

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
 Data File : BF133337.D
 Acq On : 10 May 2023 18:34
 Operator : CG\JU
 Sample : 02691-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-504-COMP-07

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/11/2023
 Supervised By : Jagrut Upadhyay 05/11/2023

Quant Time: May 11 03:42:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	229891	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	952697	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	503985	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	883149	20.000	ng	0.00
76) Chrysene-d12	13.874	240	450906	20.000	ng	0.00
86) Perylene-d12	15.292	264	485234	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1313814	86.331	ng	0.01
7) Phenol-d6	6.363	99	1598431	84.621	ng	0.00
23) Nitrobenzene-d5	7.286	82	1010233	57.237	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	279323	55.109	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1676663	55.658	ng	0.00
79) Terphenyl-d14	12.827	244	1619151	61.931	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	193092	4.068	ng	98
75) Fluoranthene	12.445	202	253799	5.328	ng	98
78) Pyrene	12.674	202	216172	5.593	ng	99
81) Benzo(a)anthracene	13.863	228	95398	3.077	ng	95
83) Chrysene	13.898	228	82430	2.659	ng	98
88) Benzo(b)fluoranthene	14.886	252	100236m	3.247	ng	
90) Benzo(a)pyrene	15.227	252	73213	2.606	ng	98

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

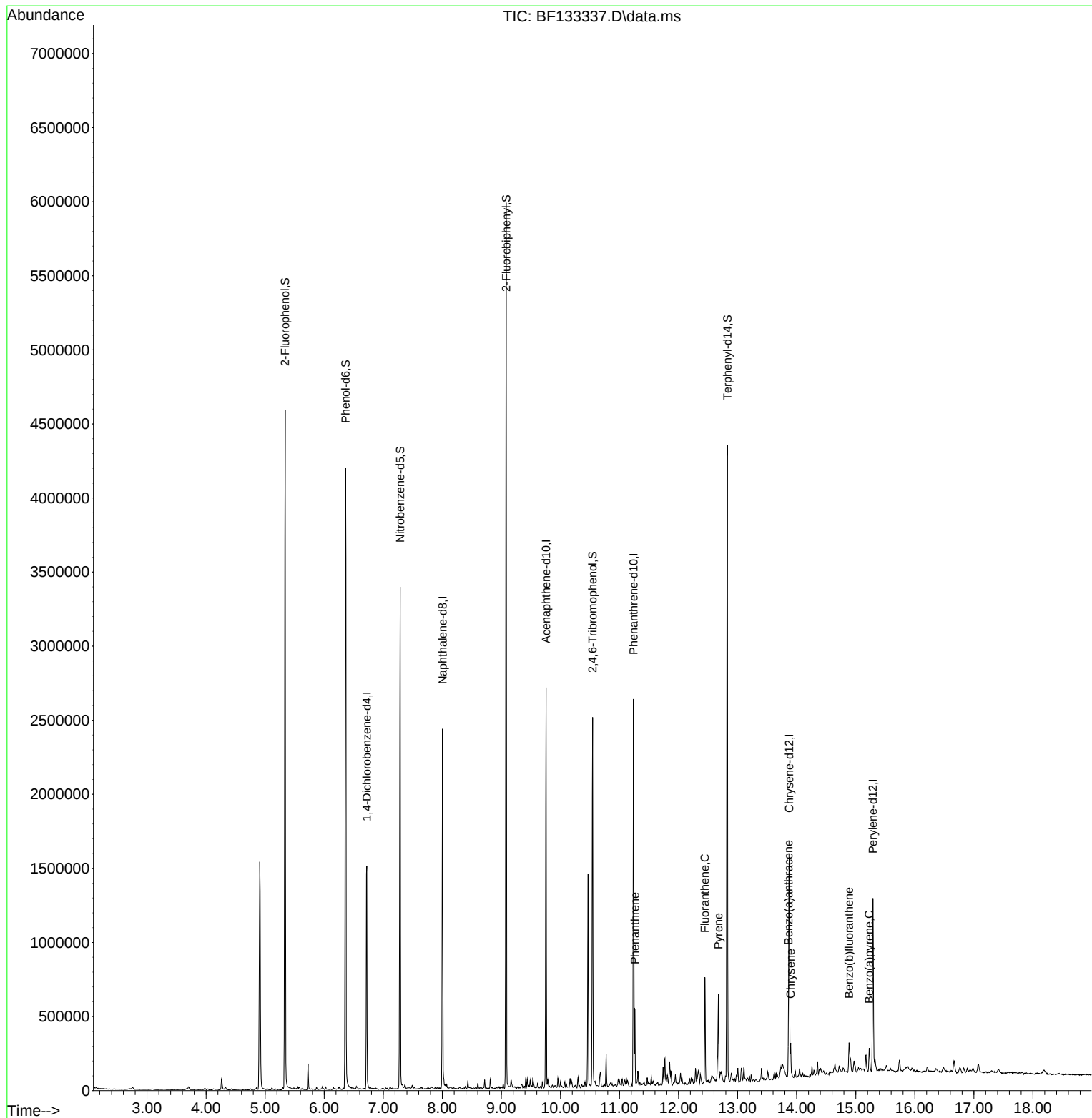
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
Data File : BF133337.D
Acq On : 10 May 2023 18:34
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ALS Vial : 13 Sample Multiplier: 1

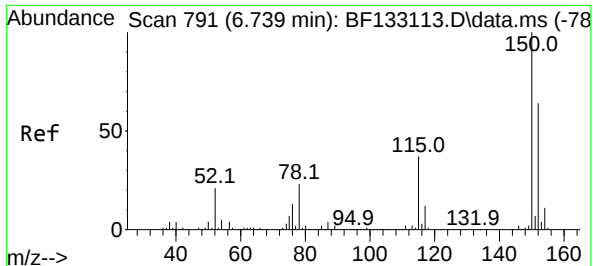
Instrument :
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Quant Time: May 11 03:42:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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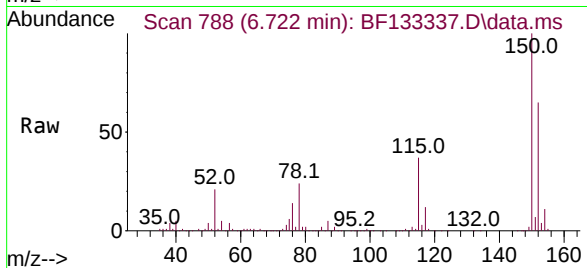
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

