

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042723\
 Data File : BF133111.D
 Acq On : 27 Apr 2023 20:57
 Operator : CG\JU
 Sample : 02423-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Apr 28 02:13:07 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	184824	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	708744	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	318936	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	465529	20.000	ng	0.00
76) Chrysene-d12	13.886	240	315880	20.000	ng	-0.01
86) Perylene-d12	15.310	264	246781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	930801	76.077	ng	0.00
7) Phenol-d6	6.375	99	1125980	74.145	ng	0.00
23) Nitrobenzene-d5	7.298	82	634617	48.331	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	162810	50.759	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1173573	61.561	ng	0.00
79) Terphenyl-d14	12.839	244	993222	54.229	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.275	178	178638	7.140	ng	98
75) Fluoranthene	12.463	202	425713	16.953	ng	96
78) Pyrene	12.686	202	402506	14.865	ng	100
81) Benzo(a)anthracene	13.874	228	194918	8.973	ng	97
83) Chrysene	13.910	228	189976	8.748	ng	97
87) Indeno(1,2,3-cd)pyrene	16.686	276	72964	5.198	ng	# 92
88) Benzo(b)fluoranthene	14.904	252	198497m	12.643	ng	
89) Benzo(k)fluoranthene	14.927	252	55301m	3.553	ng	
90) Benzo(a)pyrene	15.251	252	116170	8.129	ng	# 90
92) Benzo(g,h,i)perylene	17.104	276	70903	6.134	ng	99

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

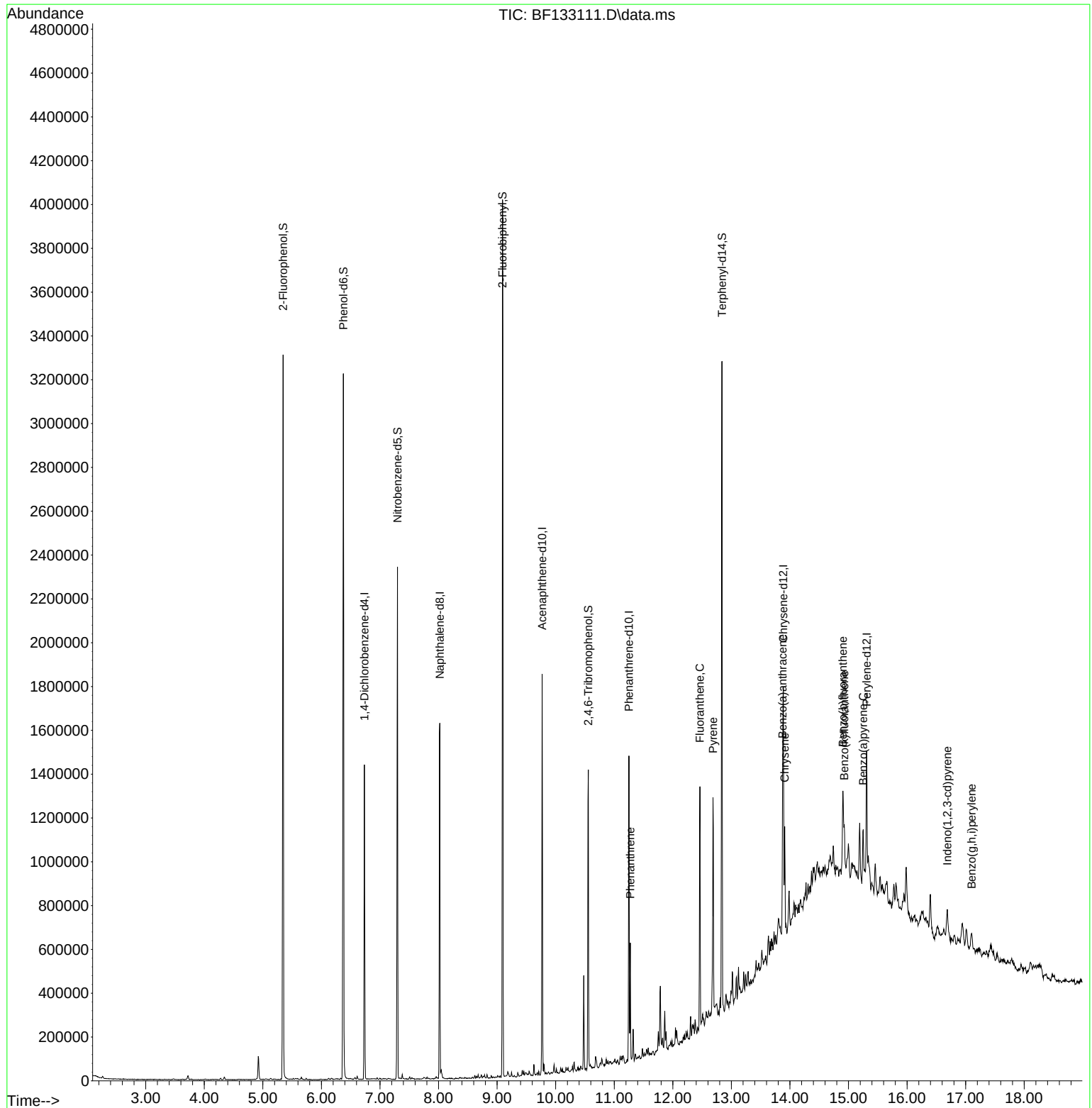
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042723\
Data File : BF133111.D
Acq On : 27 Apr 2023 20:57
Operator : CG\JU
Sample : 02423-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

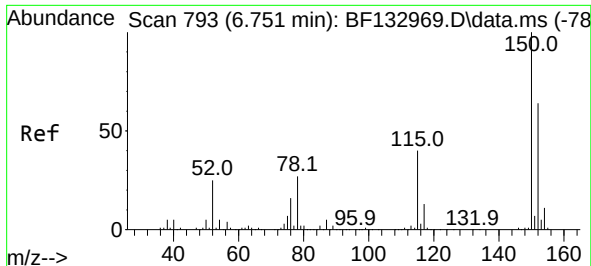
Instrument :
BNA_F
ClientSampleId :
SPD-1WC-23-04-18

Quant Time: Apr 28 02:13:07 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

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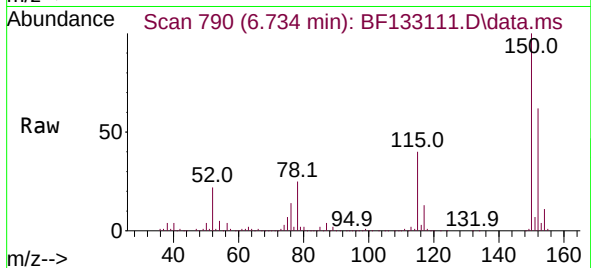
Reviewed By : Christian Giraldo 04/28/2023
Supervised By : Jagrut Upadhyay 04/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

