

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042723\
 Data File : BF133110.D
 Acq On : 27 Apr 2023 20:27
 Operator : CG\JU
 Sample : 02423-11 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Apr 28 02:12:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 28 02:00:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/28/2023
 Supervised By :Jagrut Upadhyay 04/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	391992	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	1530357	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	710701	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	1054159	20.000	ng	0.00
76) Chrysene-d12	13.892	240	664374	20.000	ng	0.00
86) Perylene-d12	15.333	264	546175	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	366513	14.124	ng	0.00
7) Phenol-d6	6.369	99	451974	14.033	ng	-0.01
23) Nitrobenzene-d5	7.292	82	301475	10.633	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	75945	10.625	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	568297	13.378	ng	0.00
79) Terphenyl-d14	12.839	244	408219	10.597	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.275	178	213854	3.774	ng	99
75) Fluoranthene	12.463	202	334706	5.886	ng	96
78) Pyrene	12.686	202	325419	5.714	ng	96
81) Benzo(a)anthracene	13.880	228	159802	3.498	ng	# 91
83) Chrysene	13.916	228	181953	3.984	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.715	276	96229	3.097	ng	98
88) Benzo(b)fluoranthene	14.916	252	221047m	6.362	ng	
89) Benzo(k)fluoranthene	14.939	252	74696m	2.169	ng	
90) Benzo(a)pyrene	15.268	252	124660	3.942	ng	# 76
92) Benzo(g,h,i)perylene	17.133	276	102378	4.002	ng	99

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

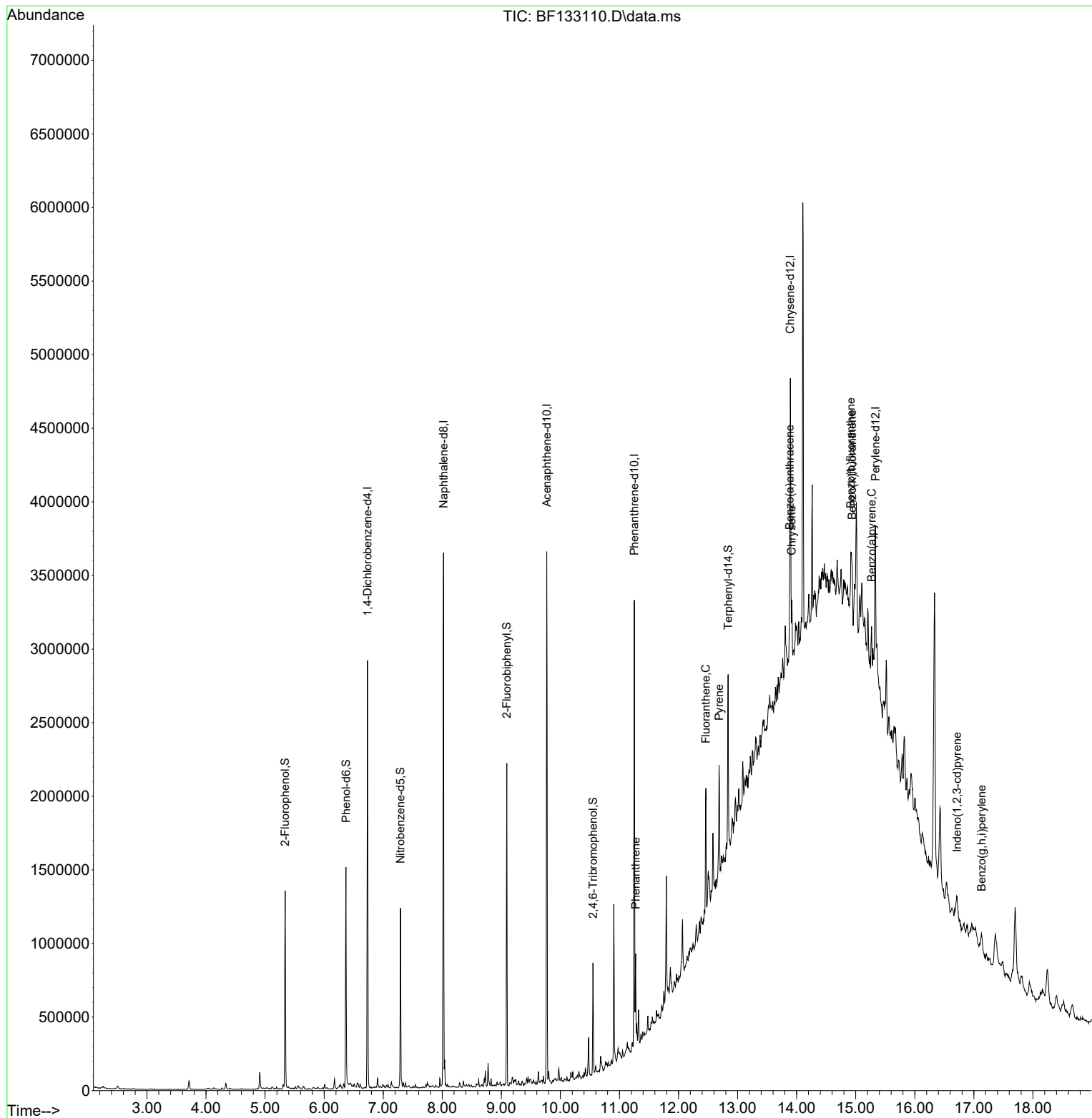
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042723\
Data File : BF133110.D
Acq On : 27 Apr 2023 20:27
Operator : CG\JU
Sample : 02423-11 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

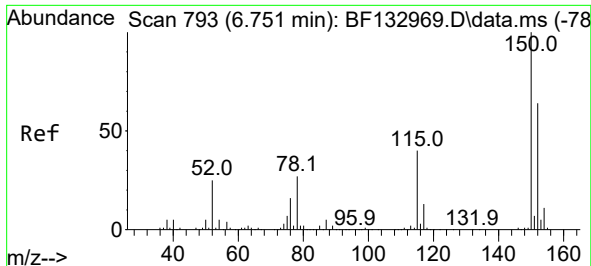
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18

Quant Time: Apr 28 02:12:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 28 02:00:53 2023
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APPROVED

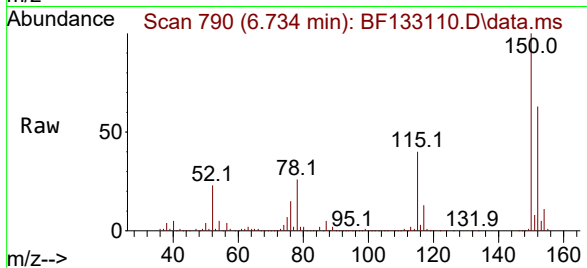
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

