

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133017.D
 Acq On : 25 Apr 2023 02:27
 Operator : CG\JU
 Sample : 02470-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/25/2023
 Supervised By :Jagrut Upadhyay 04/25/2023

Quant Time: Apr 25 05:22:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	201604	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	787627	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	388387	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	649494	20.000	ng	0.00
76) Chrysene-d12	13.898	240	413999	20.000	ng	-0.01
86) Perylene-d12	15.321	264	385811	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1046714	78.430	ng	0.00
7) Phenol-d6	6.386	99	1289060	77.818	ng	0.00
23) Nitrobenzene-d5	7.310	82	766016	52.496	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	261696	66.999	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	1357469	58.474	ng	-0.01
79) Terphenyl-d14	12.851	244	1163398	48.466	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	12.474	202	124570	3.556	ng	95
78) Pyrene	12.698	202	114023	3.213	ng	99
81) Benzo(a)anthracene	13.886	228	61831	2.172	ng	96
88) Benzo(b)fluoranthene	14.915	252	76139m	3.102	ng	
90) Benzo(a)pyrene	15.262	252	51416	2.301	ng	# 91

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

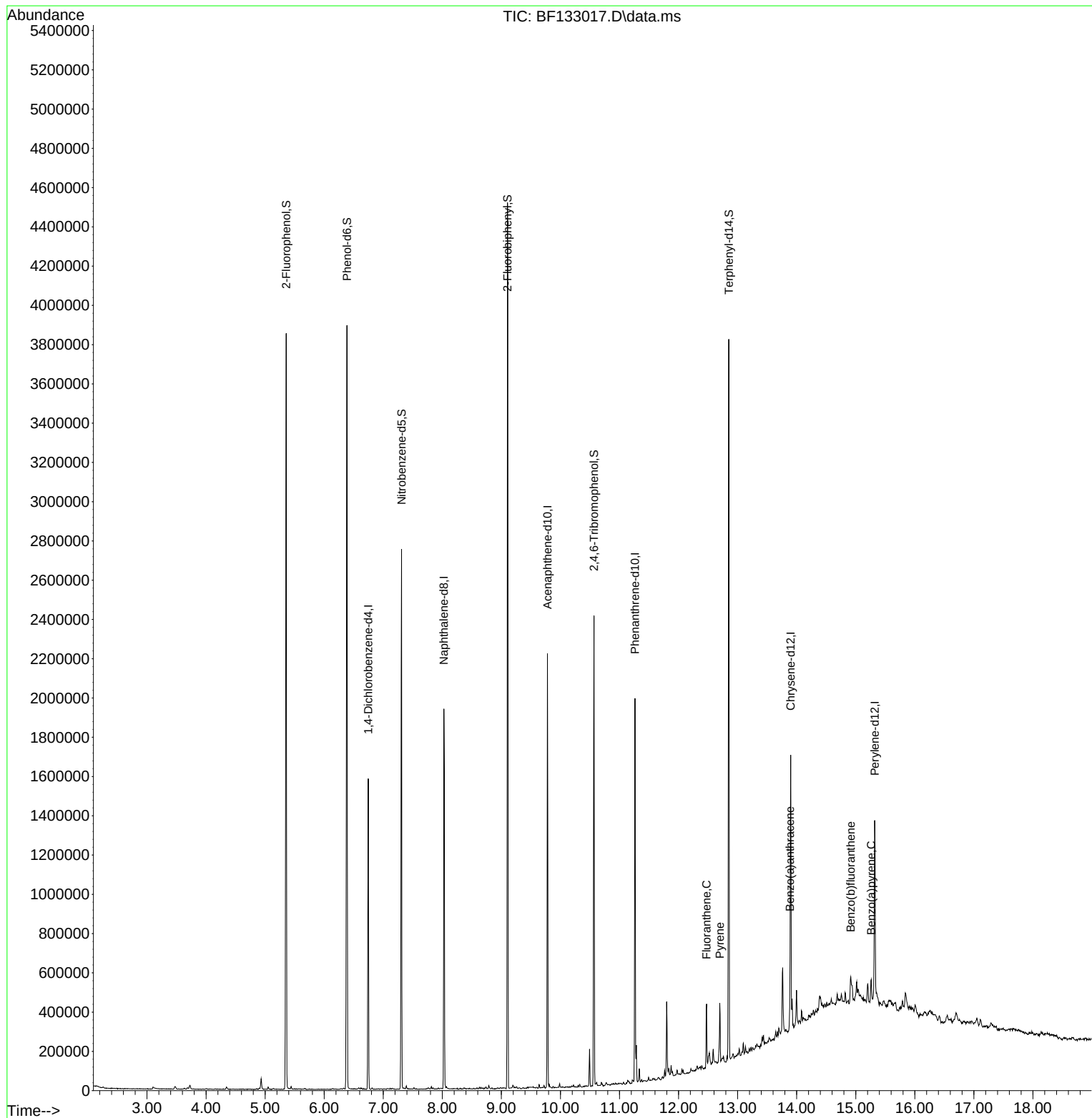
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
Data File : BF133017.D
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Operator : CG\JU
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Misc :
ALS Vial : 19 Sample Multiplier: 1

