

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
 Data File : BF132983.D
 Acq On : 21 Apr 2023 22:37
 Operator : CG\JU
 Sample : 02389-15 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPB-4WC-23-04-17

Quant Time: Apr 22 04:31:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/24/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	206310	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	782614	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	347553	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	511715	20.000	ng	0.00
76) Chrysene-d12	13.916	240	323601	20.000	ng	0.00
86) Perylene-d12	15.351	264	296000	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	547068	40.057	ng	0.00
7) Phenol-d6	6.381	99	659033	38.877	ng	0.00
23) Nitrobenzene-d5	7.310	82	385697	26.602	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	102028	29.190	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	633025	30.472	ng	0.00
79) Terphenyl-d14	12.863	244	457633	24.390	ng	0.00
Target Compounds						Qvalue
66) n-Nitrosodiphenylamine	10.445	169	58450	3.521	ng	92
71) Phenanthrene	11.298	178	490305	17.827	ng	100
72) Anthracene	11.345	178	125244	4.450	ng	98
73) Carbazole	11.498	167	61431	2.451	ng	# 95
75) Fluoranthene	12.486	202	744526	26.973	ng	98
78) Pyrene	12.716	202	661200	23.836	ng	99
80) Butylbenzylphthalate	13.339	149	23280	2.370	ng	# 70
81) Benzo(a)anthracene	13.904	228	321622	14.453	ng	97
83) Chrysene	13.939	228	318693	14.325	ng	96
84) Bis(2-ethylhexyl)phtha...	13.910	149	622170	50.466	ng	100
87) Indeno(1,2,3-cd)pyrene	16.739	276	152467	9.055	ng	96
88) Benzo(b)fluoranthene	14.939	252	386112m	20.504	ng	
89) Benzo(k)fluoranthene	14.963	252	113035m	6.055	ng	
90) Benzo(a)pyrene	15.292	252	229354	13.381	ng	# 90
91) Dibenzo(a,h)anthracene	16.757	278	42168	3.003	ng	# 56
92) Benzo(g,h,i)perylene	17.157	276	148442	10.707	ng	98

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

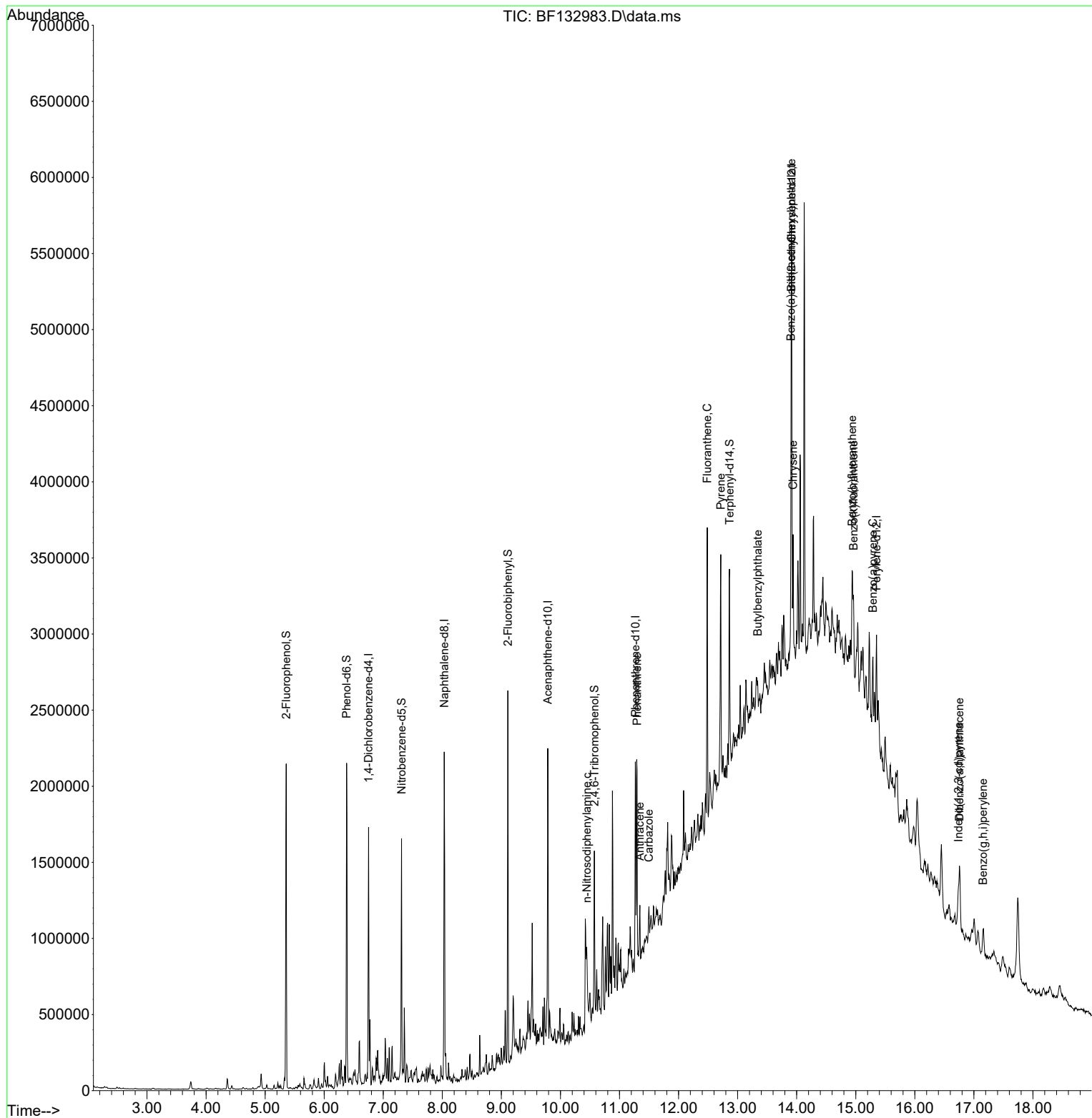
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
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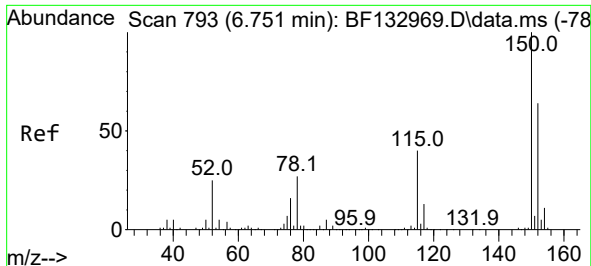
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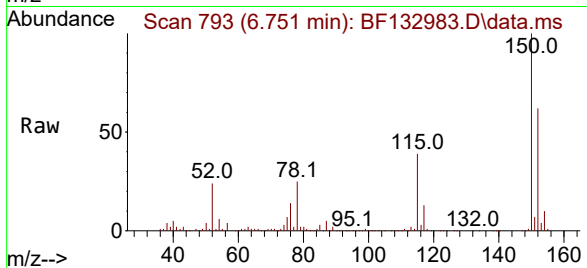
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

