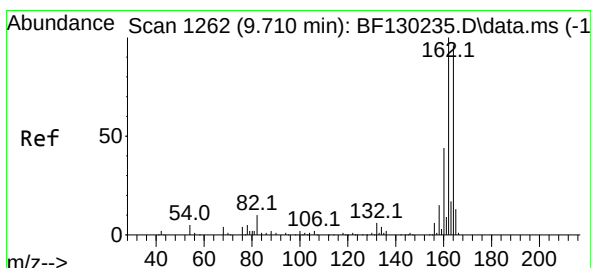
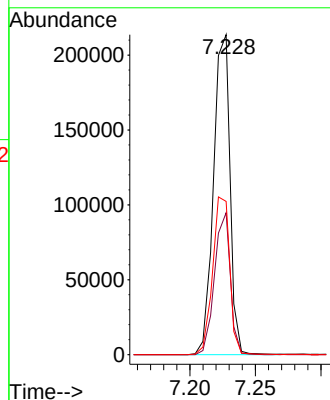
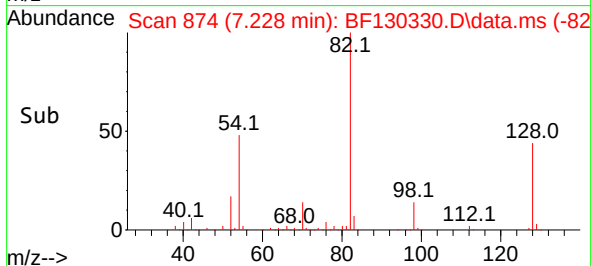
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 186897
Ion Ratio Lower Upper
82 100
128 44.3 32.6 49.0
54 47.9 43.8 65.6

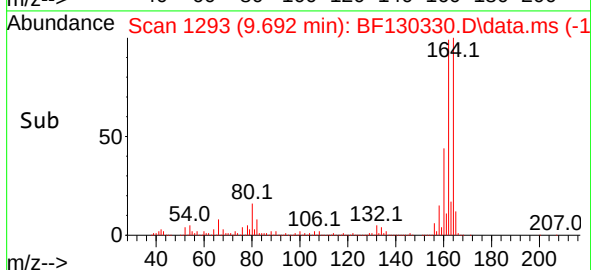
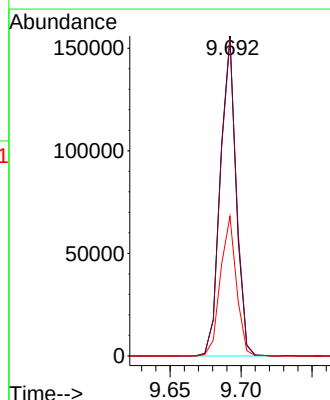
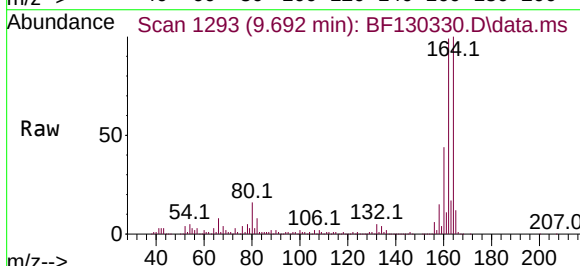
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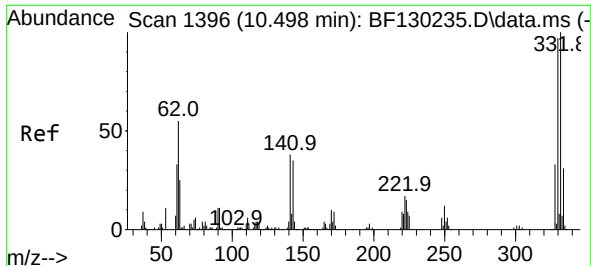
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion:164 Resp: 120099
Ion Ratio Lower Upper
164 100
162 99.0 81.4 122.0
160 43.6 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 34.915 ng
RT: 10.480 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Instrument :

BNA_F

ClientSampleId :