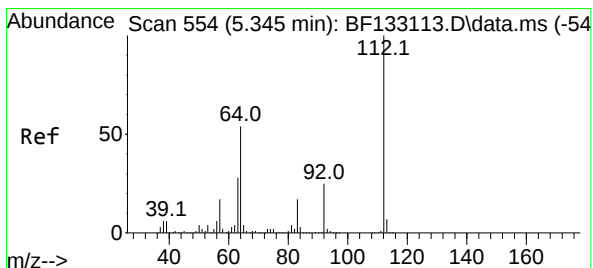
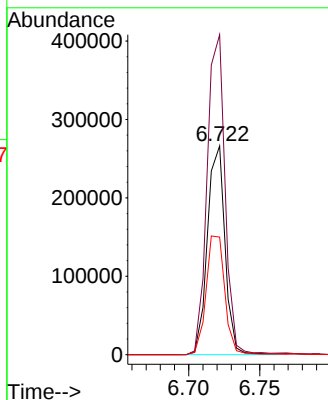
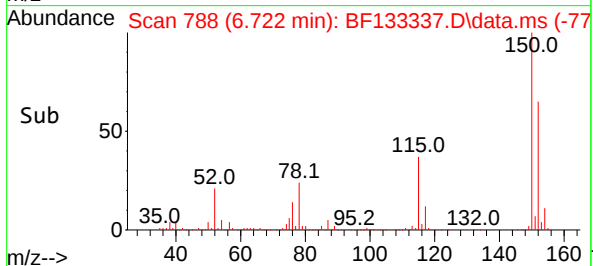
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-07



Tgt Ion:152 Resp: 22989
Ion Ratio Lower Upper
152 100
150 153.3 124.8 187.2
115 56.4 49.9 74.9

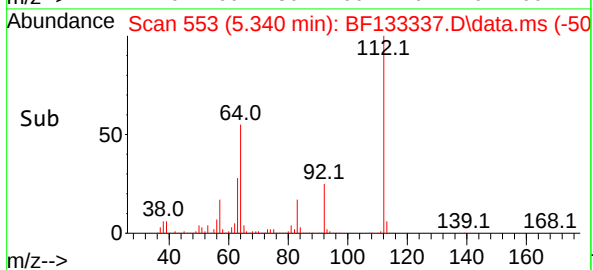
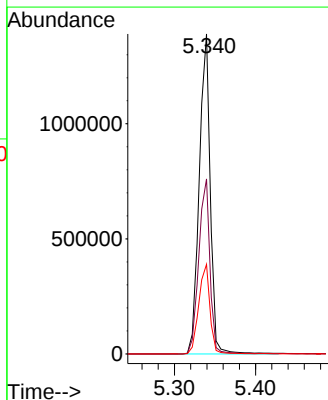
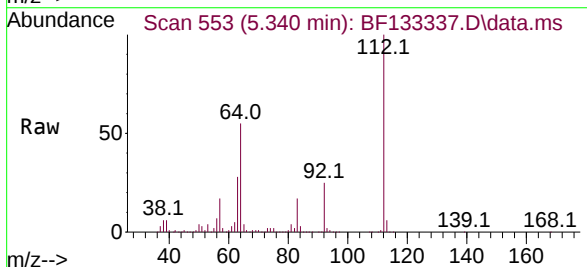
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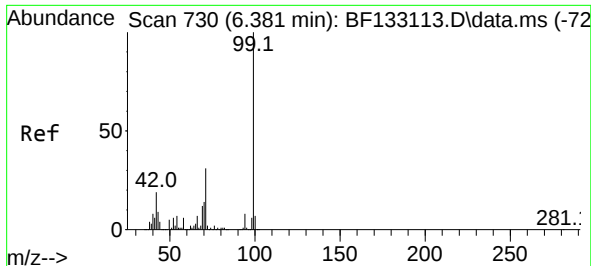
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#5
2-Fluorophenol
Concen: 86.331 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.012 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

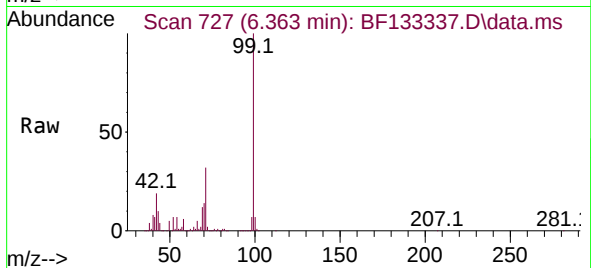
Tgt Ion:112 Resp: 1313814
Ion Ratio Lower Upper
112 100
64 54.7 46.8 70.2
63 28.0 23.8 35.8





#7
Phenol-d6
Concen: 84.621 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

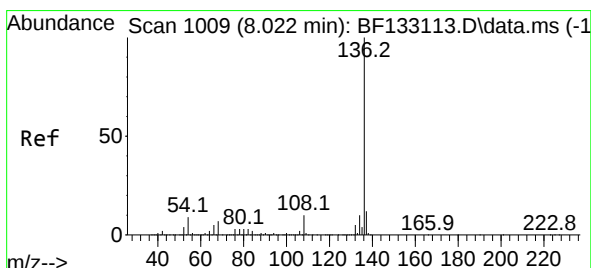
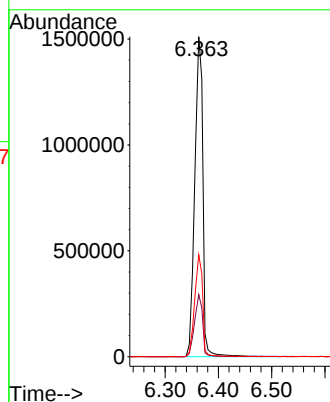
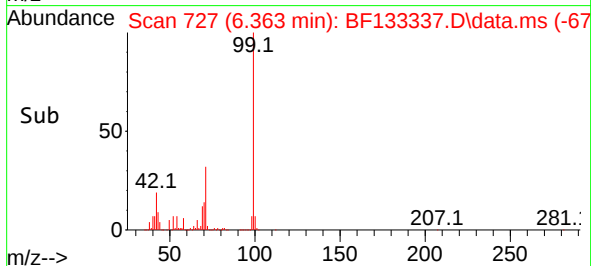
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-07



