

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133087.D
 Acq On : 27 Apr 2023 02:39
 Operator : CG\JU
 Sample : 02423-11 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPE-1WC-23-04-18

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/27/2023
 Supervised By :Jagrut Upadhyay 04/27/2023

Quant Time: Apr 27 04:04:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	323232	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	1240795	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	558886	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	872421	20.000	ng	0.00
76) Chrysene-d12	13.898	240	547260	20.000	ng	0.00
86) Perylene-d12	15.333	264	439304	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	297984	13.926	ng	0.00
7) Phenol-d6	6.369	99	373500	14.063	ng	-0.01
23) Nitrobenzene-d5	7.292	82	238480	10.374	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	60086	10.690	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	450145	13.475	ng	0.00
79) Terphenyl-d14	12.839	244	389319	12.269	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.280	178	178738	3.812	ng	98
75) Fluoranthene	12.468	202	308530	6.556	ng	97
78) Pyrene	12.692	202	315078	6.716	ng	98
81) Benzo(a)anthracene	13.886	228	140400	3.731	ng	94
83) Chrysene	13.921	228	138883m	3.691	ng	
87) Indeno(1,2,3-cd)pyrene	16.721	276	82380	3.297	ng	96
88) Benzo(b)fluoranthene	14.921	252	182923m	6.545	ng	
90) Benzo(a)pyrene	15.268	252	100364	3.945	ng	# 74
92) Benzo(g,h,i)perylene	17.133	276	87789	4.267	ng	93

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

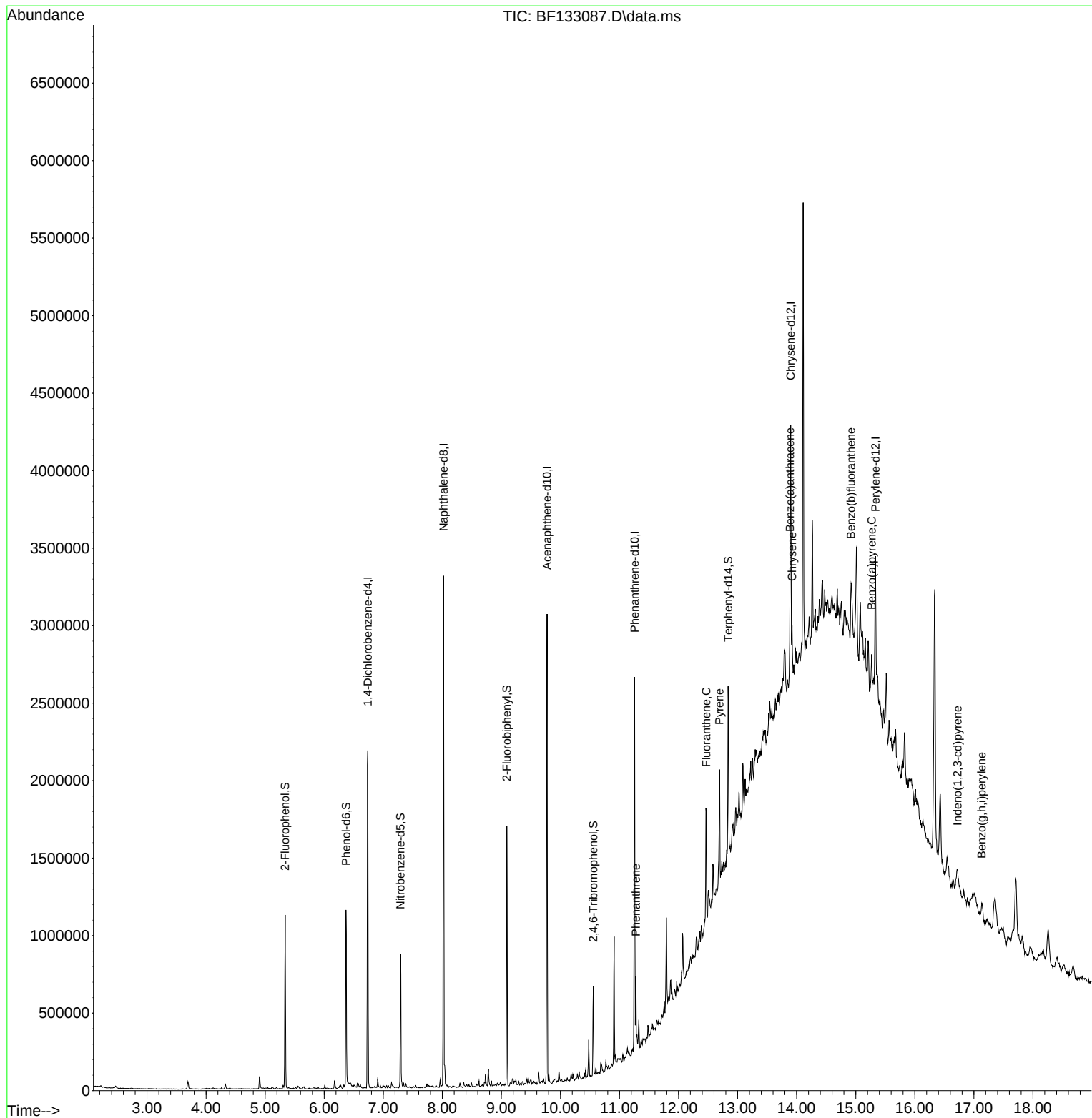
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133087.D
Acq On : 27 Apr 2023 02:39
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Misc :
ALS Vial : 23 Sample Multiplier: 1

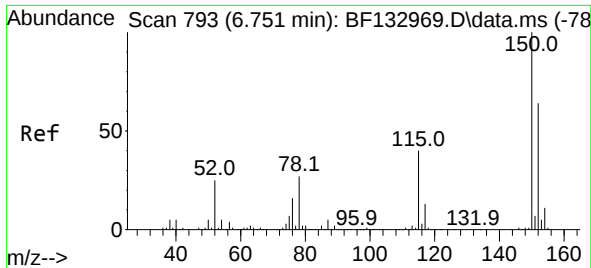
Instrument :
BNA_F
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SPE-1WC-23-04-18

Quant Time: Apr 27 04:04:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 27 01:56:03 2023
Response via : Initial Calibration

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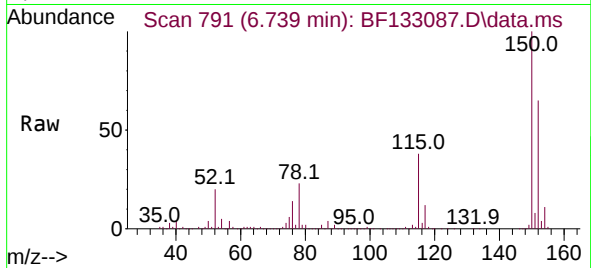
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