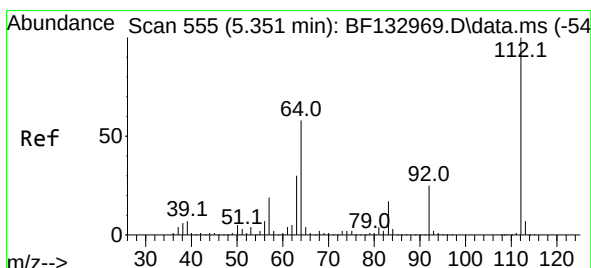
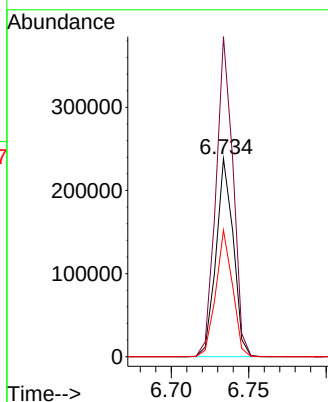
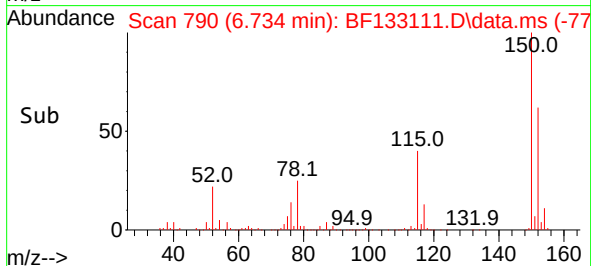
Instrument :
BNA_F
ClientSampleId :
SPD-1WC-23-04-18



Tgt Ion:152 Resp: 184824
Ion Ratio Lower Upper
152 100
150 161.6 124.8 187.2
115 63.9 49.9 74.9

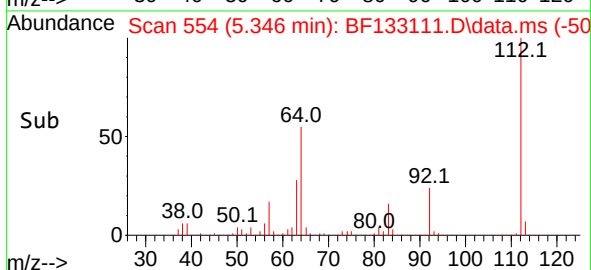
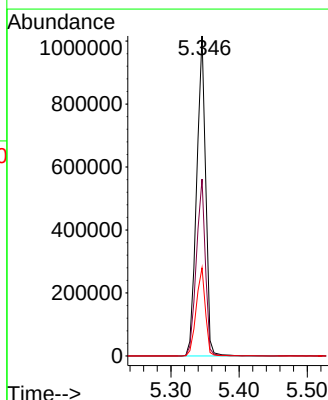
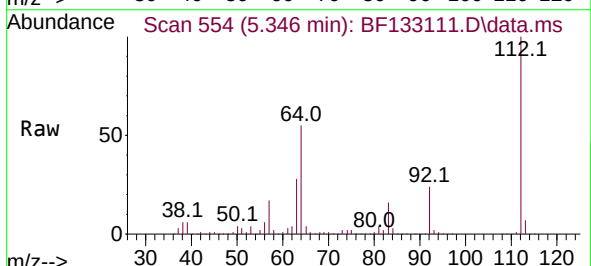
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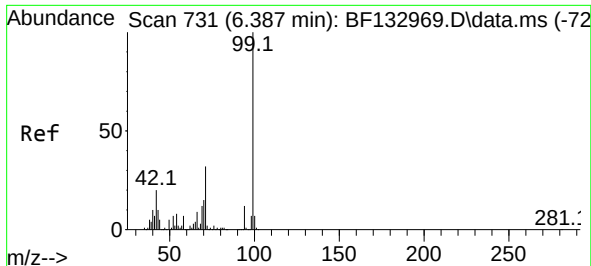
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#5
2-Fluorophenol
Concen: 76.077 ng
RT: 5.346 min Scan# 554
Delta R.T. -0.000 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

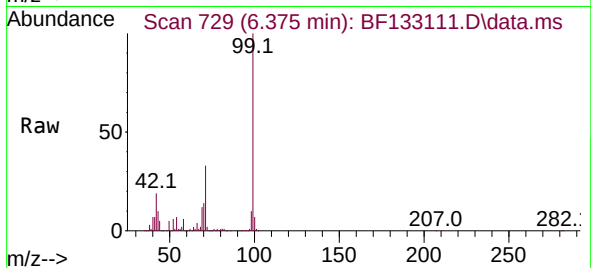
Tgt Ion:112 Resp: 930801
Ion Ratio Lower Upper
112 100
64 55.3 46.8 70.2
63 27.5 23.8 35.8





#7
Phenol-d6
Concen: 74.145 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

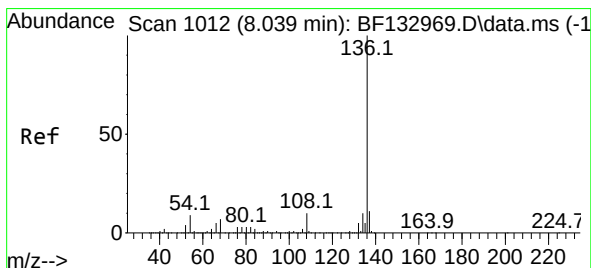
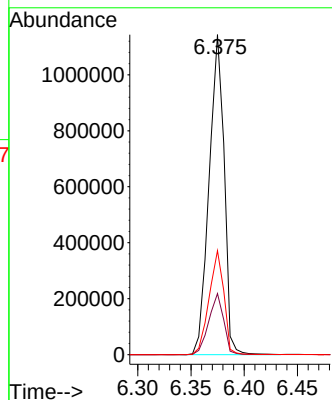
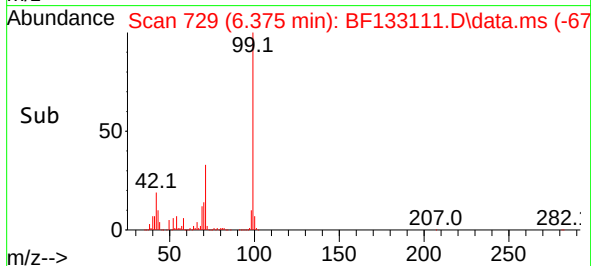
Instrument :
BNA_F
ClientSampleId :
SPD-1WC-23-04-18



Tgt Ion: 99 Resp: 1125980
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 32.5 25.6 38.4