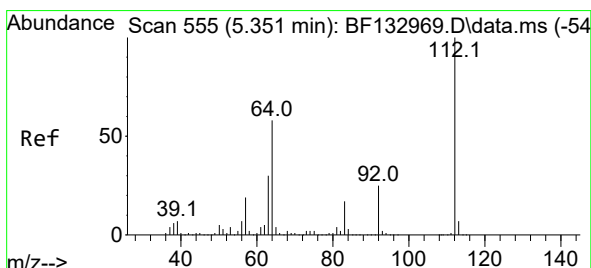
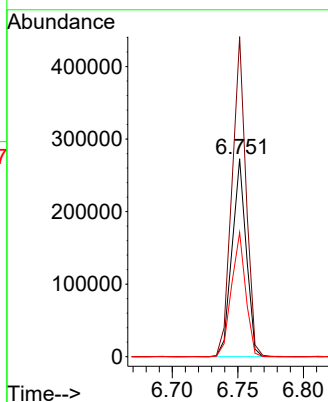
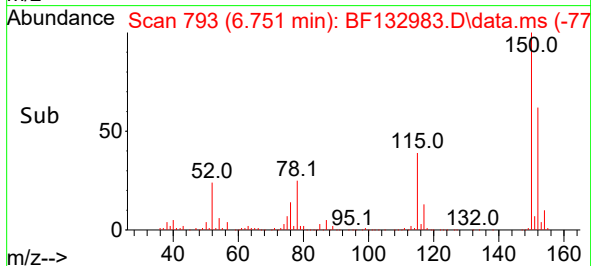
Instrument :
BNA_F
ClientSampleId :
SPB-4WC-23-04-17



Tgt Ion:152 Resp: 206310
Ion Ratio Lower Upper
152 100
150 161.6 124.8 187.2
115 62.7 49.9 74.9