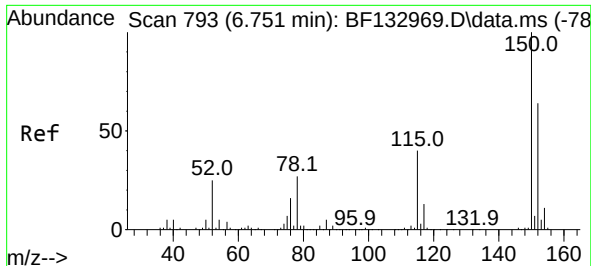
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Quant Time: Apr 25 05:22:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 22 03:30:56 2023
Response via : Initial Calibration

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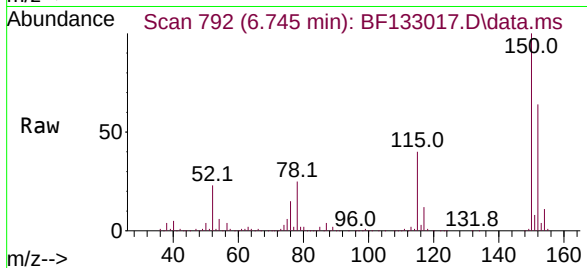
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Supervised By : Jagrut Upadhyay 04/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

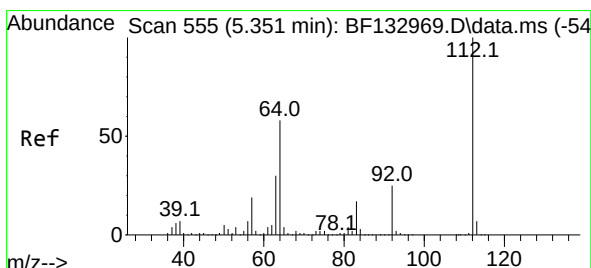
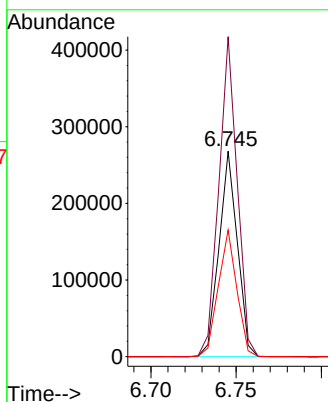
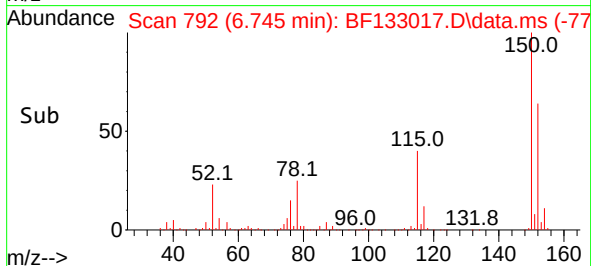
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP



Tgt Ion:152 Resp: 201604
Ion Ratio Lower Upper
152 100
150 155.8 124.8 187.2
115 61.7 49.9 74.9

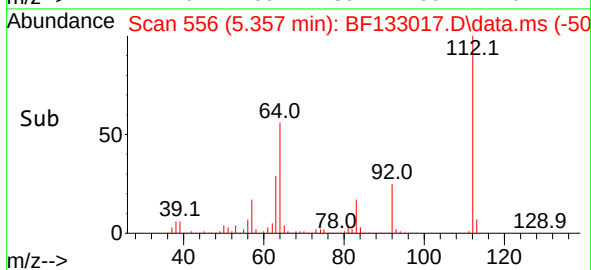
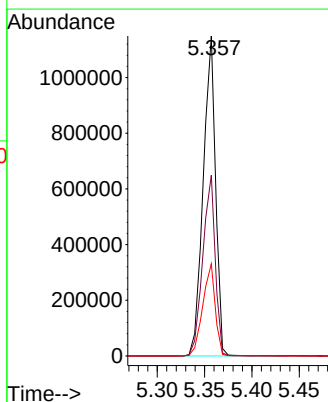
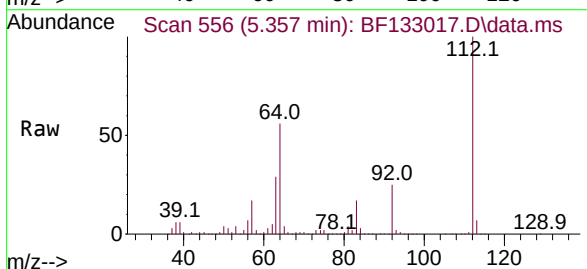
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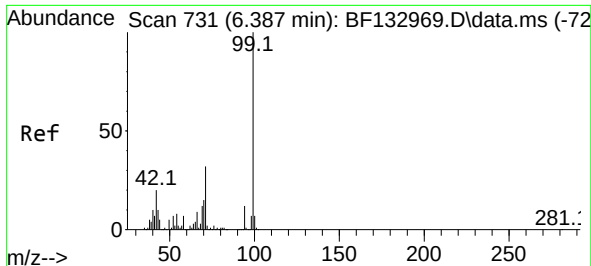
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#5
2-Fluorophenol
Concen: 78.430 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

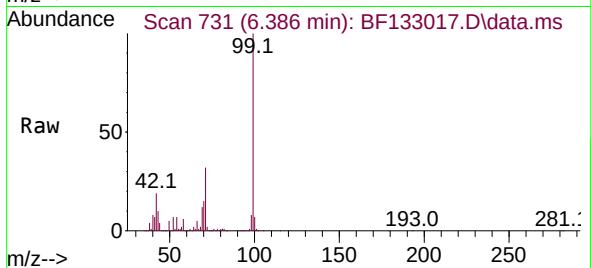
Tgt Ion:112 Resp: 1046714
Ion Ratio Lower Upper
112 100
64 56.5 46.8 70.2
63 28.8 23.8 35.8