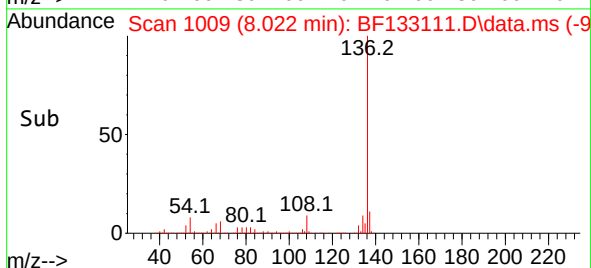
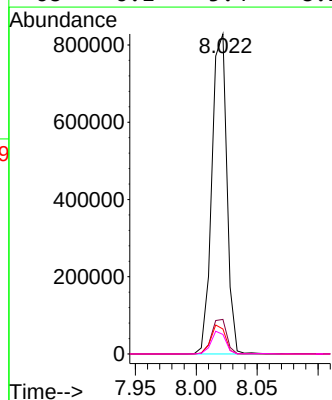
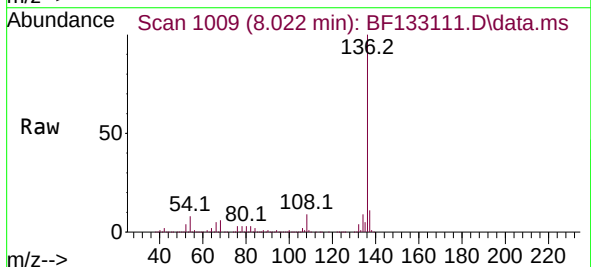
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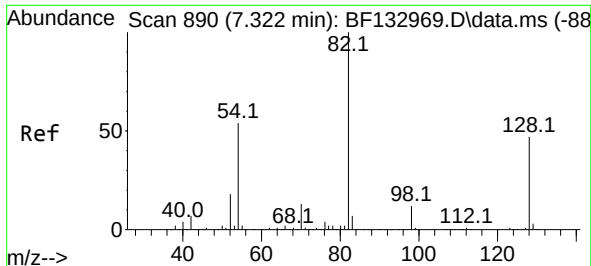
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

Tgt Ion:136 Resp: 708744
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.8 7.0 10.4
68 6.1 5.4 8.2





#23

Nitrobenzene-d5

Concen: 48.331 ng

RT: 7.298 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133111.D

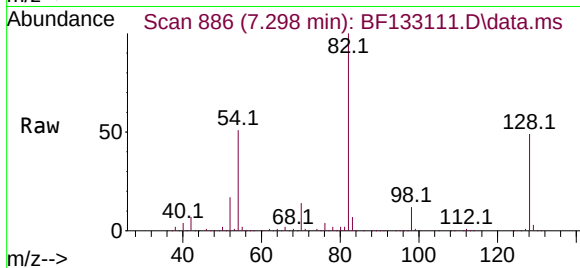
Acq: 27 Apr 2023 20:57

Instrument :

BNA_F

ClientSampleId :

SPD-1WC-23-04-18

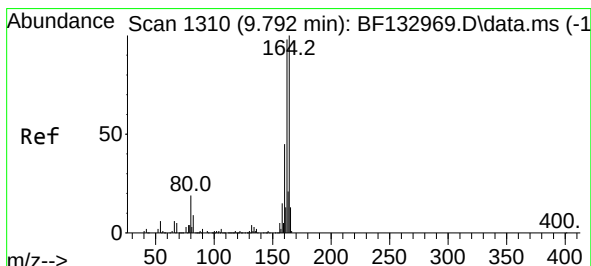
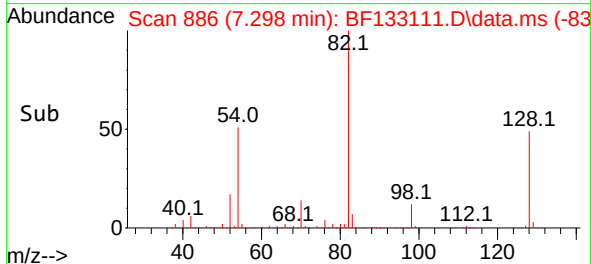
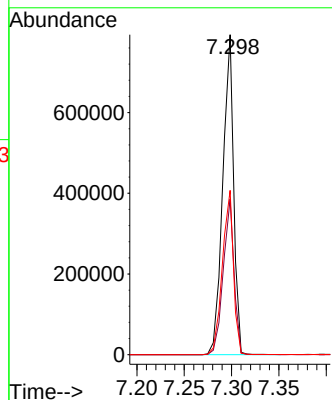


Tgt Ion: 82	Resp: 63461
Ion Ratio	Lower Upper
82	100
128	48.7 37.7 56.5
54	51.4 43.0 64.4

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Supervised By :Jagrut Upadhyay 04/28/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

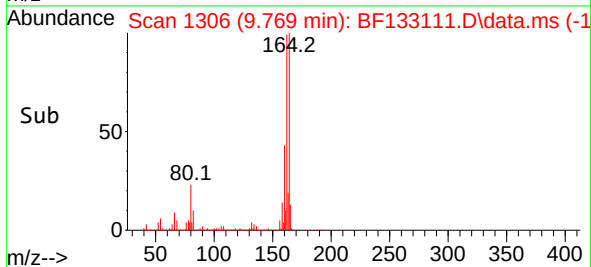
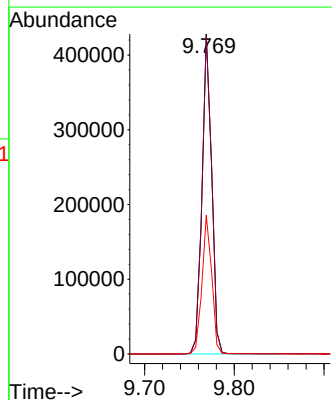
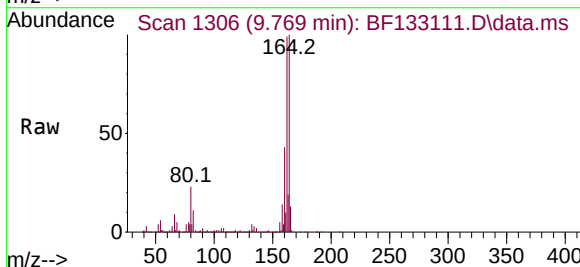
RT: 9.769 min Scan# 1306

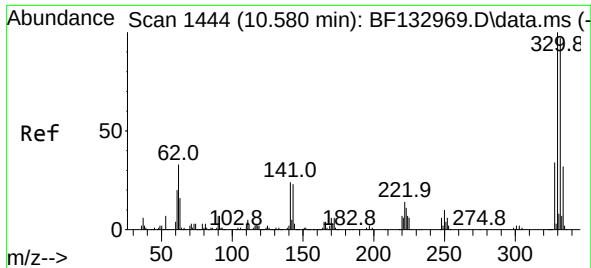
Delta R.T. -0.006 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

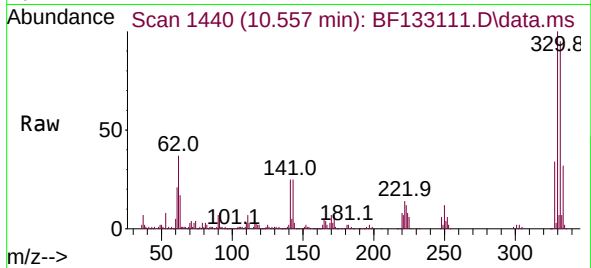
Tgt Ion:164	Resp: 318936
Ion Ratio	Lower Upper
164	100
162	99.3 78.7 118.1
160	43.3 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 50.759 ng
RT: 10.557 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

