

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011123\
 Data File : BF132030.D
 Acq On : 11 Jan 2023 19:01
 Operator : CG\JU
 Sample : 01080-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3-(10-12)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/12/2023
 Supervised By : Jagrut Upadhyay 01/12/2023

Quant Time: Jan 12 00:37:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	86685	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	325636	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	186635	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	316181	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	136773	20.000	ng	-0.01
86) Perylene-d12	15.439	264	153703	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	405417	77.065	ng	0.00
7) Phenol-d6	6.422	99	610676	87.551	ng	-0.01
23) Nitrobenzene-d5	7.351	82	441420	56.261	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	118533	55.237	ng	-0.02
45) 2-Fluorobiphenyl	9.151	172	724109	52.376	ng	-0.01
79) Terphenyl-d14	12.916	244	516835	54.160	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	108973	6.611	ng	100
75) Fluoranthene	12.539	202	174648	9.422	ng	99
78) Pyrene	12.769	202	185072	14.836	ng	98
81) Benzo(a)anthracene	13.963	228	76163	7.654	ng	98
83) Chrysene	13.998	228	62297	6.699	ng	99
87) Indeno(1,2,3-cd)pyrene	16.892	276	36270	3.848	ng	97
88) Benzo(b)fluoranthene	15.010	252	83424m	7.913	ng	
90) Benzo(a)pyrene	15.374	252	62602	6.591	ng	# 95
92) Benzo(g,h,i)perylene	17.333	276	35270	7.387	ng	99

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

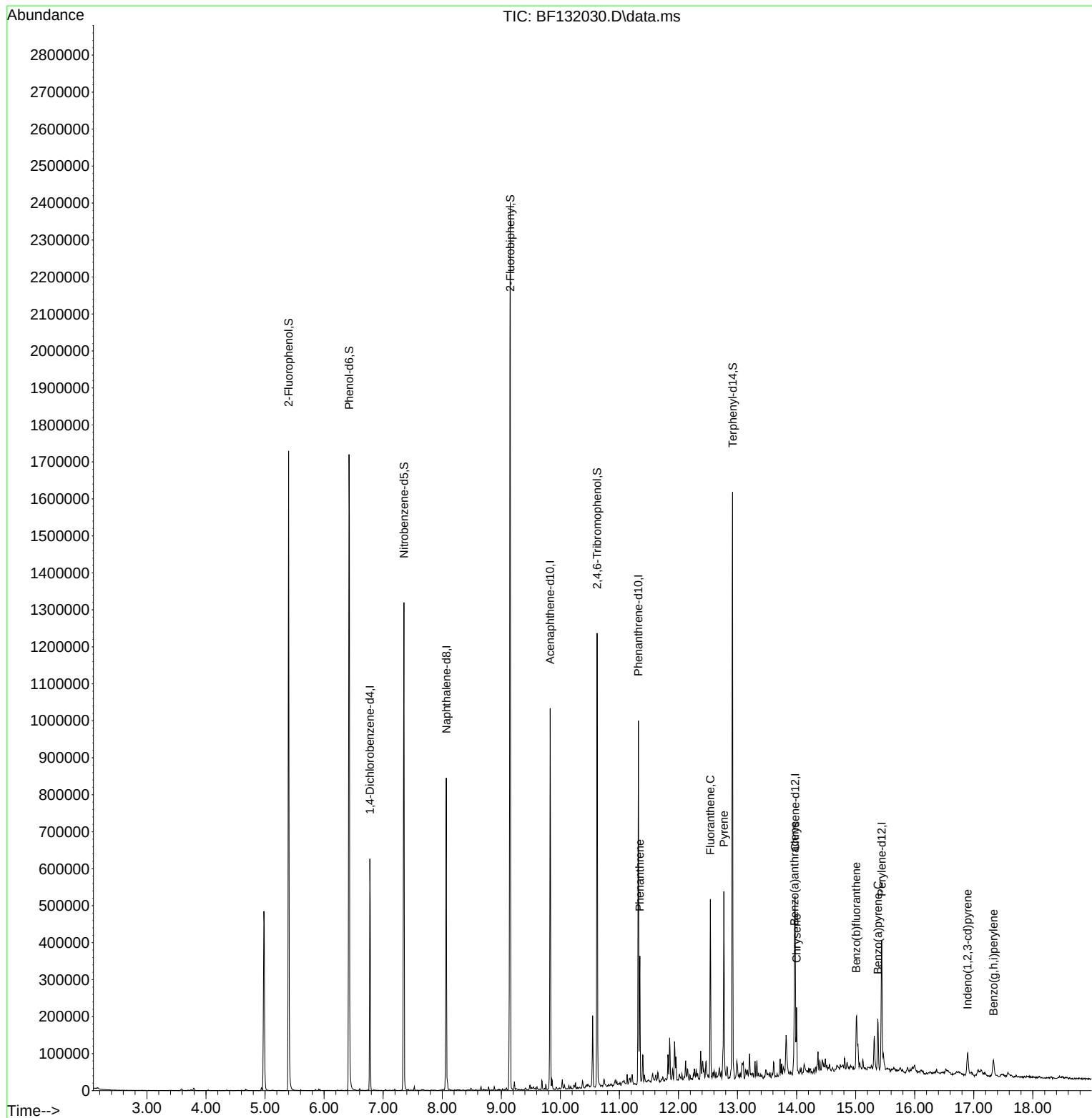
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011123\
Data File : BF132030.D
Acq On : 11 Jan 2023 19:01
Operator : CG\JU
Sample : 01080-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

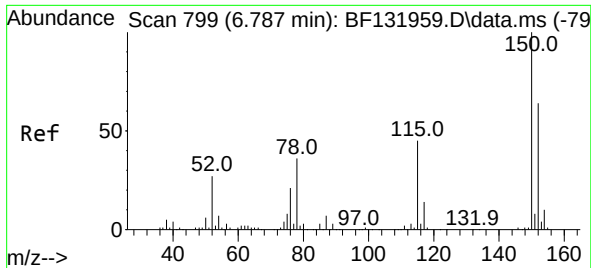
Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)

Quant Time: Jan 12 00:37:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 10 00:32:25 2023
Response via : Initial Calibration

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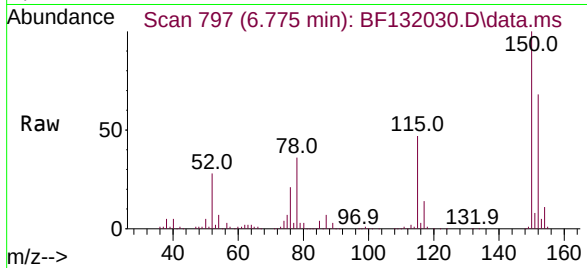
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