#7
Phenol-d6
Concen: 77.818 ng
RT: 6.386 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

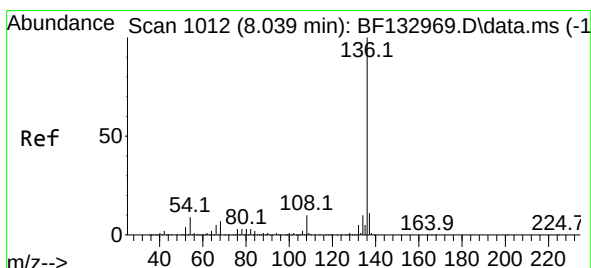
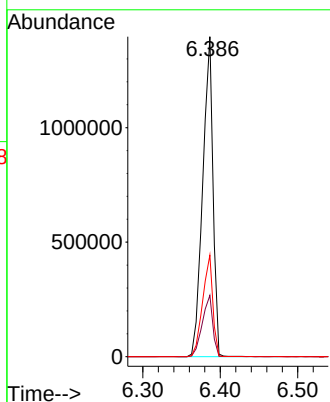
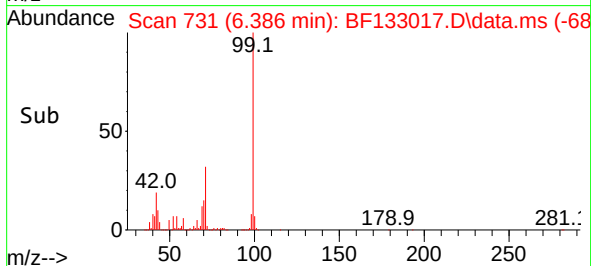
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 1289060
Ion Ratio Lower Upper
99 100
42 19.2 16.3 24.5
71 31.8 25.6 38.4

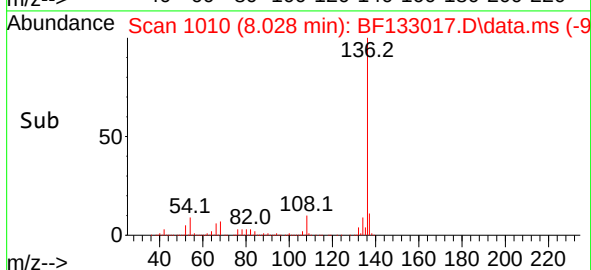
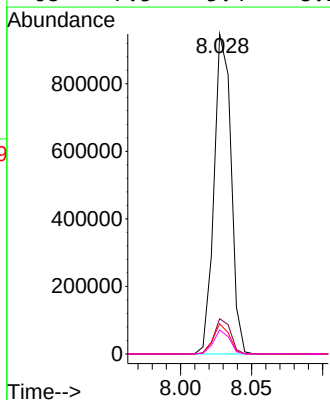
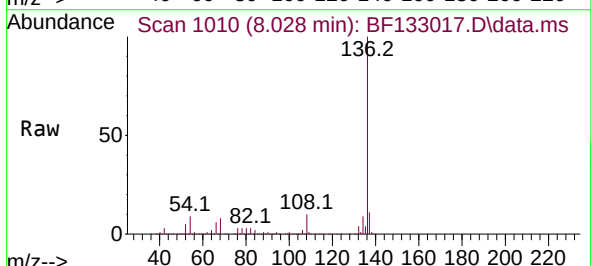
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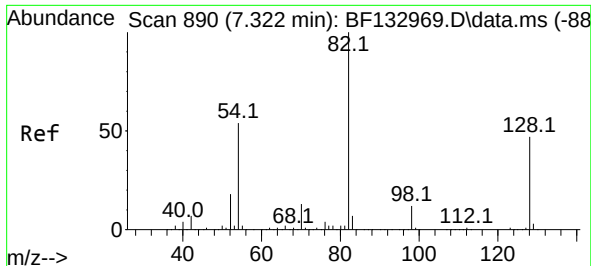
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

Tgt Ion:136 Resp: 787627
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.5 7.0 10.4
68 7.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 52.496 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

Tgt Ion: 82 Resp: 766010

Ion Ratio Lower Upper

82 100

128 49.4 37.7 56.5

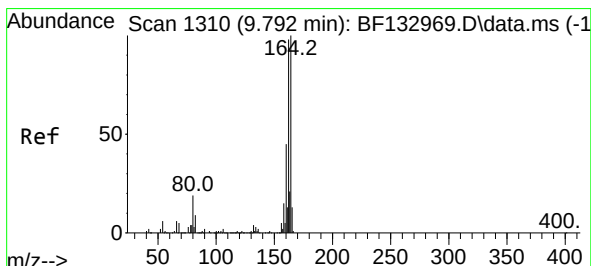
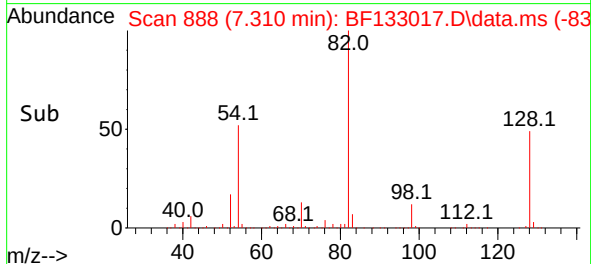
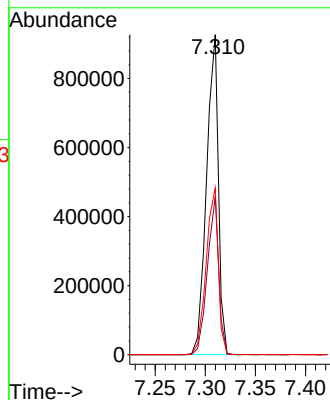
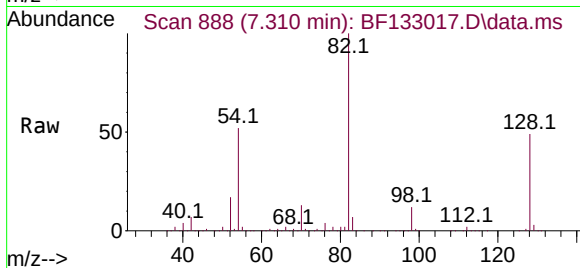
54 52.1 43.0 64.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.780 min Scan# 1308

