

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020223\
 Data File : BF132308.D
 Acq On : 02 Feb 2023 23:56
 Operator : CG\JU
 Sample : 01287-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B5(12-18)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/03/2023
 Supervised By : Jagrut Upadhyay 02/03/2023

Quant Time: Feb 03 00:27:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 02 01:30:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.066	152	346352	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	1269351	20.000	ng	0.00
39) Acenaphthene-d10	10.119	164	622442	20.000	ng	0.00
64) Phenanthrene-d10	11.613	188	976655	20.000	ng	-0.01
76) Chrysene-d12	14.277	240	576073	20.000	ng	-0.01
86) Perylene-d12	15.871	264	690867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.696	112	1274664	59.156	ng	0.01
7) Phenol-d6	6.678	99	1538133	57.901	ng	0.00
23) Nitrobenzene-d5	7.631	82	945290	41.441	ng	0.00
42) 2,4,6-Tribromophenol	10.907	330	345780	54.020	ng	-0.01
45) 2-Fluorobiphenyl	9.431	172	1658388	41.144	ng	0.00
79) Terphenyl-d14	13.207	244	1245744	41.831	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.636	178	594987	11.658	ng	98
72) Anthracene	11.689	178	109722	2.113	ng	98
75) Fluoranthene	12.836	202	902505	17.329	ng	99
78) Pyrene	13.072	202	841522	18.162	ng	99
81) Benzo(a)anthracene	14.266	228	426735	10.591	ng	97
83) Chrysene	14.301	228	405293	10.743	ng	97
87) Indeno(1,2,3-cd)pyrene	17.506	276	254638	5.547	ng	95
88) Benzo(b)fluoranthene	15.389	252	595216m	13.554	ng	
89) Benzo(k)fluoranthene	15.413	252	185799m	4.432	ng	
90) Benzo(a)pyrene	15.795	252	424196	10.373	ng	99
92) Benzo(g,h,i)perylene	18.006	276	235030	6.164	ng	99

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

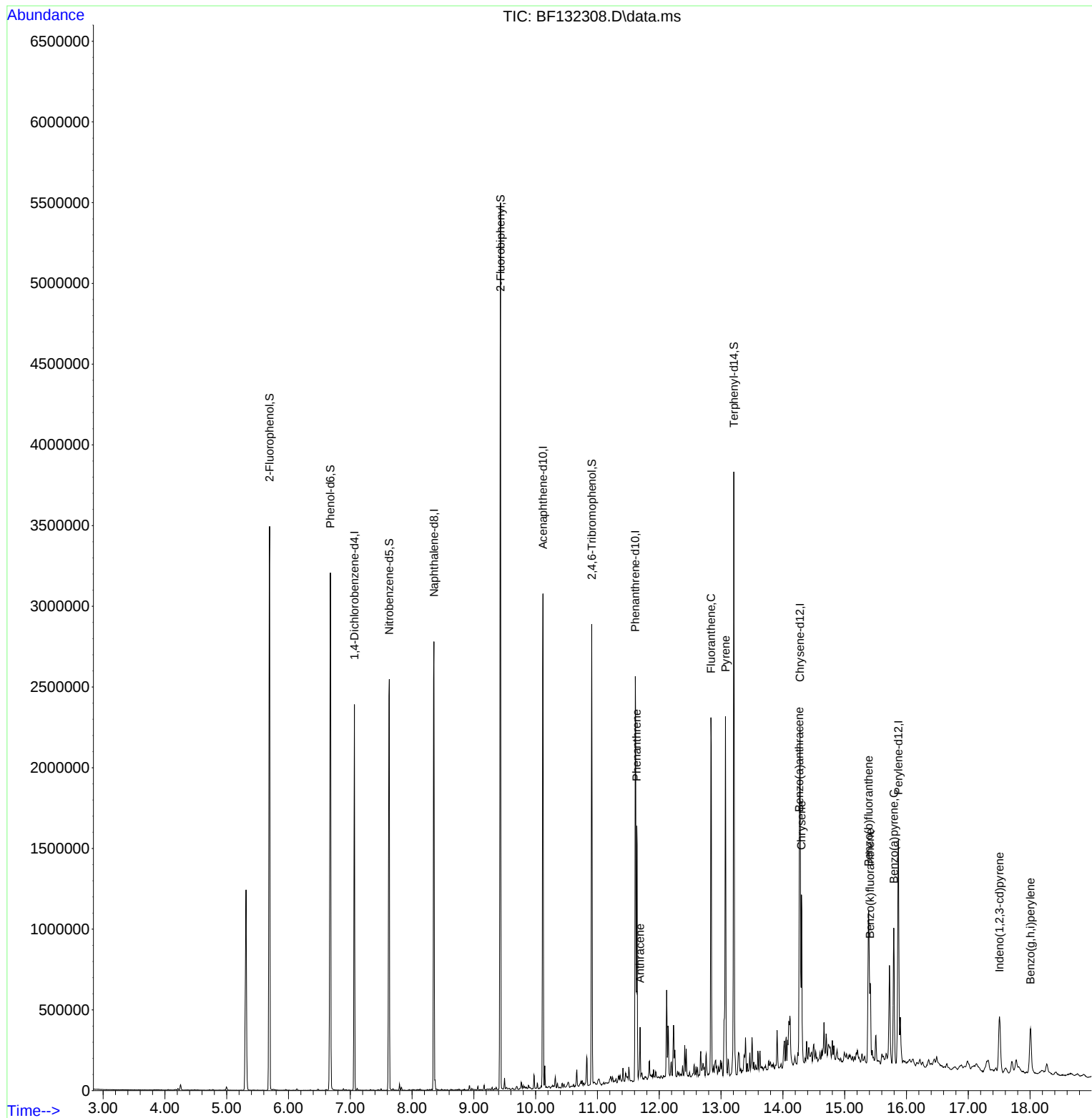
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020223\
Data File : BF132308.D
Acq On : 02 Feb 2023 23:56
Operator : CG\JU
Sample : 01287-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

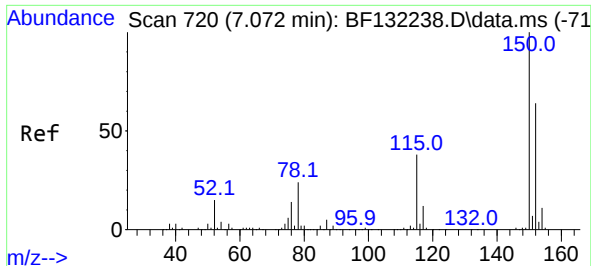
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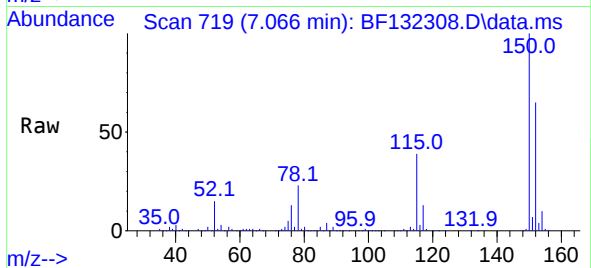
Quant Time: Feb 03 00:27:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 02 01:30:34 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.066 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