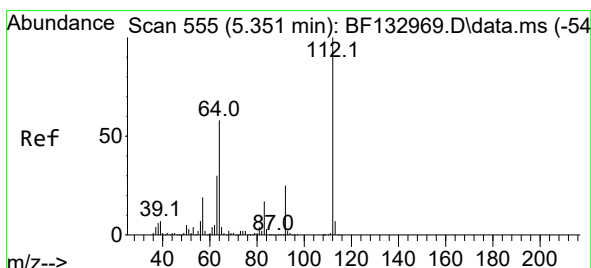
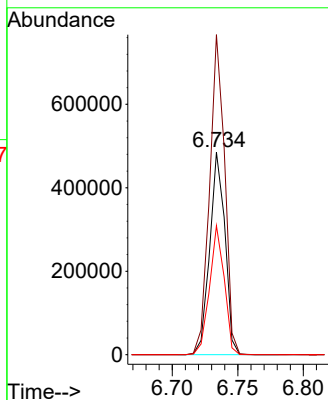
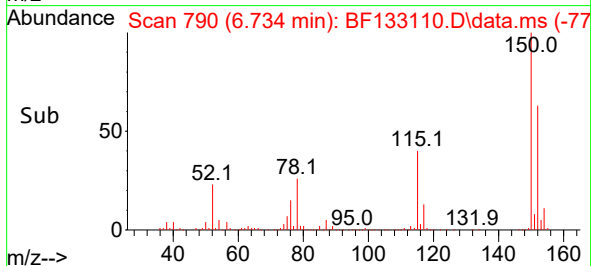
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18



Tgt Ion:152 Resp: 391992
Ion Ratio Lower Upper
152 100
150 158.1 124.8 187.2
115 63.7 49.9 74.9

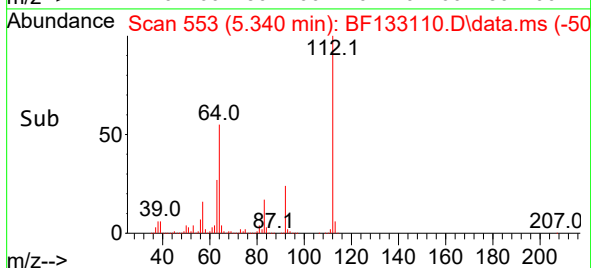
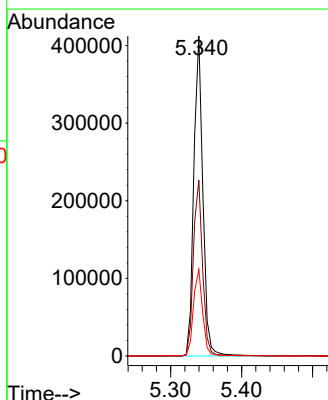
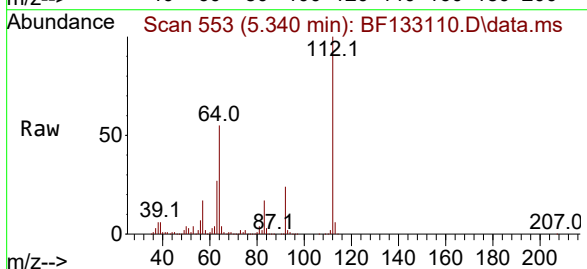
Manual Integrations
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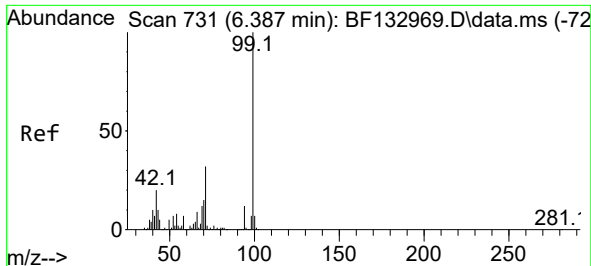
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#5
2-Fluorophenol
Concen: 14.124 ng
RT: 5.340 min Scan# 553
Delta R.T. -0.006 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

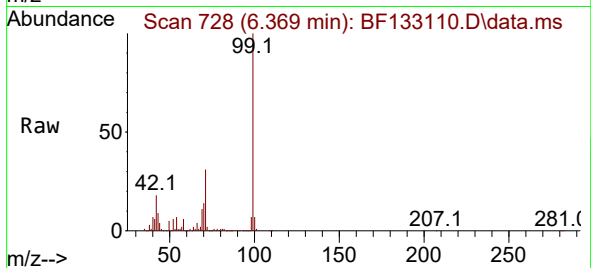
Tgt Ion:112 Resp: 366513
Ion Ratio Lower Upper
112 100
64 54.9 46.8 70.2
63 27.0 23.8 35.8





#7
Phenol-d6
Concen: 14.033 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

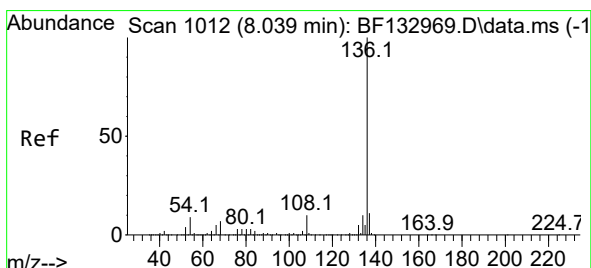
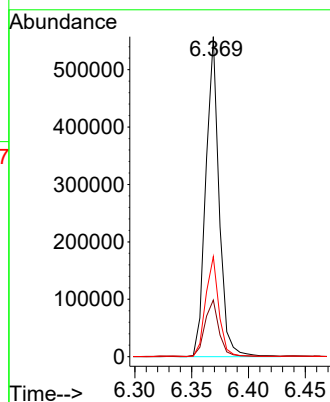
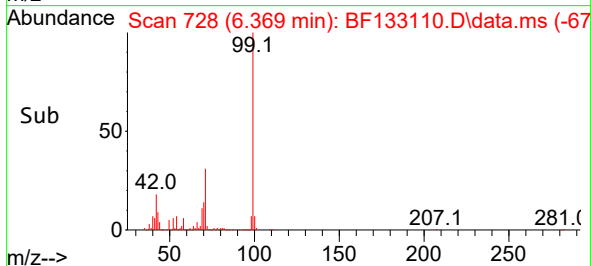
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18



Tgt Ion: 99 Resp: 451974
Ion Ratio Lower Upper
99 100
42 17.7 16.3 24.5
71 31.3 25.6 38.4