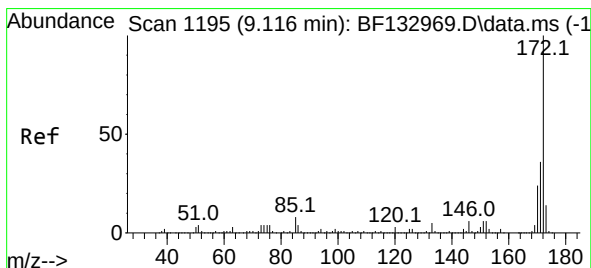
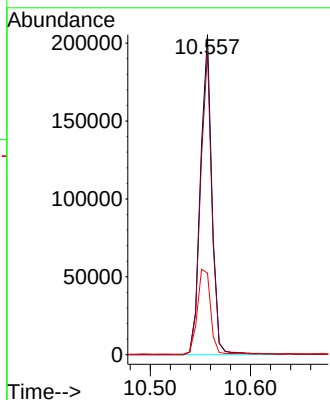
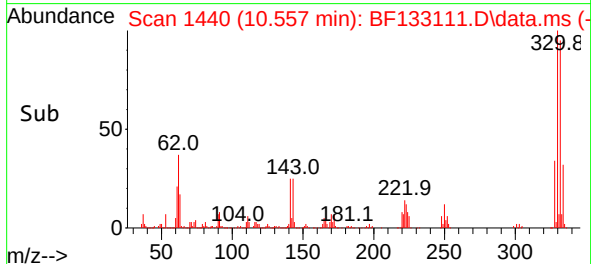
Instrument :
BNA_F
ClientSampleId :
SPD-1WC-23-04-18



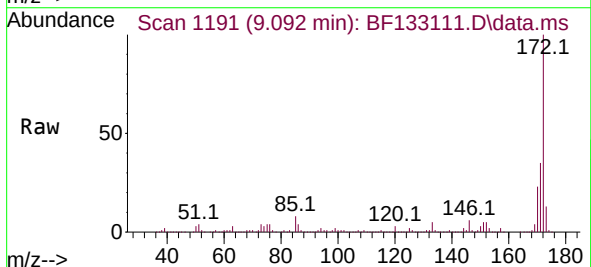
Tgt Ion: 330 Resp: 162810
Ion Ratio Lower Upper
330 100
332 95.0 77.1 115.7
141 30.3 25.8 38.8

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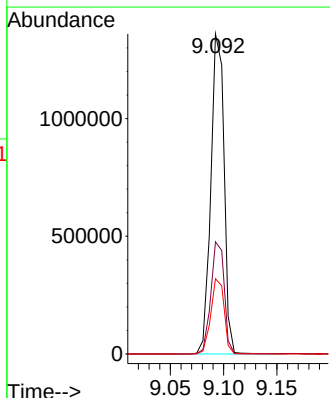
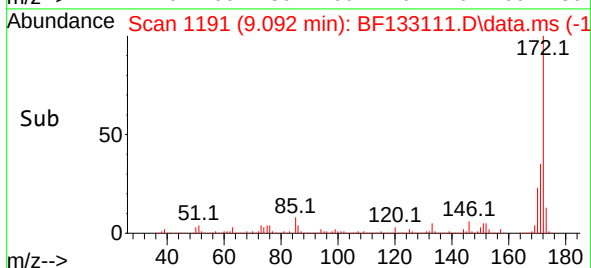
Reviewed By : Christian Giraldo 04/28/2023
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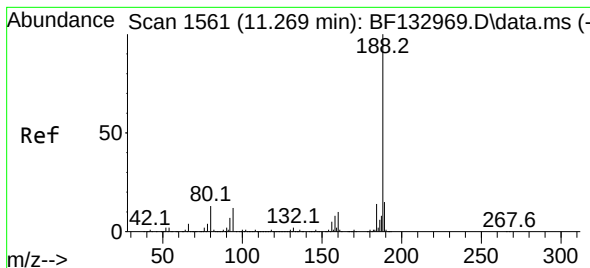


#45
2-Fluorobiphenyl
Concen: 61.561 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57



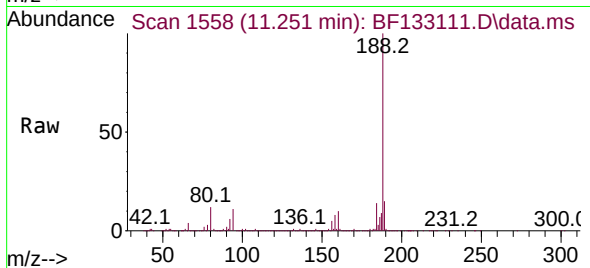
Tgt Ion: 172 Resp: 1173573
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.5 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

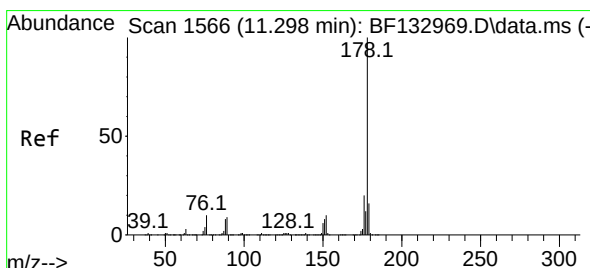
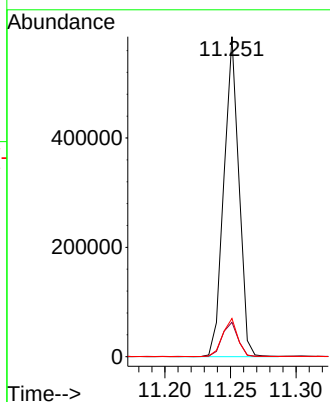
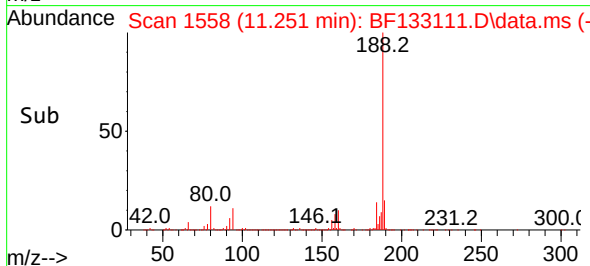
Instrument :
BNA_F
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SPD-1WC-23-04-18



Tgt Ion:188 Resp: 465529
Ion Ratio Lower Upper
188 100
94 10.8 9.7 14.5
80 12.0 10.4 15.6