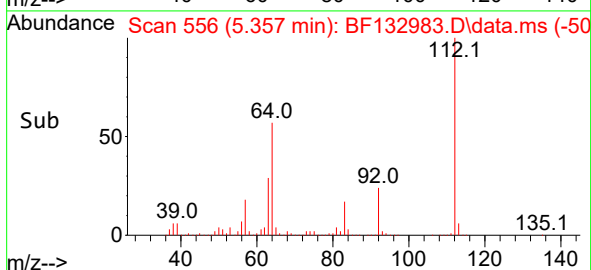
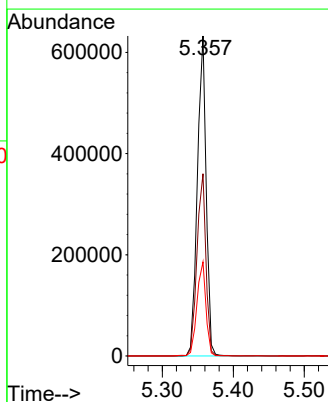
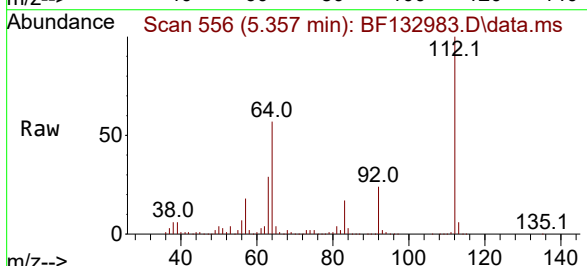
Manual Integrations
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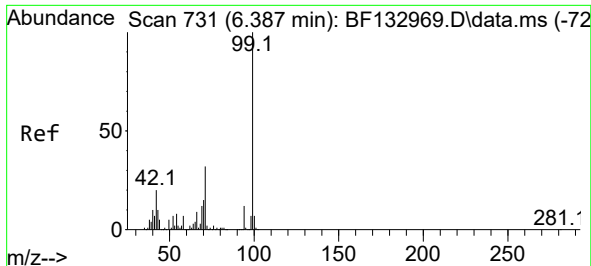
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#5
2-Fluorophenol
Concen: 40.057 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

Tgt Ion:112 Resp: 547068
Ion Ratio Lower Upper
112 100
64 56.9 46.8 70.2
63 29.4 23.8 35.8





#7

Phenol-d6

Concen: 38.877 ng

RT: 6.381 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF132983.D

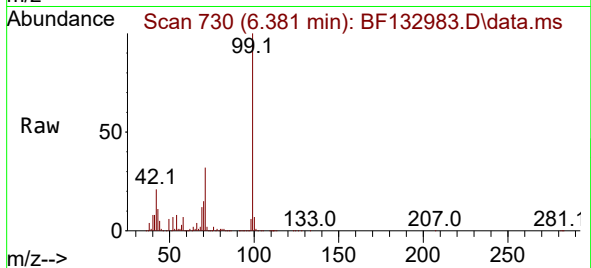
Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17



Tgt Ion: 99 Resp: 65903

Ion Ratio Lower Upper

99 100

42 20.8 16.3 24.5

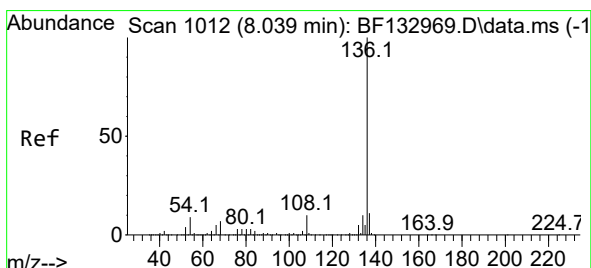
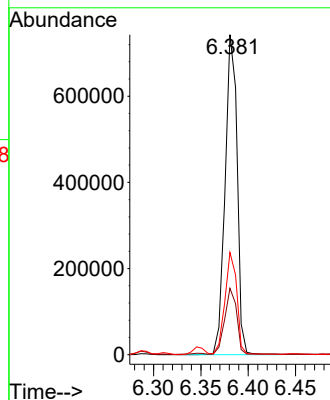
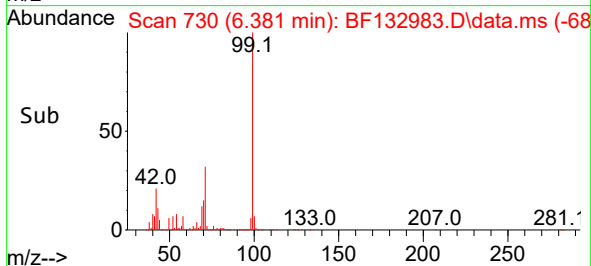
71 32.0 25.6 38.4

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.034 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