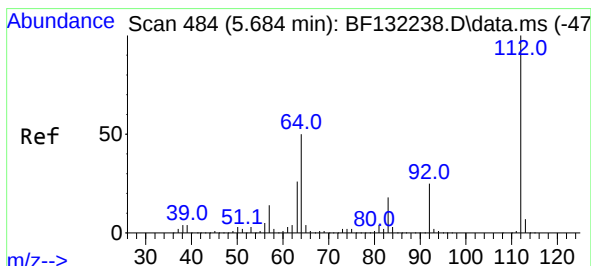
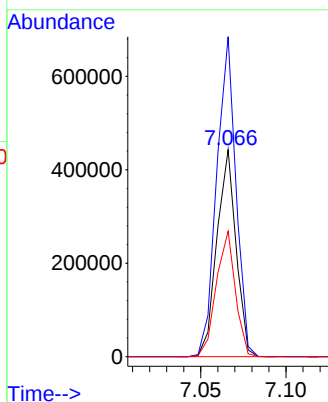
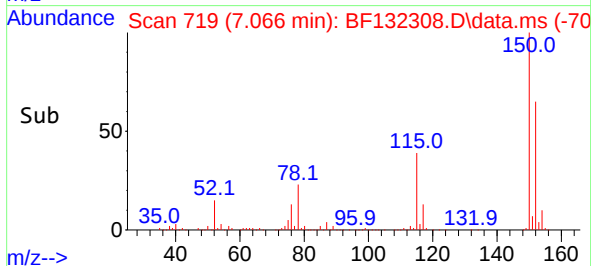
Instrument :
BNA_F
ClientSampleId :
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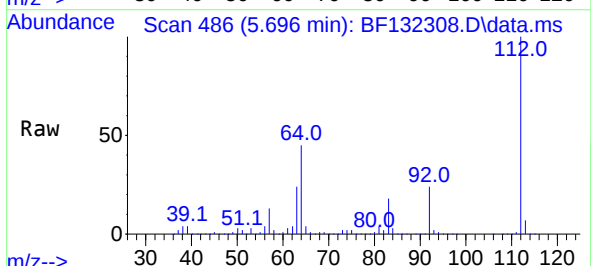
Tgt Ion:152 Resp: 346352
Ion Ratio Lower Upper
152 100
150 154.5 124.2 186.2
115 60.6 47.3 70.9

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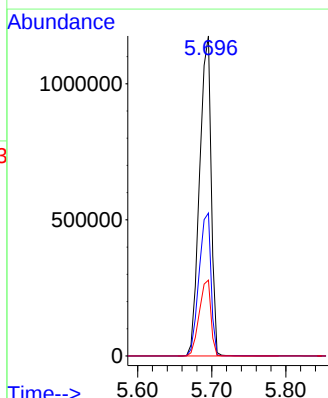
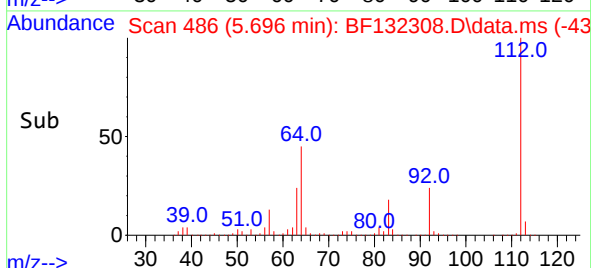
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

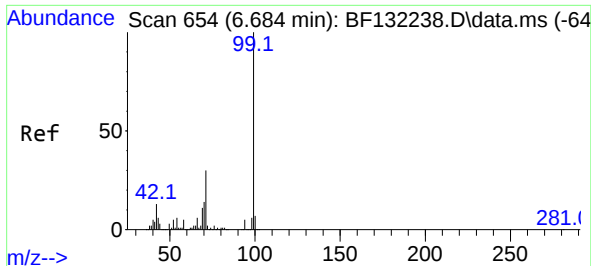


#5
2-Fluorophenol
Concen: 59.156 ng
RT: 5.696 min Scan# 486
Delta R.T. 0.012 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56



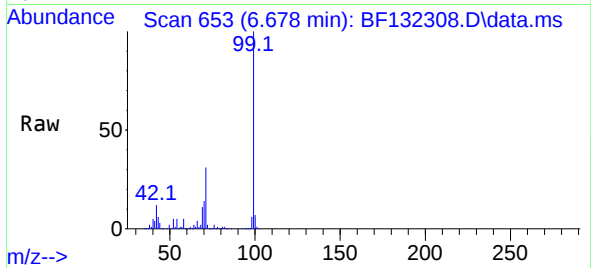
Tgt Ion:112 Resp: 1274664
Ion Ratio Lower Upper
112 100
64 44.6 40.0 60.0
63 23.7 20.5 30.7





#7
Phenol-d6
Concen: 57.901 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

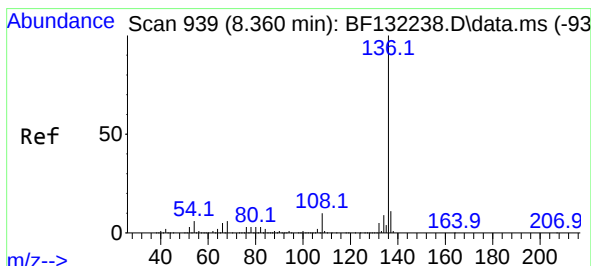
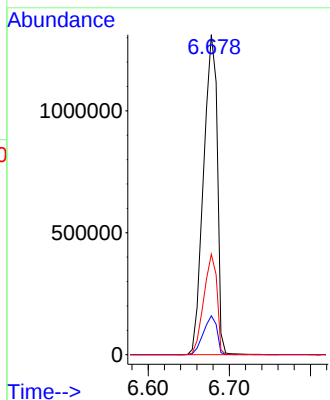
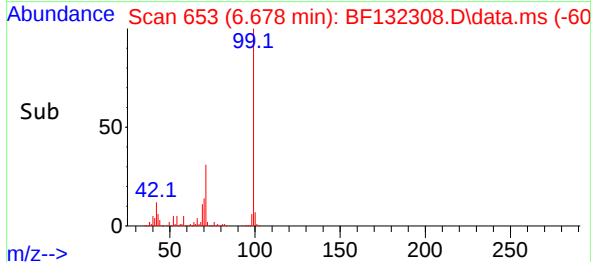
Instrument :
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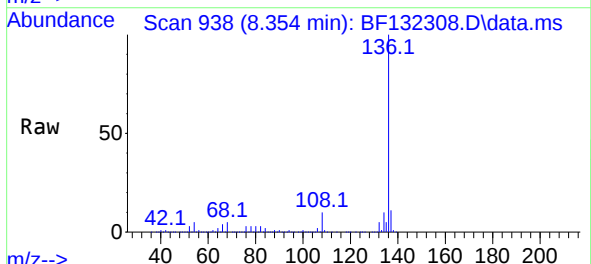
Tgt Ion: 99 Resp: 153813
Ion Ratio Lower Upper
99 100
42 12.2 10.1 15.1
71 31.4 24.2 36.4

Manual Integrations
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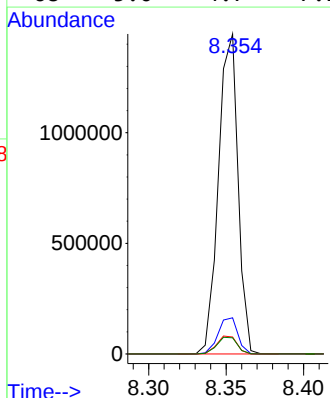
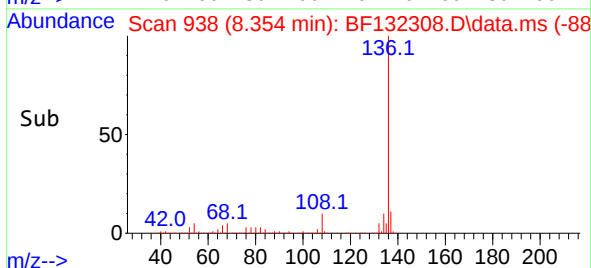
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