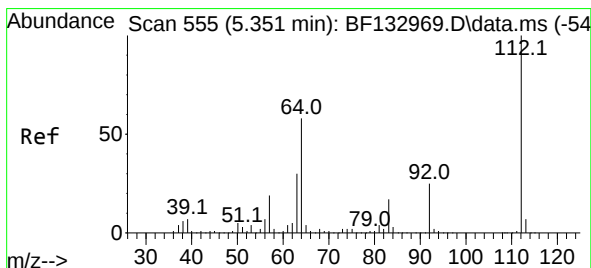
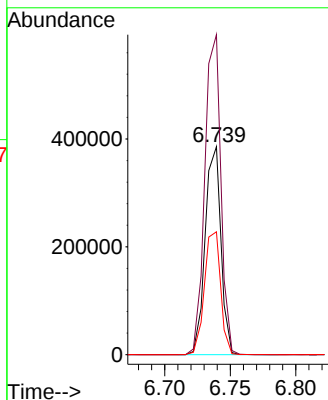
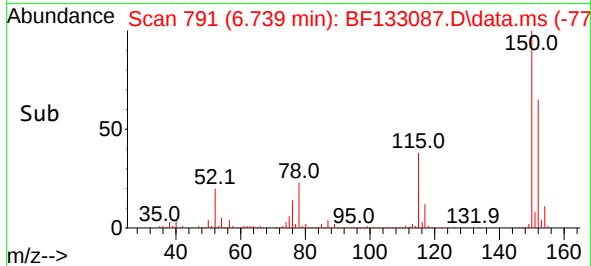
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18



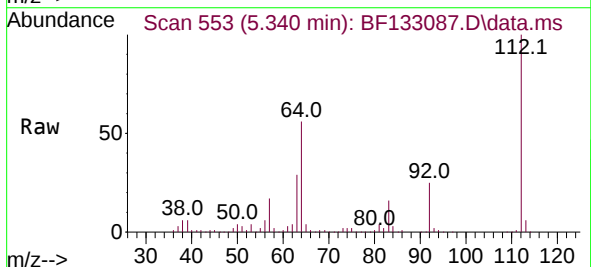
Tgt Ion:152 Resp: 32323
Ion Ratio Lower Upper
152 100
150 153.9 124.8 187.2
115 59.1 49.9 74.9

Manual Integrations
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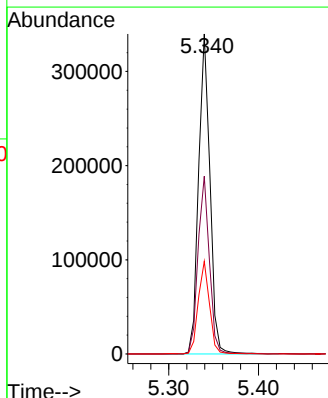
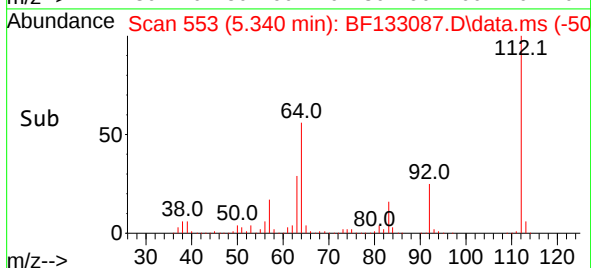
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023

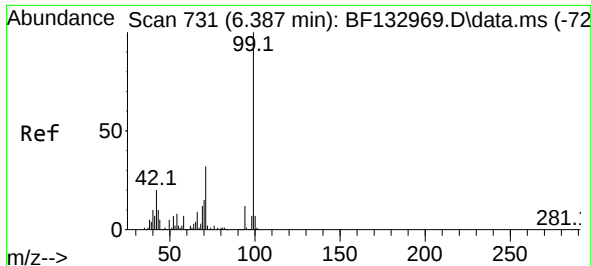


#5
2-Fluorophenol
Concen: 13.926 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39



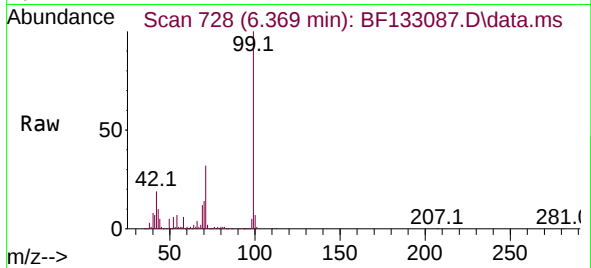
Tgt Ion:112 Resp: 297984
Ion Ratio Lower Upper
112 100
64 55.5 46.8 70.2
63 29.0 23.8 35.8





#7
Phenol-d6
Concen: 14.063 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

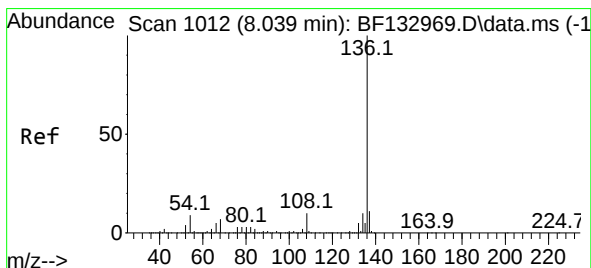
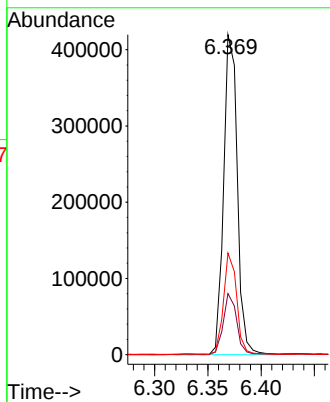
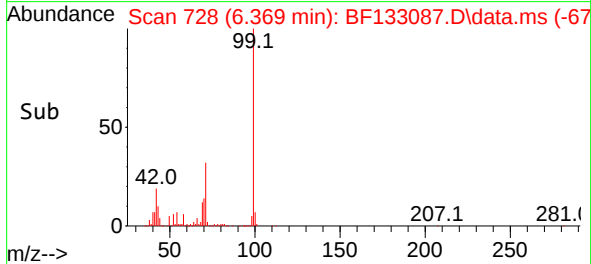
Instrument :
BNA_F
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Tgt Ion: 99 Resp: 373500
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 31.8 25.6 38.4