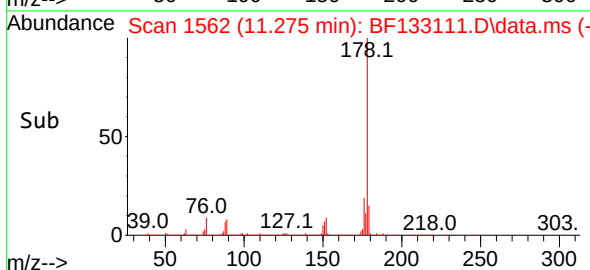
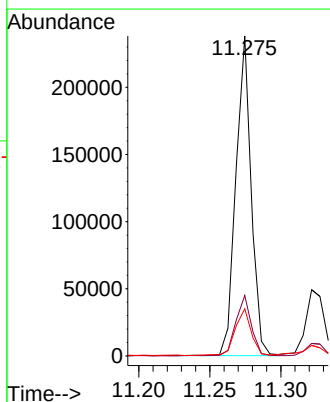
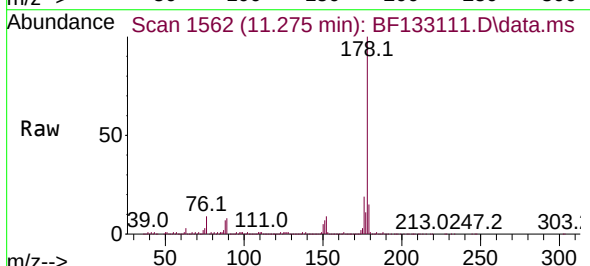
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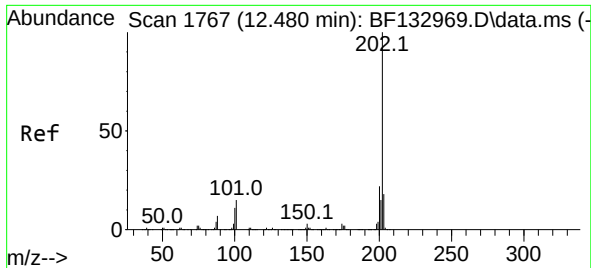
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#71
Phenanthrene
Concen: 7.140 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

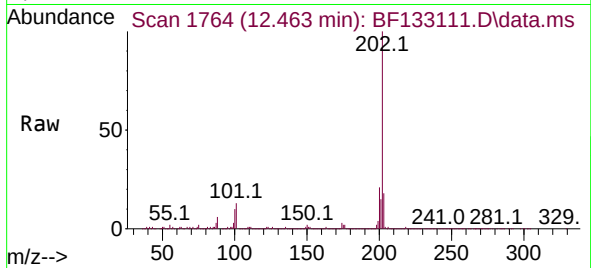
Tgt Ion:178 Resp: 178638
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 14.8 12.5 18.7





#75
Fluoranthene
Concen: 16.953 ng
RT: 12.463 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

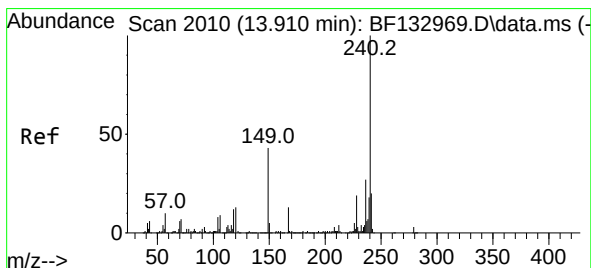
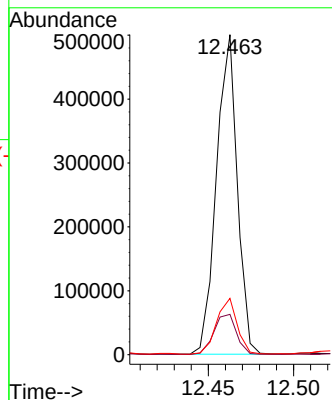
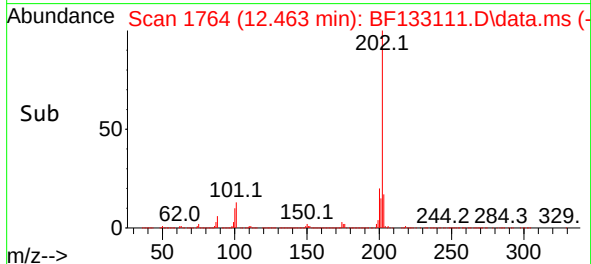
Instrument :
BNA_F
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SPD-1WC-23-04-18



Tgt Ion:202 Resp: 425711
Ion Ratio Lower Upper
202 100
101 12.6 0.0 35.3
203 17.6 0.0 38.1

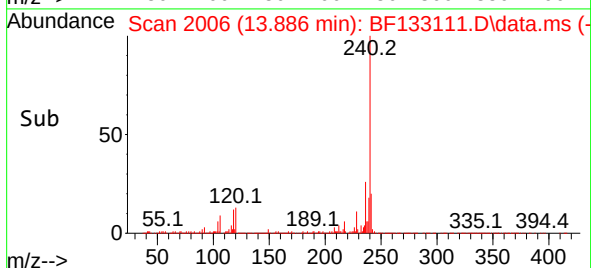
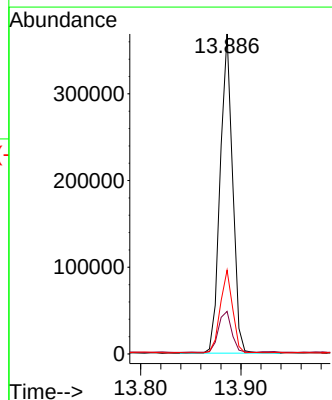
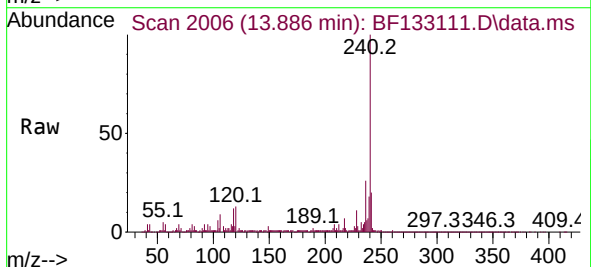
Manual Integrations
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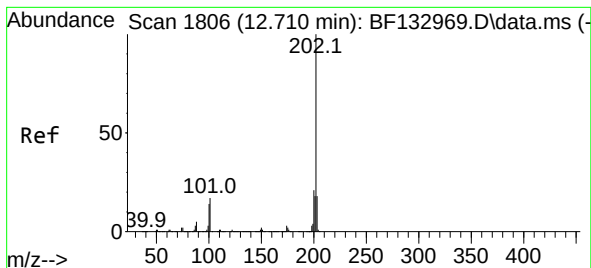
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.012 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

Tgt Ion:240 Resp: 315880
Ion Ratio Lower Upper
240 100
120 13.3 10.5 15.7
236 26.2 21.5 32.3





#78

Pyrene

Concen: 14.865 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.012 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

Instrument :

BNA_F

ClientSampleId :