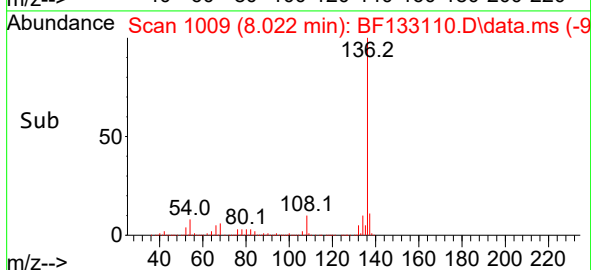
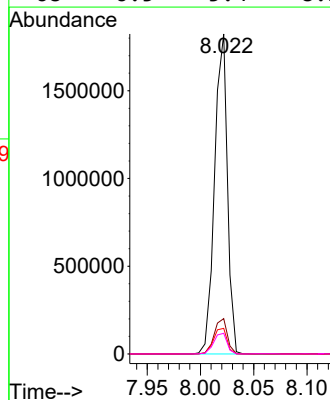
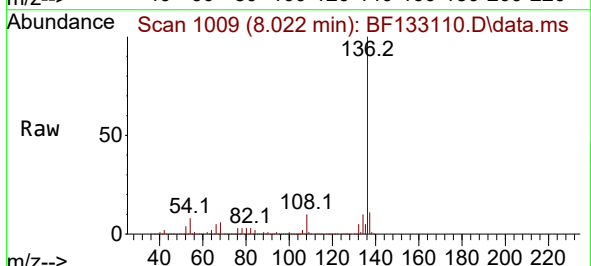
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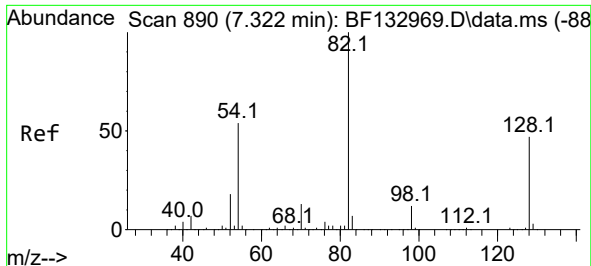
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

Tgt Ion:136 Resp: 1530357
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.0 7.0 10.4
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 10.633 ng

RT: 7.292 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF133110.D

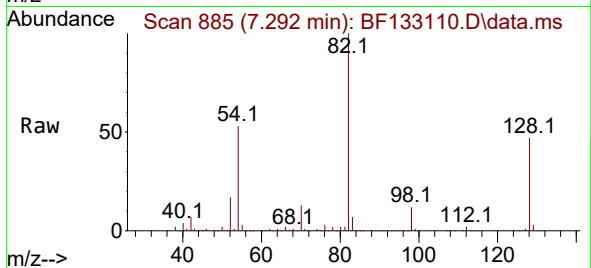
Acq: 27 Apr 2023 20:27

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18



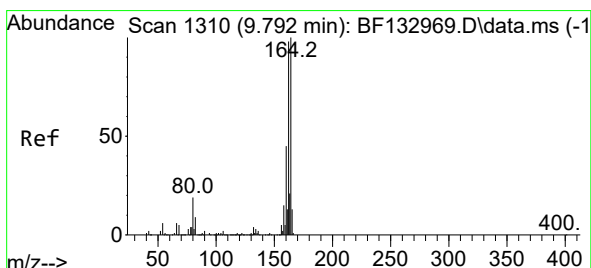
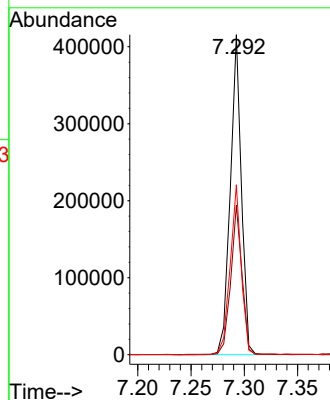
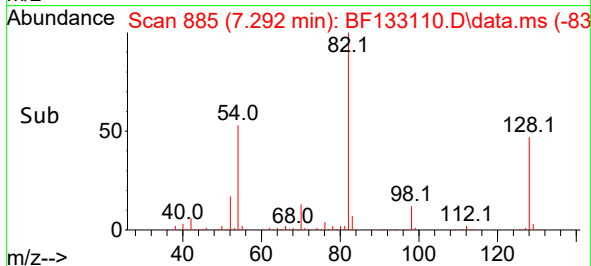
Tgt Ion: 82 Resp: 301475

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.7	56.5
54	53.1	43.0	64.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/28/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

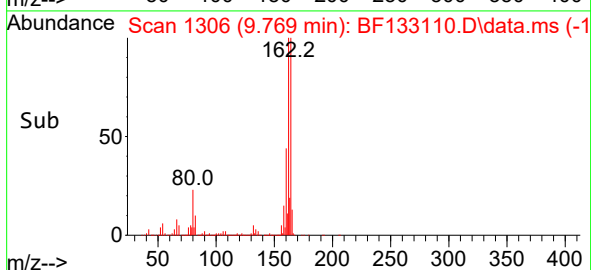
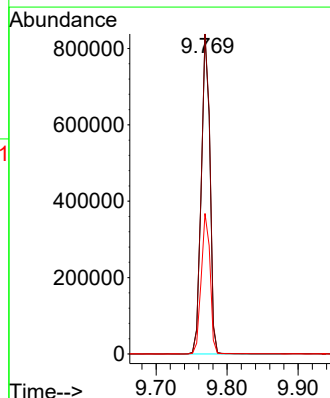
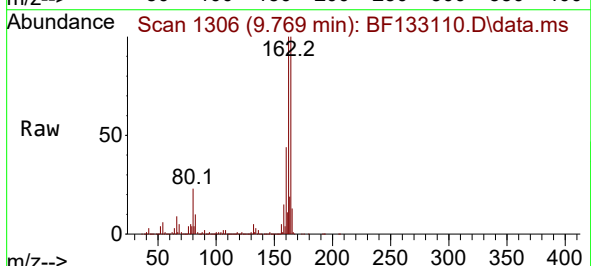
Delta R.T. -0.006 min

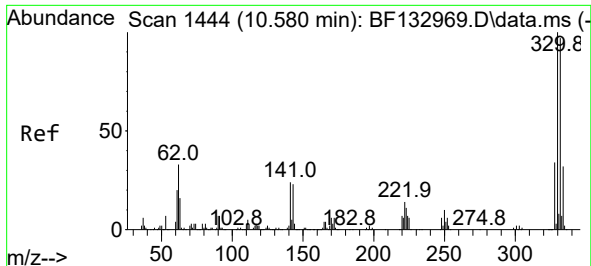
Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

Tgt Ion:164 Resp: 710701

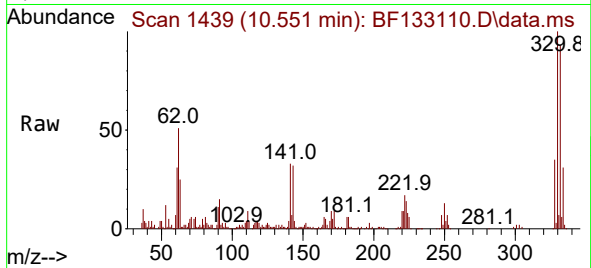
Ion	Ratio	Lower	Upper
164	100		
162	100.3	78.7	118.1
160	44.0	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 10.625 ng
RT: 10.551 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