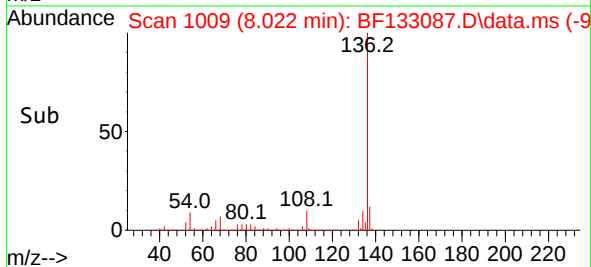
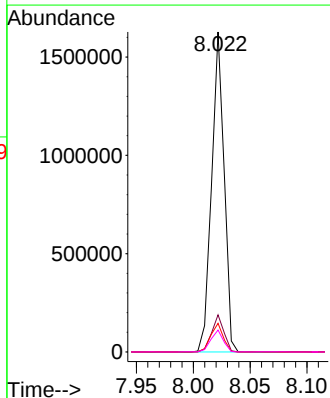
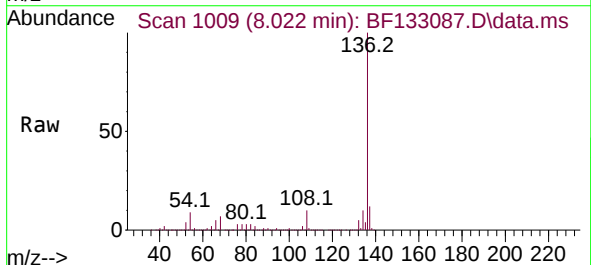
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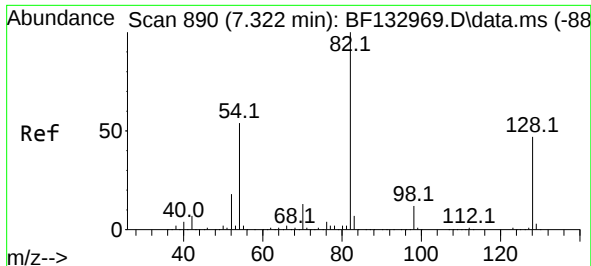
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

Tgt Ion:136 Resp: 1240795
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 9.0 7.0 10.4
68 6.9 5.4 8.2





#23

Nitrobenzene-d5

Concen: 10.374 ng

RT: 7.292 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133087.D

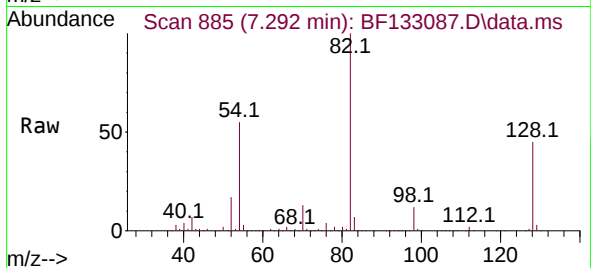
Acq: 27 Apr 2023 02:39

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18



Tgt Ion: 82 Resp: 238486

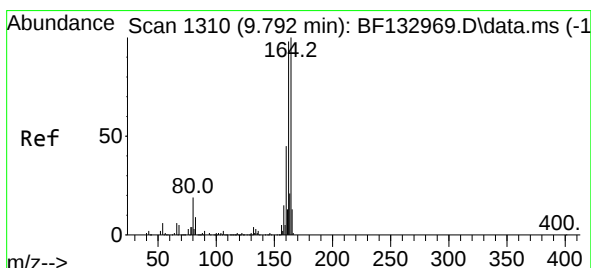
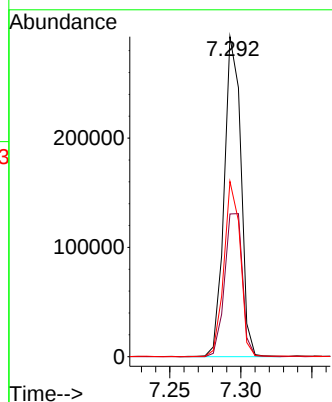
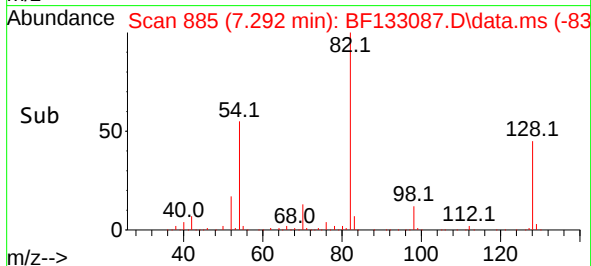
Ion	Ratio	Lower	Upper
82	100		
128	44.6	37.7	56.5
54	54.7	43.0	64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

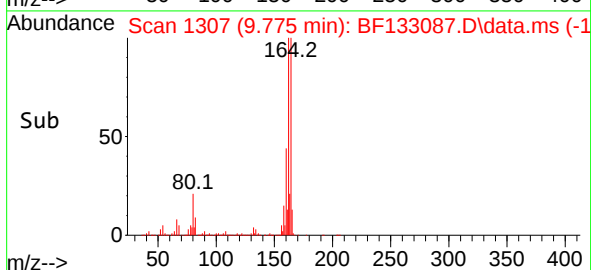
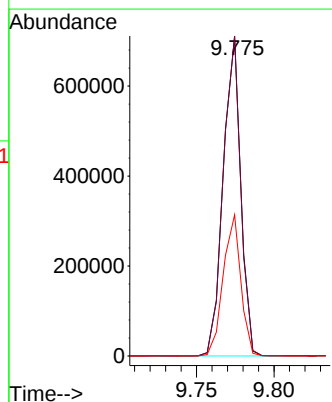
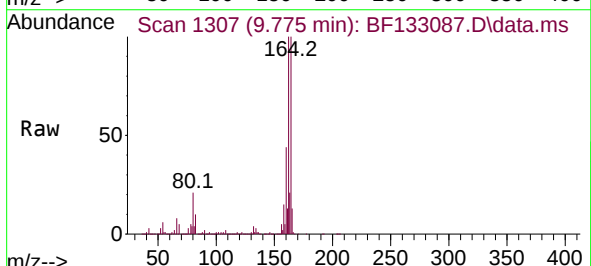
Delta R.T. 0.000 min

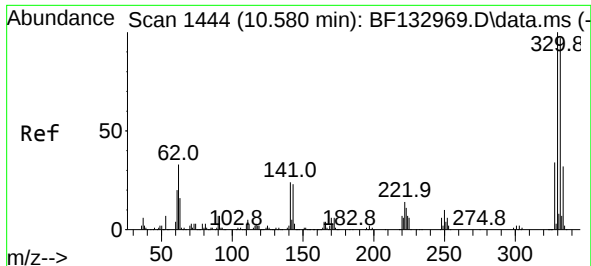
Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