Tgt Ion: 99 Resp: 159843
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 31.8 25.6 38.4

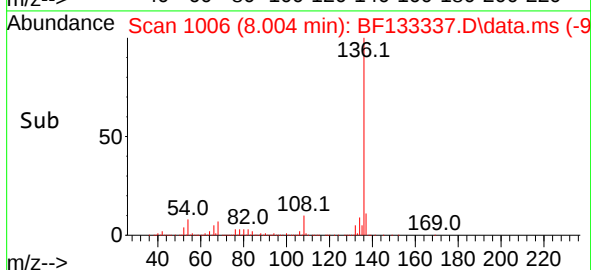
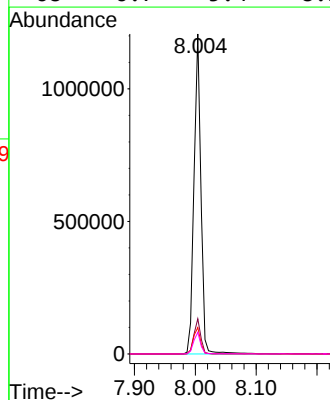
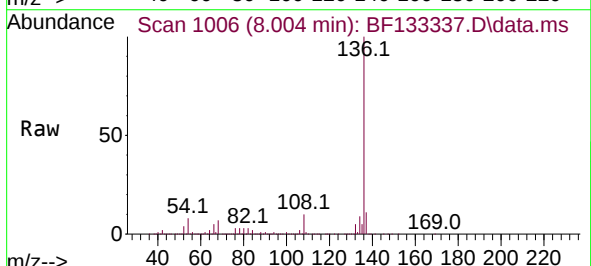
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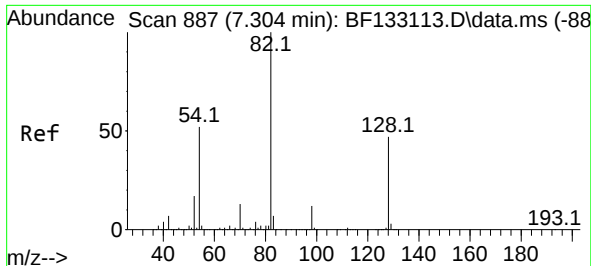
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

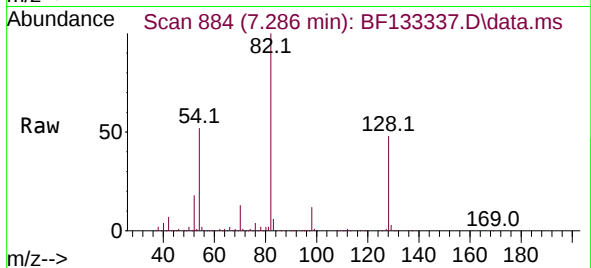
Tgt Ion:136 Resp: 952697
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.3 7.0 10.4
68 6.7 5.4 8.2





#23
Nitrobenzene-d5
Concen: 57.237 ng
RT: 7.286 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

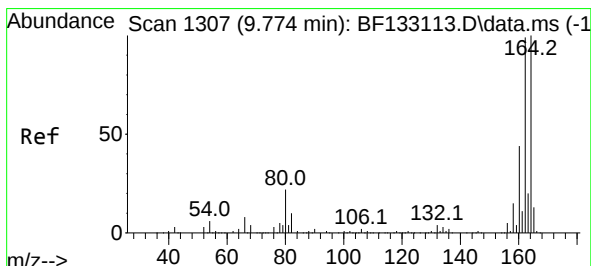
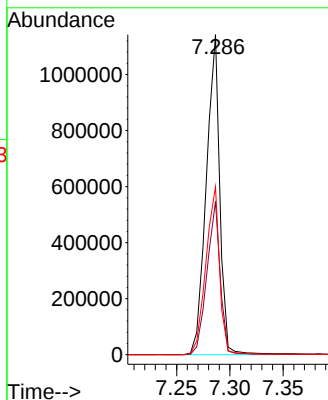
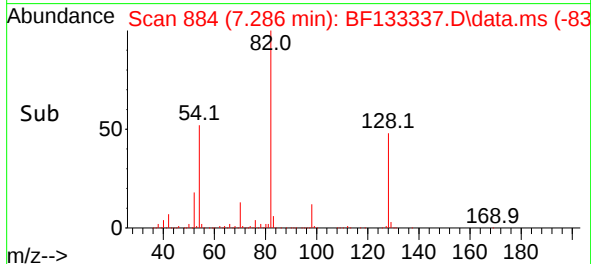
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ClientSampleId :
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Tgt Ion: 82 Resp: 101023
Ion Ratio Lower Upper
82 100
128 47.8 37.7 56.5
54 52.5 43.0 64.4