Delta R.T. -0.012 min

Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

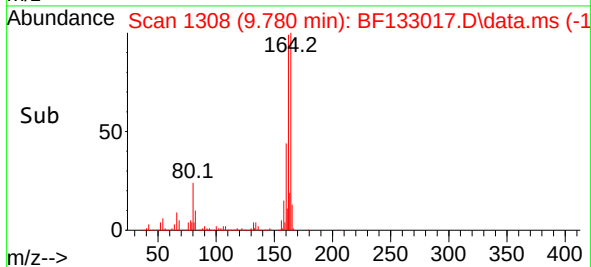
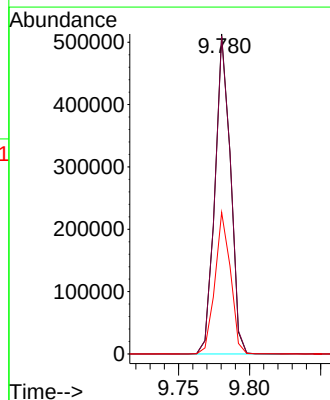
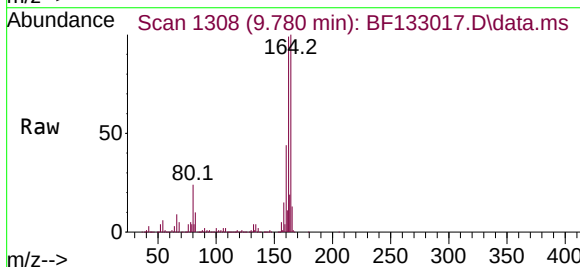
Tgt Ion:164 Resp: 388387

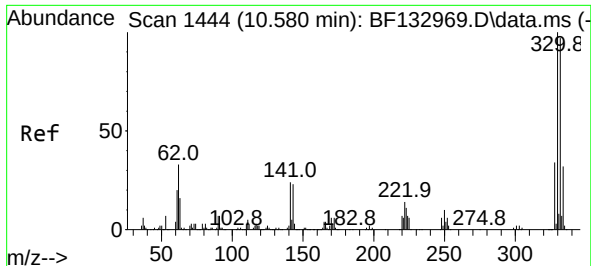
Ion Ratio Lower Upper

164 100

162 99.2 78.7 118.1

160 44.3 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 66.999 ng
RT: 10.569 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

Instrument :

BNA_F

ClientSampleId :

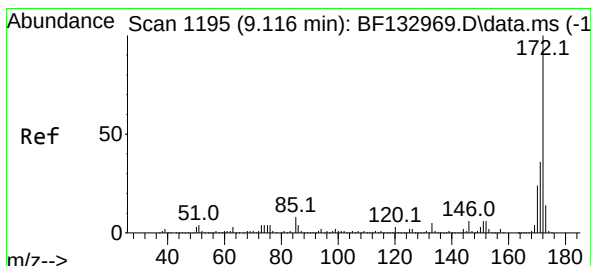
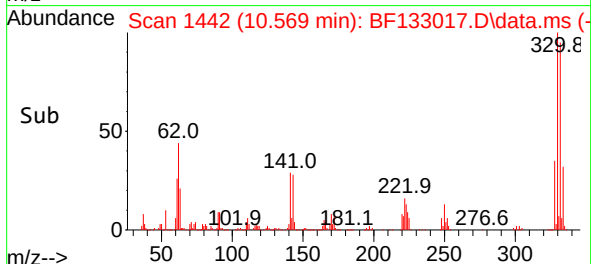
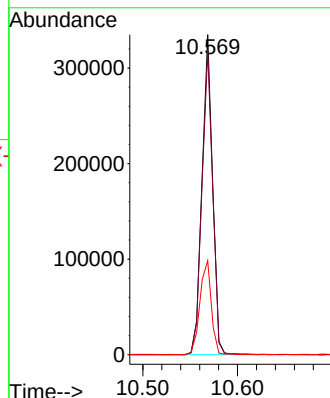
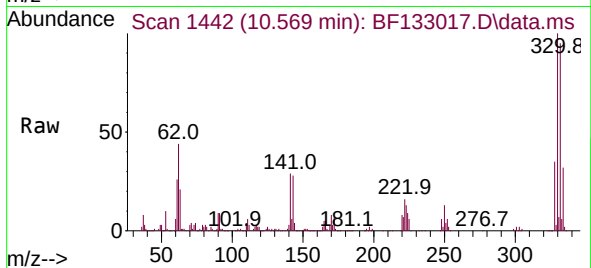
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Tgt Ion: 330 Resp: 261690
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 31.7 25.8 38.8