Tgt Ion:164 Resp: 558886

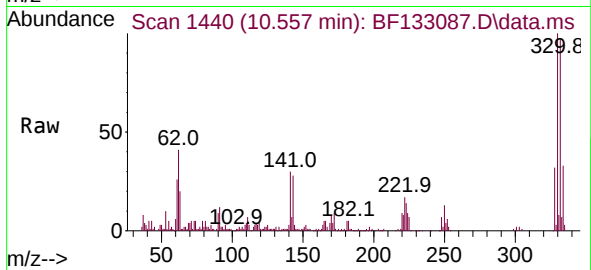
Ion	Ratio	Lower	Upper
164	100		
162	100.0	78.7	118.1
160	44.1	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 10.690 ng
RT: 10.557 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

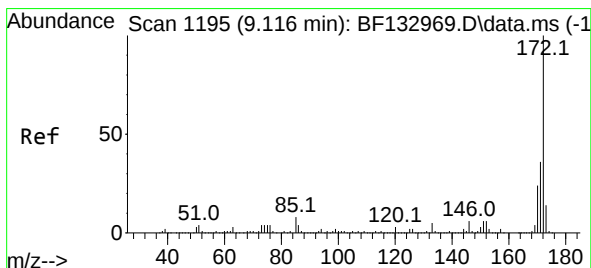
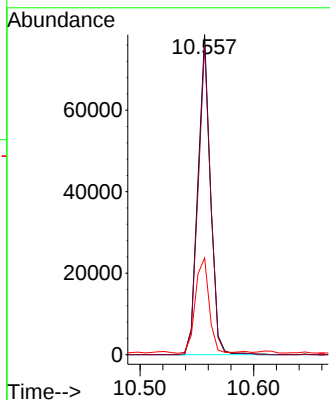
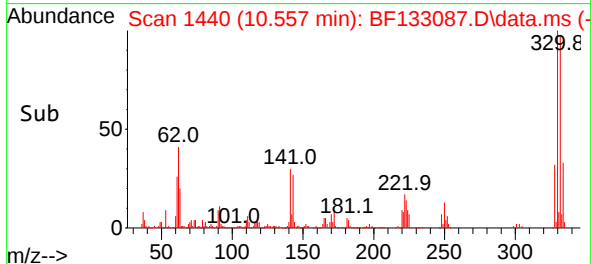
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18



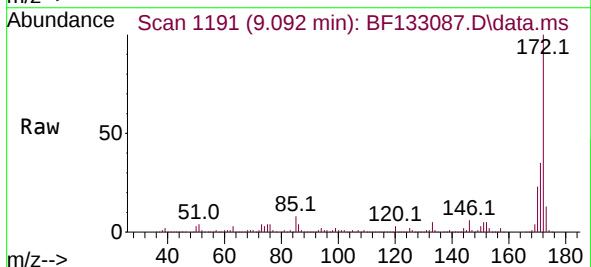
Tgt Ion: 330 Resp: 60080
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 32.7 25.8 38.8

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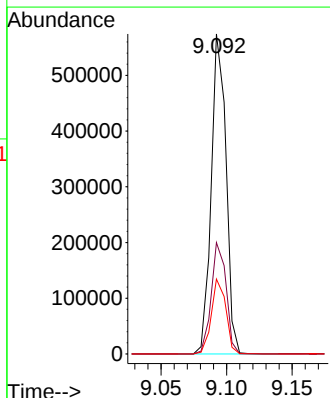
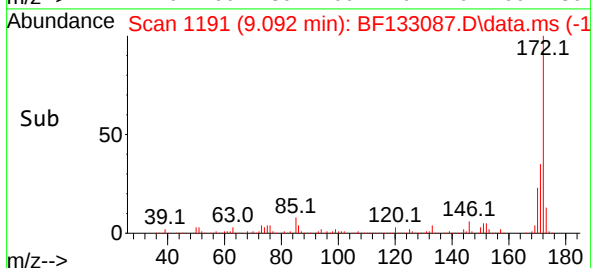
Reviewed By : Christian Giraldo 04/27/2023
Supervised By : Jagrut Upadhyay 04/27/2023

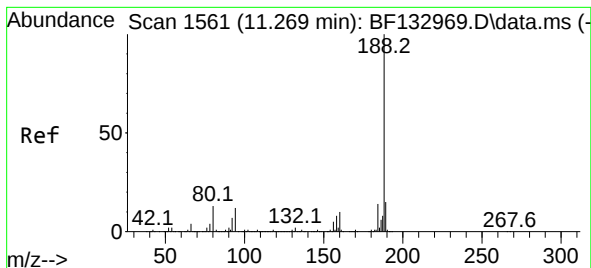


#45
2-Fluorobiphenyl
Concen: 13.475 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39



Tgt Ion: 172 Resp: 450145
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.4 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.257 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

Tgt Ion:188 Resp: 87242

Ion Ratio Lower Upper

188 100

94 11.1 9.7 14.5

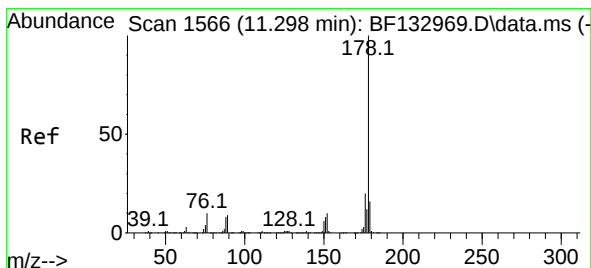
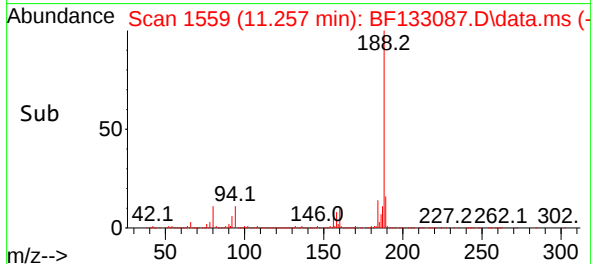
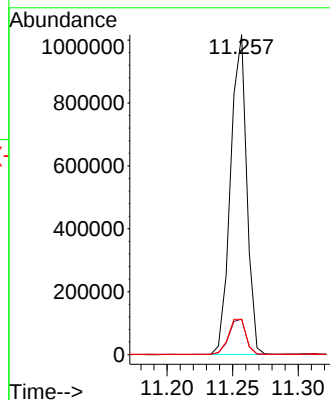
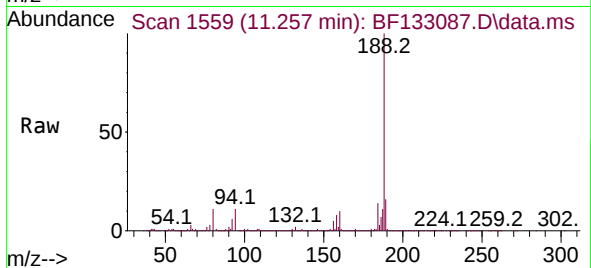
80 11.0 10.4 15.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#71