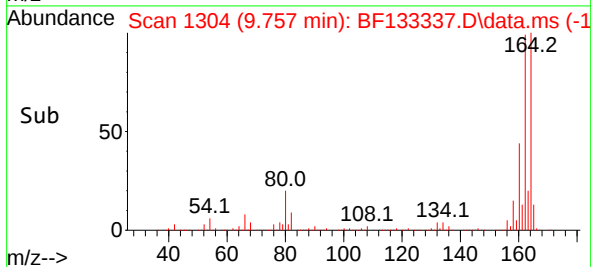
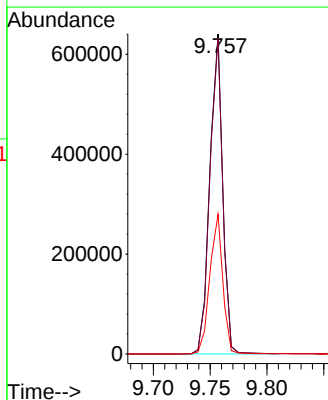
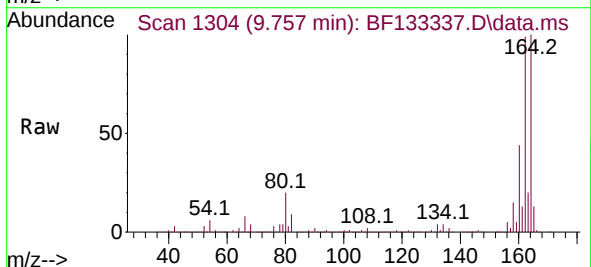
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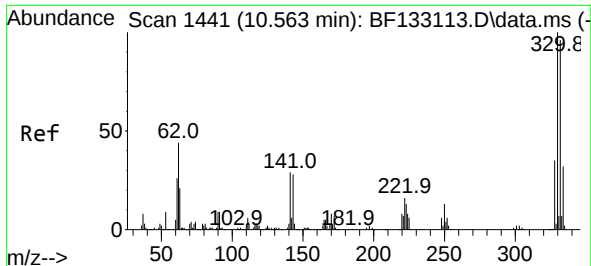
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

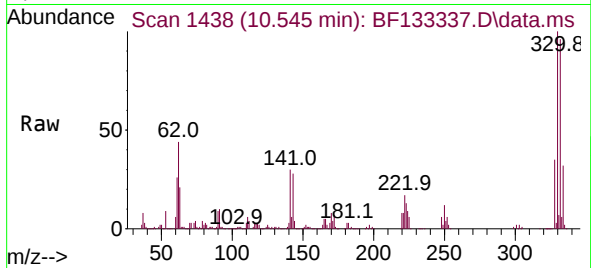
Tgt Ion:164 Resp: 503985
Ion Ratio Lower Upper
164 100
162 98.6 78.7 118.1
160 43.6 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 55.109 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

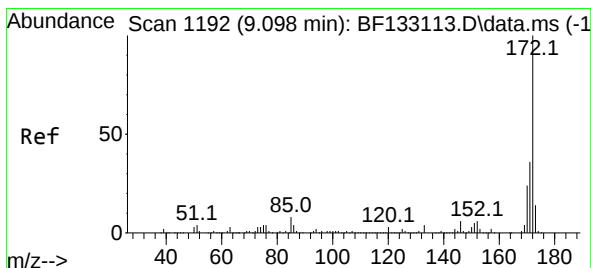
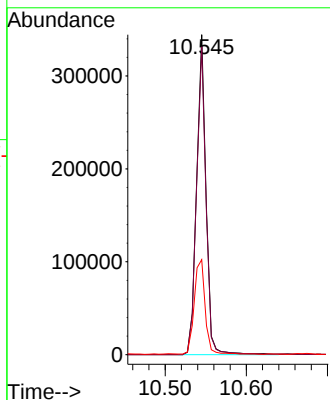
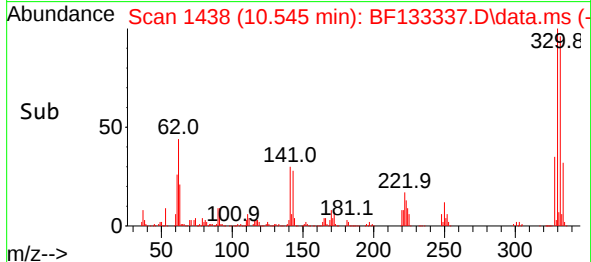
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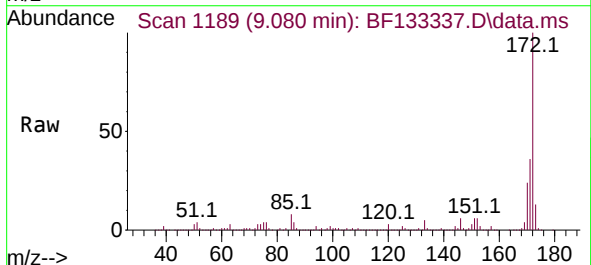
Tgt Ion: 330 Resp: 27932
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 33.9 25.8 38.8

Manual Integrations
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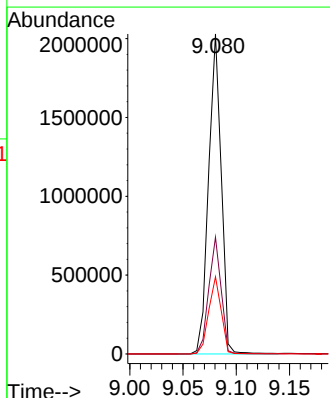
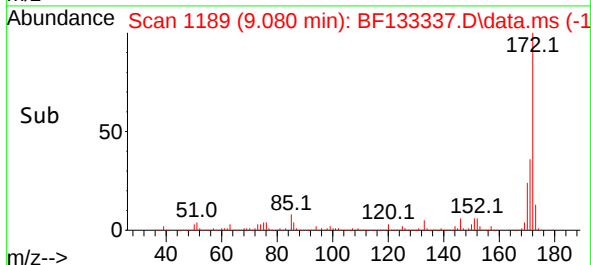
Reviewed By : Christian Giraldo 05/11/2023
Supervised By : Jagrut Upadhyay 05/11/2023

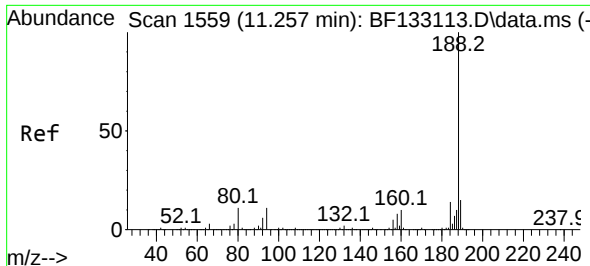


#45
2-Fluorobiphenyl
Concen: 55.658 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34