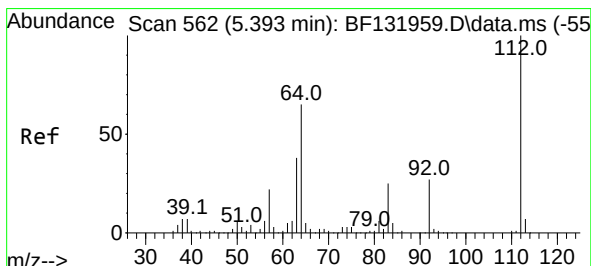
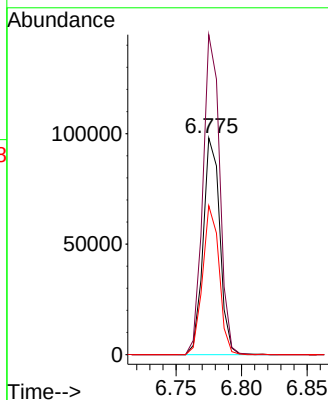
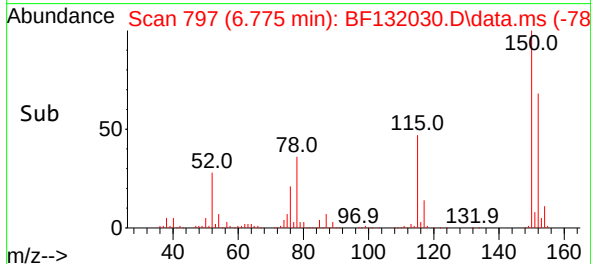
Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)



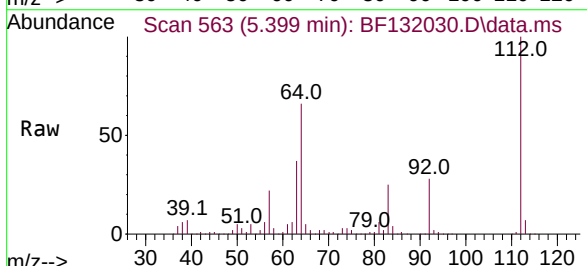
Tgt Ion:152 Resp: 86685
Ion Ratio Lower Upper
152 100
150 147.6 124.6 186.8
115 68.7 55.6 83.4

Manual Integrations
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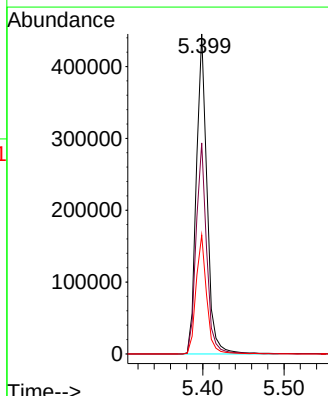
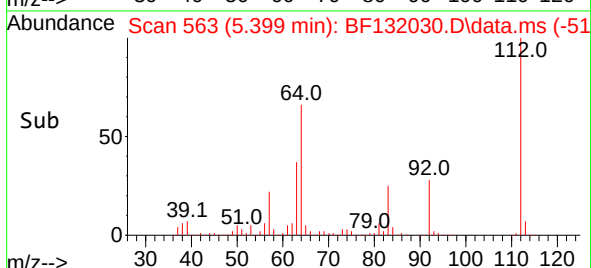
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023

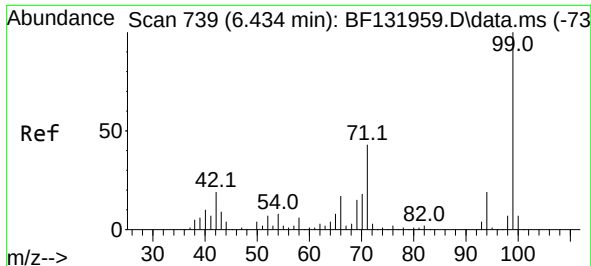


#5
2-Fluorophenol
Concen: 77.065 ng
RT: 5.399 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01



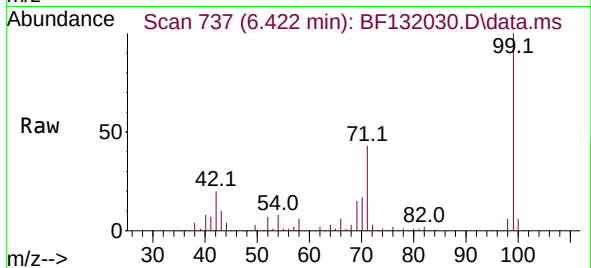
Tgt Ion:112 Resp: 405417
Ion Ratio Lower Upper
112 100
64 65.9 51.9 77.9
63 37.1 30.2 45.2





#7
Phenol-d6
Concen: 87.551 ng
RT: 6.422 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

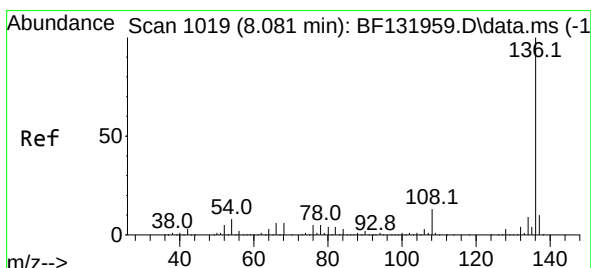
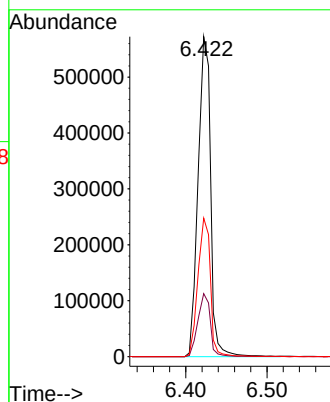
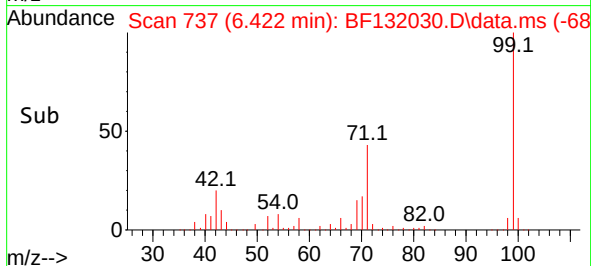
Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)



Tgt Ion: 99 Resp: 610676
Ion Ratio Lower Upper
99 100
42 19.7 15.4 23.2
71 43.3 34.6 51.8