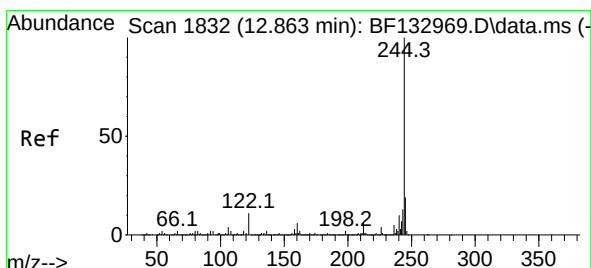
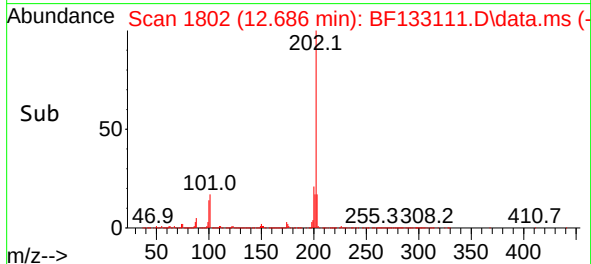
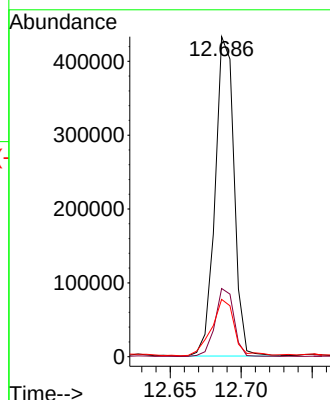
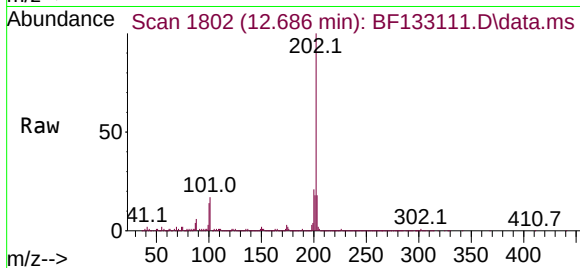
SPD-1WC-23-04-18

Tgt Ion:202 Resp: 402500
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.1 25.7
 203 17.9 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: 54.229 ng

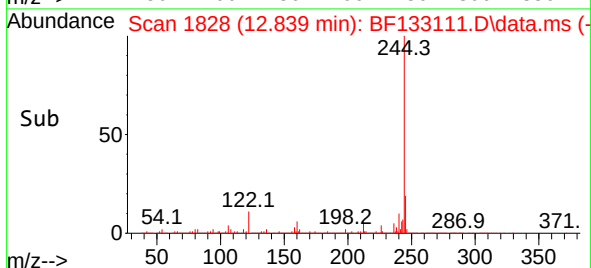
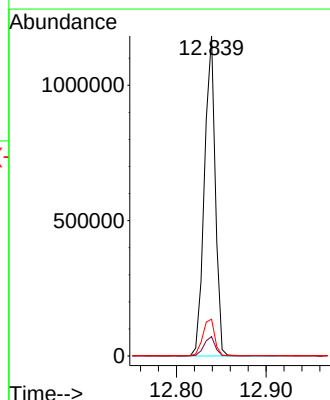
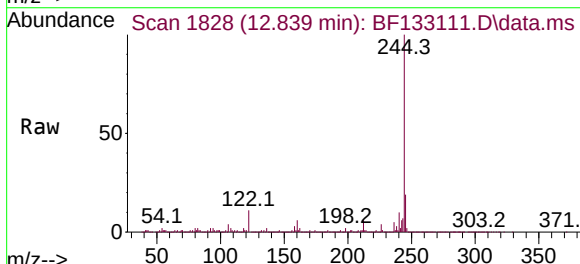
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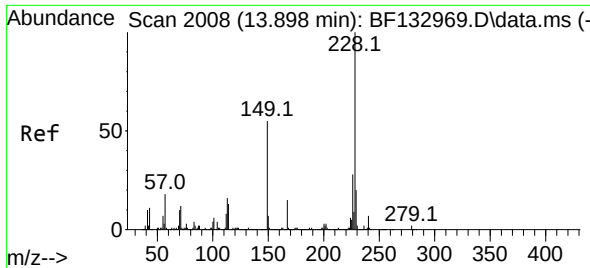
Delta R.T. -0.006 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

Tgt Ion:244 Resp: 993222
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.1 7.7
 122 11.5 8.6 13.0





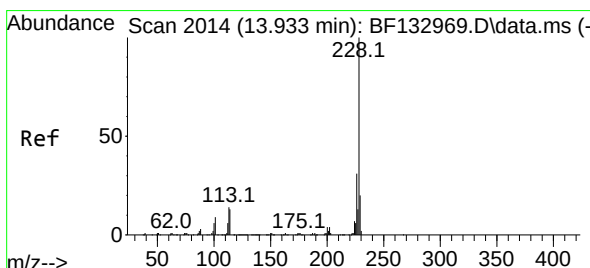
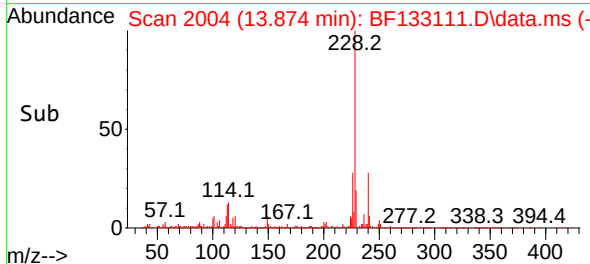
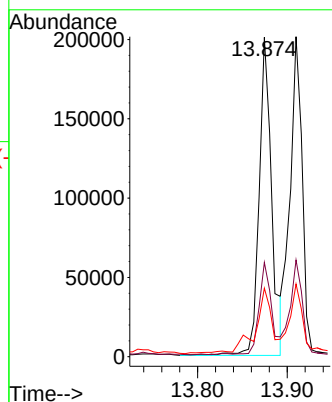
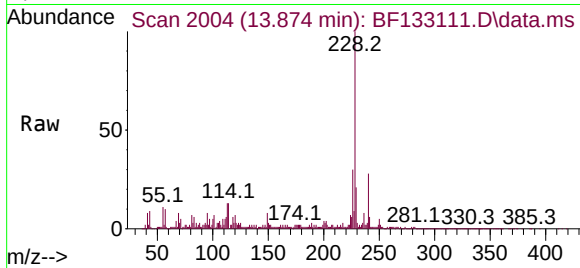
#81
Benzo(a)anthracene
Concen: 8.973 ng
RT: 13.874 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

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

Tgt Ion:228 Resp: 194918
Ion Ratio Lower Upper
228 100
226 29.5 22.2 33.4
229 21.4 16.0 24.0