Manual Integrations

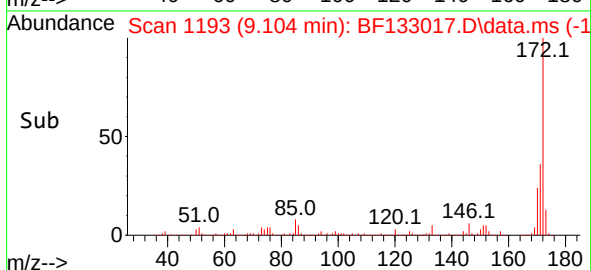
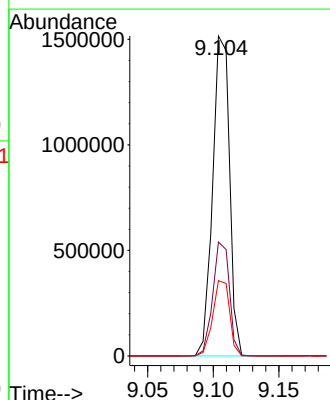
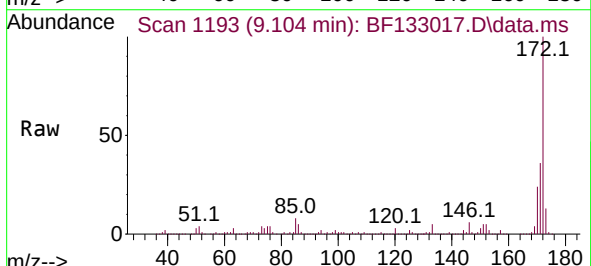
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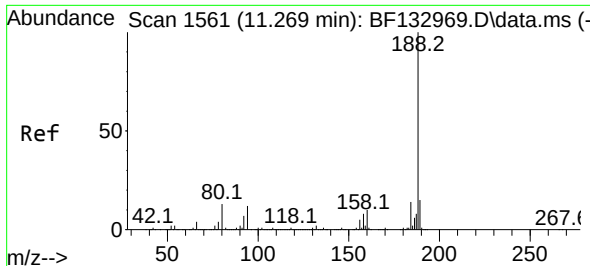
Reviewed By : Christian Giraldo 04/25/2023
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#45
2-Fluorobiphenyl
Concen: 58.474 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

Tgt Ion: 172 Resp: 1357469
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.5 19.4 29.2





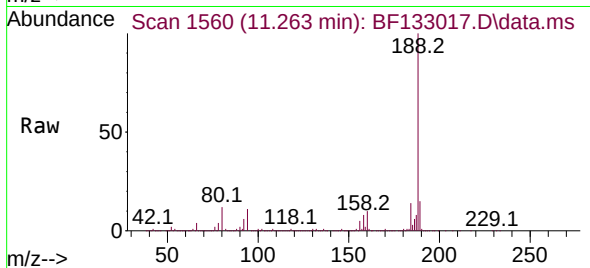
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

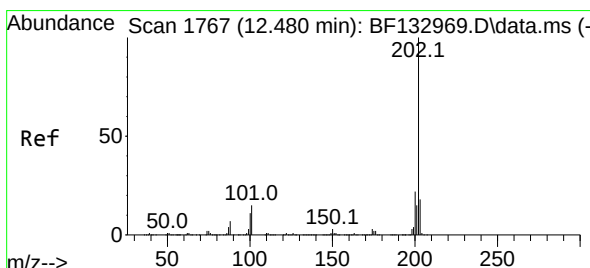
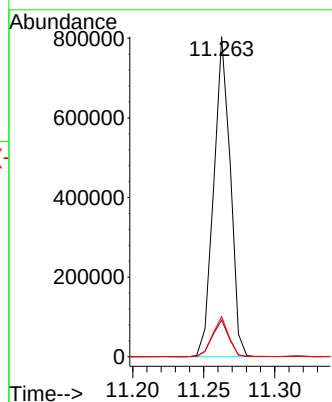
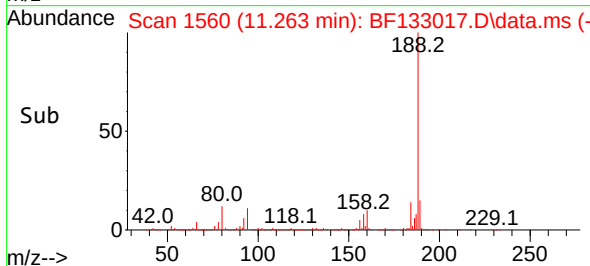


Tgt Ion:188 Resp: 649494
Ion Ratio Lower Upper
188 100
94 11.5 9.7 14.5
80 12.5 10.4 15.6