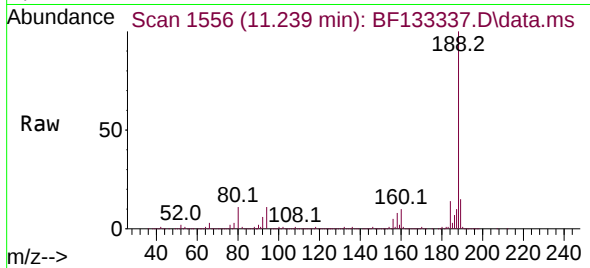
Tgt Ion: 172 Resp: 1676663
Ion Ratio Lower Upper
172 100
171 36.5 28.8 43.2
170 24.1 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

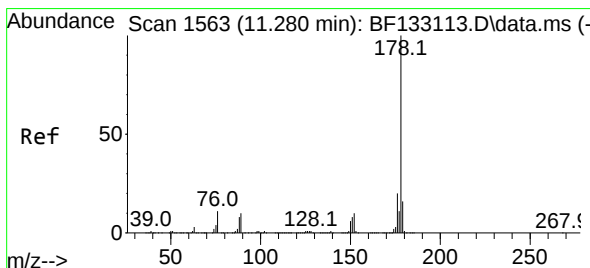
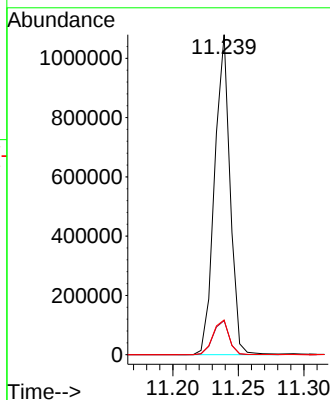
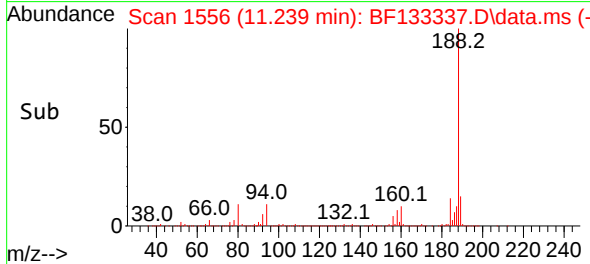
Instrument :
BNA_F
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Tgt Ion:188 Resp: 883149
Ion Ratio Lower Upper
188 100
94 10.7 9.7 14.5
80 10.8 10.4 15.6

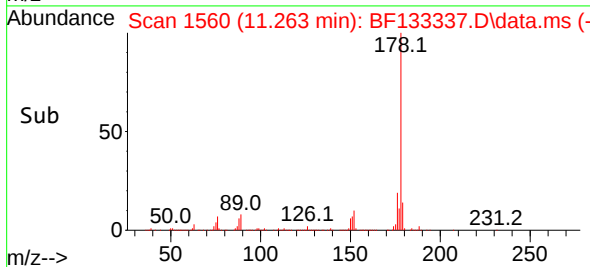
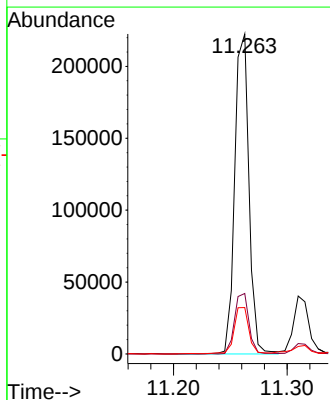
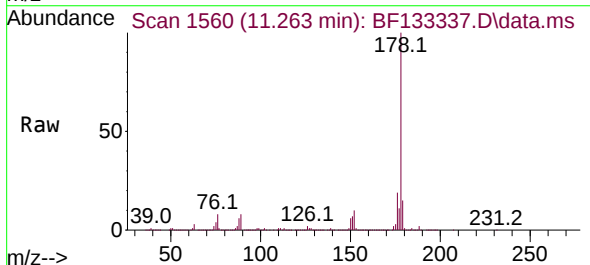
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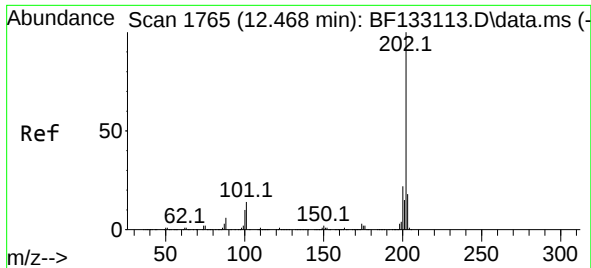
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#71
Phenanthrene
Concen: 4.068 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

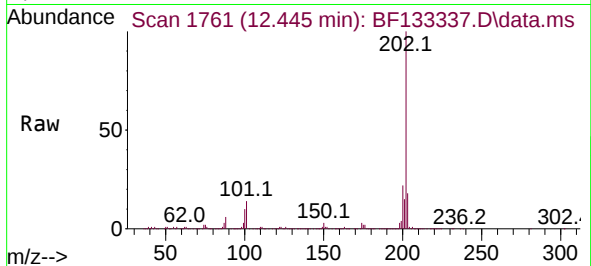
Tgt Ion:178 Resp: 193092
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 14.5 12.5 18.7





#75
Fluoranthene
Concen: 5.328 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

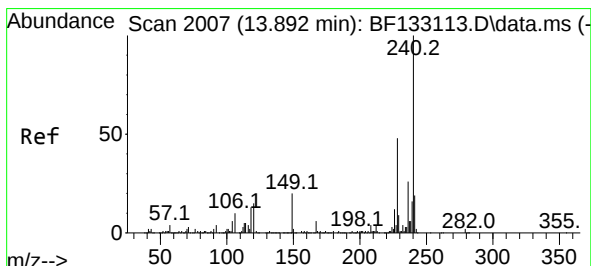
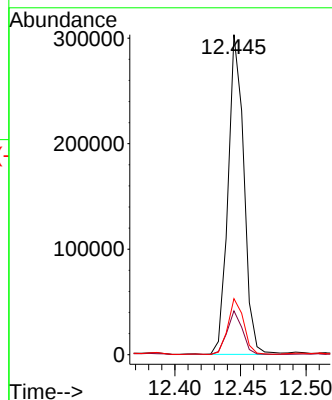
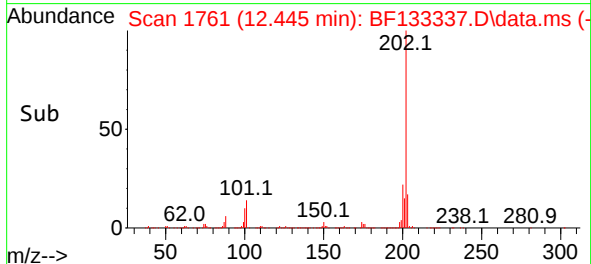
Instrument :
BNA_F
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AU-504-COMP-07