Tgt Ion:136 Resp: 782614

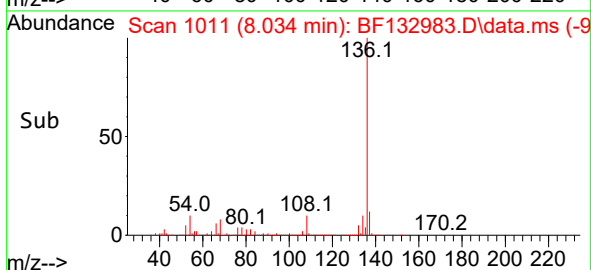
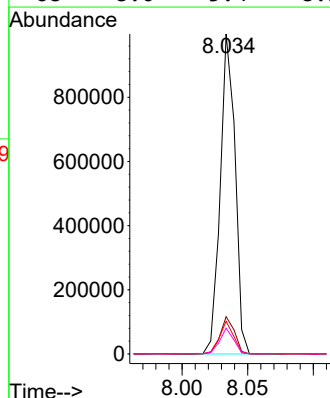
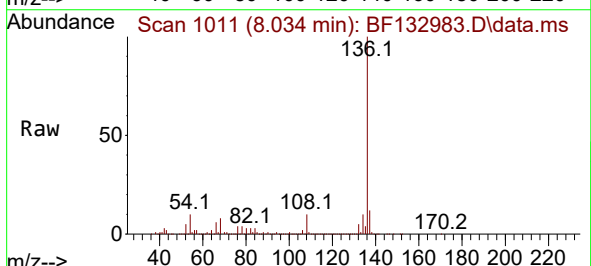
Ion Ratio Lower Upper

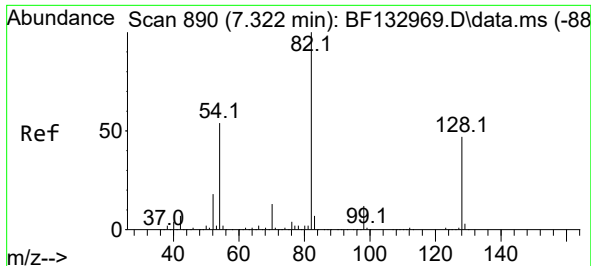
136 100

137 11.7 8.6 13.0

54 10.2 7.0 10.4

68 8.0 5.4 8.2





#23

Nitrobenzene-d5

Concen: 26.602 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF132983.D

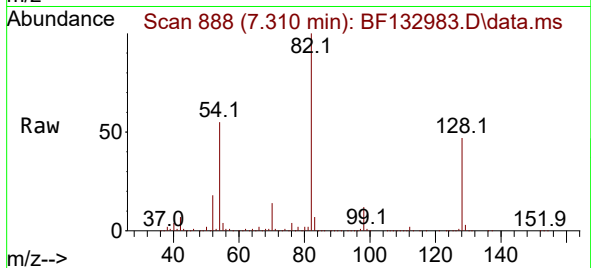
Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17



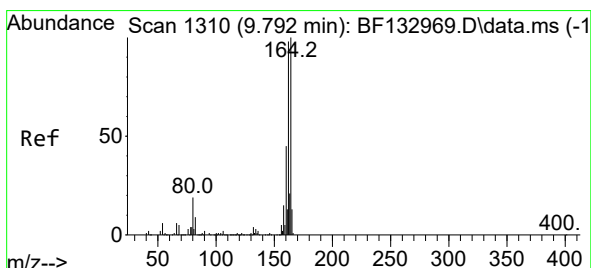
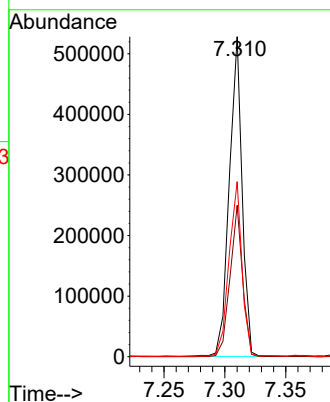
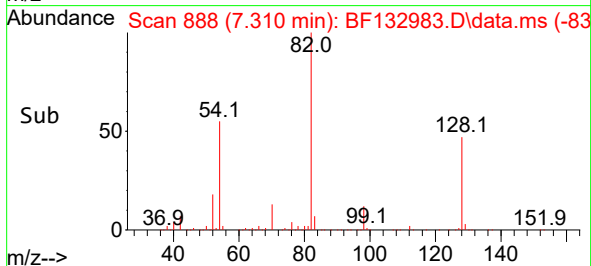
Tgt Ion: 82 Resp: 38569