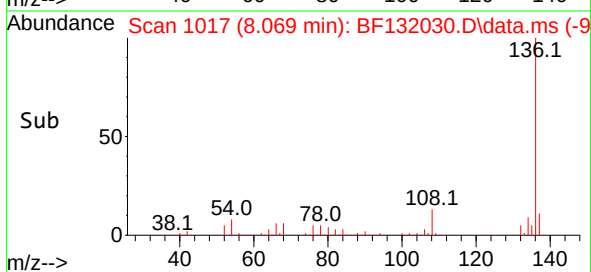
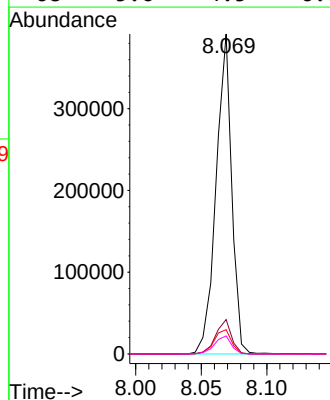
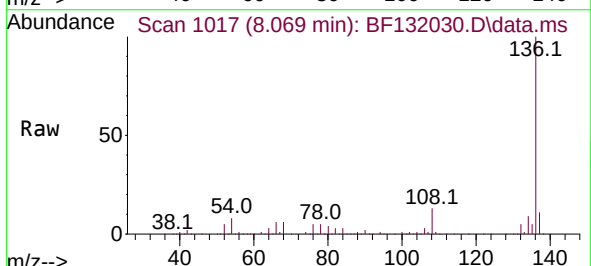
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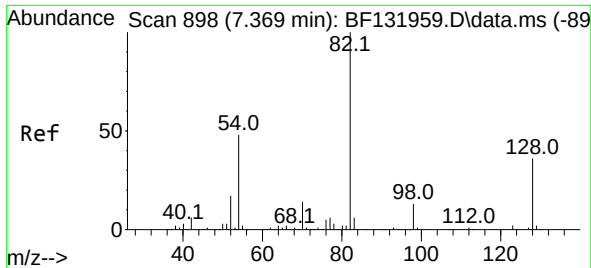
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

Tgt Ion:136 Resp: 325636
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.2
54 7.6 6.6 9.8
68 5.6 4.5 6.7





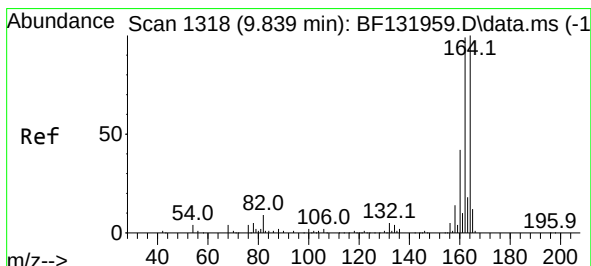
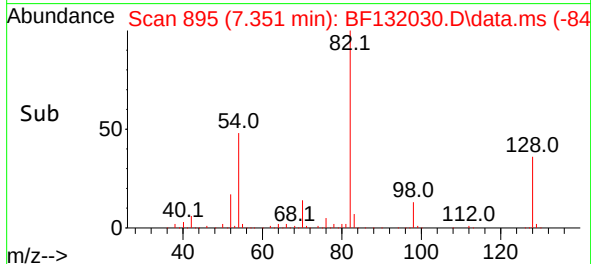
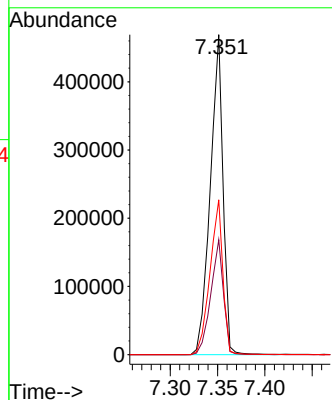
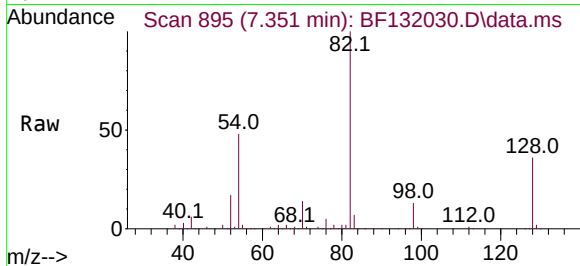
#23
Nitrobenzene-d5
Concen: 56.261 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)

Tgt Ion: 82 Resp: 441420
Ion Ratio Lower Upper
82 100
128 35.9 28.7 43.1
54 48.4 38.1 57.1

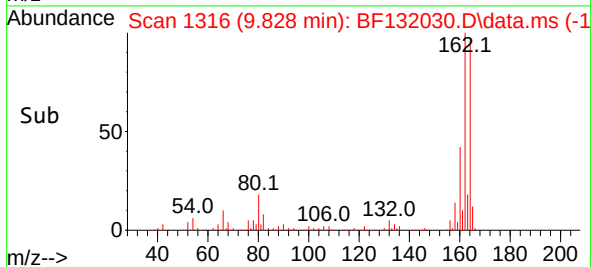
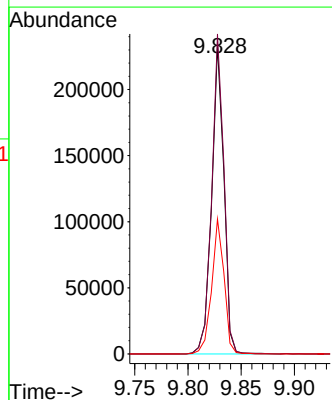
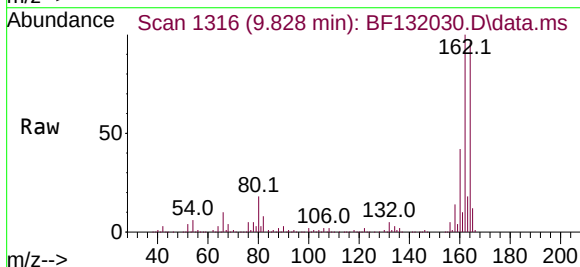
Manual Integrations
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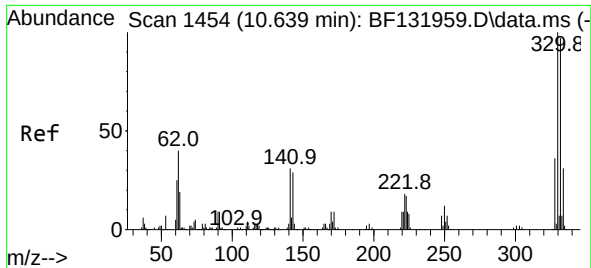
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

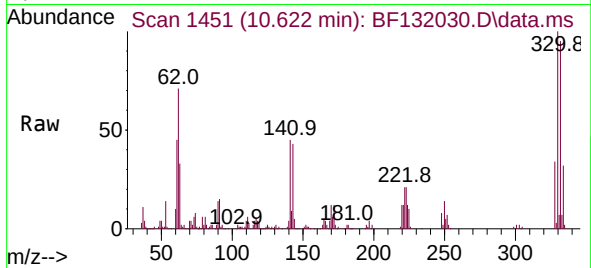
Tgt Ion:164 Resp: 186635
Ion Ratio Lower Upper
164 100
162 103.9 79.4 119.0
160 43.8 33.9 50.9