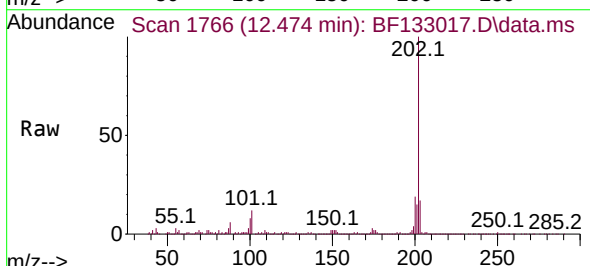
Manual Integrations

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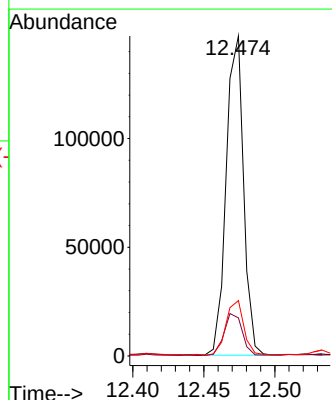
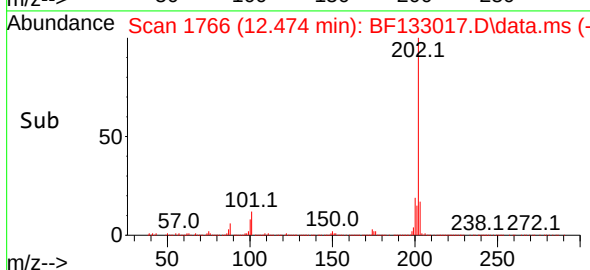
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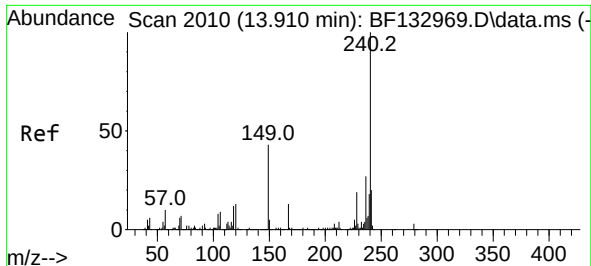


#75
Fluoranthene
Concen: 3.556 ng
RT: 12.474 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27



Tgt Ion:202 Resp: 124570
Ion Ratio Lower Upper
202 100
101 11.9 0.0 35.3
203 17.3 0.0 38.1





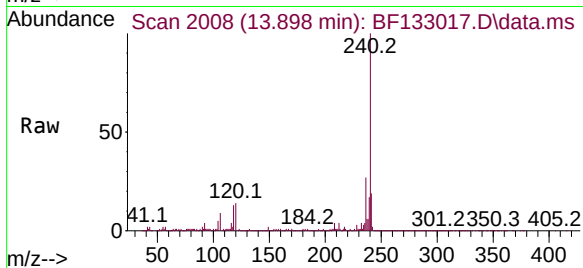
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Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

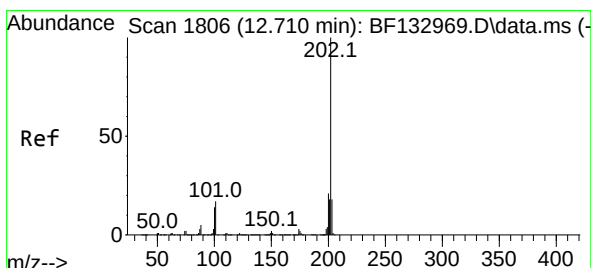
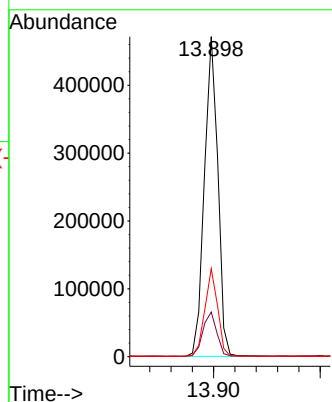
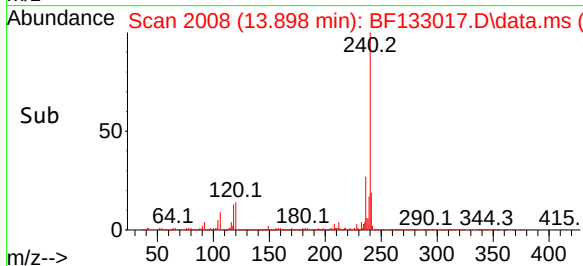


Tgt Ion:240 Resp: 413998
Ion Ratio Lower Upper
240 100
120 14.0 10.5 15.7
236 27.5 21.5 32.3

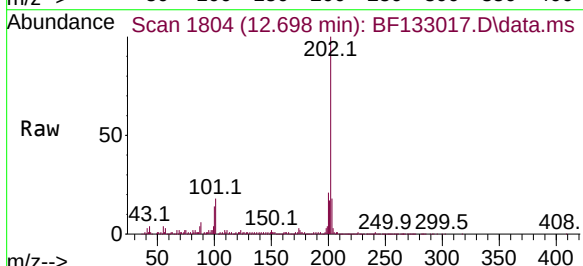
Manual Integrations

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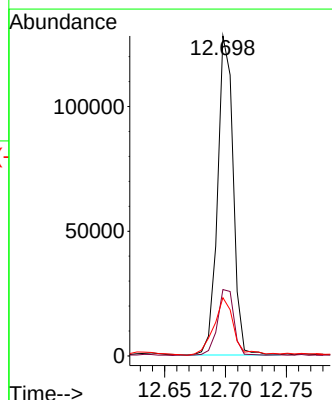
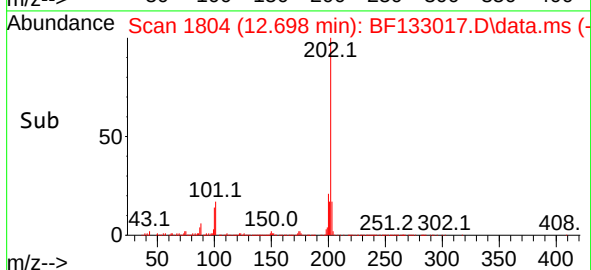
Reviewed By :Christian Giraldo 04/25/2023
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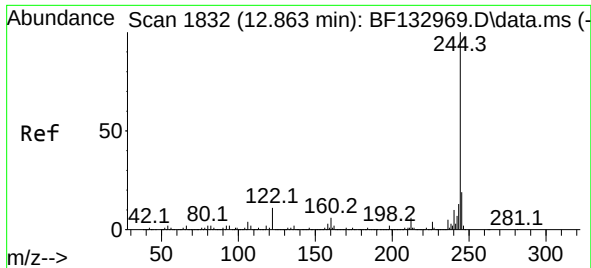