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.7	56.5
54	54.7	43.0	64.4

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#39

Acenaphthene-d10

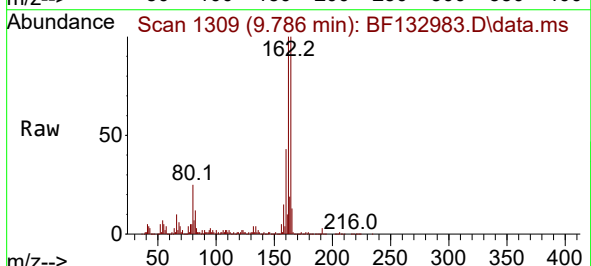
Concen: 20.000 ng

RT: 9.786 min Scan# 1309

Delta R.T. -0.006 min

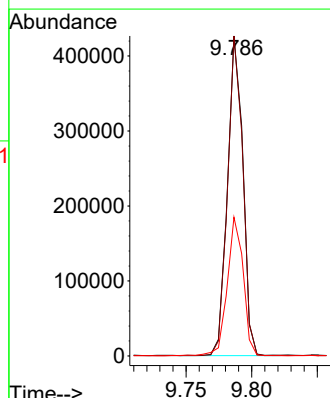
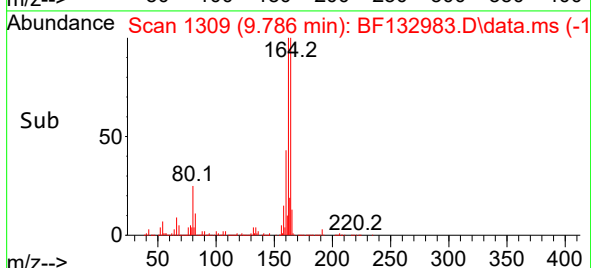
Lab File: BF132983.D

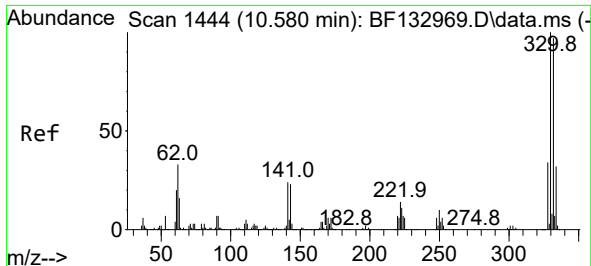
Acq: 21 Apr 2023 22:37



Tgt Ion:164 Resp: 347553

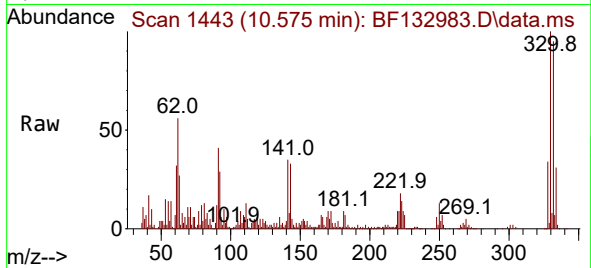
Ion	Ratio	Lower	Upper
164	100		
162	100.0	78.7	118.1
160	43.3	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 29.190 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

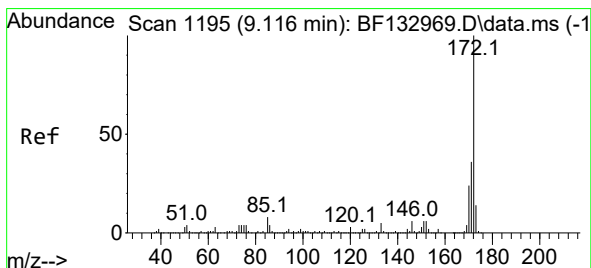
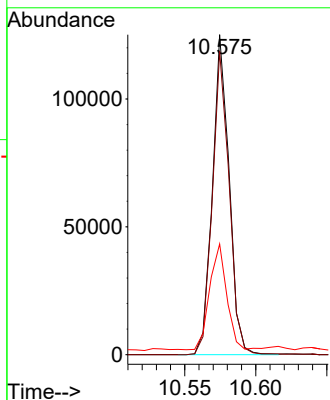
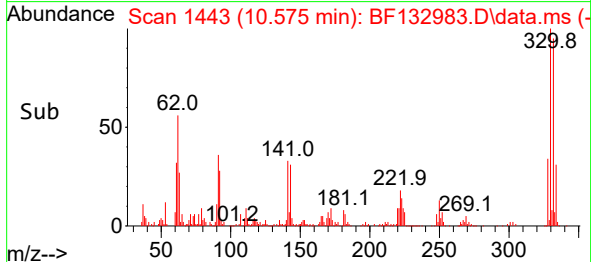
Instrument :
BNA_F
ClientSampleId :
SPB-4WC-23-04-17



Tgt Ion: 330 Resp: 102028
Ion Ratio Lower Upper
330 100
332 95.5 77.1 115.7
141 33.9 25.8 38.8