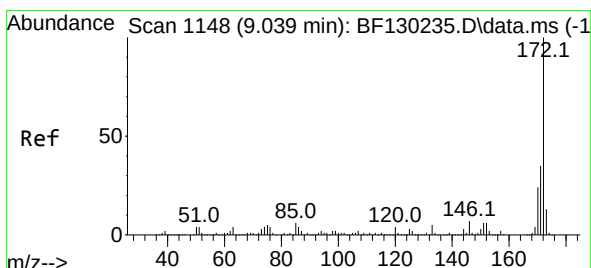
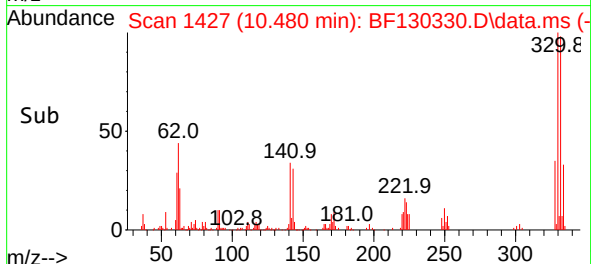
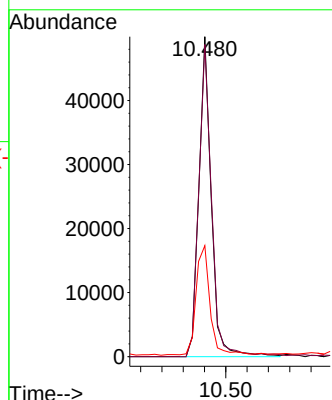
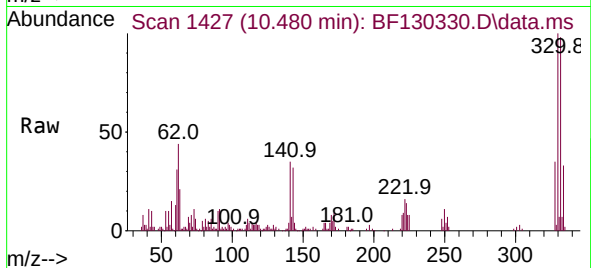
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Tgt Ion:330 Resp: 40179
Ion Ratio Lower Upper
330 100
332 99.5 83.4 125.2
141 38.9 34.0 51.0

Manual Integrations

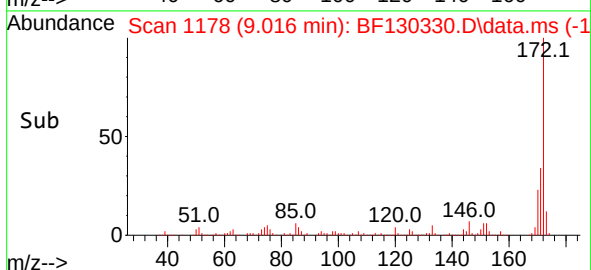
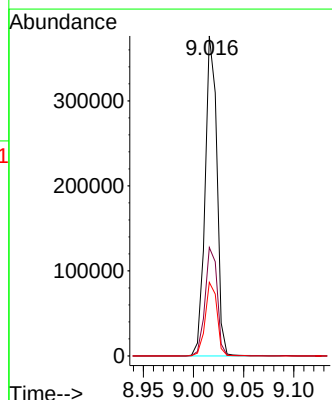
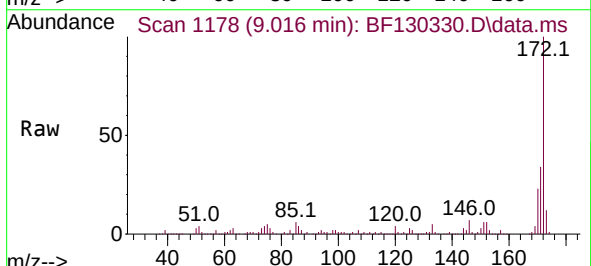
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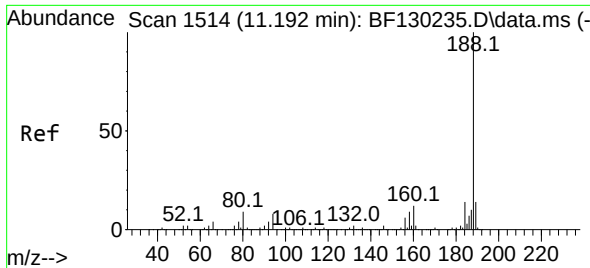
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#45
2-Fluorobiphenyl
Concen: 37.232 ng
RT: 9.016 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion:172 Resp: 307070
Ion Ratio Lower Upper
172 100
171 33.9 28.3 42.5
170 23.0 18.7 28.1





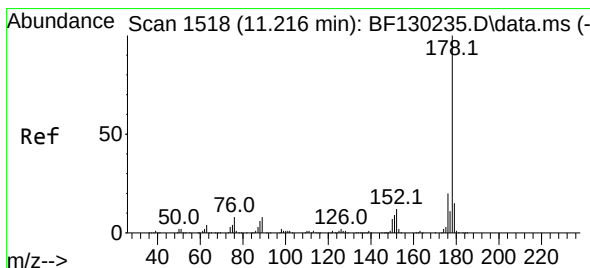
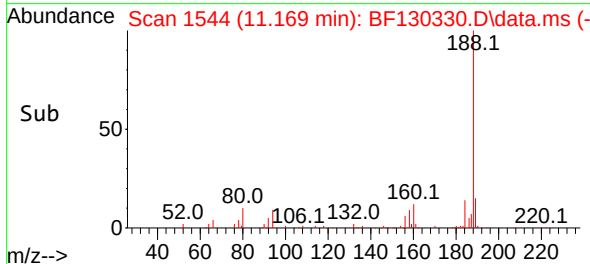
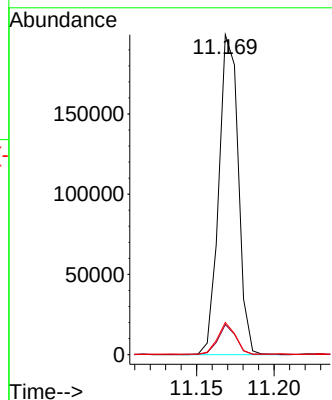
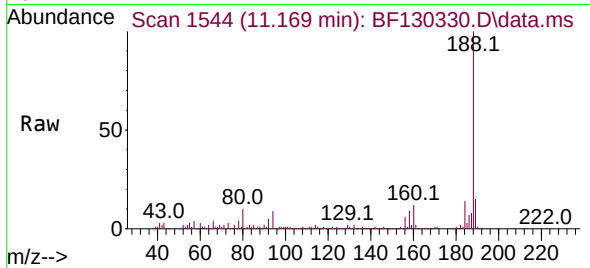
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE