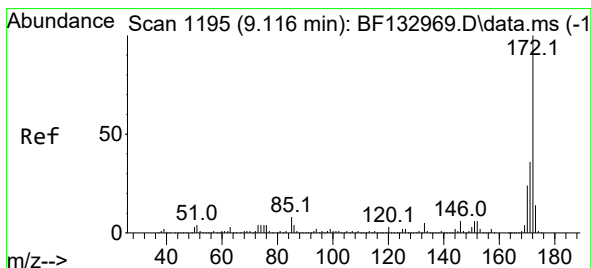
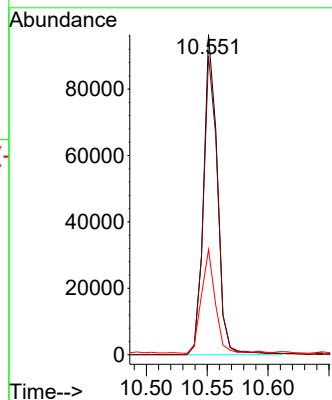
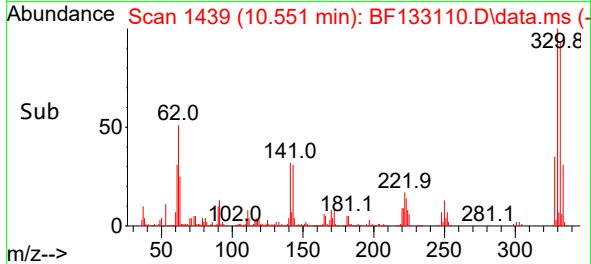
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18



Tgt Ion: 330 Resp: 75945
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 32.2 25.8 38.8

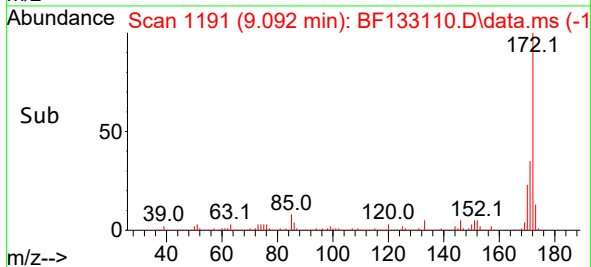
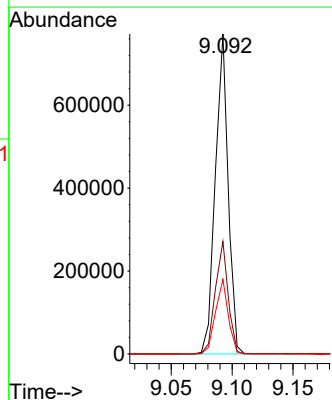
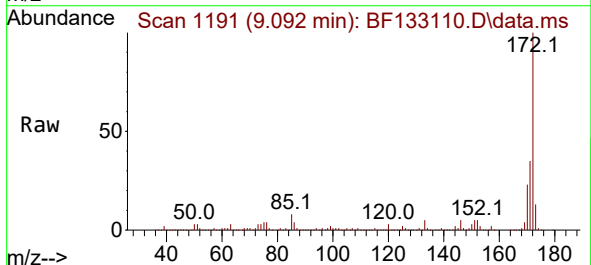
Manual Integrations
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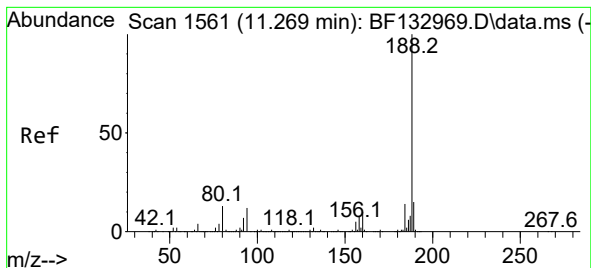
Reviewed By : Christian Giraldo 04/28/2023
Supervised By : Jagrut Upadhyay 04/28/2023



#45
2-Fluorobiphenyl
Concen: 13.378 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

Tgt Ion: 172 Resp: 568297
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.3 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1558

Delta R.T. -0.006 min

Lab File: BF133110.D

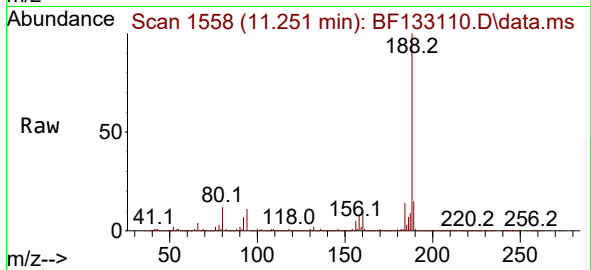
Acq: 27 Apr 2023 20:27

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18



Tgt Ion:188 Resp: 1054159

Ion Ratio Lower Upper

188 100

94 11.5 9.7 14.5

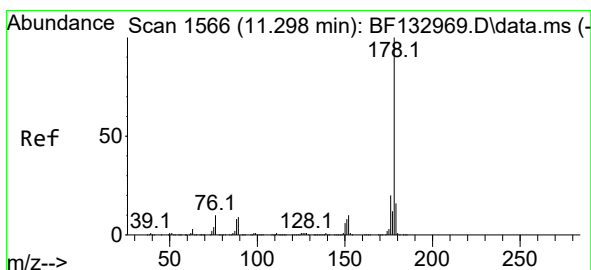
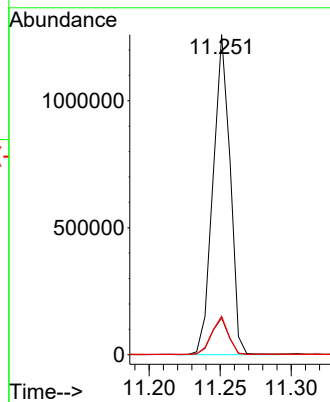
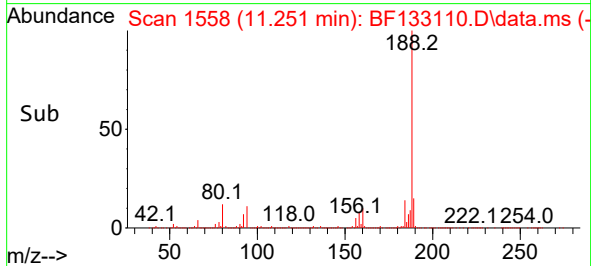
80 12.0 10.4 15.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#71

Phenanthrene

Concen: 3.774 ng

RT: 11.275 min Scan# 1562

Delta R.T. -0.006 min

Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

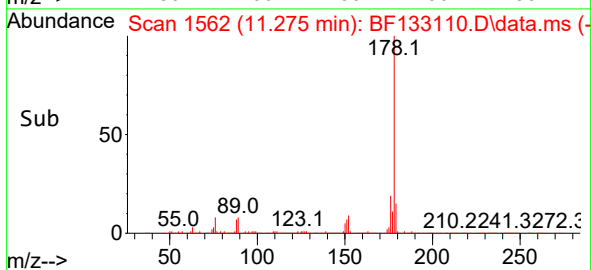
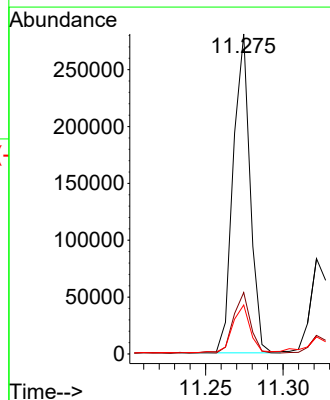
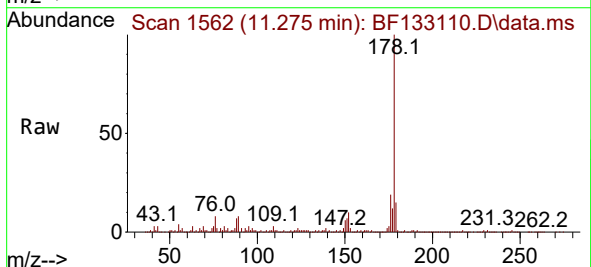
Tgt Ion:178 Resp: 213854