Tgt Ion:202 Resp: 253799
Ion Ratio Lower Upper
202 100
101 13.7 0.0 35.3
203 17.5 0.0 38.1

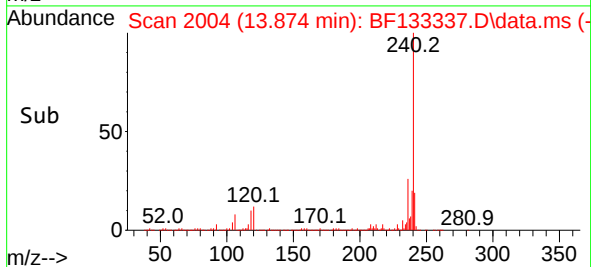
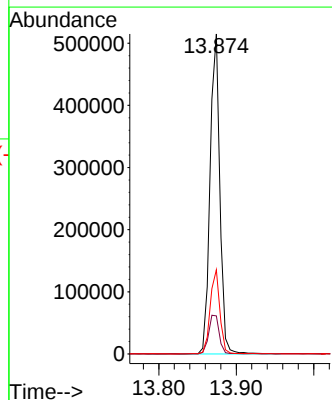
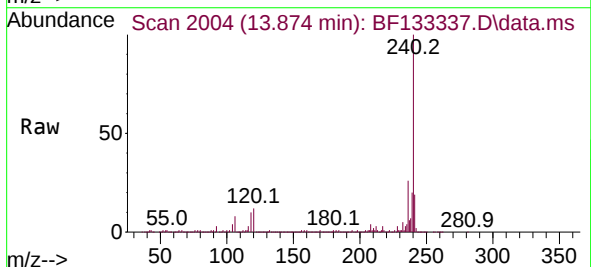
Manual Integrations
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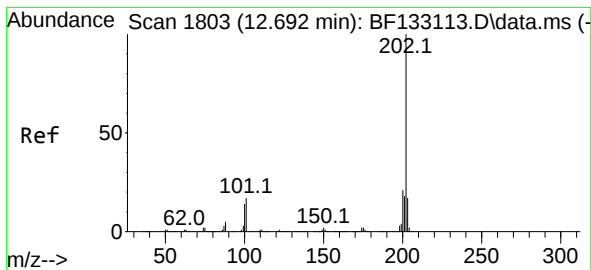
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

Tgt Ion:240 Resp: 450906
Ion Ratio Lower Upper
240 100
120 11.9 10.5 15.7
236 26.3 21.5 32.3





#78

Pyrene

Concen: 5.593 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF133337.D

Acq: 10 May 2023 18:34

Instrument :

BNA_F

ClientSampleId :

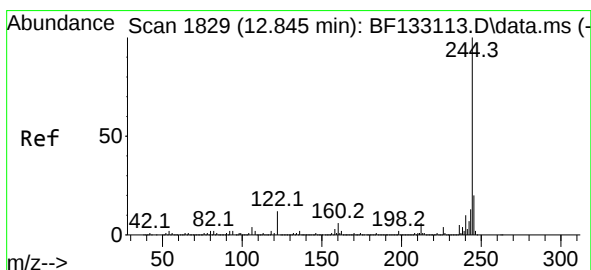
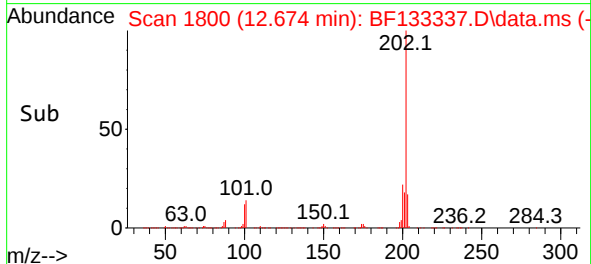
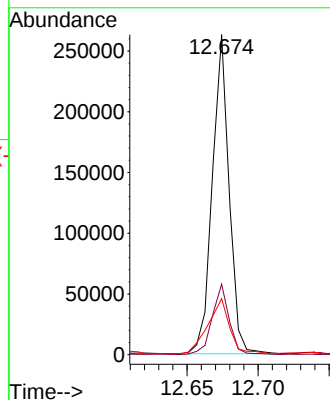
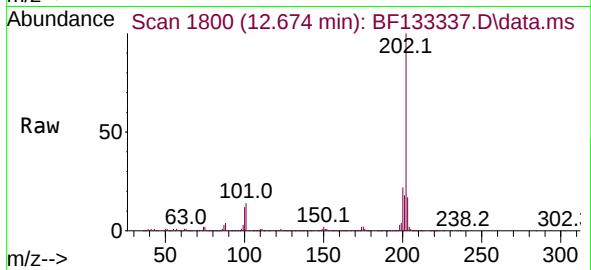
AU-504-COMP-07

Tgt Ion:202 Resp: 216172
 Ion Ratio Lower Upper
 202 100
 200 22.0 17.1 25.7
 203 17.5 14.1 21.1

Manual Integrations

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 Supervised By :Jagrut Upadhyay 05/11/2023