Tgt Ion:188 Resp: 174103
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.1 7.9 11.9

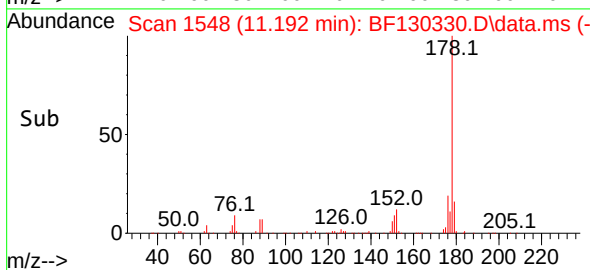
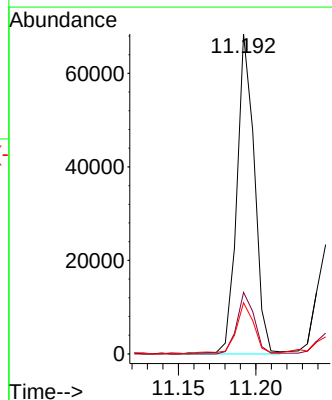
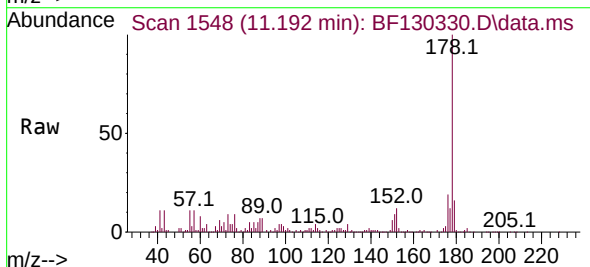
Manual Integrations
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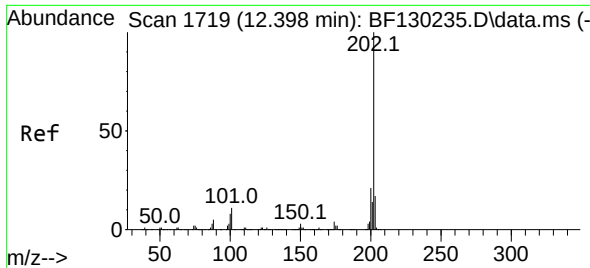
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#71
Phenanthrene
Concen: 5.509 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

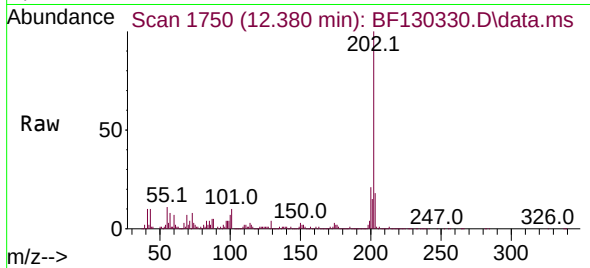
Tgt Ion:178 Resp: 53853
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 16.0 12.4 18.6





#75
Fluoranthene
Concen: 19.643 ng
RT: 12.380 min Scan# 1719
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

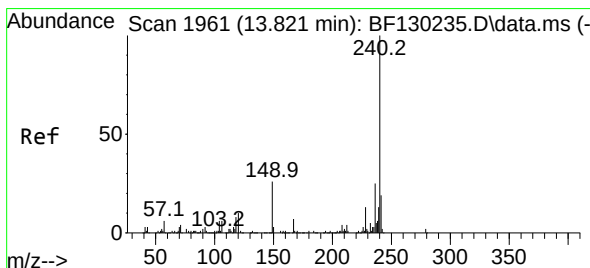
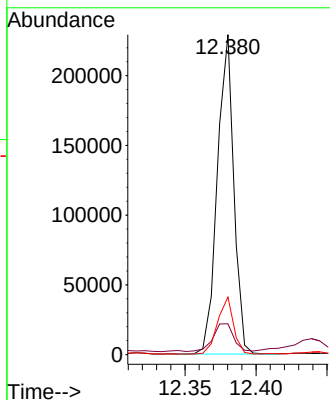
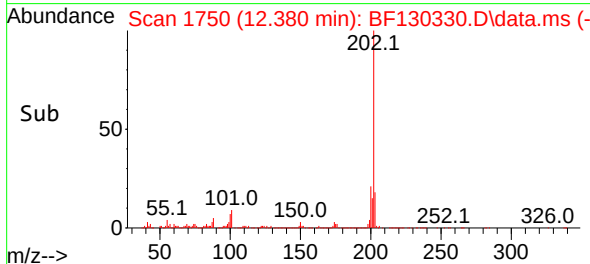
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE