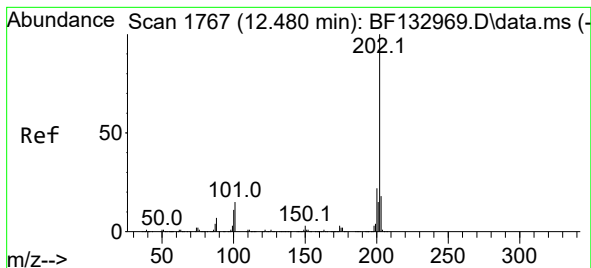
Ion Ratio Lower Upper

178 100

176 19.2 15.9 23.9

179 15.3 12.5 18.7





#75

Fluoranthene

Concen: 5.886 ng

RT: 12.463 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

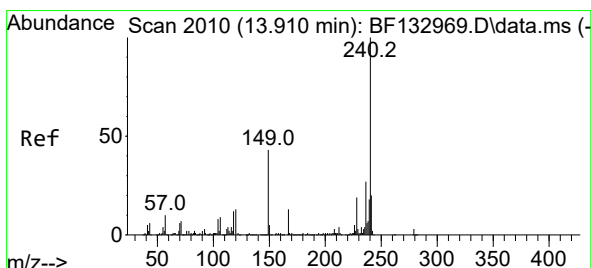
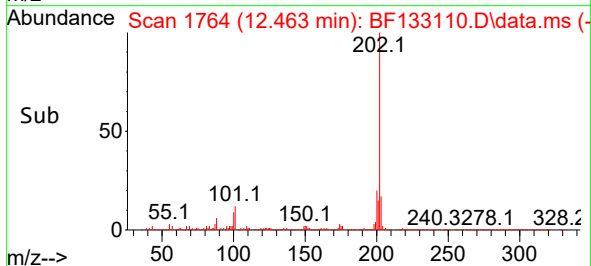
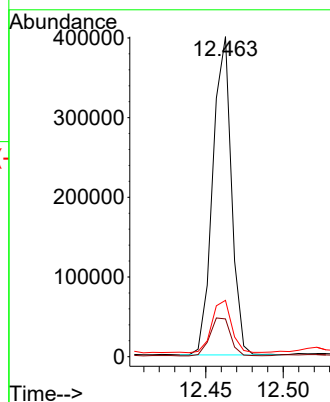
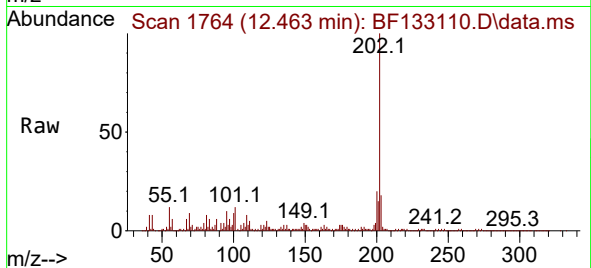
Tgt Ion:202 Resp: 334700
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 35.3
 203 17.6 0.0 38.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/28/2023



#76

Chrysene-d12

Concen: 20.000 ng

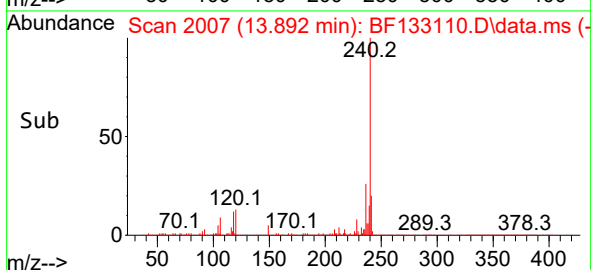
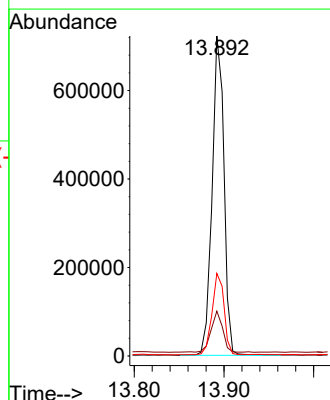
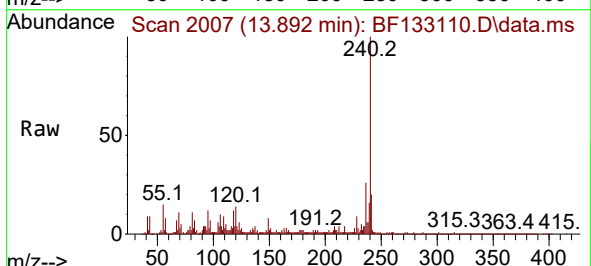
RT: 13.892 min Scan# 2007

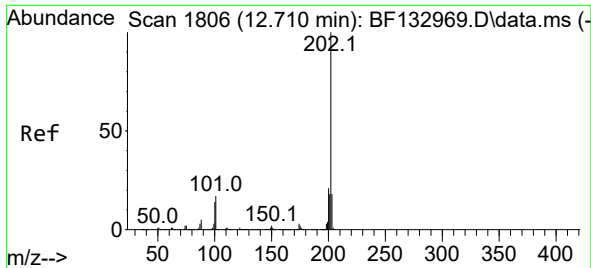
Delta R.T. -0.006 min

Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

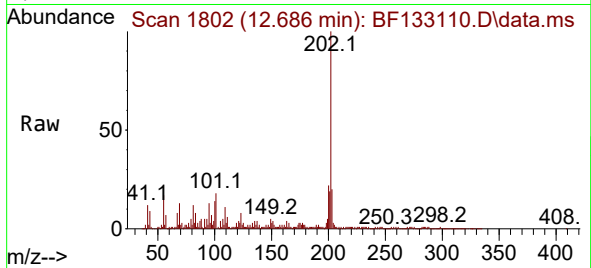
Tgt Ion:240 Resp: 664374
 Ion Ratio Lower Upper
 240 100
 120 14.0 10.5 15.7
 236 25.8 21.5 32.3





#78
 Pyrene
 Concen: 5.714 ng
 RT: 12.686 min Scan# 1802
 Delta R.T. -0.012 min
 Lab File: BF133110.D
 Acq: 27 Apr 2023 20:27