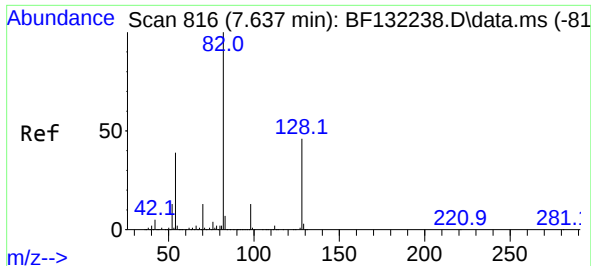


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56



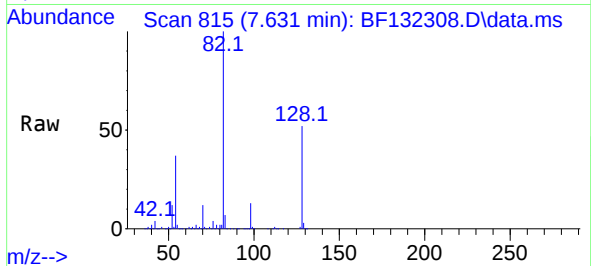
Tgt Ion:136 Resp: 1269351
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 5.3 4.9 7.3
68 5.0 4.7 7.1





#23
Nitrobenzene-d5
Concen: 41.441 ng
RT: 7.631 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

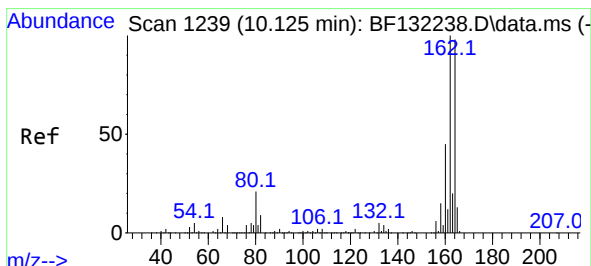
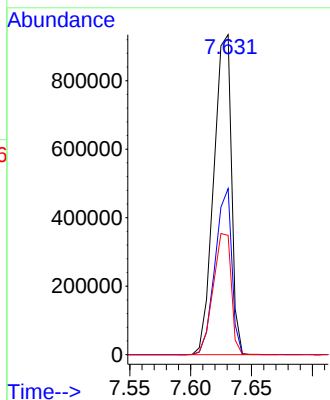
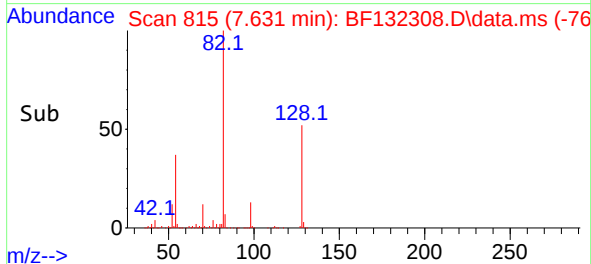
Instrument :
BNA_F
ClientSampleId :
B5(12-18)



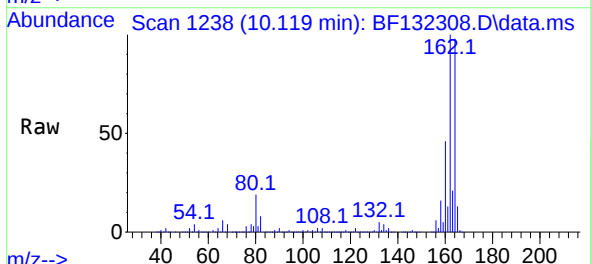
Tgt Ion: 82 Resp: 945290
Ion Ratio Lower Upper
82 100
128 51.9 37.0 55.4
54 37.3 31.5 47.3

Manual Integrations
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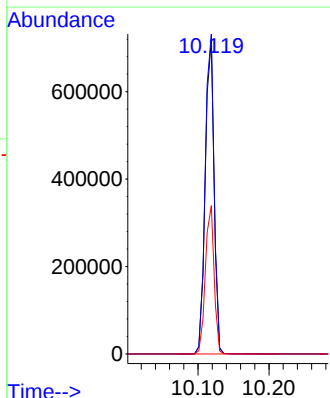
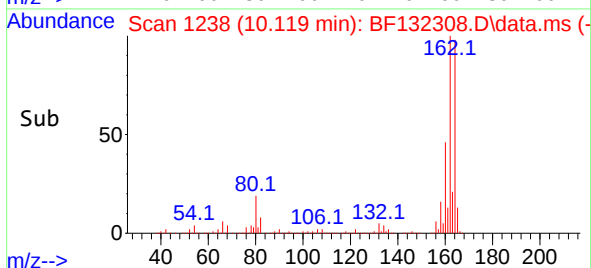
Reviewed By :Christian Giraldo 02/03/2023
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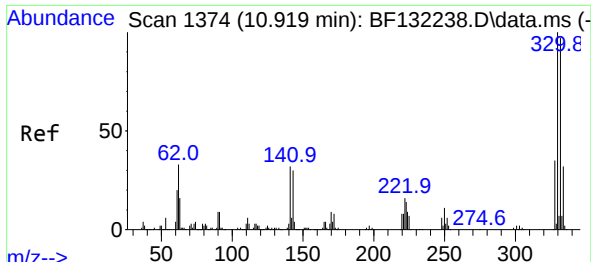


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56



Tgt Ion:164 Resp: 622442
Ion Ratio Lower Upper
164 100
162 101.9 82.0 123.0
160 47.3 37.1 55.7





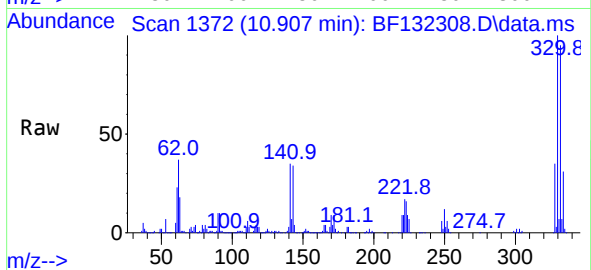
#42
2,4,6-Tribromophenol
Concen: 54.020 ng
RT: 10.907 min Scan# 111
Delta R.T. -0.012 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

Instrument :

BNA_F

ClientSampleId :

B5(12-18)

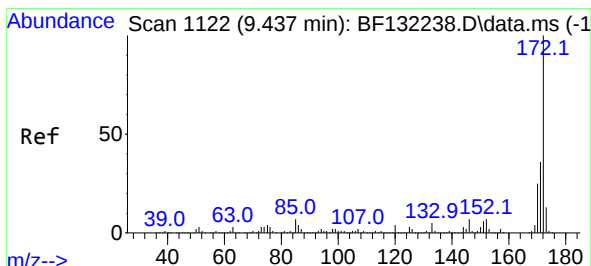
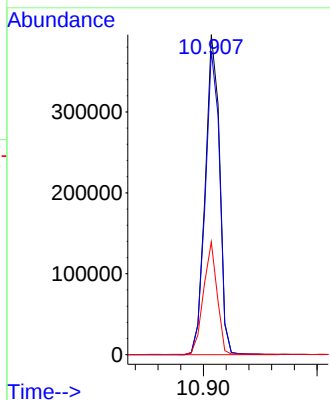
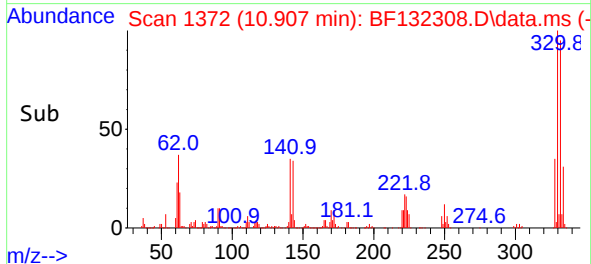