Tgt Ion:202 Resp: 185535
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.8
203 18.0 0.0 37.8

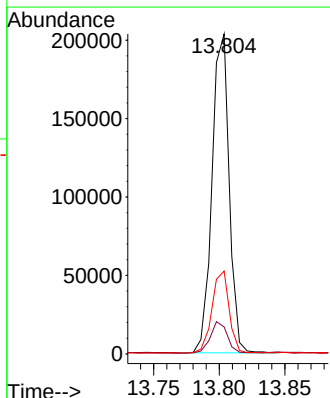
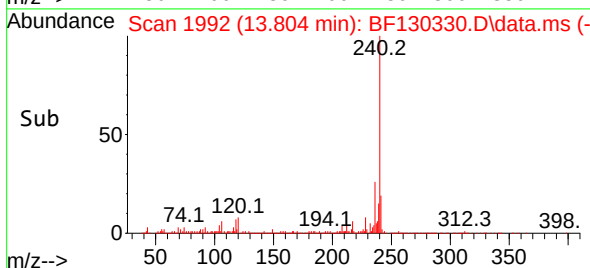
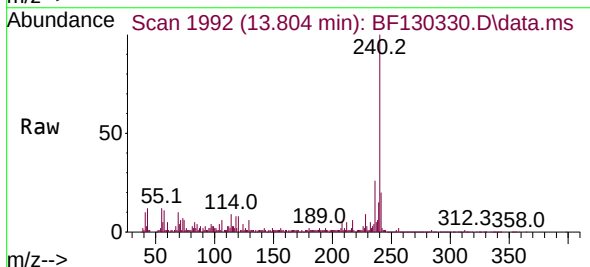
Manual Integrations
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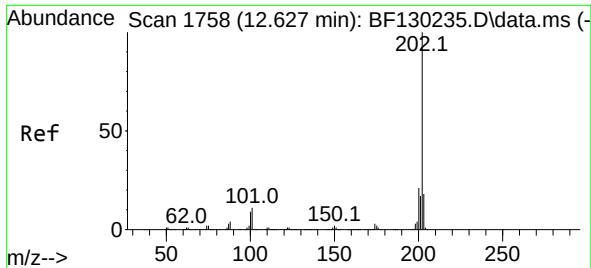
Reviewed By :Christian Giraldo 09/20/2022
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.804 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

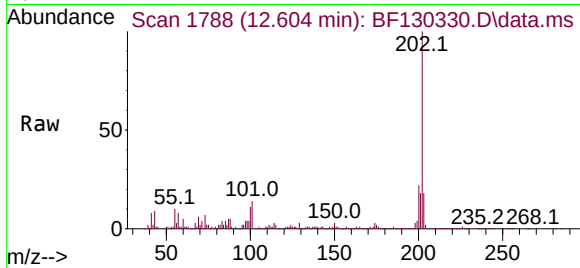
Tgt Ion:240 Resp: 185504
Ion Ratio Lower Upper
240 100
120 8.4 8.7 13.1#
236 25.9 20.9 31.3





#78
 Pyrene
 Concen: 11.155 ng
 RT: 12.604 min Scan# 181026
 Delta R.T. -0.006 min
 Lab File: BF130330.D
 Acq: 19 Sep 2022 20:23

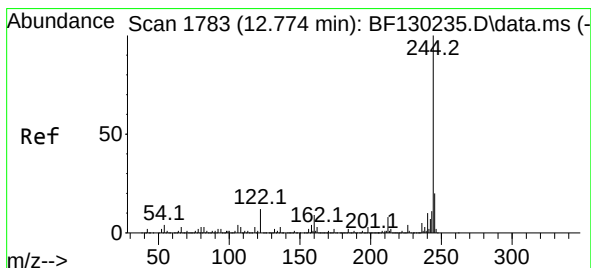
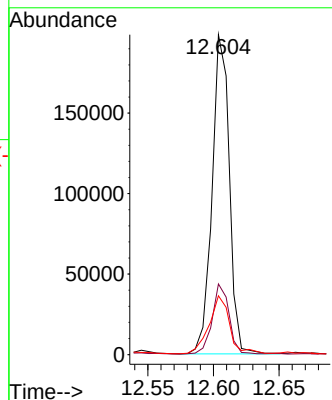
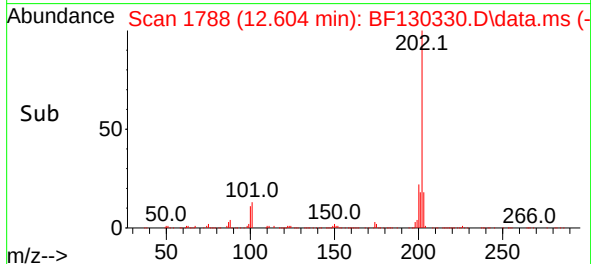
Instrument :
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 HR-02-091522RE