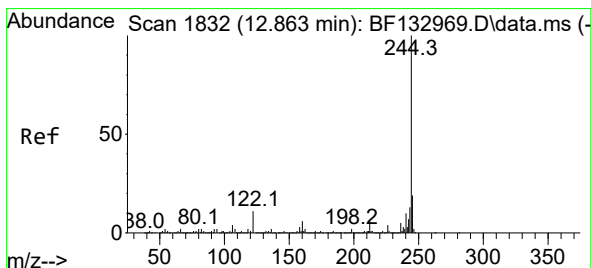
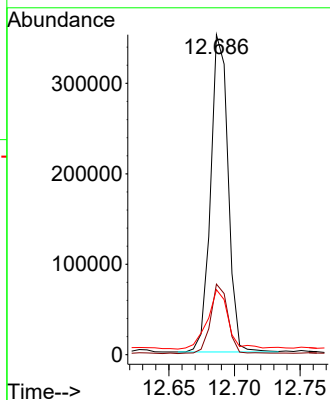
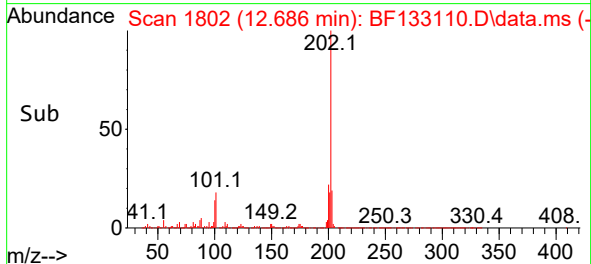
Instrument :
 BNA_F
 ClientSampleId :
 SPE-1WC-23-04-18



Tgt Ion:202 Resp: 325419
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.1 25.7
 203 20.3 14.1 21.1

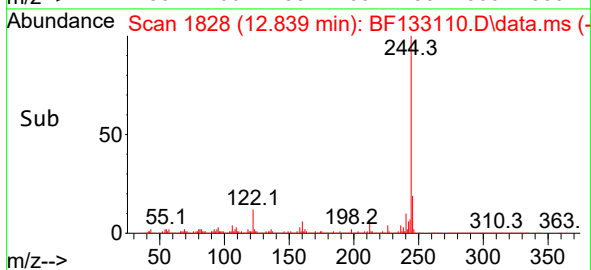
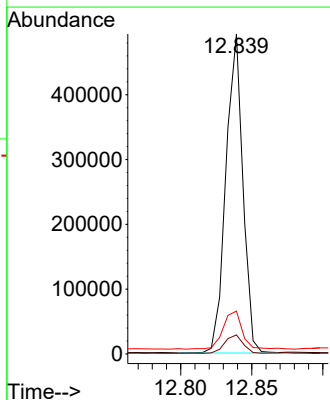
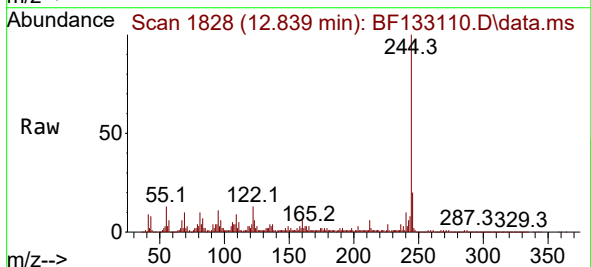
Manual Integrations
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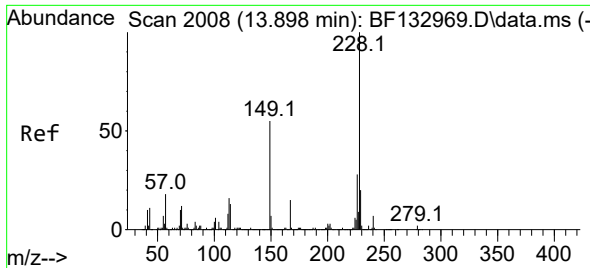
Reviewed By :Christian Giraldo 04/28/2023
 Supervised By :Jagrut Upadhyay 04/28/2023



#79
 Terphenyl-d14
 Concen: 10.597 ng
 RT: 12.839 min Scan# 1828
 Delta R.T. -0.006 min
 Lab File: BF133110.D
 Acq: 27 Apr 2023 20:27

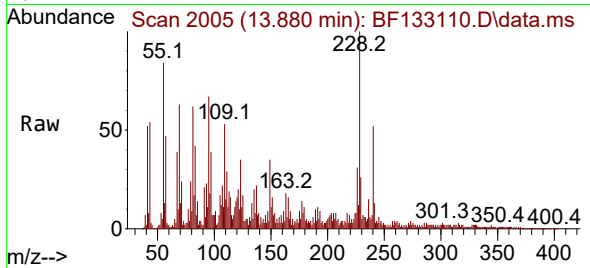
Tgt Ion:244 Resp: 408219
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.1 7.7
 122 13.4 8.6 13.0#





#81
Benzo(a)anthracene
Concen: 3.498 ng
RT: 13.880 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

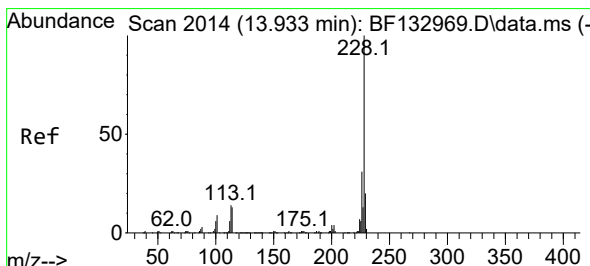
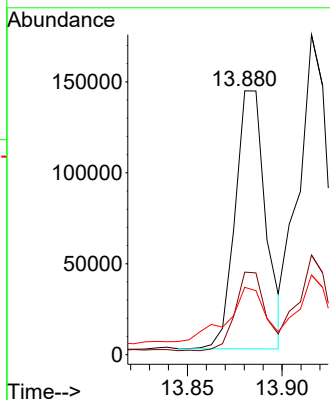
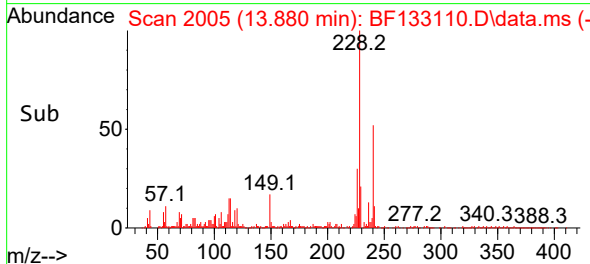
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18



Tgt Ion:228 Resp: 159802
Ion Ratio Lower Upper
228 100
226 31.3 22.2 33.4
229 25.5 16.0 24.0