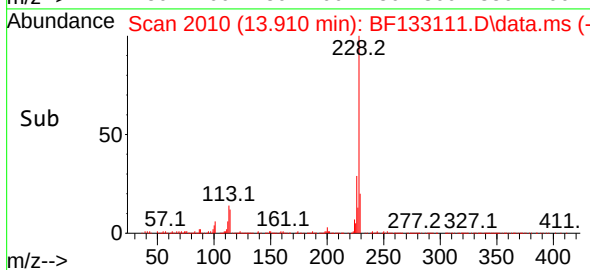
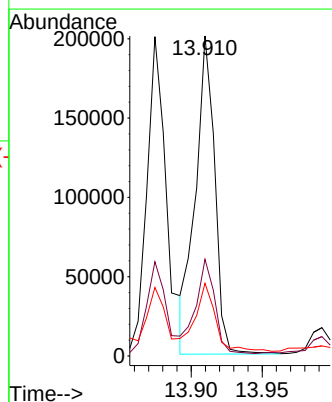
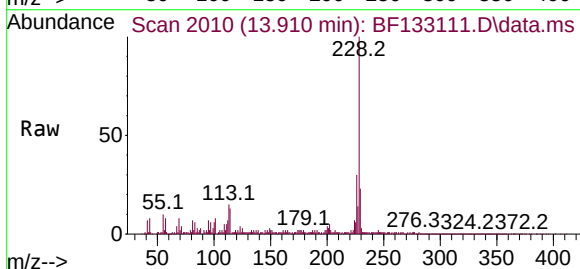
Manual Integrations
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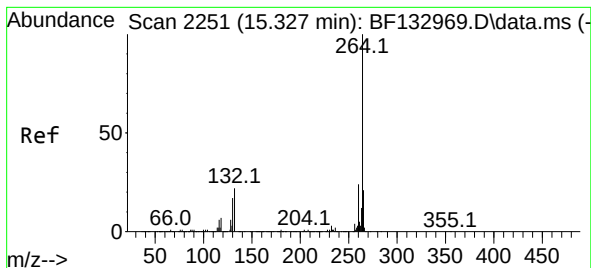
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#83
Chrysene
Concen: 8.748 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

Tgt Ion:228 Resp: 189976
Ion Ratio Lower Upper
228 100
226 30.2 24.7 37.1
229 22.7 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.310 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

Instrument :

BNA_F

ClientSampleId :

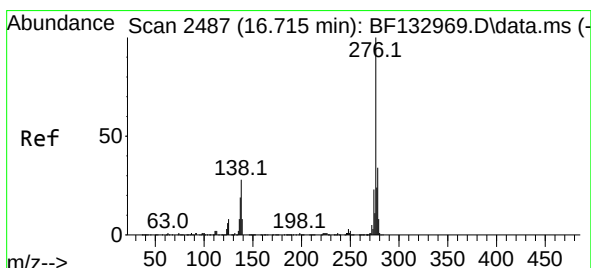
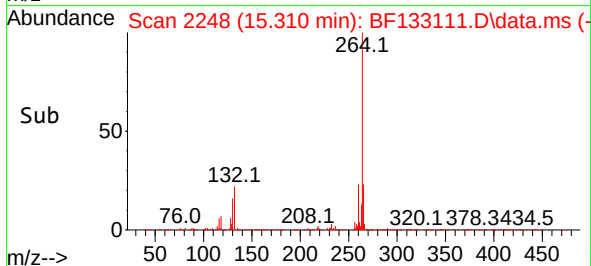
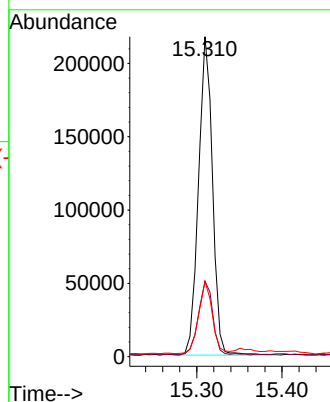
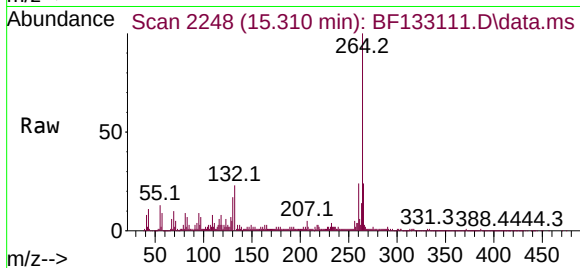
SPD-1WC-23-04-18

Tgt Ion:	264	Resp:	24678
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.8	28.2
265	23.5	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: 5.198 ng

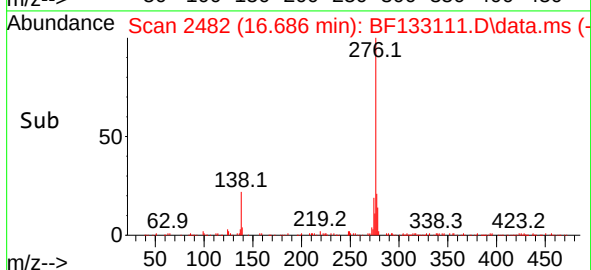
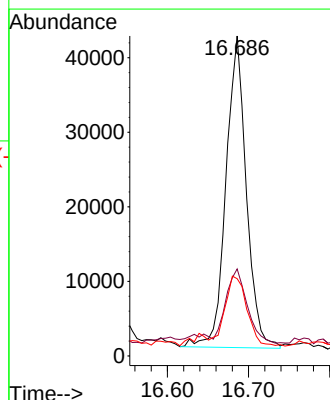
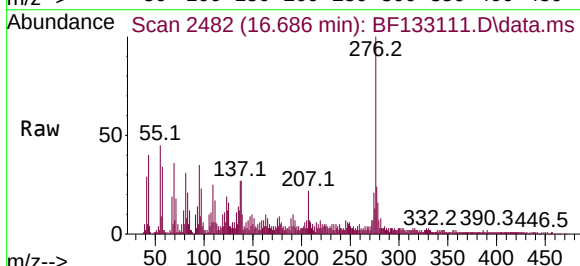
RT: 16.686 min Scan# 2482

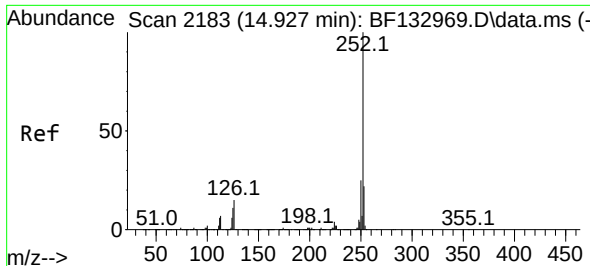
Delta R.T. -0.012 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

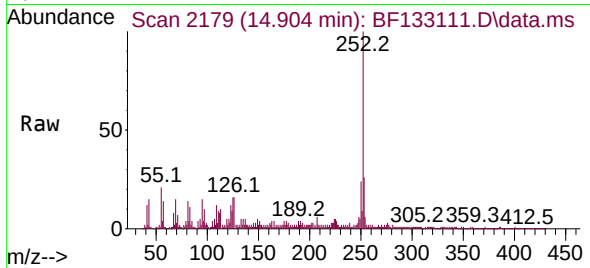
Tgt Ion:	276	Resp:	72964
Ion Ratio	Lower	Upper	
276	100		
138	24.6	25.5	38.3
277	24.4	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 12.643 ng m
RT: 14.904 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