Phenanthrene

Concen: 3.812 ng

RT: 11.280 min Scan# 1563

Delta R.T. 0.000 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

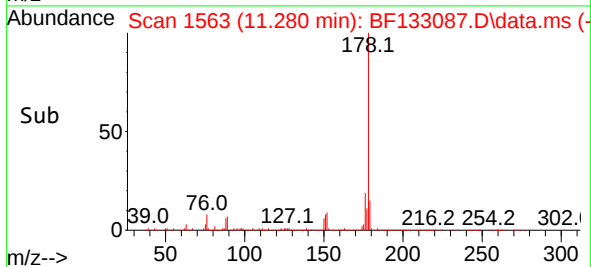
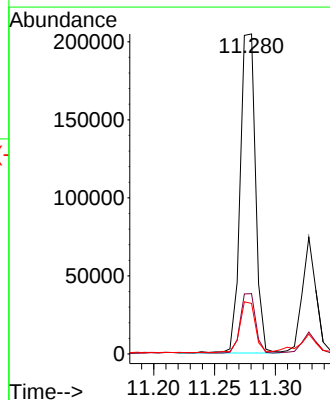
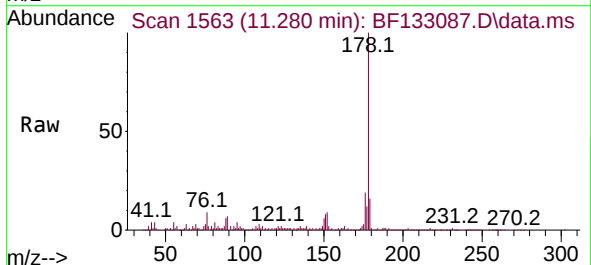
Tgt Ion:178 Resp: 178738

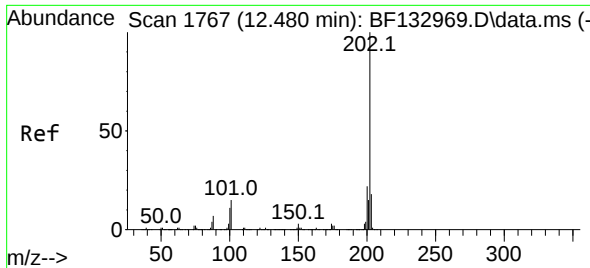
Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

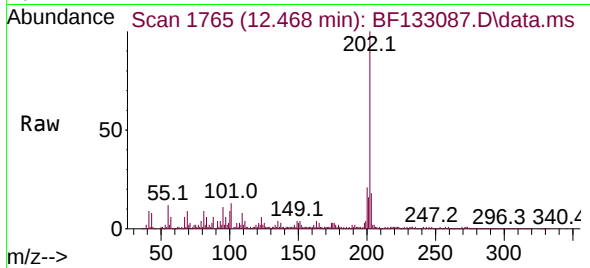
179 15.8 12.5 18.7





#75
Fluoranthene
Concen: 6.556 ng
RT: 12.468 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

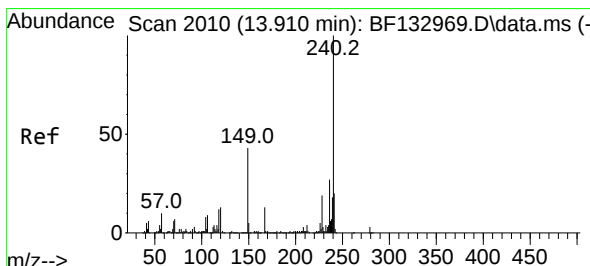
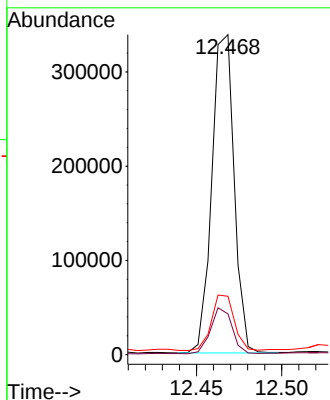
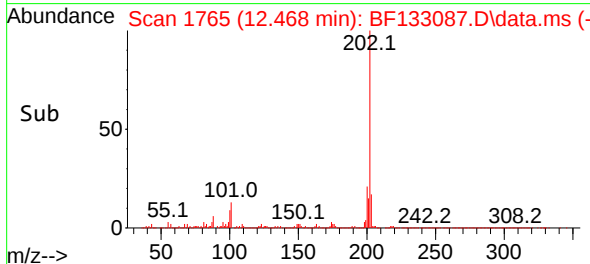
Instrument :
BNA_F
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Tgt Ion:202 Resp: 308530
Ion Ratio Lower Upper
202 100
101 12.7 0.0 35.3
203 18.3 0.0 38.1

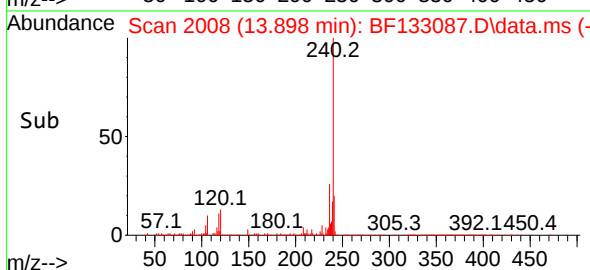
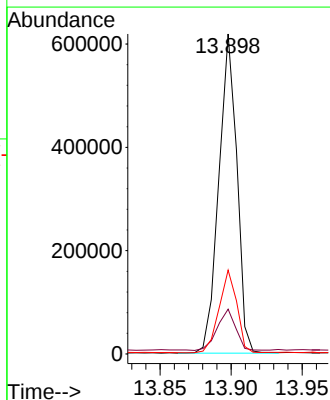
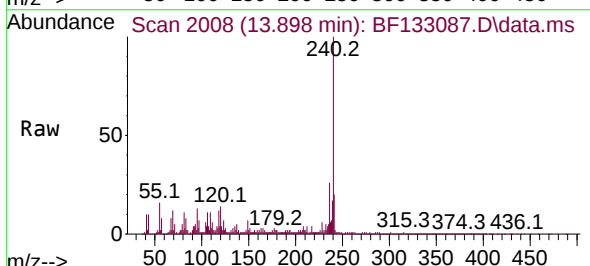
Manual Integrations
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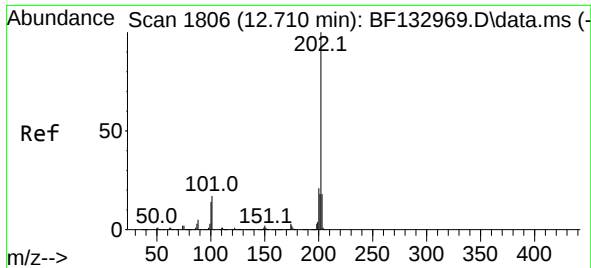
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2008
Delta R.T. 0.006 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