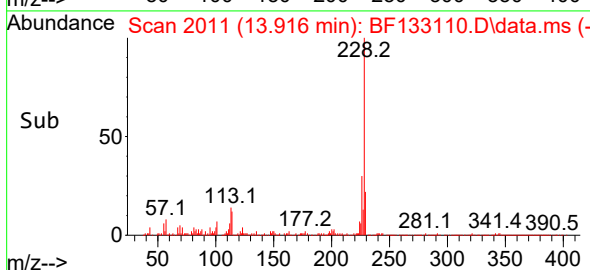
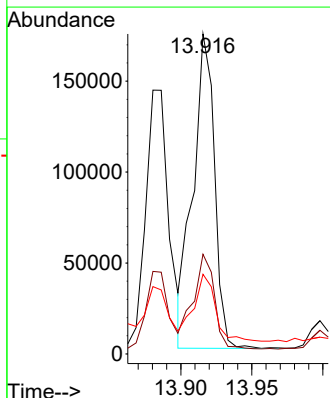
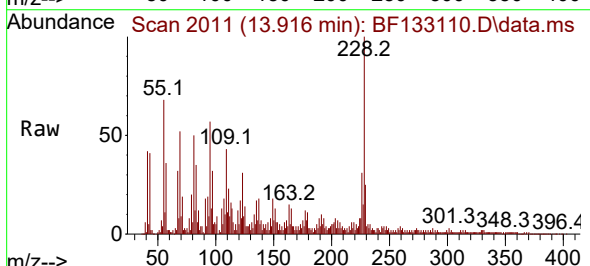
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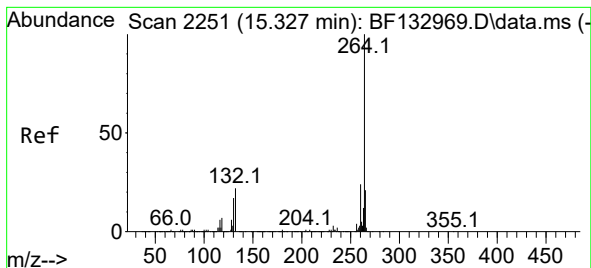
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#83
Chrysene
Concen: 3.984 ng
RT: 13.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

Tgt Ion:228 Resp: 181953
Ion Ratio Lower Upper
228 100
226 31.2 24.7 37.1
229 24.9 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

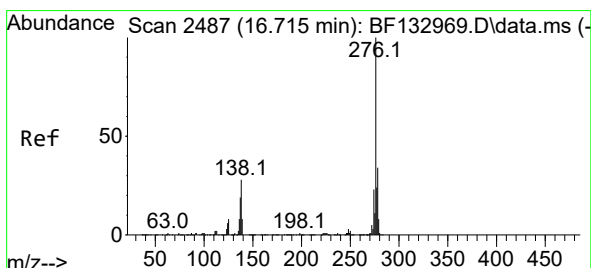
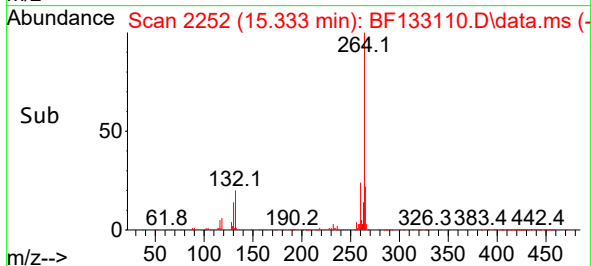
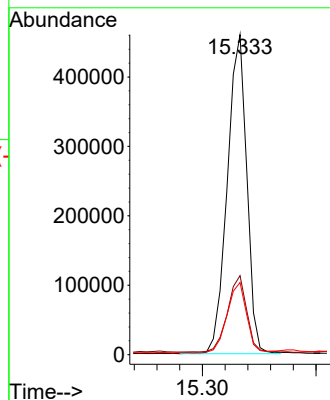
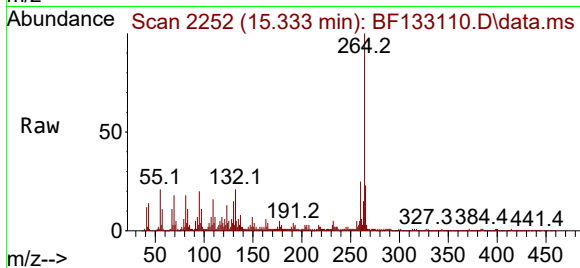
Tgt Ion:264 Resp: 54617
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.8 28.2
 265 22.5 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.097 ng

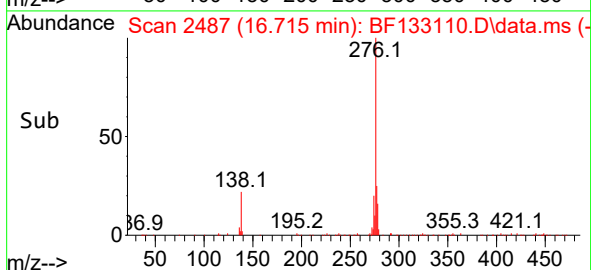
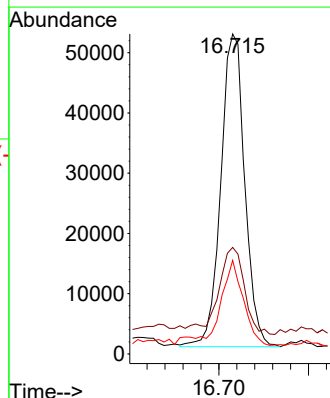
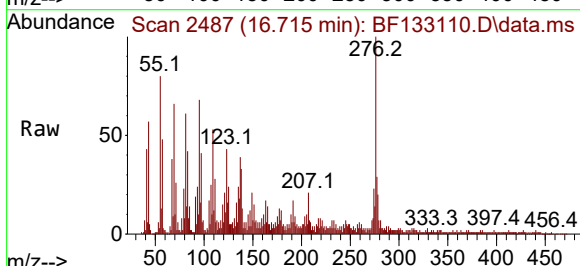
RT: 16.715 min Scan# 2487

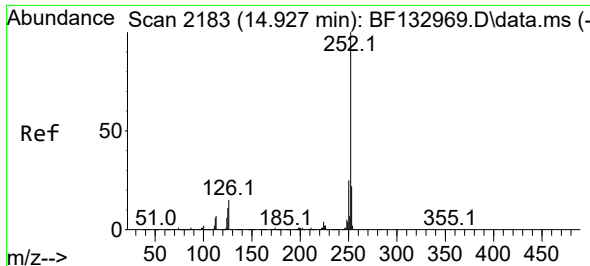
Delta R.T. 0.018 min

Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

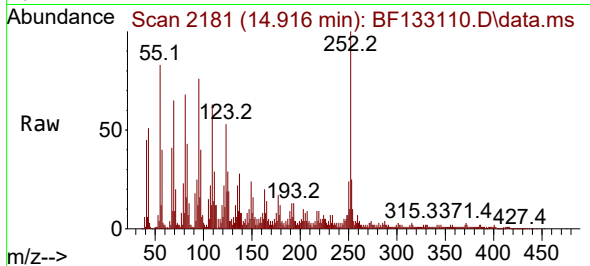
Tgt Ion:276 Resp: 96229
 Ion Ratio Lower Upper
 276 100
 138 30.4 25.5 38.3
 277 24.9 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 6.362 ng m
RT: 14.916 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