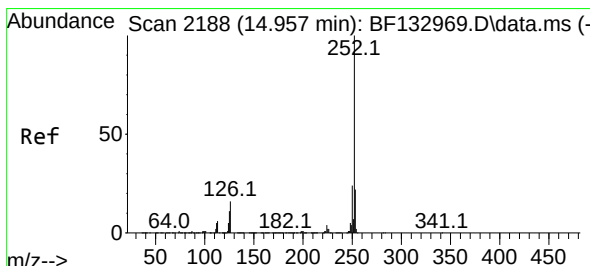
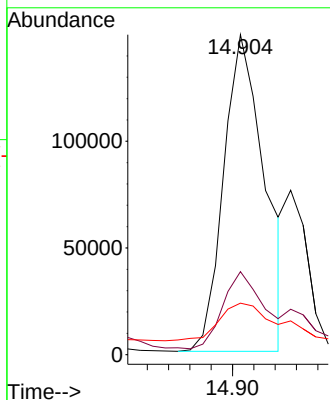
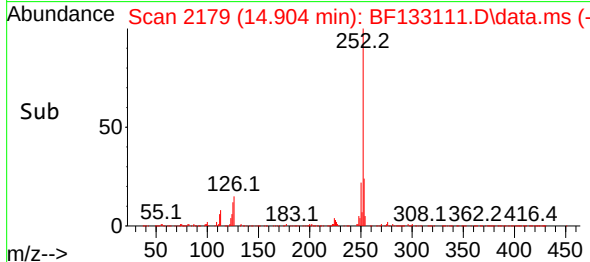
Instrument :
BNA_F
ClientSampleId :
SPD-1WC-23-04-18



Tgt Ion:252 Resp: 19849
Ion Ratio Lower Upper
252 100
253 25.9 17.6 26.4
125 16.1 8.9 13.3

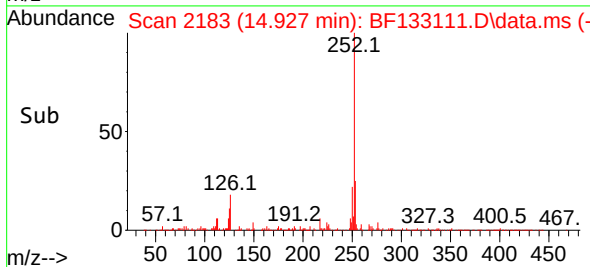
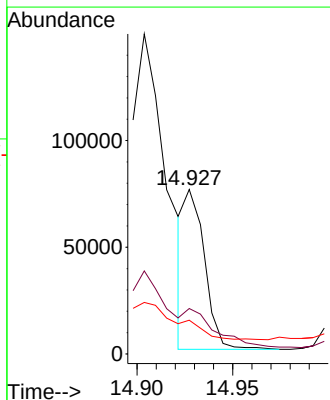
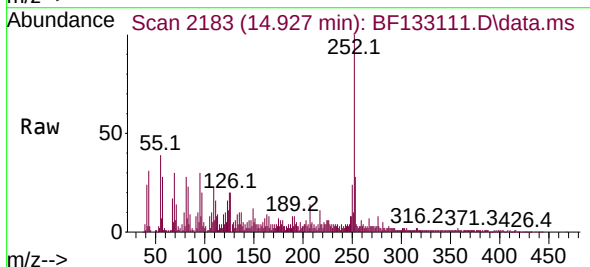
Manual Integrations
APPROVED

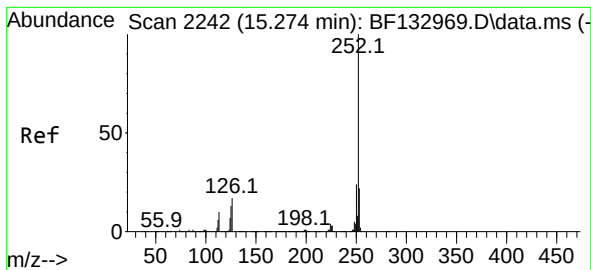
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#89
Benzo(k)fluoranthene
Concen: 3.553 ng m
RT: 14.927 min Scan# 2183
Delta R.T. -0.012 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

Tgt Ion:252 Resp: 55301
Ion Ratio Lower Upper
252 100
253 27.6 17.7 26.5#
125 20.5 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 8.129 ng

RT: 15.251 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133111.D

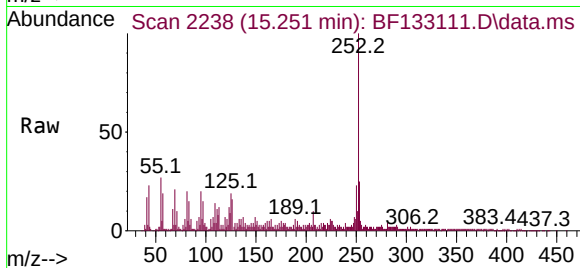
Acq: 27 Apr 2023 20:57

Instrument :

BNA_F

ClientSampleId :

SPD-1WC-23-04-18



Tgt Ion:252 Resp: 116170

Ion Ratio Lower Upper

252 100

253 25.1 17.7 26.5

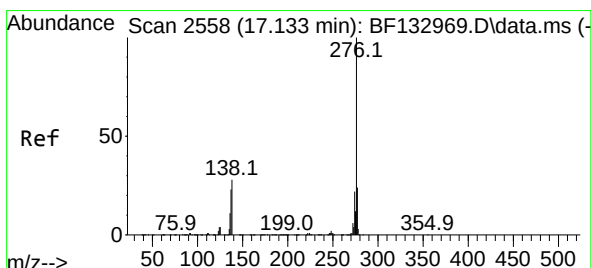
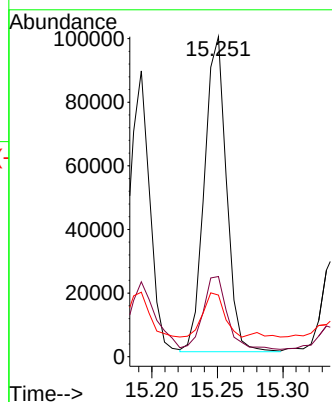
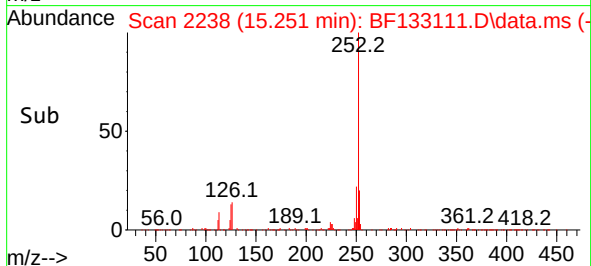
125 19.2 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#92

Benzo(g,h,i)perylene

Concen: 6.134 ng

RT: 17.104 min Scan# 2553

Delta R.T. -0.012 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

Tgt Ion:276 Resp: 70903

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.0

138 28.1 22.7 34.1