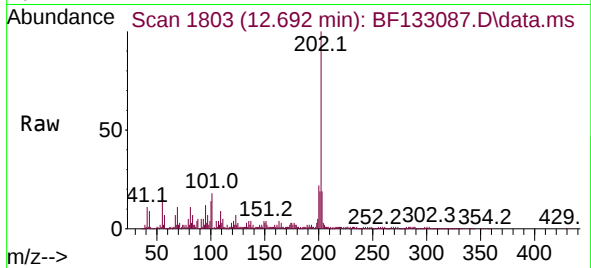
Tgt Ion:240 Resp: 547260
Ion Ratio Lower Upper
240 100
120 14.0 10.5 15.7
236 26.2 21.5 32.3





#78
 Pyrene
 Concen: 6.716 ng
 RT: 12.692 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: BF133087.D
 Acq: 27 Apr 2023 02:39

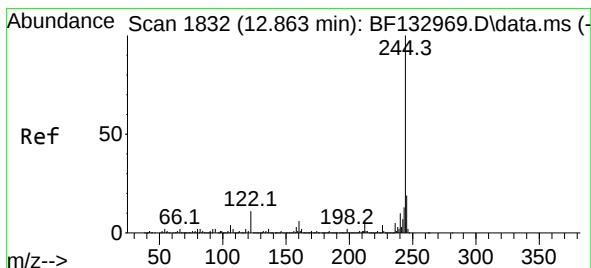
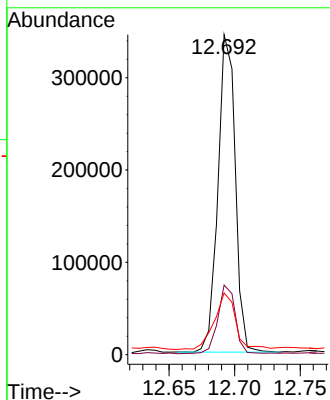
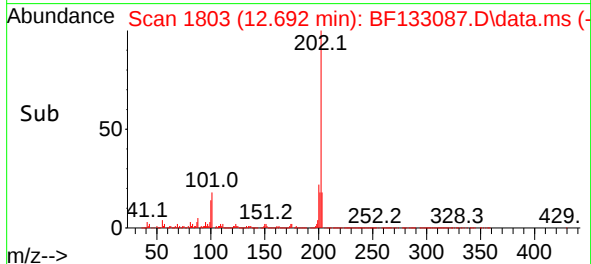
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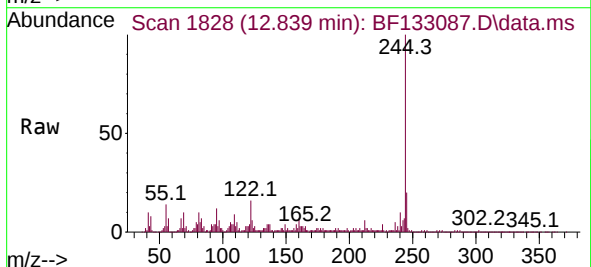
Tgt Ion:202 Resp: 315078
 Ion Ratio Lower Upper
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 200 21.8 17.1 25.7
 203 19.3 14.1 21.1

Manual Integrations
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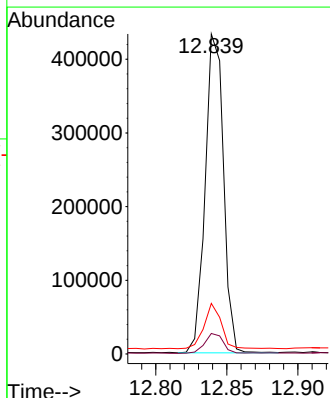
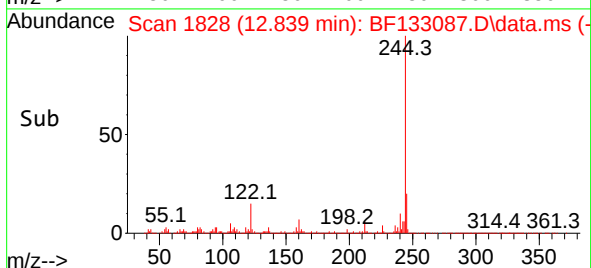
Reviewed By :Christian Giraldo 04/27/2023
 Supervised By :Jagrut Upadhyay 04/27/2023

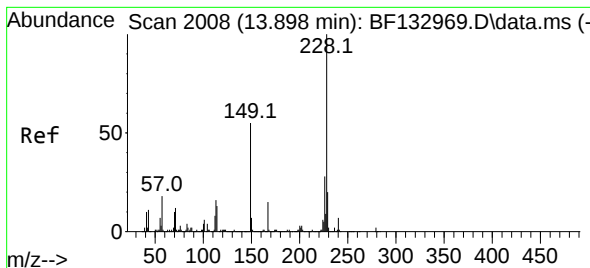


#79
 Terphenyl-d14
 Concen: 12.269 ng
 RT: 12.839 min Scan# 1828
 Delta R.T. 0.000 min
 Lab File: BF133087.D
 Acq: 27 Apr 2023 02:39



Tgt Ion:244 Resp: 389319
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 15.8 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 3.731 ng

RT: 13.886 min Scan# 2006

Delta R.T. 0.006 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

Tgt Ion:228 Resp: 140400

Ion Ratio Lower Upper

228 100

226 30.9 22.2 33.4

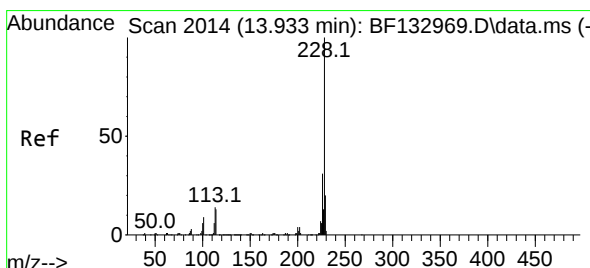
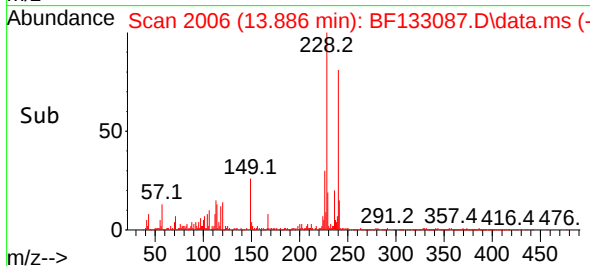
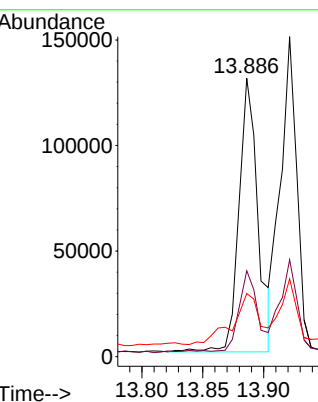
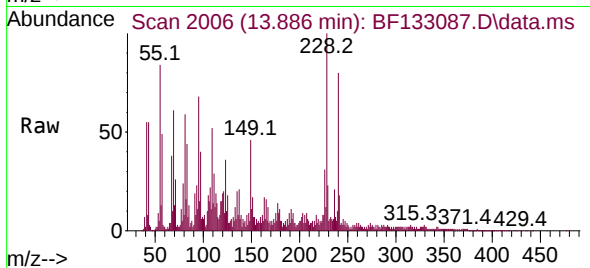
229 22.7 16.0 24.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#83