#42
2,4,6-Tribromophenol
Concen: 55.237 ng
RT: 10.622 min Scan# 1454
Delta R.T. -0.018 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

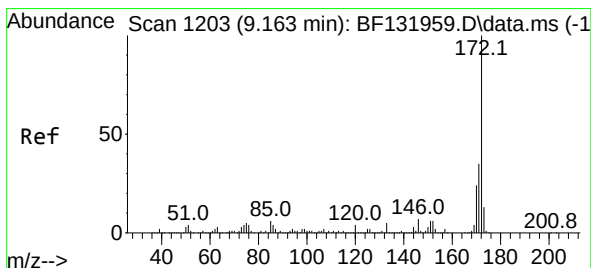
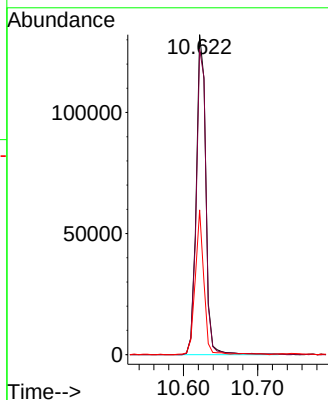
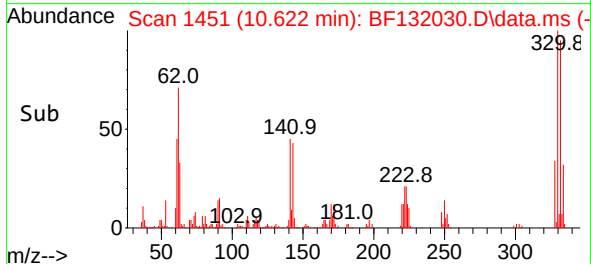
Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)



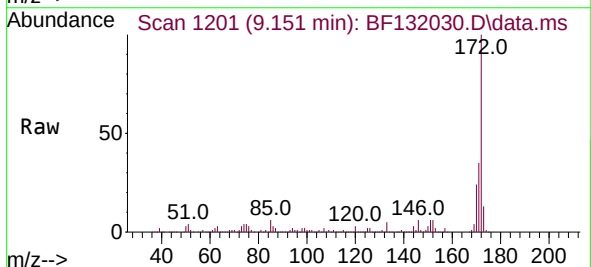
Tgt Ion:330 Resp: 118533
Ion Ratio Lower Upper
330 100
332 97.1 76.9 115.3
141 40.8 31.3 46.9

Manual Integrations
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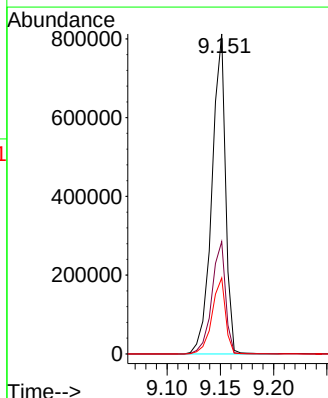
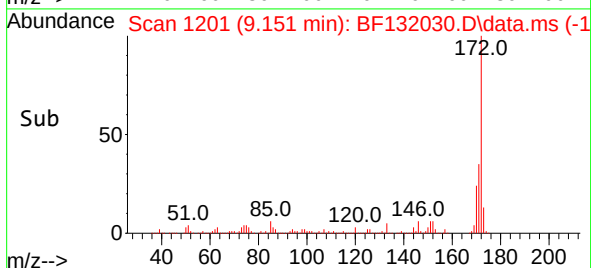
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023

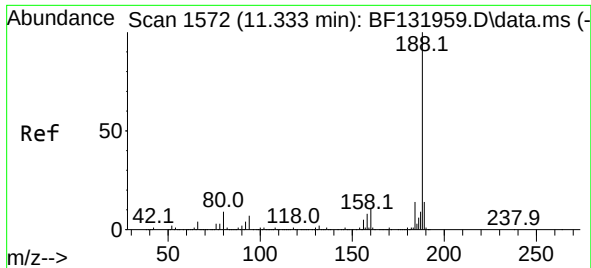


#45
2-Fluorobiphenyl
Concen: 52.376 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01



Tgt Ion:172 Resp: 724109
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.7 18.9 28.3





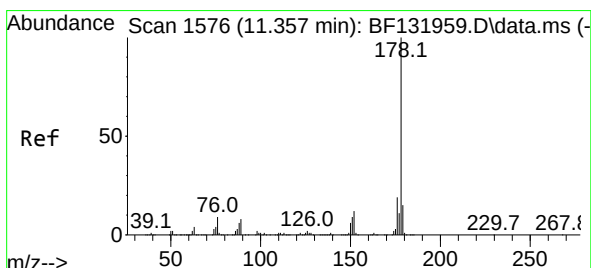
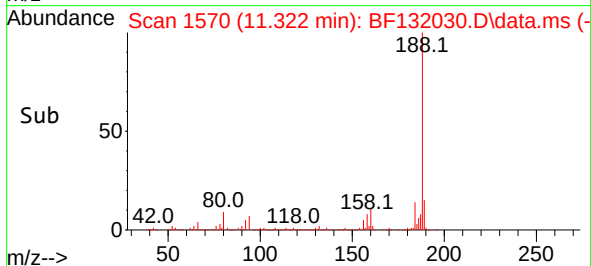
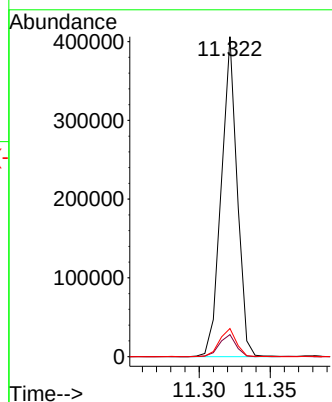
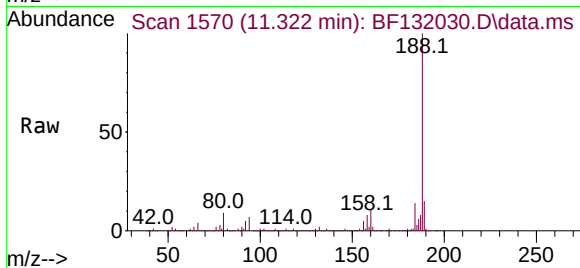
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)

Tgt Ion:188 Resp: 31618
Ion Ratio Lower Upper
188 100
94 6.9 5.8 8.6
80 8.8 7.4 11.0