Tgt Ion:330 Resp: 345780
Ion Ratio Lower Upper
330 100
332 95.3 77.9 116.9
141 33.6 31.0 46.4

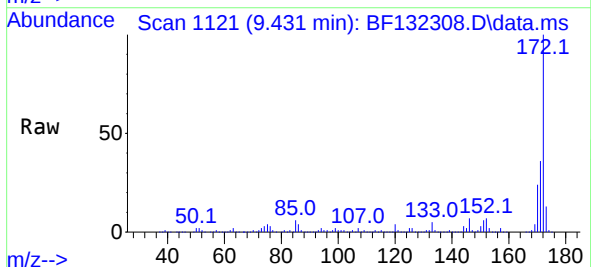
Manual Integrations

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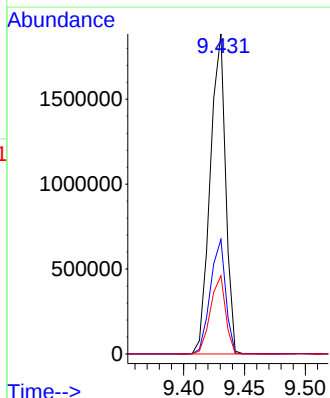
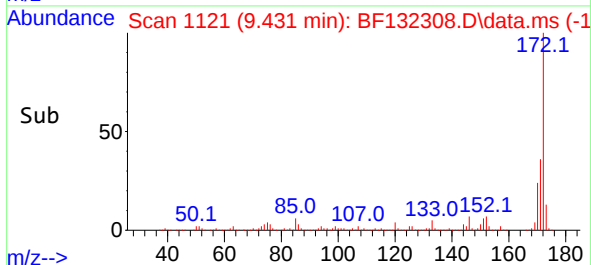
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

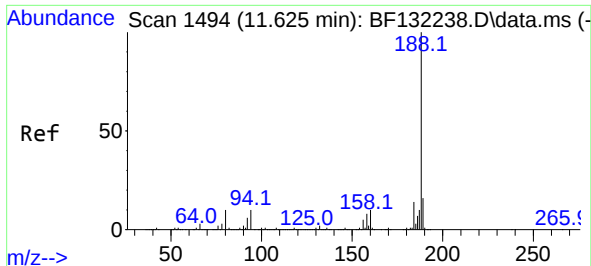


#45
2-Fluorobiphenyl
Concen: 41.144 ng
RT: 9.431 min Scan# 1121
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56



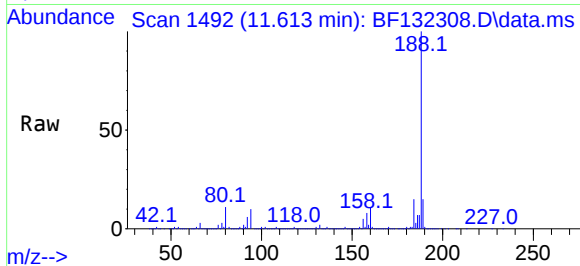
Tgt Ion:172 Resp: 1658388
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 24.5 19.7 29.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.613 min Scan# 1492
Delta R.T. -0.012 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

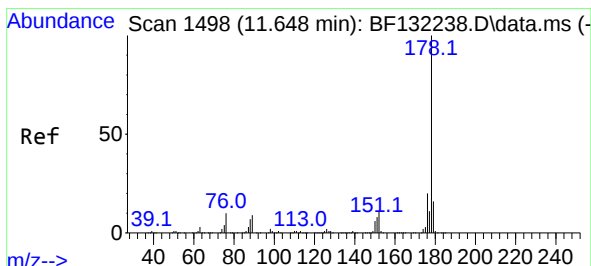
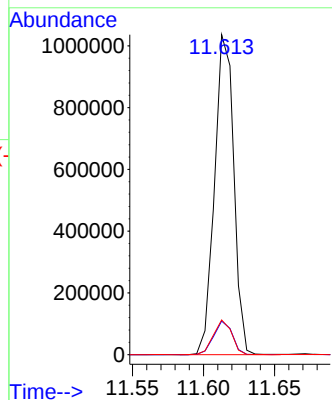
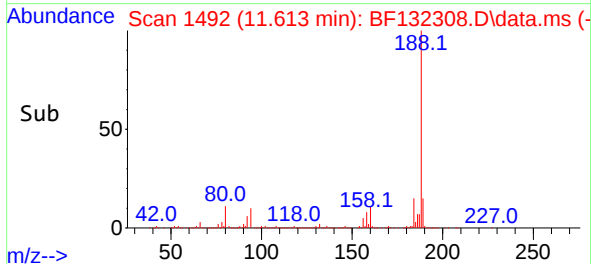
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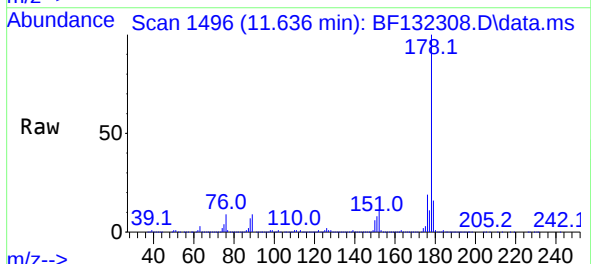
Tgt Ion:188 Resp: 97665
Ion Ratio Lower Upper
188 100
94 10.5 8.2 12.2
80 10.8 8.3 12.5

Manual Integrations
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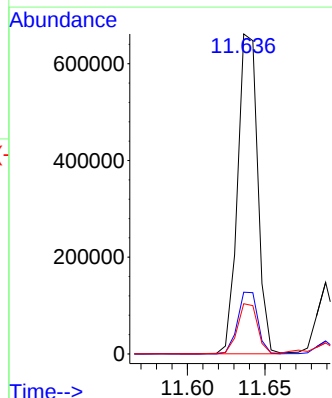
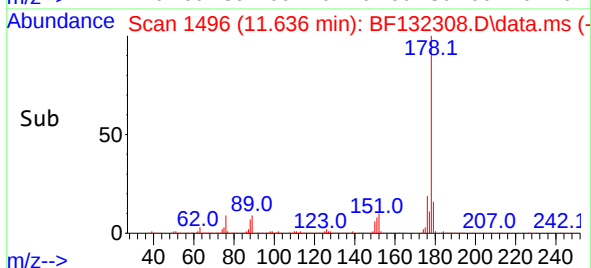
Reviewed By :Christian Giraldo 02/03/2023
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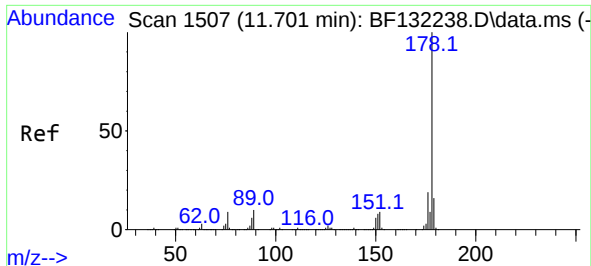