Chrysene

Concen: 3.691 ng m

RT: 13.921 min Scan# 2012

Delta R.T. 0.006 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

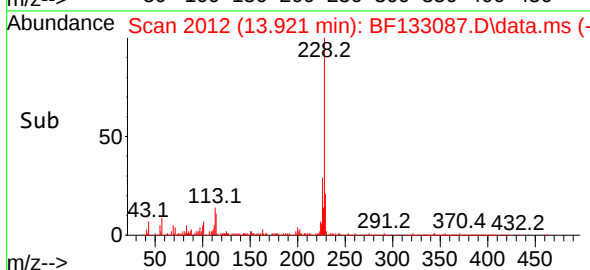
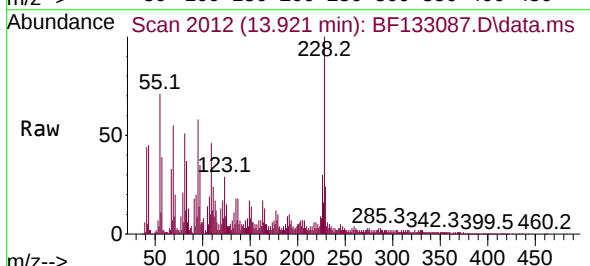
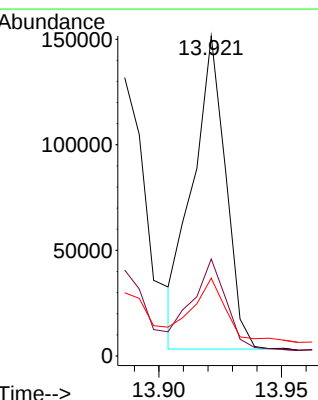
Tgt Ion:228 Resp: 138883

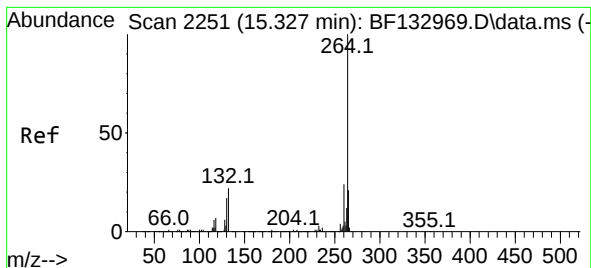
Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

229 24.3 16.1 24.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

Instrument :

BNF_F

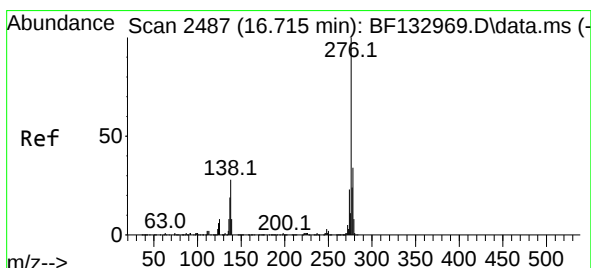
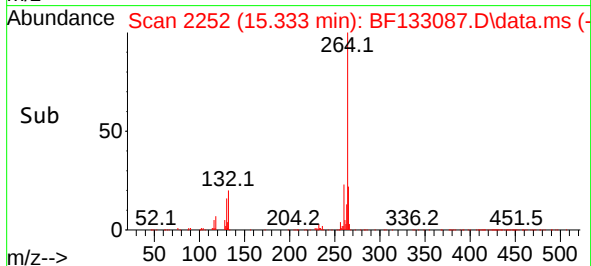
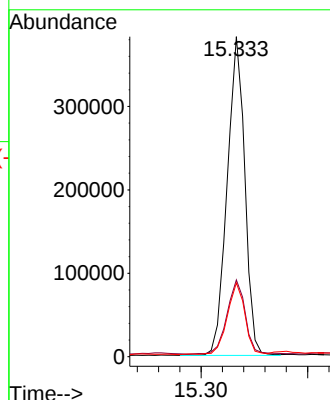
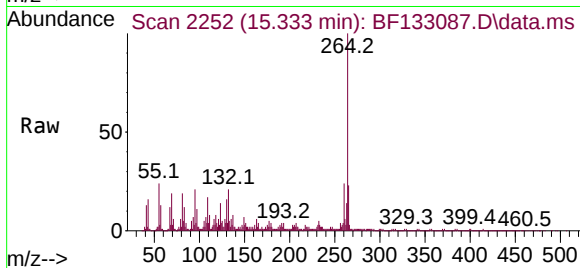
ClientSampleId :

SPE-1WC-23-04-18

Tgt Ion:264 Resp: 439304
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.8 28.2
 265 23.1 17.0 25.4

Manual Integrations
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 Supervised By :Jagrut Upadhyay 04/27/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.297 ng

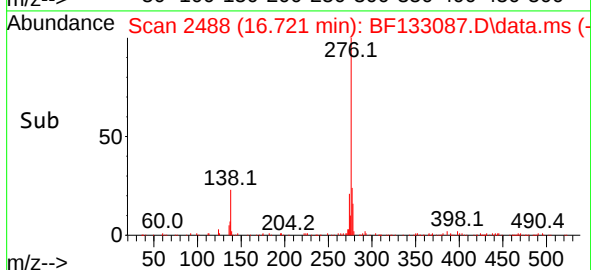
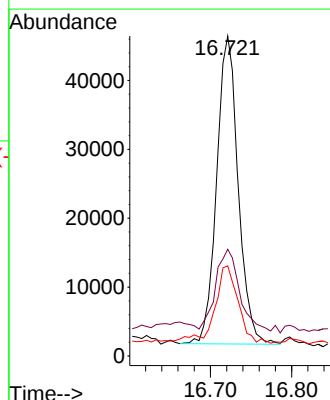
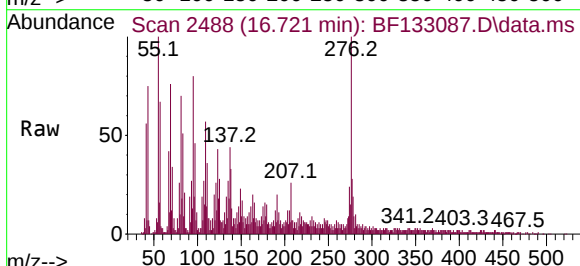
RT: 16.721 min Scan# 2488