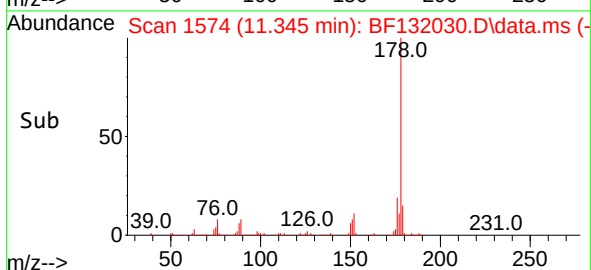
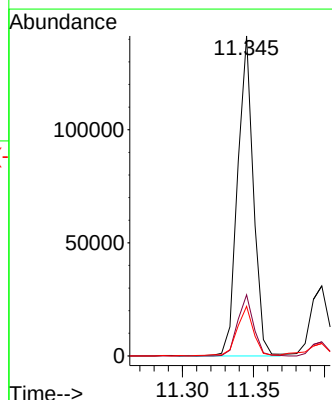
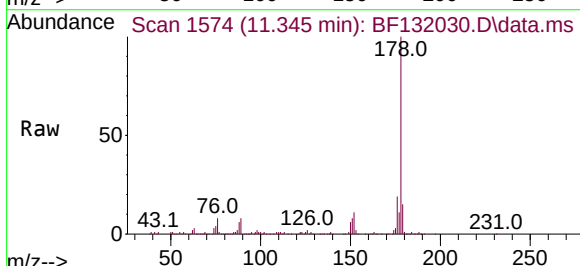
Manual Integrations
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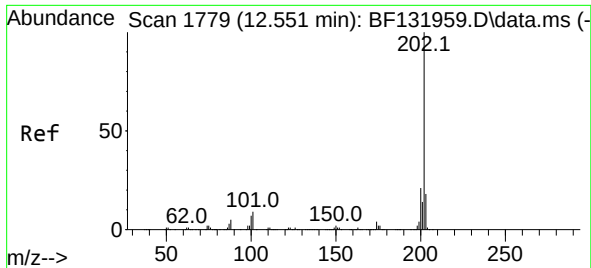
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#71
Phenanthrene
Concen: 6.611 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

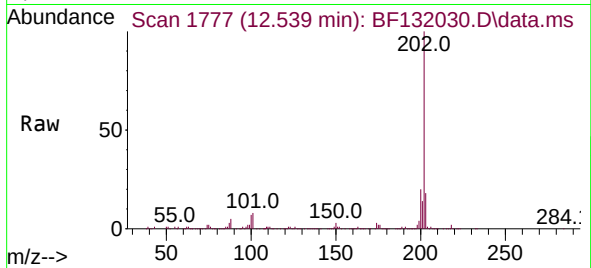
Tgt Ion:178 Resp: 108973
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 9.422 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

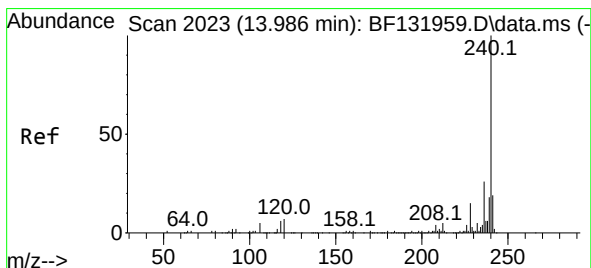
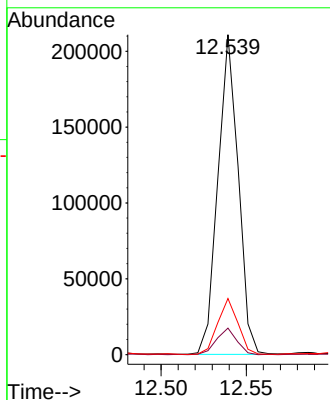
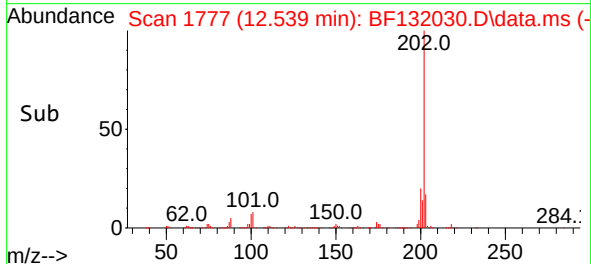
Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)



Tgt Ion:202 Resp: 174648
Ion Ratio Lower Upper
202 100
101 8.3 0.0 28.8
203 17.5 0.0 37.6

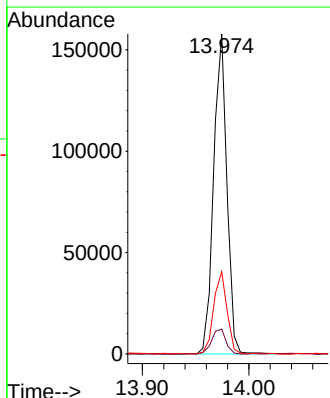
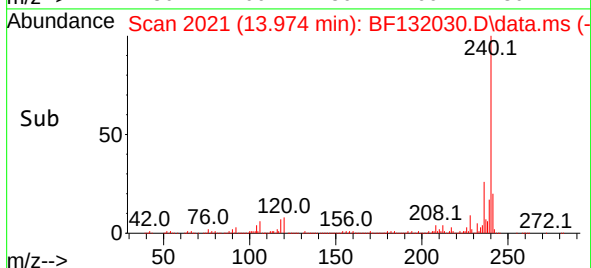
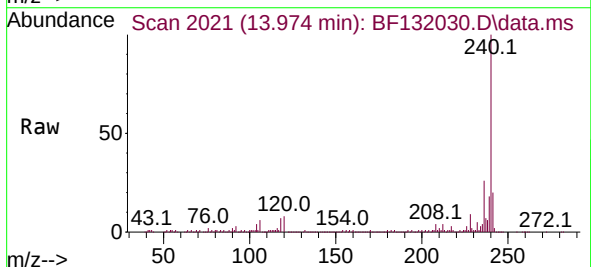
Manual Integrations
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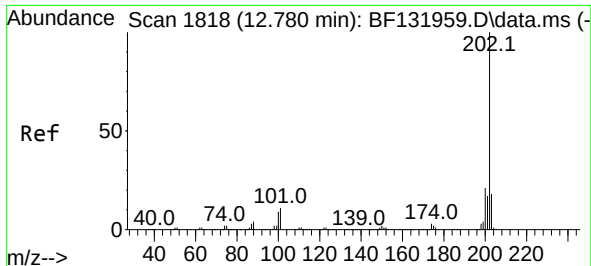
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