#71
Phenanthrene
Concen: 11.658 ng
RT: 11.636 min Scan# 1496
Delta R.T. -0.012 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56



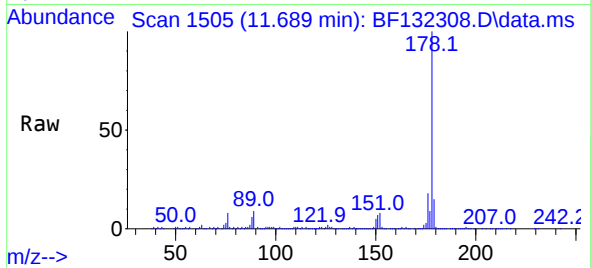
Tgt Ion:178 Resp: 594987
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.7 12.8 19.2





#72
 Anthracene
 Concen: 2.113 ng
 RT: 11.689 min Scan# 11689
 Delta R.T. -0.012 min
 Lab File: BF132308.D
 Acq: 02 Feb 2023 23:56

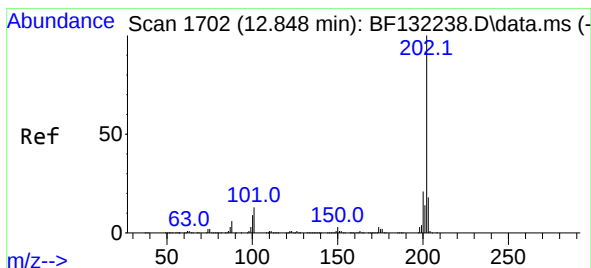
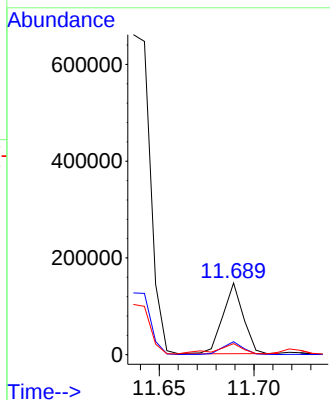
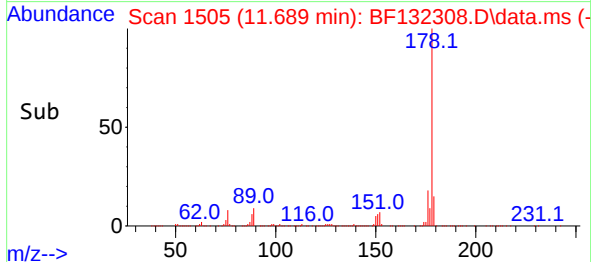
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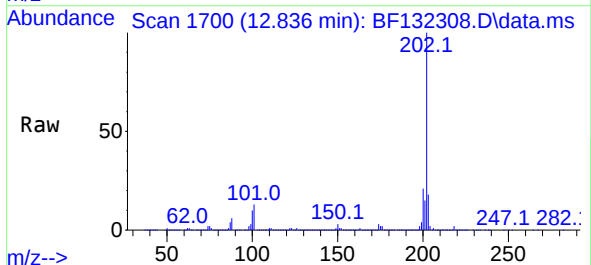
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 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.2
 179 15.4 12.8 19.2

Manual Integrations
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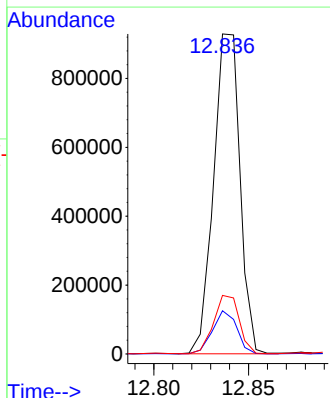
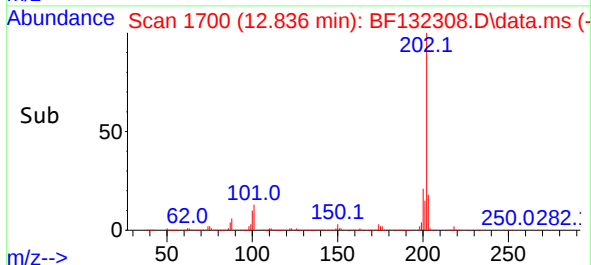
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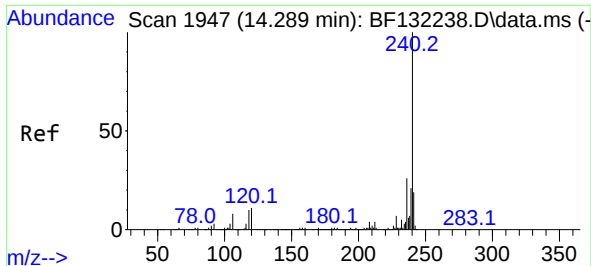


#75
 Fluoranthene
 Concen: 17.329 ng
 RT: 12.836 min Scan# 1700
 Delta R.T. -0.012 min
 Lab File: BF132308.D
 Acq: 02 Feb 2023 23:56



Tgt Ion:202 Resp: 902505
 Ion Ratio Lower Upper
 202 100
 101 13.5 0.0 32.7
 203 18.3 0.0 37.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

Instrument :

BNA_F

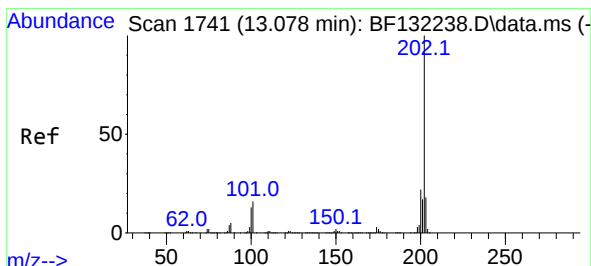
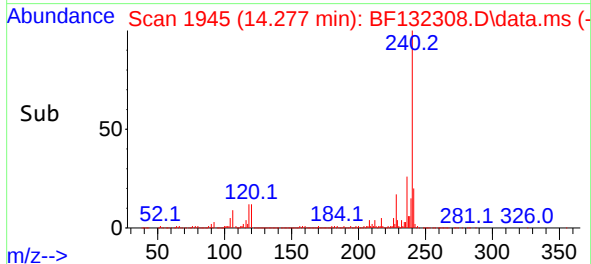
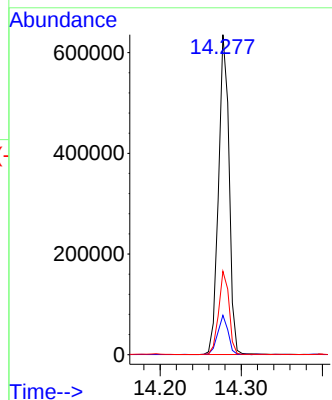
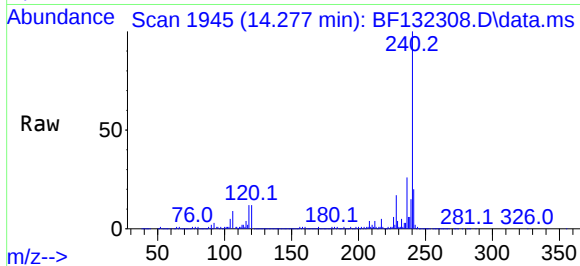
ClientSampleId :

B5(12-18)

Tgt Ion:240 Resp: 57607
Ion Ratio Lower Upper
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120 12.3 8.8 13.2
236 26.1 21.0 31.6