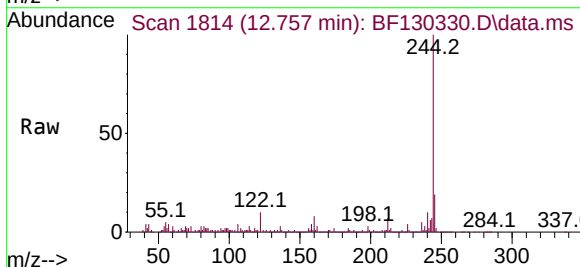
Tgt Ion:202 Resp: 181026
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.2 25.8
 203 18.4 14.3 21.5

Manual Integrations
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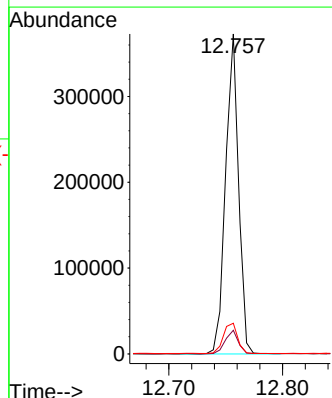
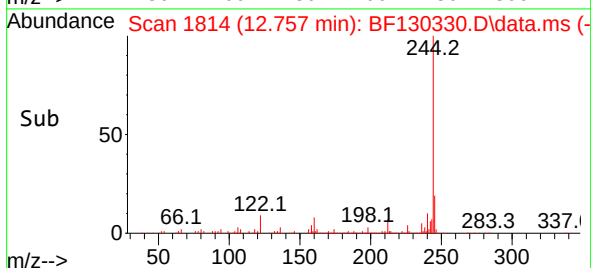
Reviewed By :Christian Giraldo 09/20/2022
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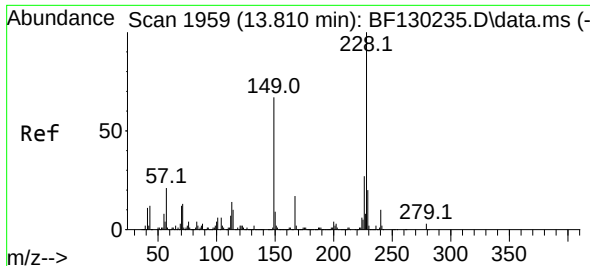


#79
 Terphenyl-d14
 Concen: 26.275 ng
 RT: 12.757 min Scan# 1814
 Delta R.T. -0.000 min
 Lab File: BF130330.D
 Acq: 19 Sep 2022 20:23



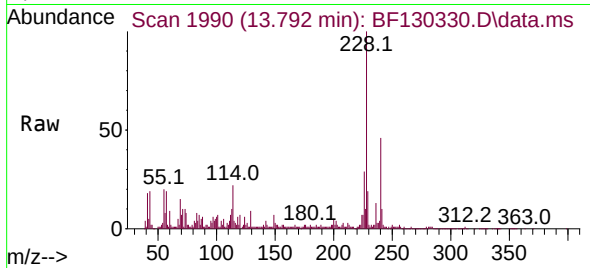
Tgt Ion:244 Resp: 294249
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 9.6 8.5 12.7





#81
Benzo(a)anthracene
Concen: 9.395 ng
RT: 13.792 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

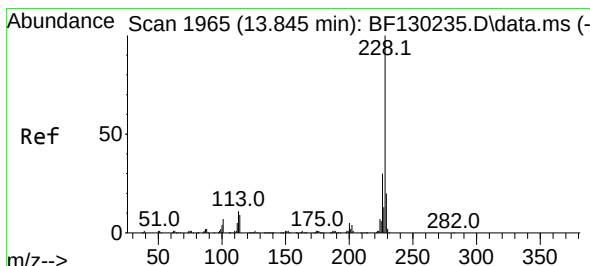
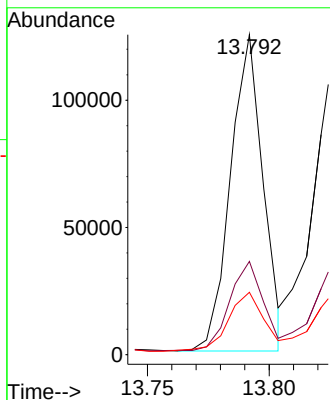
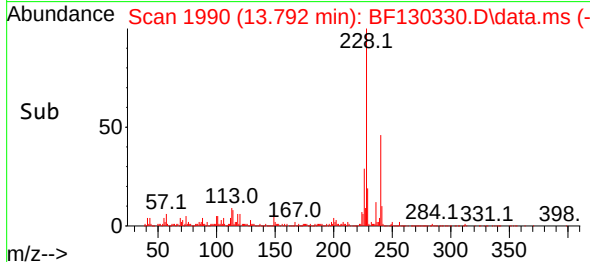
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE



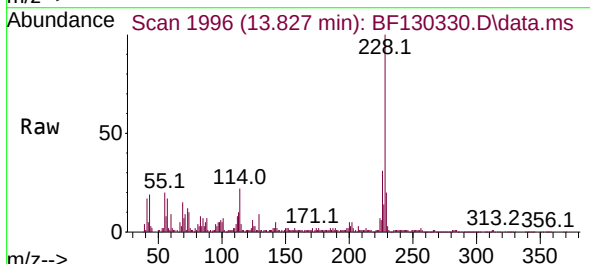
Tgt Ion:228 Resp: 115946
Ion Ratio Lower Upper
228 100
226 29.1 21.9 32.9
229 19.5 16.1 24.1

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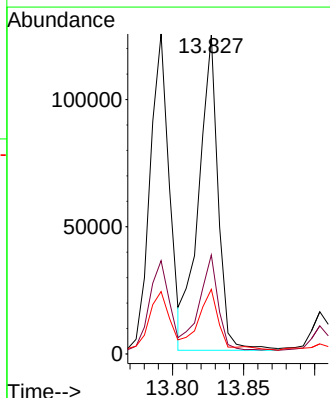
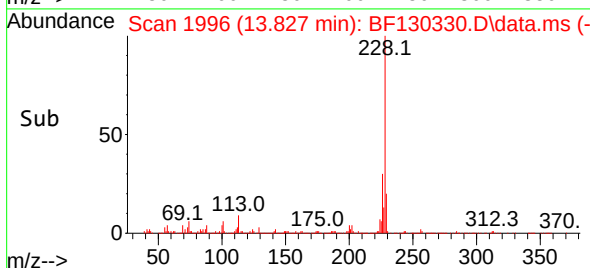
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022

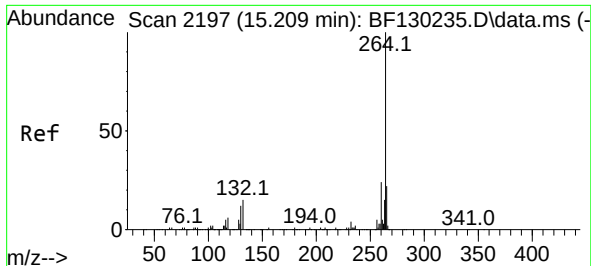


#83
Chrysene
Concen: 10.061 ng
RT: 13.827 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23



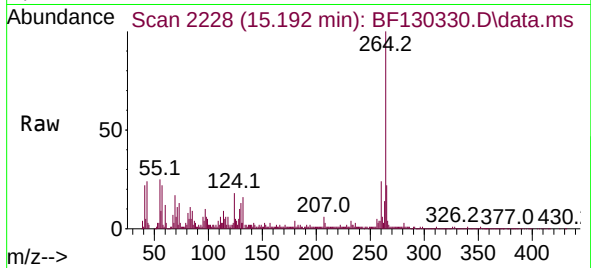
Tgt Ion:228 Resp: 117895
Ion Ratio Lower Upper
228 100
226 31.0 23.8 35.8
229 20.2 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.192 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

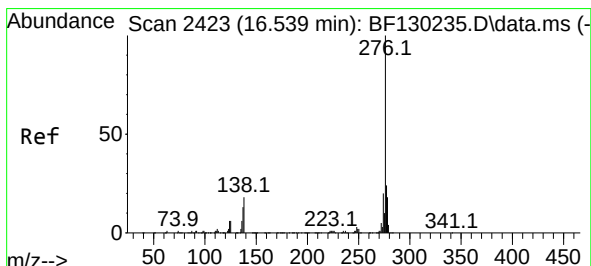
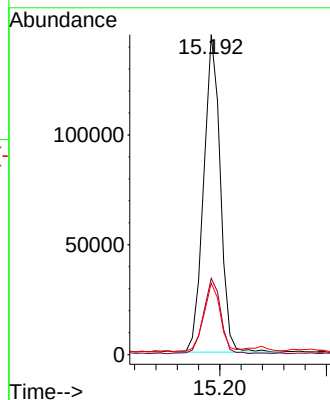
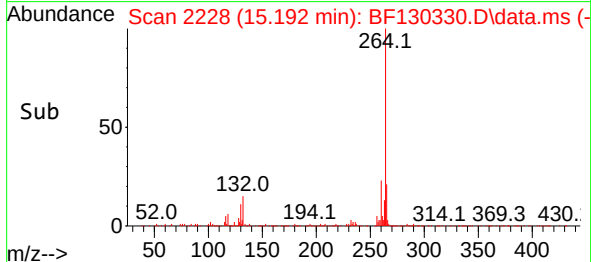
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE