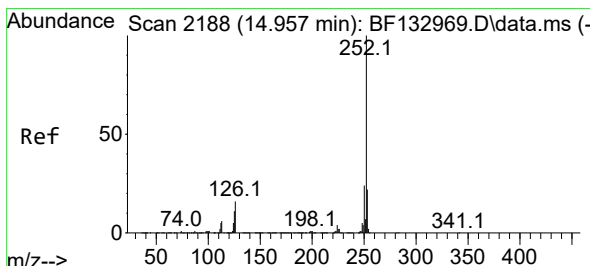
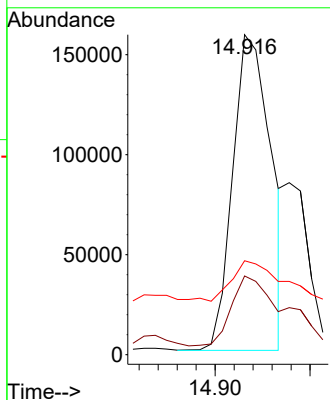
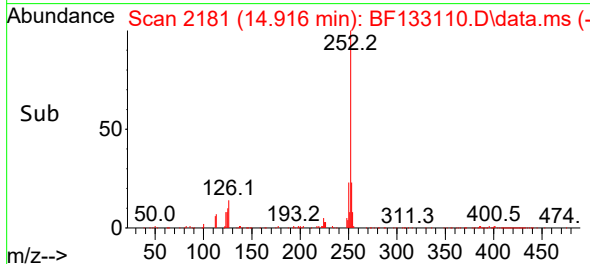
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18



Tgt Ion:252 Resp: 22104
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 29.3 8.9 13.3

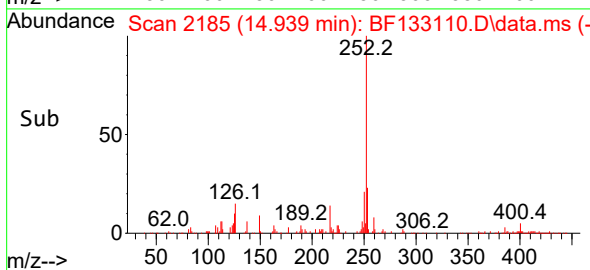
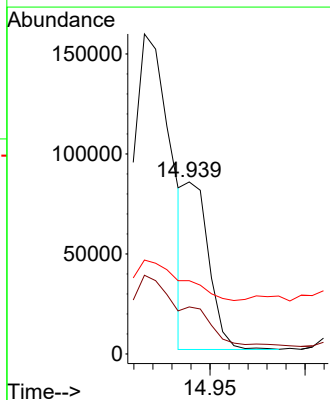
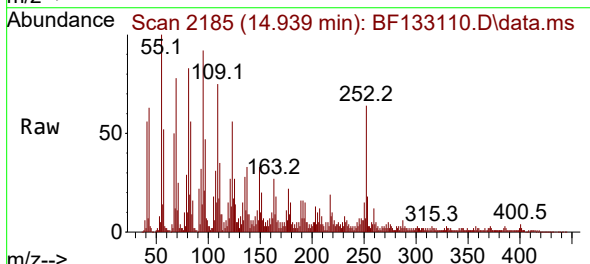
Manual Integrations
APPROVED

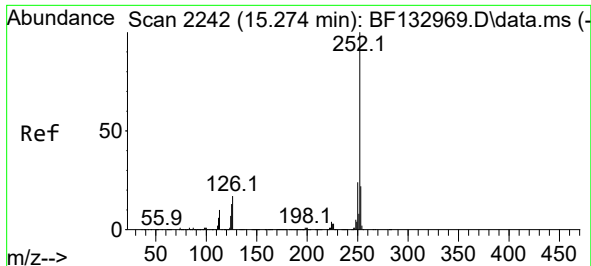
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#89
Benzo(k)fluoranthene
Concen: 2.169 ng m
RT: 14.939 min Scan# 2185
Delta R.T. -0.000 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

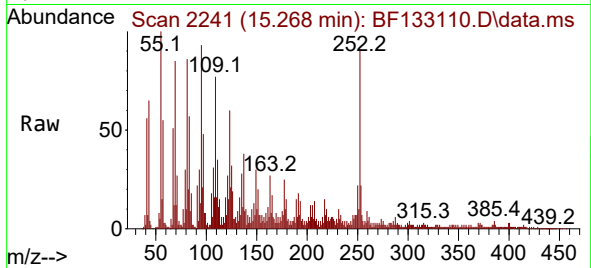
Tgt Ion:252 Resp: 74696
Ion Ratio Lower Upper
252 100
253 27.4 17.7 26.5#
125 42.6 9.0 13.4#





#90
Benzo(a)pyrene
Concen: 3.942 ng
RT: 15.268 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

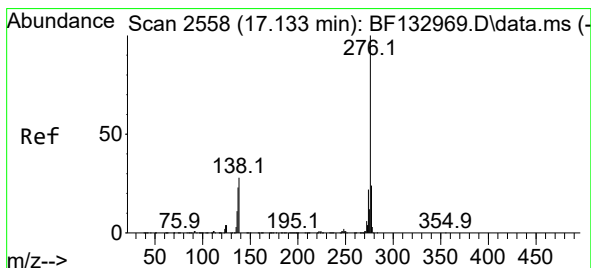
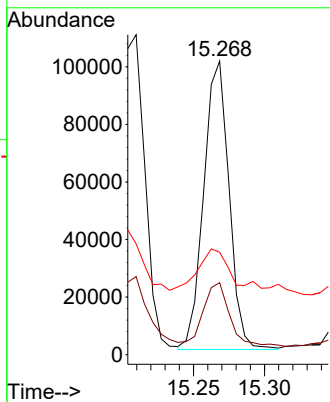
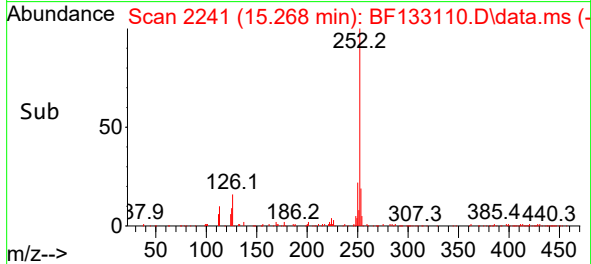
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18



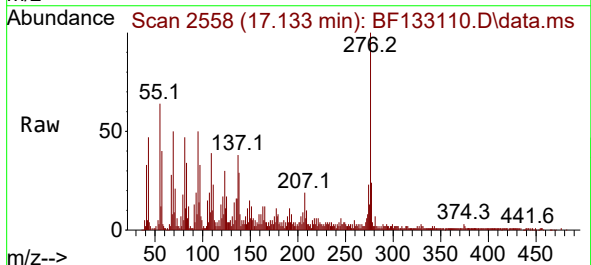
Tgt Ion:252 Resp: 124660
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 34.9 10.5 15.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#92
Benzo(g,h,i)perylene
Concen: 4.002 ng
RT: 17.133 min Scan# 2558
Delta R.T. 0.018 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27



Tgt Ion:276 Resp: 102378
Ion Ratio Lower Upper
276 100
277 24.4 19.4 29.0
138 28.8 22.7 34.1