#79

Terphenyl-d14

Concen: 61.931 ng

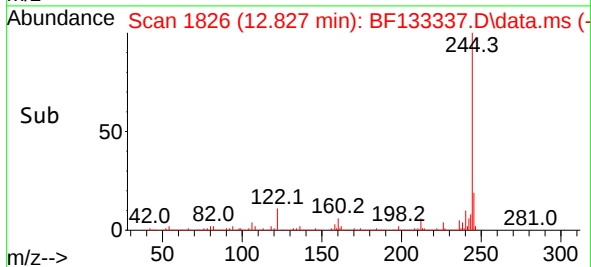
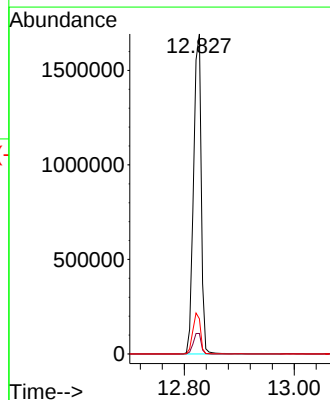
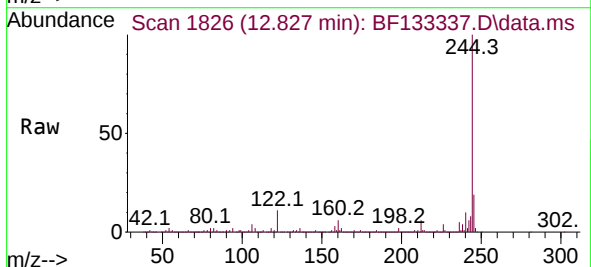
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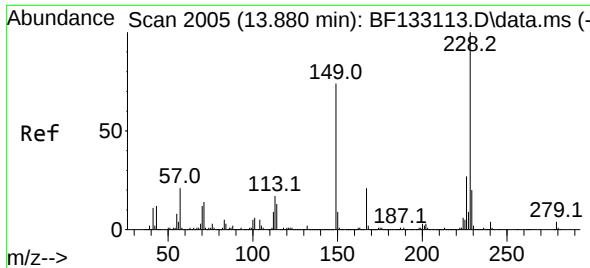
Delta R.T. -0.006 min

Lab File: BF133337.D

Acq: 10 May 2023 18:34

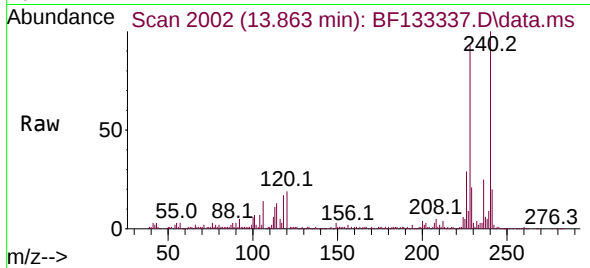
Tgt Ion:244 Resp: 1619151
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 11.0 8.6 13.0





#81
Benzo(a)anthracene
Concen: 3.077 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

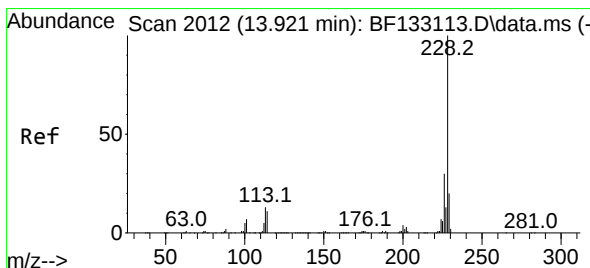
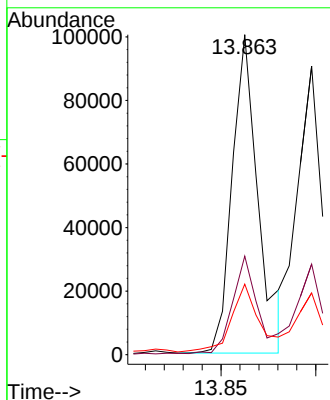
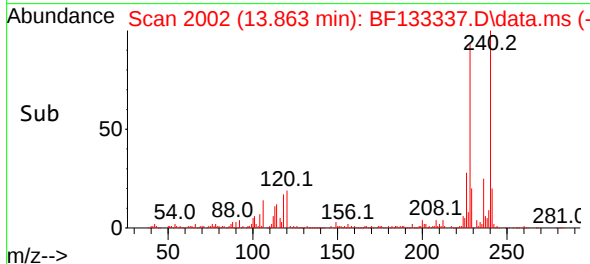
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-07



Tgt Ion:228 Resp: 95398
Ion Ratio Lower Upper
228 100
226 30.8 22.2 33.4
229 22.0 16.0 24.0

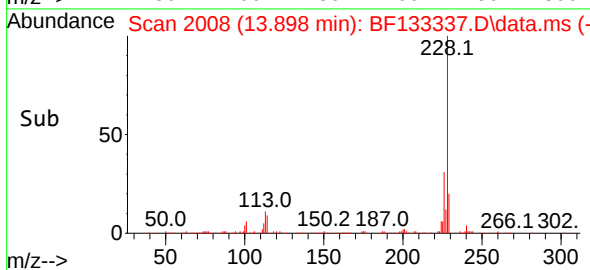
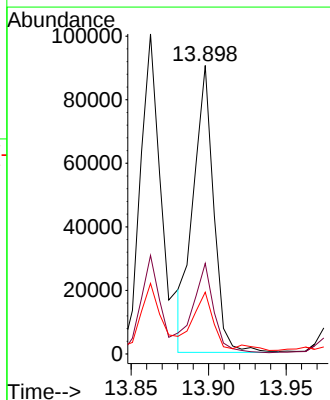
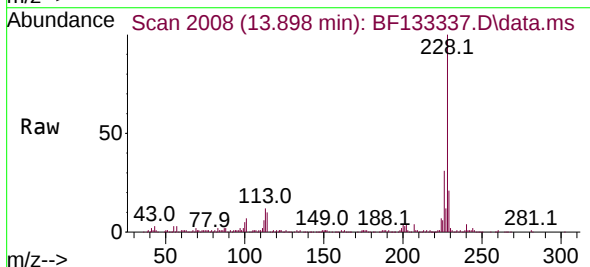
Manual Integrations
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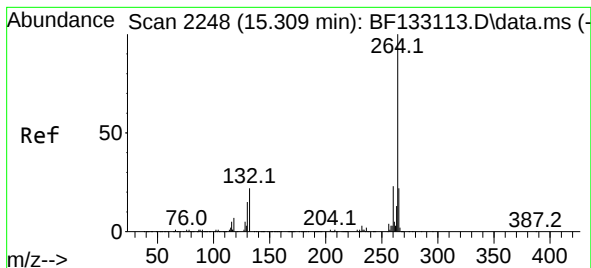
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#83
Chrysene
Concen: 2.659 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