Tgt Ion:264 Resp: 15585
Ion Ratio Lower Upper
264 100
260 23.8 19.3 28.9
265 22.3 17.0 25.4

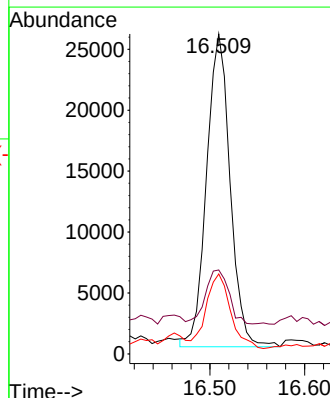
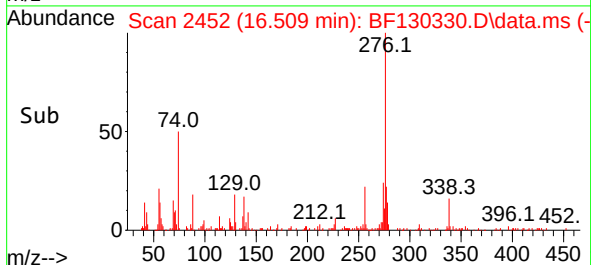
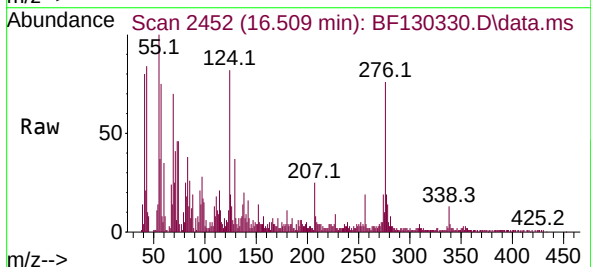
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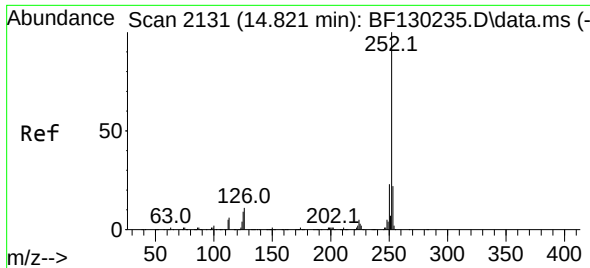
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.009 ng
RT: 16.509 min Scan# 2452
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

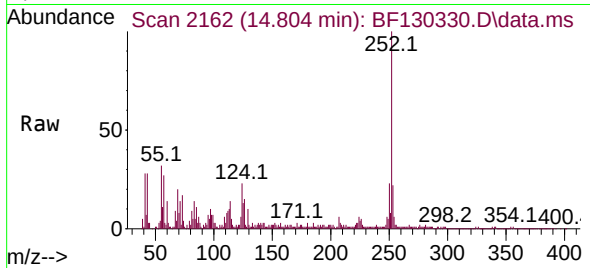
Tgt Ion:276 Resp: 44314
Ion Ratio Lower Upper
276 100
138 17.3 18.5 27.7#
277 24.6 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 15.414 ng m
RT: 14.804 min Scan# 2162
Delta R.T. 0.006 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

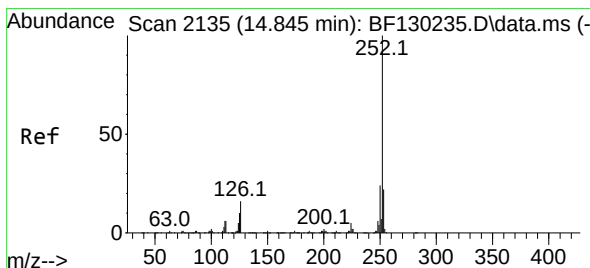
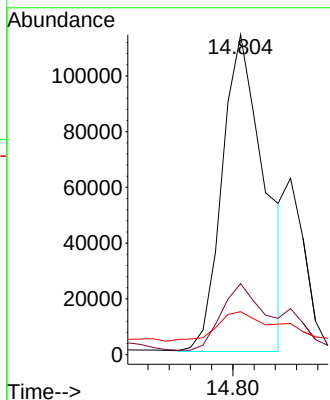
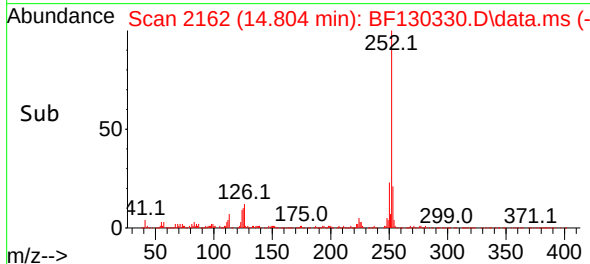
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE



Tgt Ion:252 Resp: 156803
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 13.4 8.1 12.1