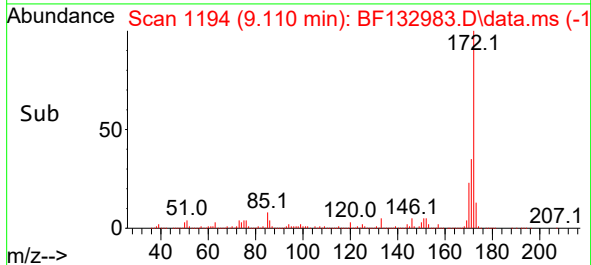
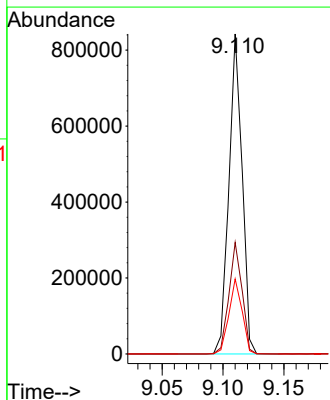
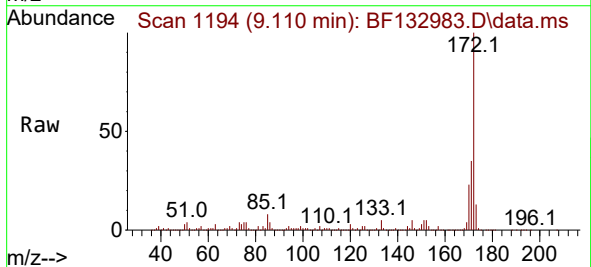
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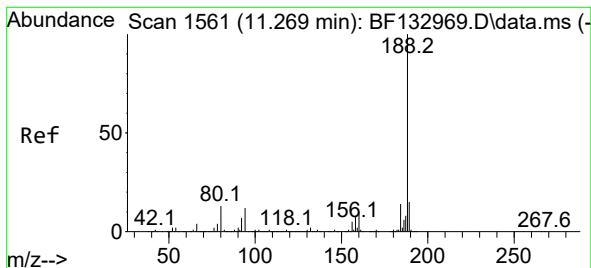
Reviewed By : Christian Giraldo 04/24/2023
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#45
2-Fluorobiphenyl
Concen: 30.472 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

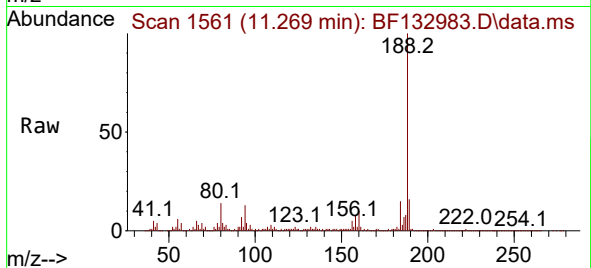
Tgt Ion: 172 Resp: 633025
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.5 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1126
Delta R.T. 0.000 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

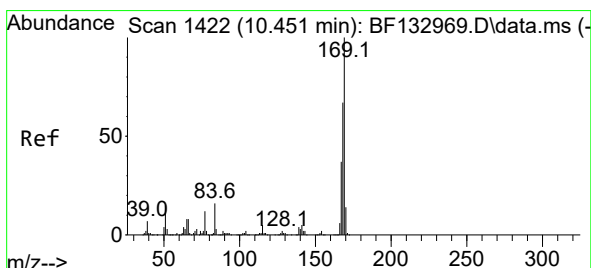
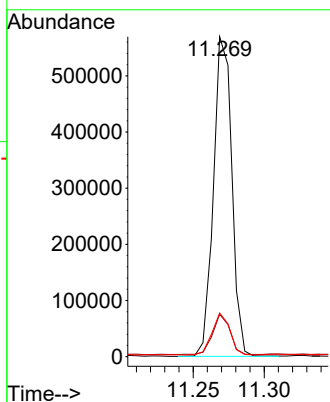
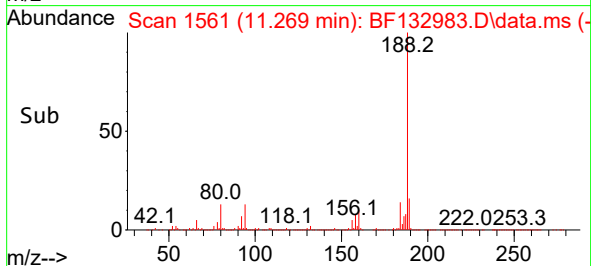
Instrument :
BNA_F
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SPB-4WC-23-04-17



Tgt Ion:188 Resp: 51171
Ion Ratio Lower Upper
188 100
94 13.3 9.7 14.5
80 13.7 10.4 15.6