Tgt Ion:228 Resp: 82430
Ion Ratio Lower Upper
228 100
226 31.4 24.7 37.1
229 21.4 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133337.D

Acq: 10 May 2023 18:34

Instrument :

BNA_F

ClientSampleId :

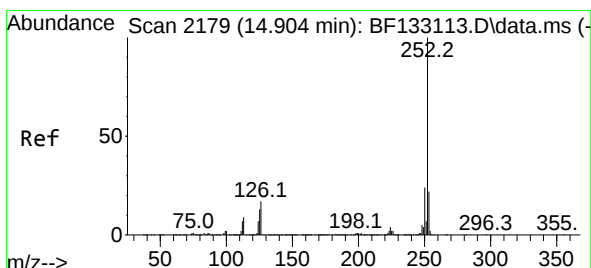
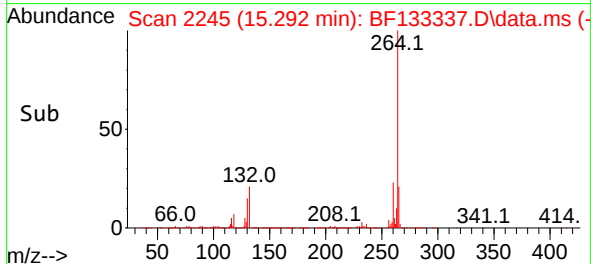
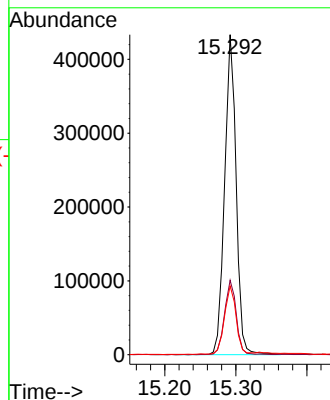
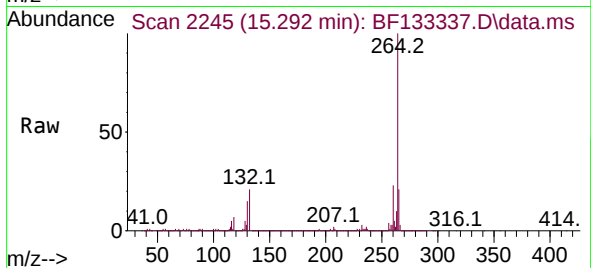
AU-504-COMP-07

Tgt Ion:264	Resp: 485234
Ion Ratio	Lower Upper
264 100	
260 23.3	18.8 28.2
265 21.5	17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#88

Benzo(b)fluoranthene

Concen: 3.247 ng m

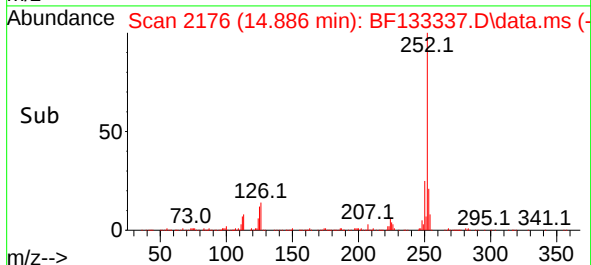
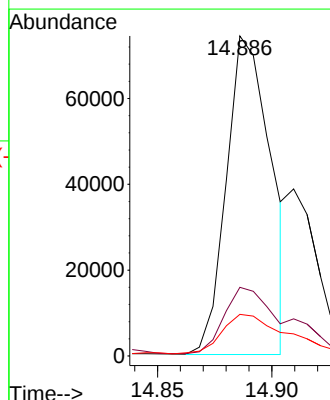
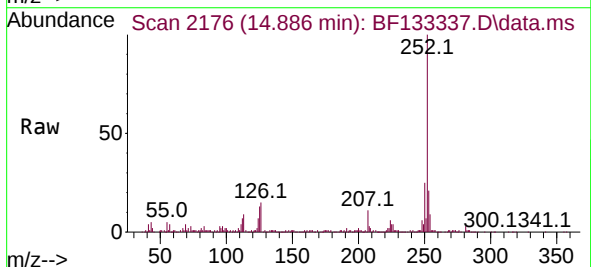
RT: 14.886 min Scan# 2176

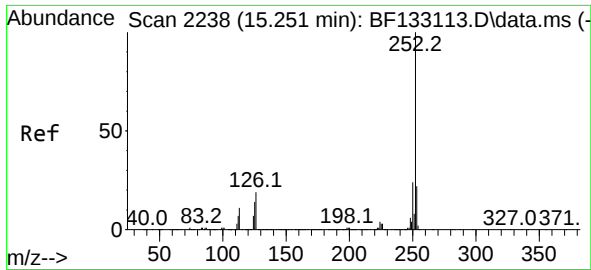
Delta R.T. -0.006 min

Lab File: BF133337.D

Acq: 10 May 2023 18:34

Tgt Ion:252	Resp: 100236
Ion Ratio	Lower Upper
252 100	
253 21.5	17.6 26.4
125 13.0	8.9 13.3





#90

Benzo(a)pyrene

Concen: 2.606 ng

RT: 15.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133337.D

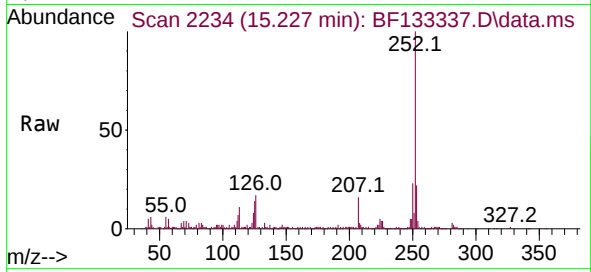
Acq: 10 May 2023 18:34

Instrument :

BNA_F

ClientSampleId :

AU-504-COMP-07



Tgt Ion:252 Resp: 7321

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 14.5 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/11/2023

Supervised By :Jagrut Upadhyay 05/11/2023