#78
Pyrene
Concen: 3.213 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.012 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27



Tgt Ion:202 Resp: 114023
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 18.2 14.1 21.1





#79
 Terphenyl-d14
 Concen: 48.466 ng
 RT: 12.851 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133017.D
 Acq: 25 Apr 2023 02:27

Instrument :

BNA_F

ClientSampleId :

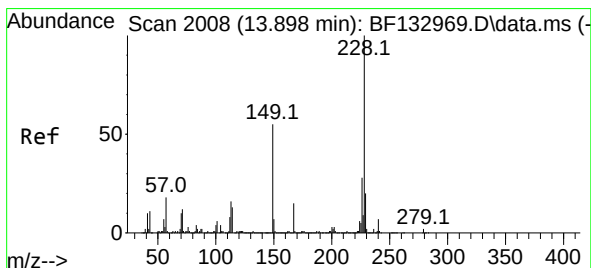
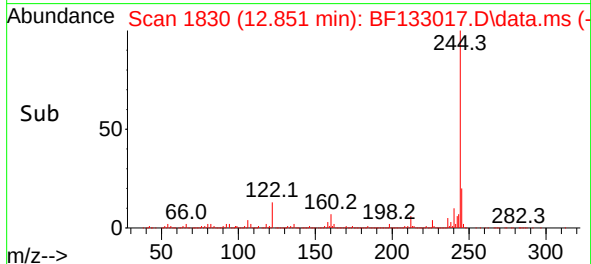
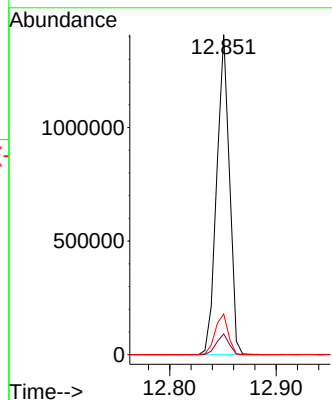
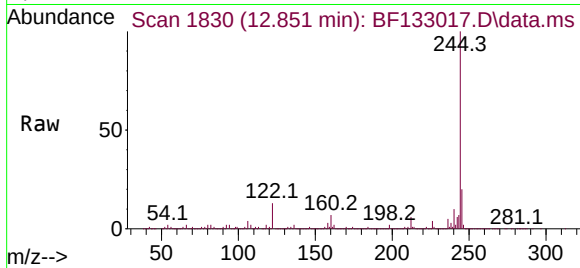
SB-04-COMP

Tgt Ion:244 Resp: 1163398
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 12.7 8.6 13.0

Manual Integrations

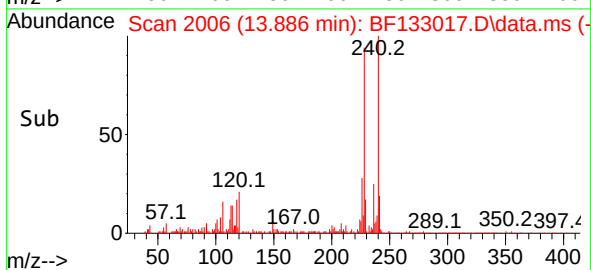
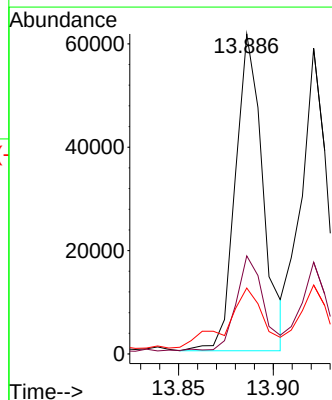
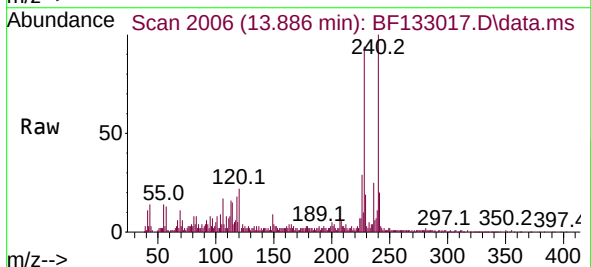
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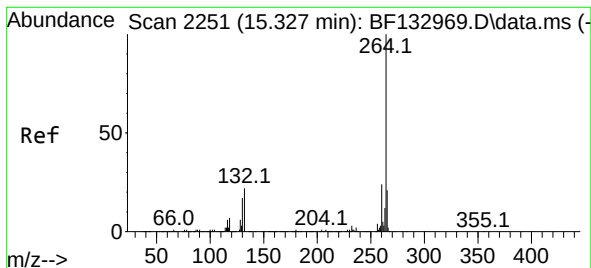
Reviewed By :Christian Giraldo 04/25/2023
 Supervised By :Jagrut Upadhyay 04/25/2023



#81
 Benzo(a)anthracene
 Concen: 2.172 ng
 RT: 13.886 min Scan# 2006
 Delta R.T. -0.012 min
 Lab File: BF133017.D
 Acq: 25 Apr 2023 02:27