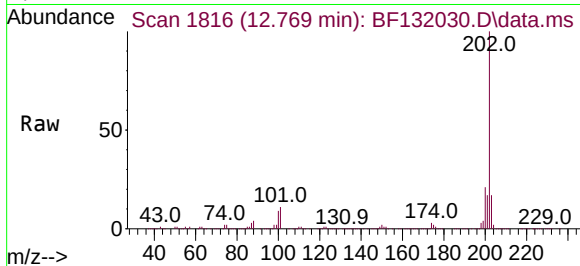
Tgt Ion:240 Resp: 136773
Ion Ratio Lower Upper
240 100
120 7.7 5.4 8.0
236 25.7 21.1 31.7





#78
 Pyrene
 Concen: 14.836 ng
 RT: 12.769 min Scan# 1818
 Delta R.T. -0.012 min
 Lab File: BF132030.D
 Acq: 11 Jan 2023 19:01

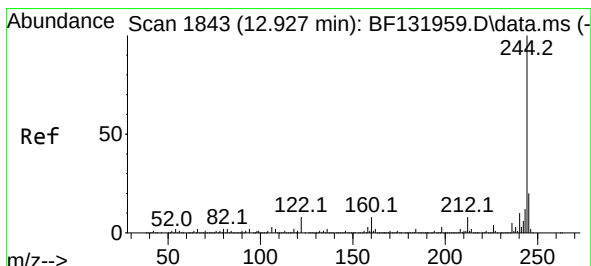
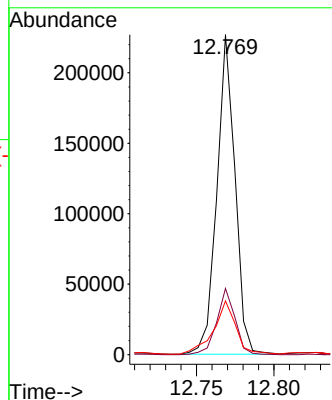
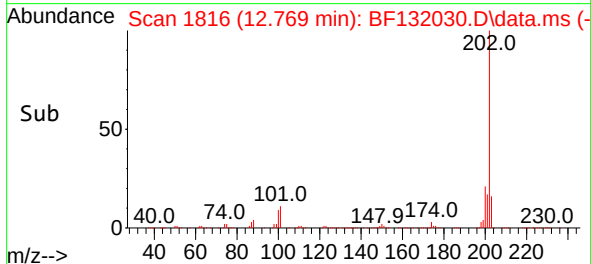
Instrument :
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 B-3-(10-12)



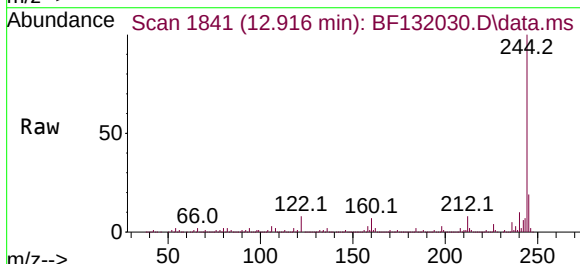
Tgt Ion:202 Resp: 185072
 Ion Ratio Lower Upper
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 200 20.7 17.0 25.6
 203 16.8 14.1 21.1

Manual Integrations
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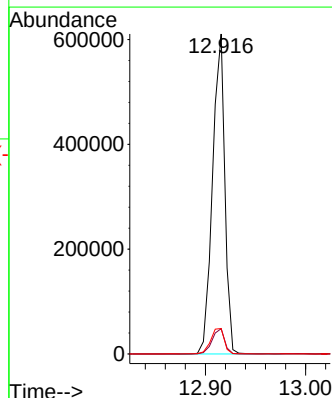
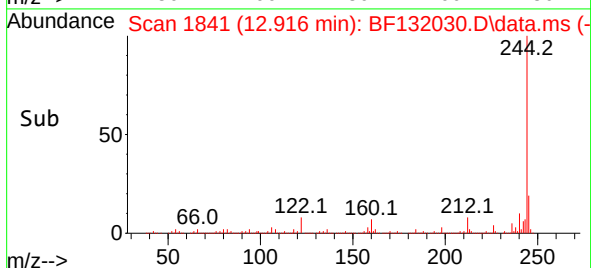
Reviewed By :Christian Giraldo 01/12/2023
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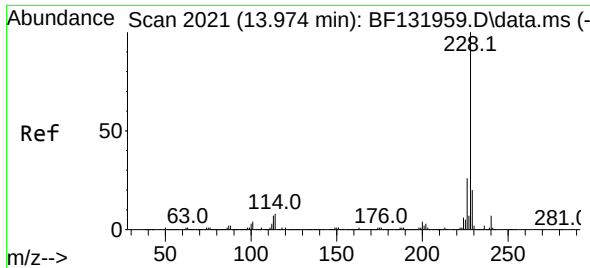


#79
 Terphenyl-d14
 Concen: 54.160 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF132030.D
 Acq: 11 Jan 2023 19:01



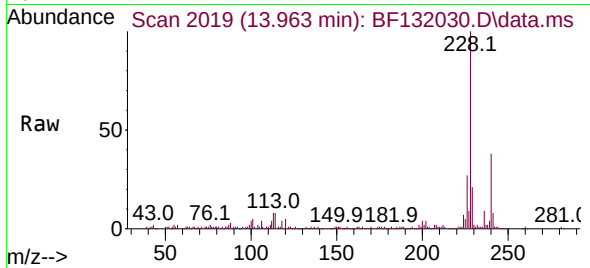
Tgt Ion:244 Resp: 516835
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.3 9.5
 122 7.9 6.8 10.2





#81
Benzo(a)anthracene
Concen: 7.654 ng
RT: 13.963 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

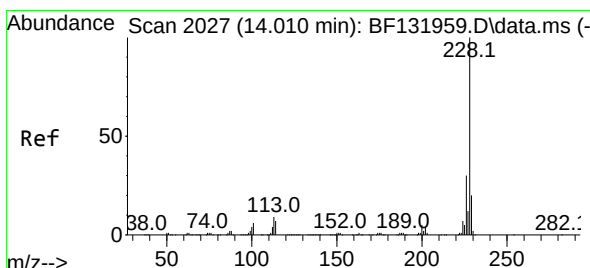
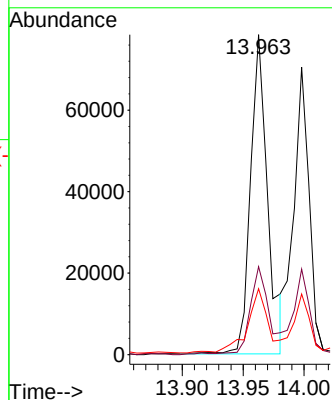
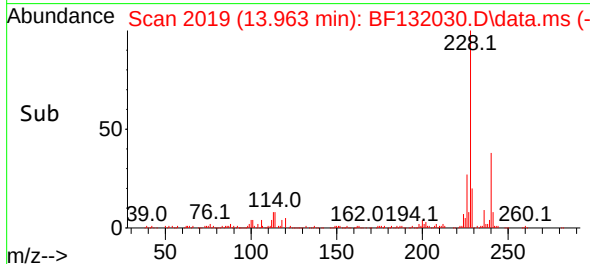
Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)