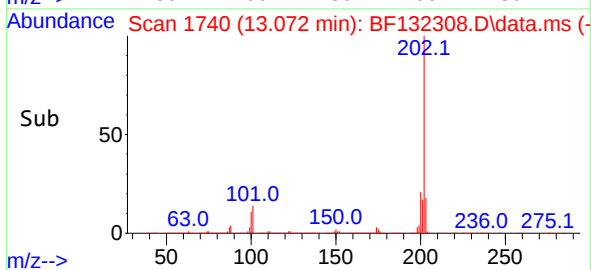
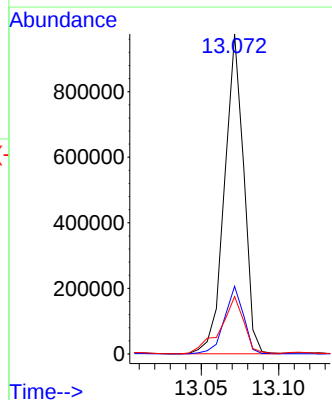
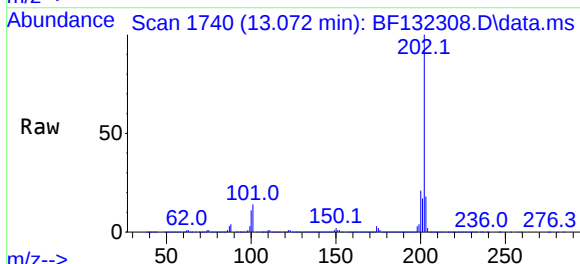
Manual Integrations
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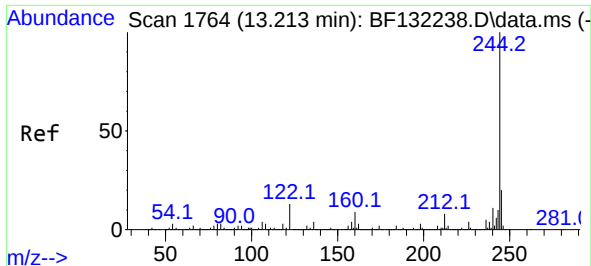
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#78
Pyrene
Concen: 18.162 ng
RT: 13.072 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

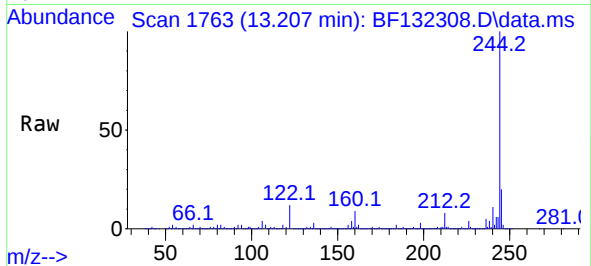
Tgt Ion:202 Resp: 841522
Ion Ratio Lower Upper
202 100
200 21.1 17.3 25.9
203 18.0 14.4 21.6





#79
 Terphenyl-d14
 Concen: 41.831 ng
 RT: 13.207 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132308.D
 Acq: 02 Feb 2023 23:56

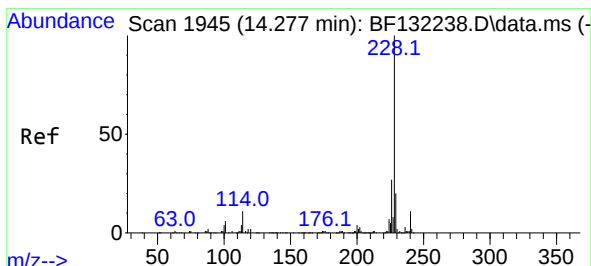
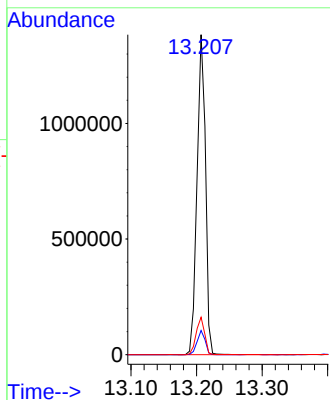
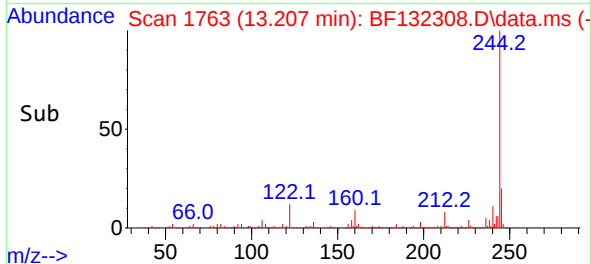
Instrument :
 BNA_F
 ClientSampleId :
 B5(12-18)



Tgt Ion:244 Resp: 1245744
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.4 9.6
 122 11.7 10.5 15.7

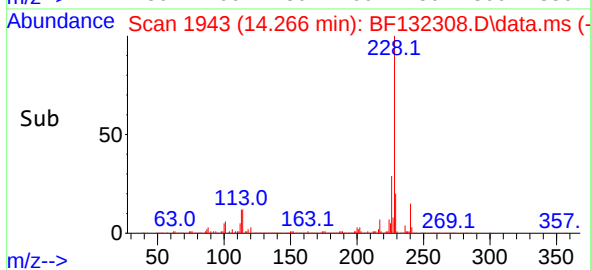
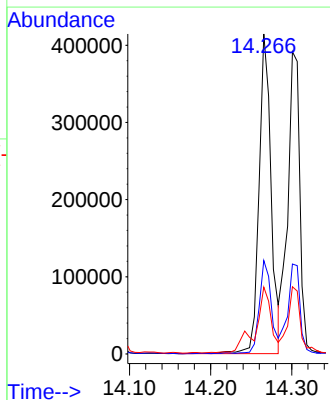
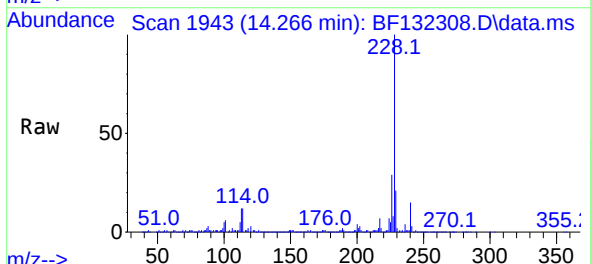
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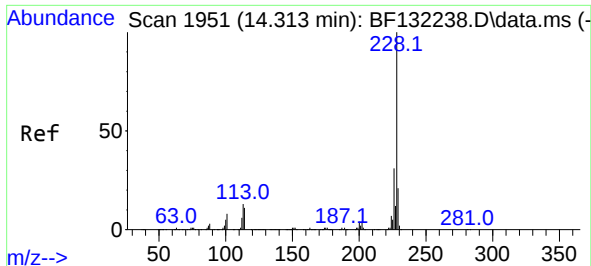
Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#81
 Benzo(a)anthracene
 Concen: 10.591 ng
 RT: 14.266 min Scan# 1943
 Delta R.T. -0.012 min
 Lab File: BF132308.D
 Acq: 02 Feb 2023 23:56