Tgt Ion:228 Resp: 61831
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.2 33.4
 229 20.6 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.321 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

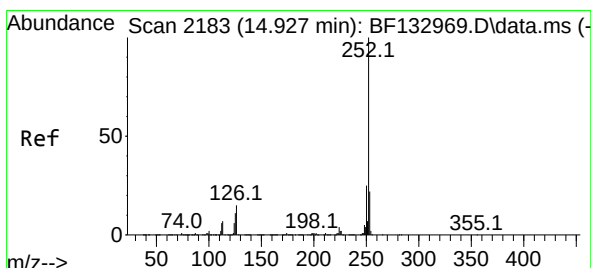
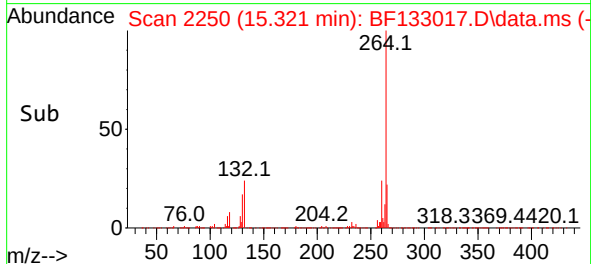
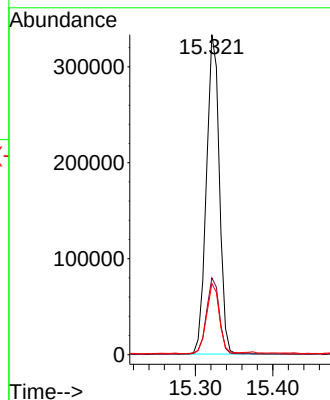
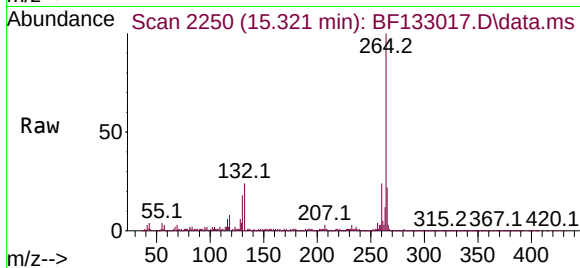
Tgt Ion:264 Resp: 38581

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	22.2	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#88

Benzo(b)fluoranthene

Concen: 3.102 ng m

RT: 14.915 min Scan# 2181

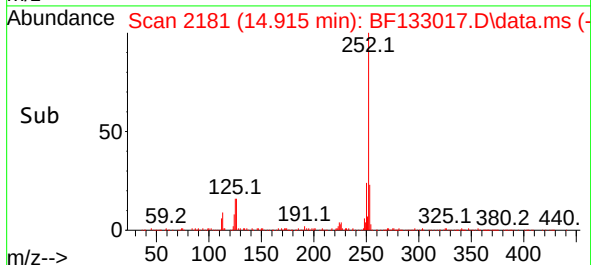
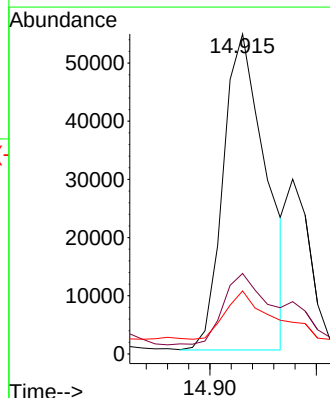
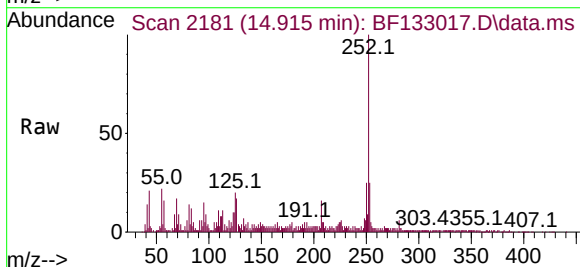
Delta R.T. -0.012 min

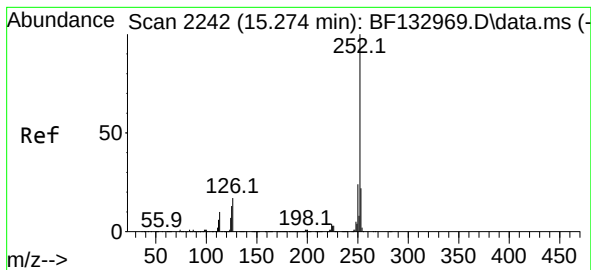
Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

Tgt Ion:252 Resp: 76139

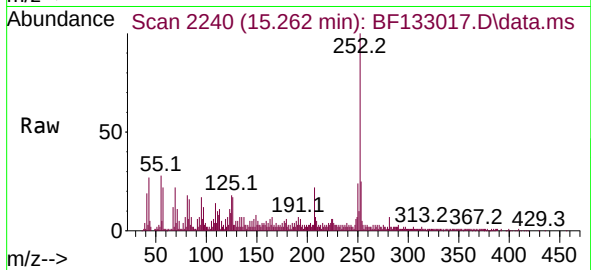
Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.6	26.4
125	19.7	8.9	13.3





#90
Benzo(a)pyrene
Concen: 2.301 ng
RT: 15.262 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP



Tgt Ion:252 Resp: 51410
Ion Ratio Lower Upper
252 100
253 25.4 17.7 26.5
125 18.2 10.5 15.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