Tgt Ion:228 Resp: 76163
Ion Ratio Lower Upper
228 100
226 27.5 21.0 31.4
229 20.6 15.8 23.6

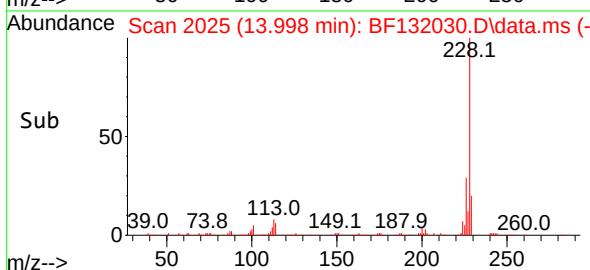
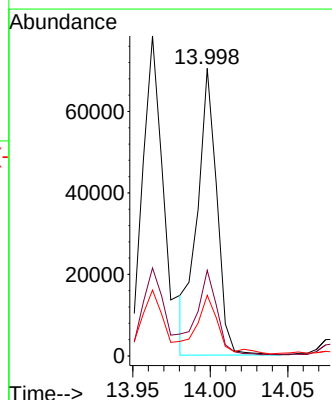
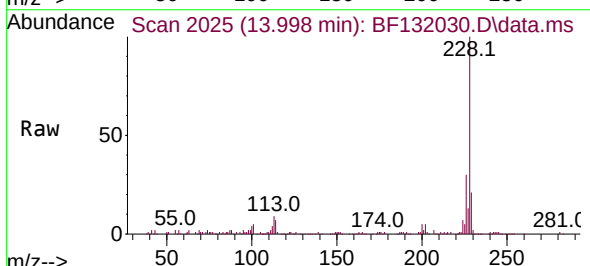
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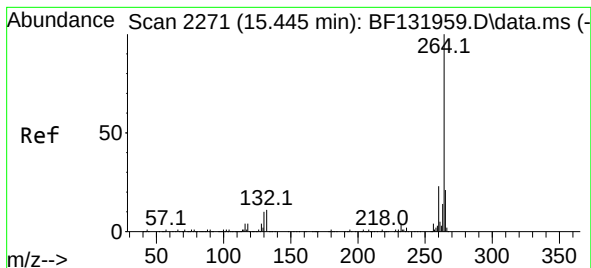
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#83
Chrysene
Concen: 6.699 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

Tgt Ion:228 Resp: 62297
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 21.1 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

Instrument :

BNA_F

ClientSampleId :

B-3-(10-12)

Tgt Ion:264 Resp: 153703

Ion Ratio Lower Upper

264 100

260 24.1 18.3 27.5

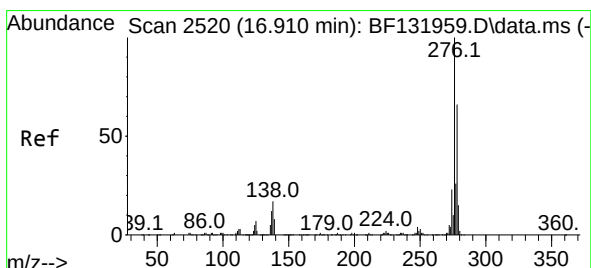
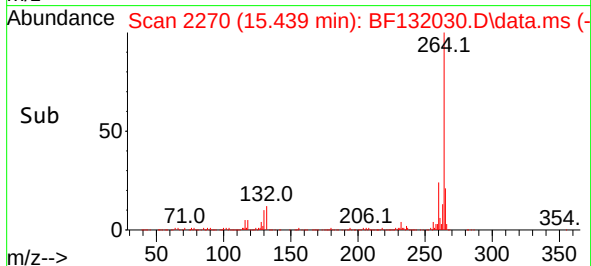
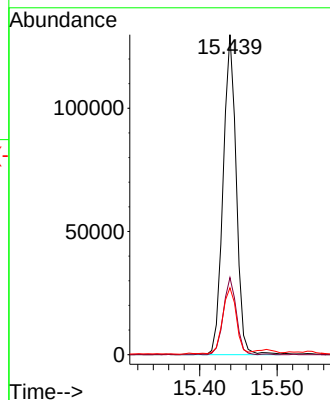
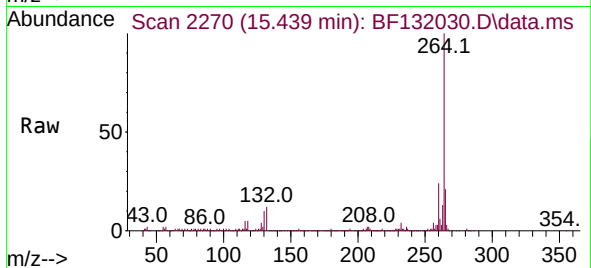
265 20.9 16.9 25.3

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Reviewed By :Christian Giraldo 01/12/2023

Supervised By :Jagrut Upadhyay 01/12/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.848 ng

RT: 16.892 min Scan# 2517

Delta R.T. -0.018 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

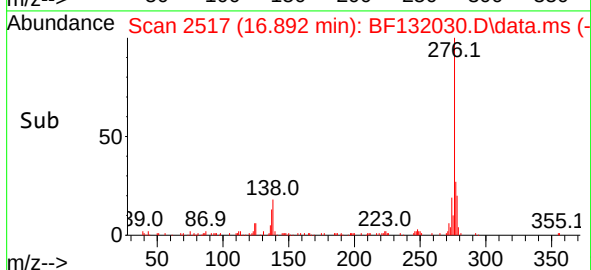
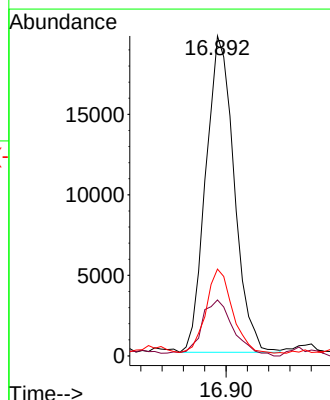
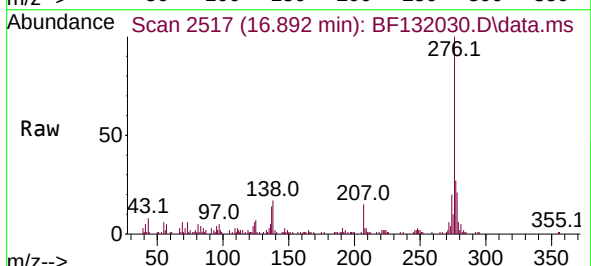
Tgt Ion:276 Resp: 36270