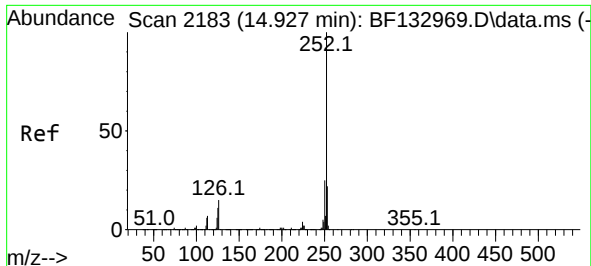
Delta R.T. 0.035 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

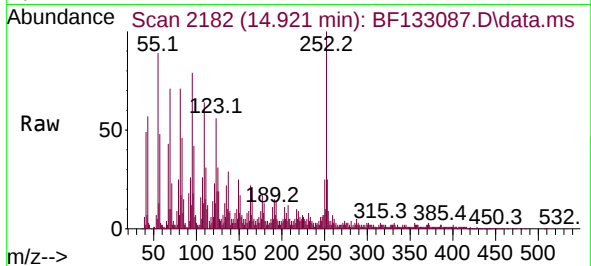
Tgt Ion:276 Resp: 82380
 Ion Ratio Lower Upper
 276 100
 138 29.3 25.5 38.3
 277 27.4 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 6.545 ng m
RT: 14.921 min Scan# 2183
Delta R.T. 0.018 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

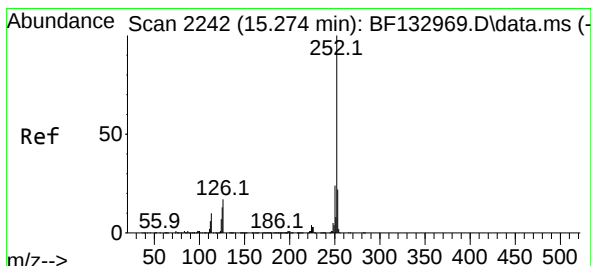
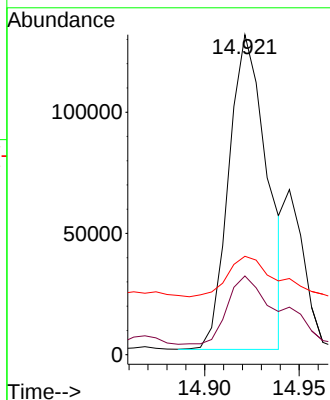
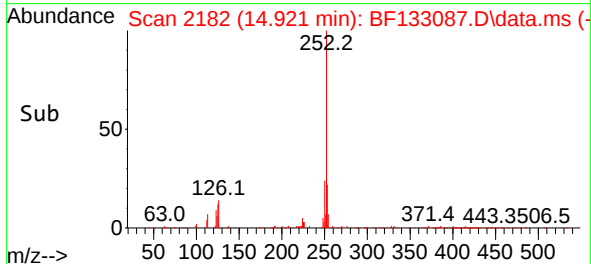
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18



Tgt Ion:252 Resp: 18292
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 30.8 8.9 13.3

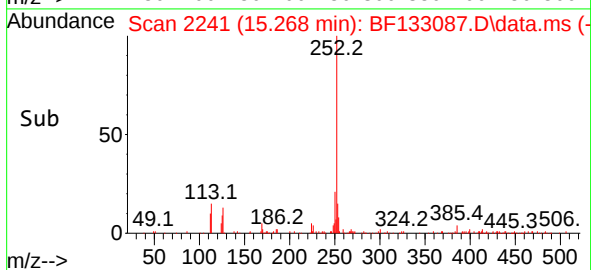
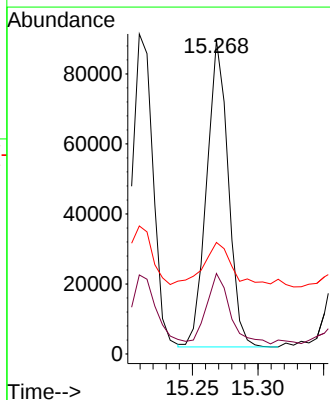
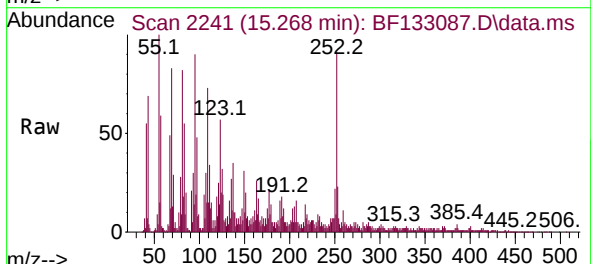
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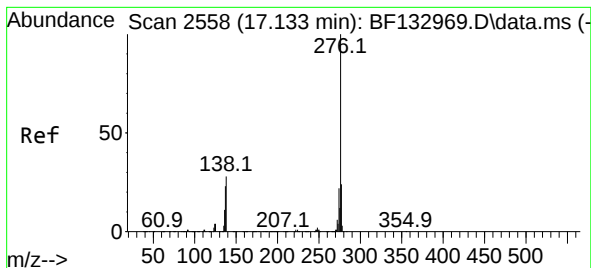
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#90
Benzo(a)pyrene
Concen: 3.945 ng
RT: 15.268 min Scan# 2241
Delta R.T. 0.018 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

Tgt Ion:252 Resp: 100364
Ion Ratio Lower Upper
252 100
253 25.6 17.7 26.5
125 35.6 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 4.267 ng

RT: 17.133 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF133087.D

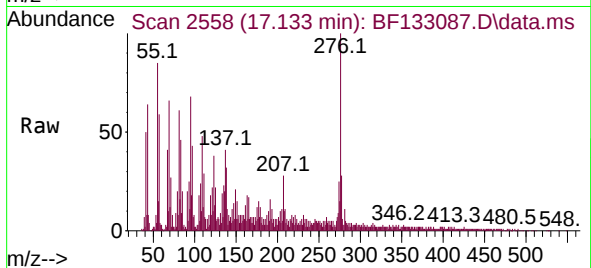
Acq: 27 Apr 2023 02:39

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18



Tgt Ion: 276 Resp: 87789

Ion Ratio Lower Upper

276 100

277 27.8 19.4 29.0

138 31.8 22.7 34.1

Manual Integrations

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Reviewed By : Christian Giraldo 04/27/2023

Supervised By : Jagrut Upadhyay 04/27/2023