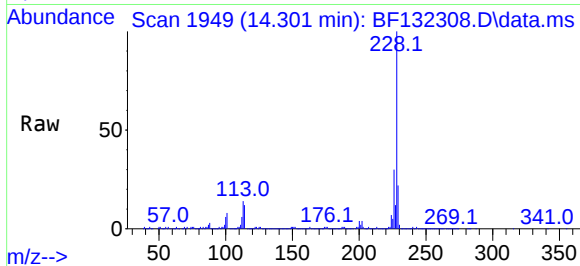
Tgt Ion:228 Resp: 426735
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.0 33.0
 229 20.9 15.8 23.6





#83
Chrysene
Concen: 10.743 ng
RT: 14.301 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

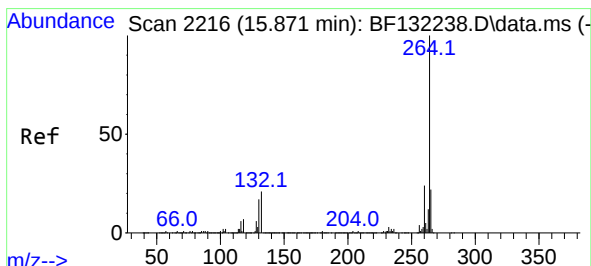
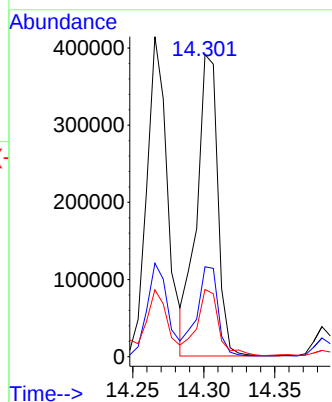
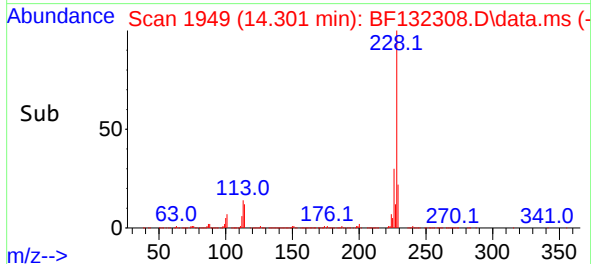
Instrument :
BNA_F
ClientSampleId :
B5(12-18)



Tgt Ion:228 Resp: 40529
Ion Ratio Lower Upper
228 100
226 29.8 24.9 37.3
229 22.2 16.4 24.6

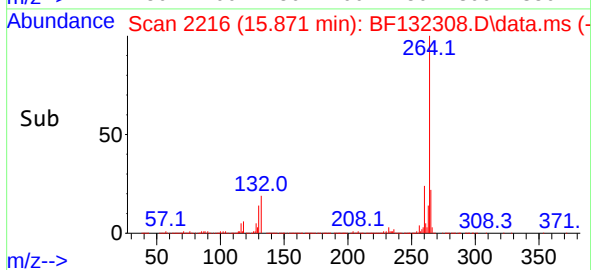
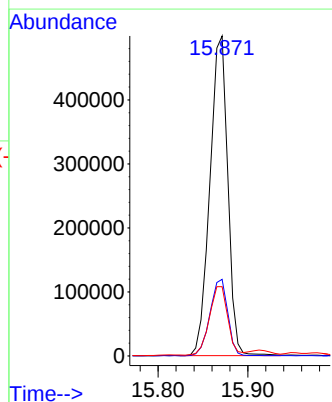
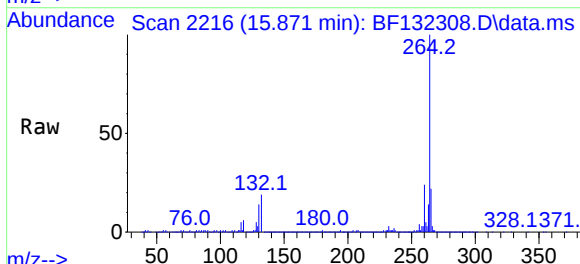
Manual Integrations
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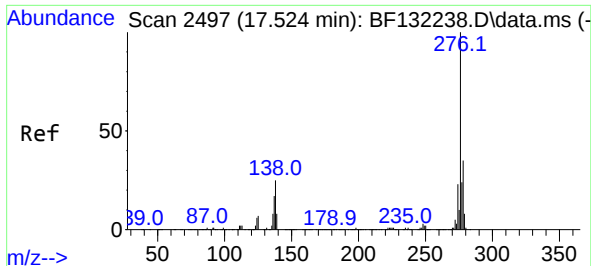
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.871 min Scan# 2216
Delta R.T. -0.000 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

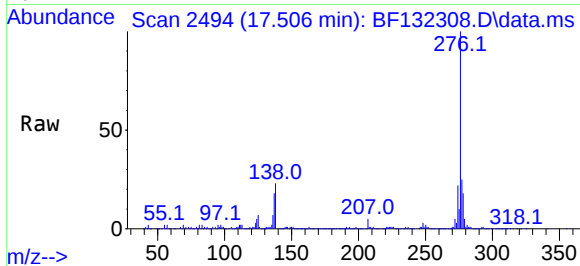
Tgt Ion:264 Resp: 690867
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 21.6 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.547 ng
RT: 17.506 min Scan# 2494
Delta R.T. -0.018 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

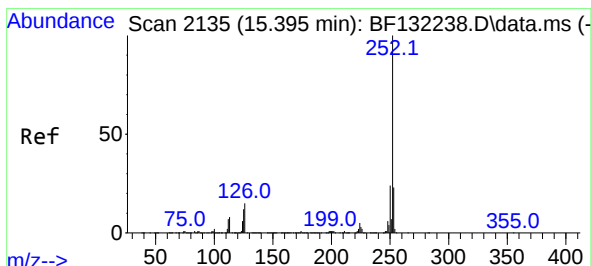
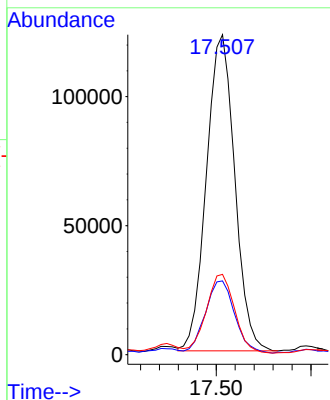
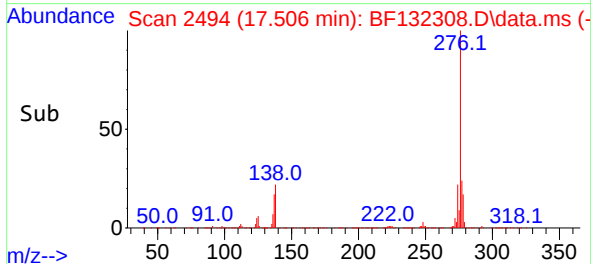
Instrument :
BNA_F
ClientSampleId :
B5(12-18)



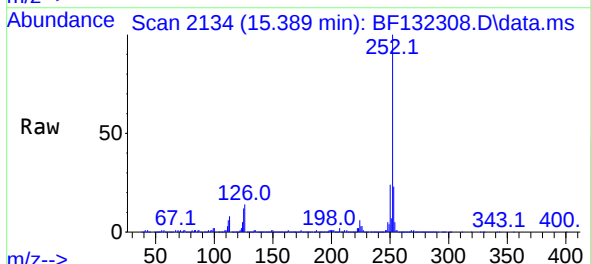
Tgt Ion:276 Resp: 254638
Ion Ratio Lower Upper
276 100
138 23.7 23.3 34.9
277 24.9 20.0 30.0