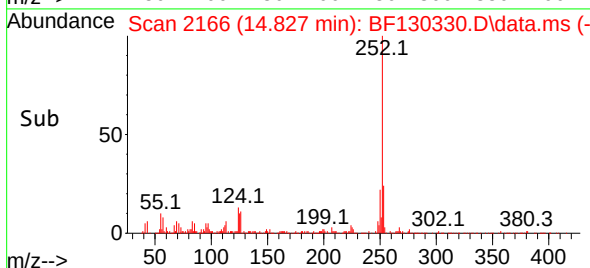
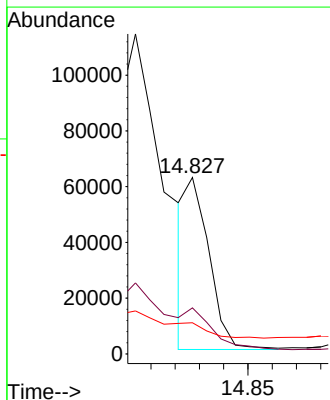
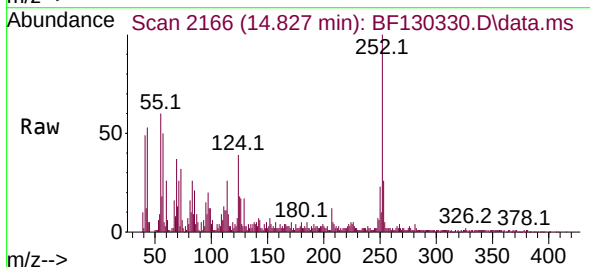
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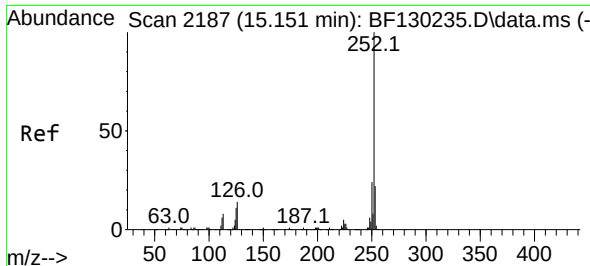
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#89
Benzo(k)fluoranthene
Concen: 4.102 ng m
RT: 14.827 min Scan# 2166
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion:252 Resp: 41044
Ion Ratio Lower Upper
252 100
253 26.1 17.4 26.2
125 17.7 7.9 11.9





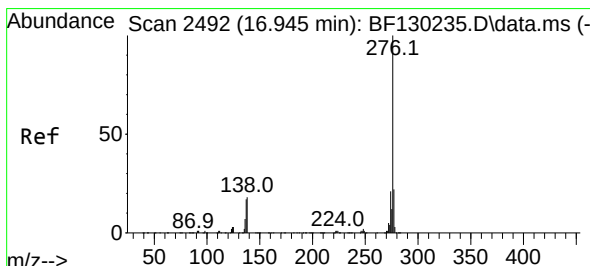
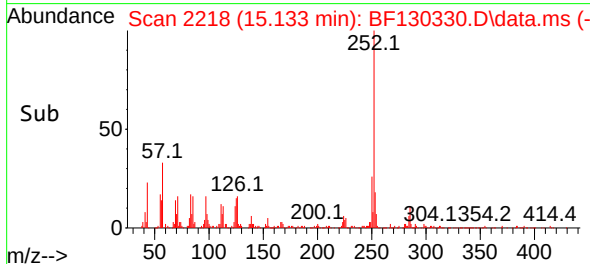
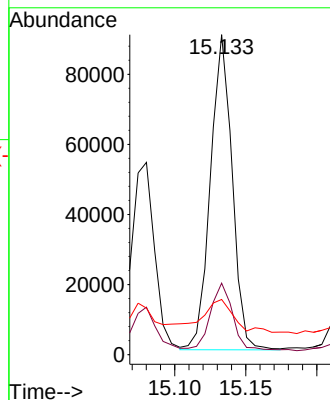
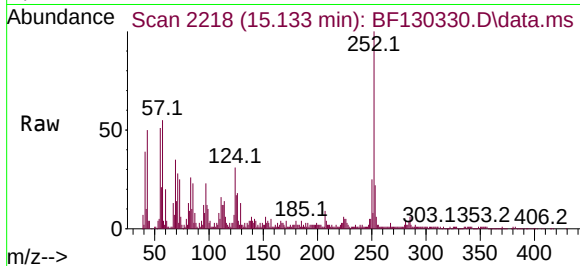
#90
Benzo(a)pyrene
Concen: 11.890 ng
RT: 15.133 min Scan# 2187
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE

Tgt Ion:252 Resp: 95822
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 17.2 9.0 13.6

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Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#92
Benzo(g,h,i)perylene
Concen: 4.296 ng
RT: 16.903 min Scan# 2519
Delta R.T. -0.006 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion:276 Resp: 39240
Ion Ratio Lower Upper
276 100
277 22.9 18.6 27.8
138 29.7 14.6 21.8