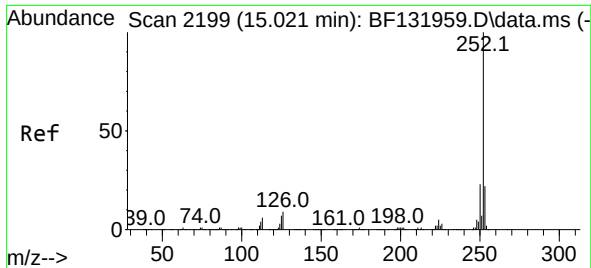
Ion Ratio Lower Upper

276 100

138 20.1 14.2 21.2

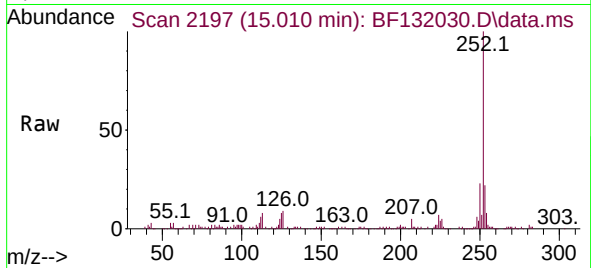
277 24.8 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 7.913 ng m
RT: 15.010 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

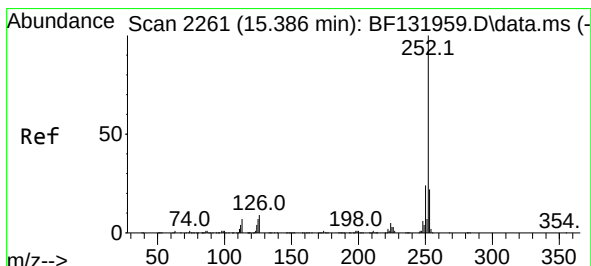
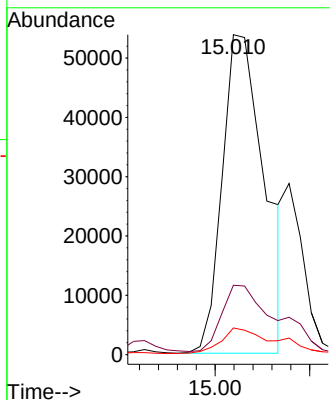
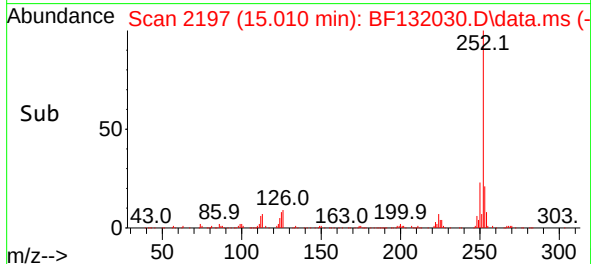
Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)



Tgt Ion:252 Resp: 83424
Ion Ratio Lower Upper
252 100
253 21.7 18.0 27.0
125 8.3 5.8 8.6

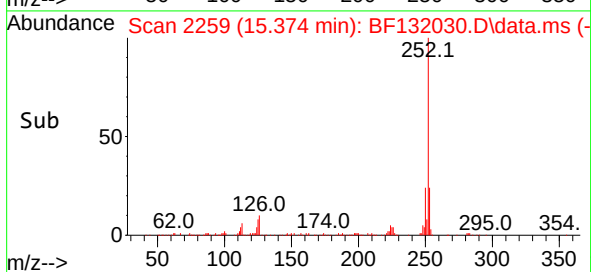
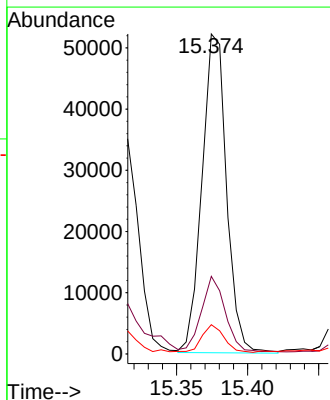
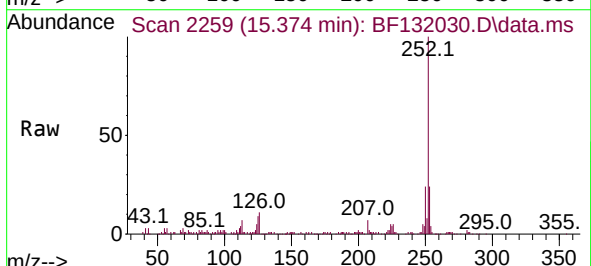
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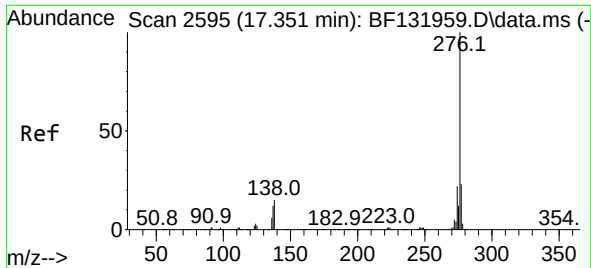
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#90
Benzo(a)pyrene
Concen: 6.591 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

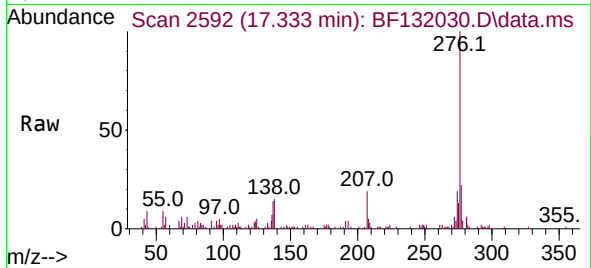
Tgt Ion:252 Resp: 62602
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 9.1 5.7 8.5#





#92
 Benzo(g,h,i)perylene
 Concen: 7.387 ng
 RT: 17.333 min Scan# 2592
 Delta R.T. -0.018 min
 Lab File: BF132030.D
 Acq: 11 Jan 2023 19:01

Instrument :
 BNA_F
 ClientSampleId :
 B-3-(10-12)



Tgt Ion: 276 Resp: 35276
 Ion Ratio Lower Upper
 276 100
 277 22.1 18.2 27.2
 138 14.8 11.7 17.5

Manual Integrations
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Reviewed By : Christian Giraldo 01/12/2023
 Supervised By : Jagrut Upadhyay 01/12/2023