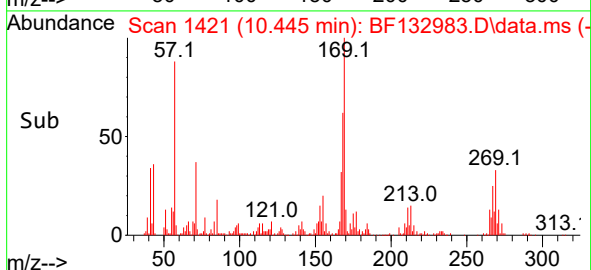
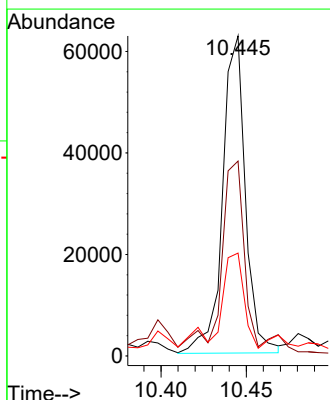
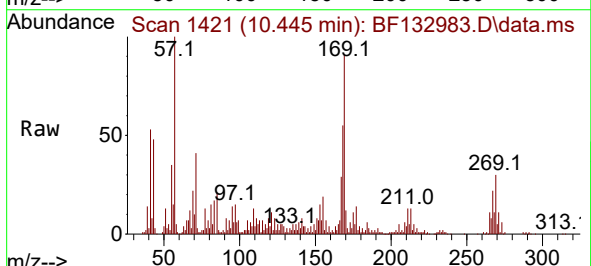
Manual Integrations
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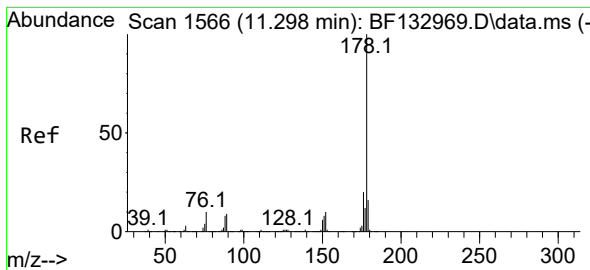
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#66
n-Nitrosodiphenylamine
Concen: 3.521 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

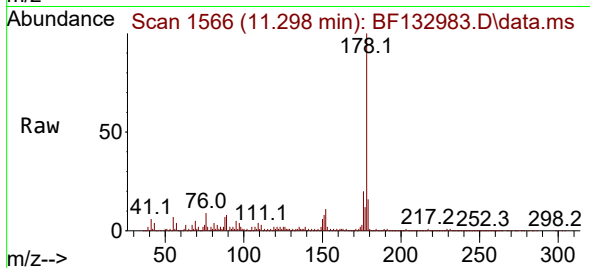
Tgt Ion:169 Resp: 58450
Ion Ratio Lower Upper
169 100
168 60.9 53.8 80.8
167 32.1 29.7 44.5





#71
Phenanthrene
Concen: 17.827 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

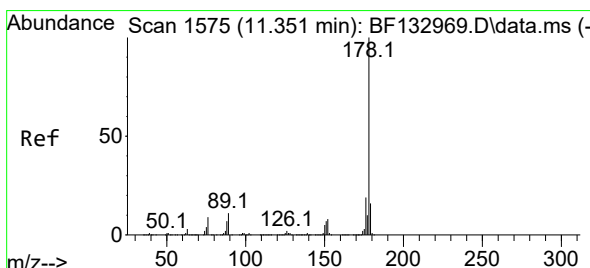
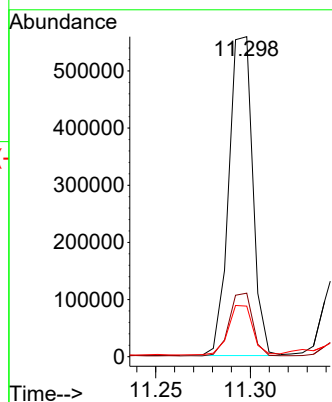
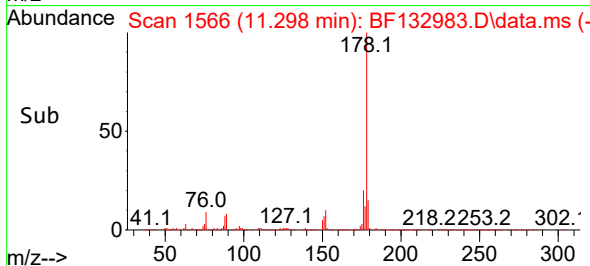
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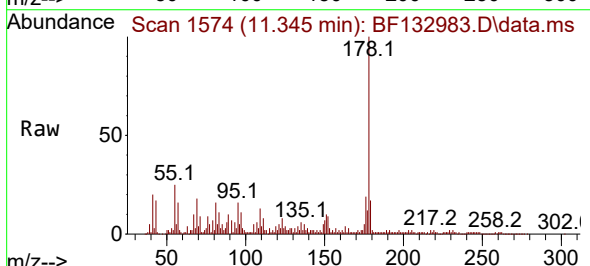
Tgt Ion:178 Resp: 490305
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.8 12.5 18.7