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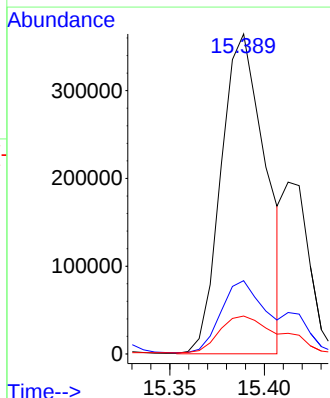
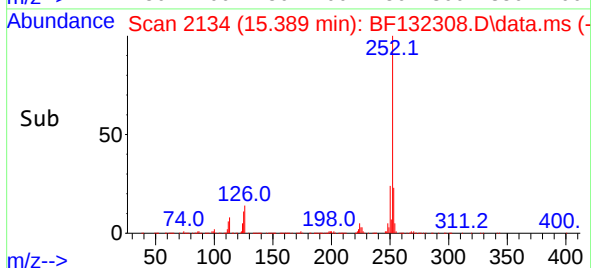
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

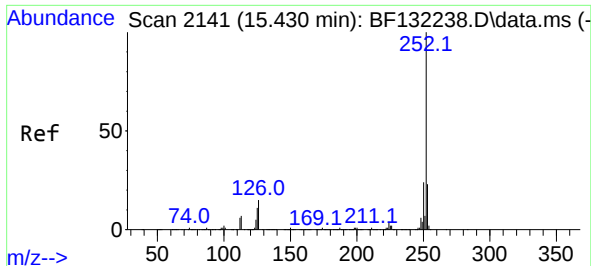


#88
Benzo(b)fluoranthene
Concen: 13.554 ng m
RT: 15.389 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56



Tgt Ion:252 Resp: 595216
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 11.9 9.6 14.4





#89

Benzo(k)fluoranthene

Concen: 4.432 ng m

RT: 15.413 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF132308.D

Acq: 02 Feb 2023 23:56

Instrument :

BNA_F

ClientSampleId :

B5(12-18)

Tgt Ion:252 Resp: 185799

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.2

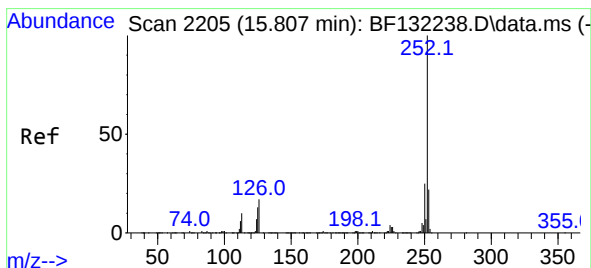
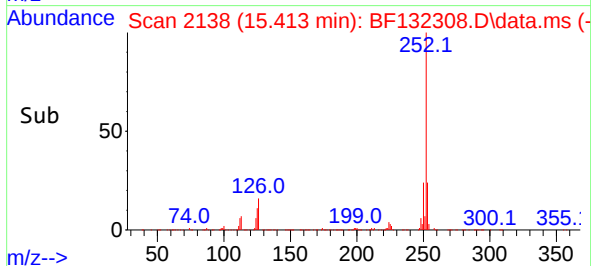
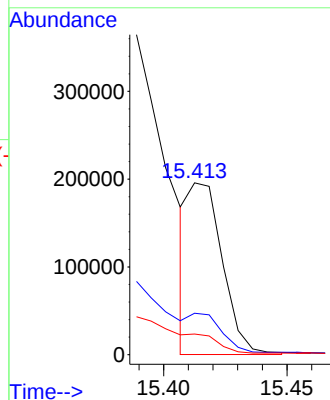
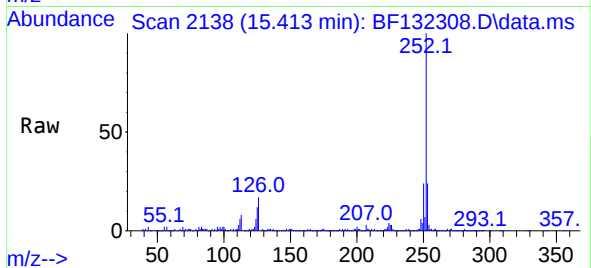
125 12.1 9.0 13.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#90

Benzo(a)pyrene

Concen: 10.373 ng

RT: 15.795 min Scan# 2203

Delta R.T. -0.012 min

Lab File: BF132308.D

Acq: 02 Feb 2023 23:56

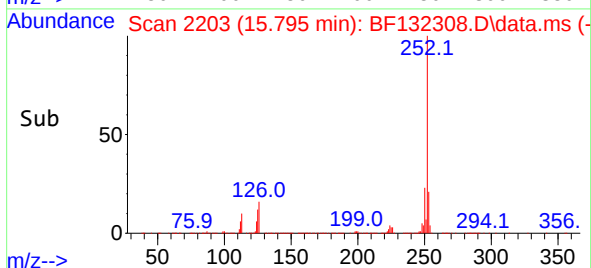
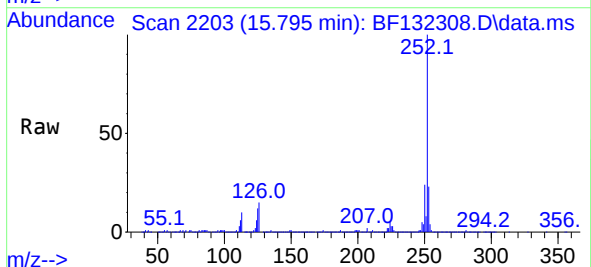
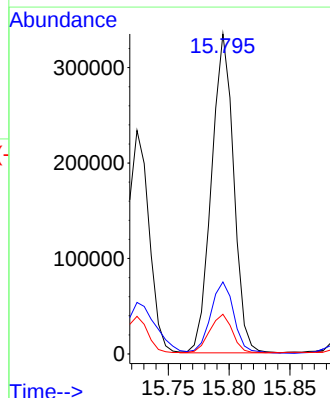
Tgt Ion:252 Resp: 424196

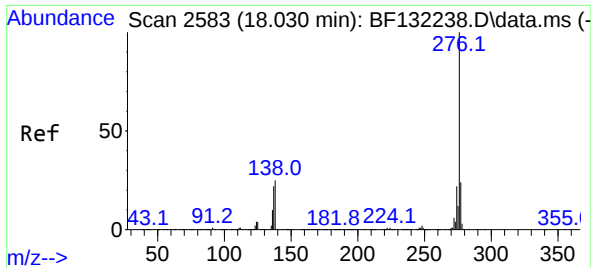
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

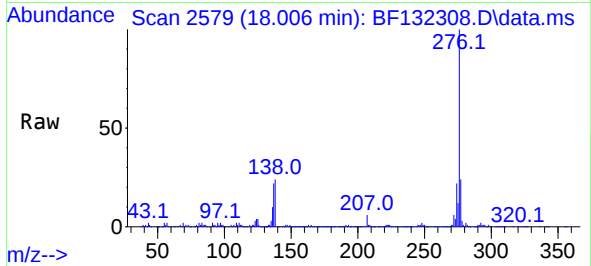
125 12.4 10.2 15.4





#92
 Benzo(g,h,i)perylene
 Concen: 6.164 ng
 RT: 18.006 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF132308.D
 Acq: 02 Feb 2023 23:56

Instrument :
 BNA_F
 ClientSampleId :
 B5(12-18)



Tgt Ion: 276 Resp: 235030
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.4 29.2
 138 24.3 20.3 30.5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/03/2023
 Supervised By : Jagrut Upadhyay 02/03/2023