Manual Integrations
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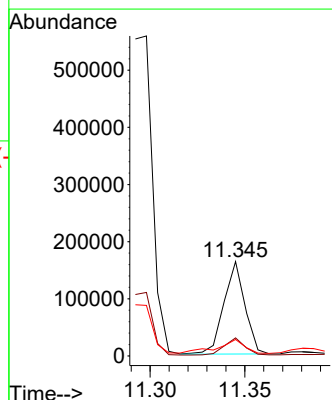
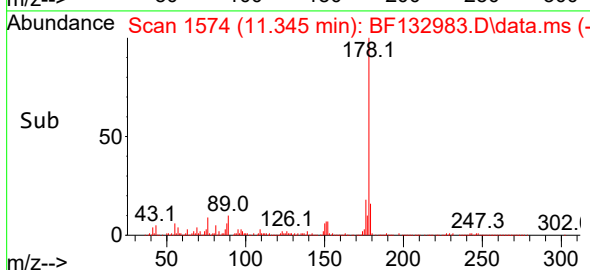
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023

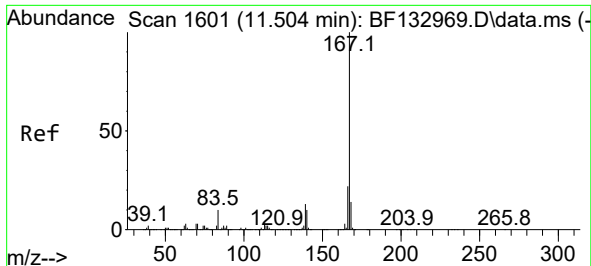


#72
Anthracene
Concen: 4.450 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37



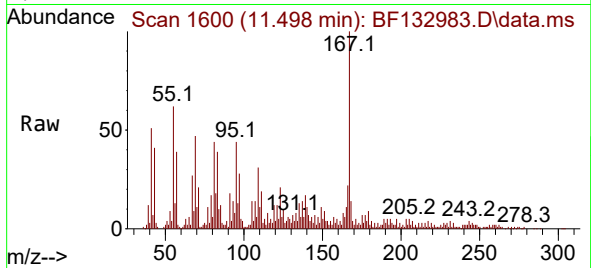
Tgt Ion:178 Resp: 125244
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 17.4 12.4 18.6





#73
 Carbazole
 Concen: 2.451 ng
 RT: 11.498 min Scan# 1600
 Delta R.T. -0.006 min
 Lab File: BF132983.D
 Acq: 21 Apr 2023 22:37

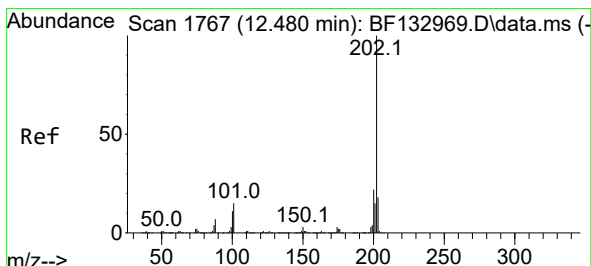
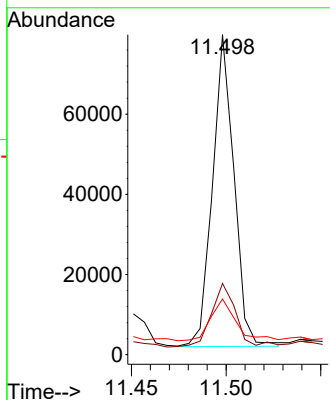
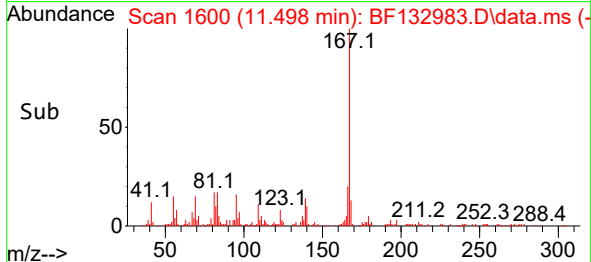
Instrument :
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 SPB-4WC-23-04-17



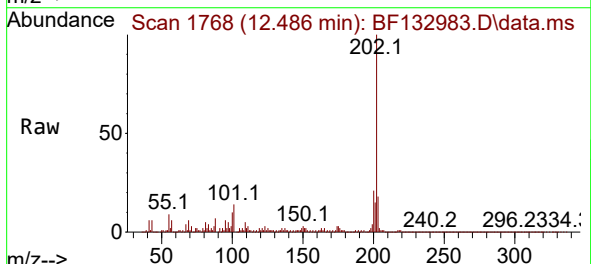
Tgt Ion:167 Resp: 6143
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 17.4 10.6 16.0

Manual Integrations
 APPROVED

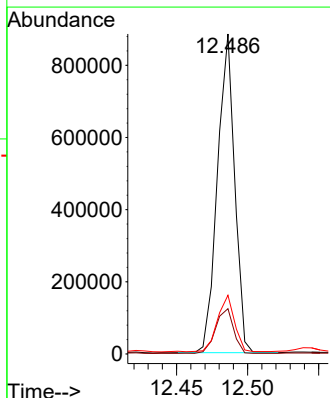
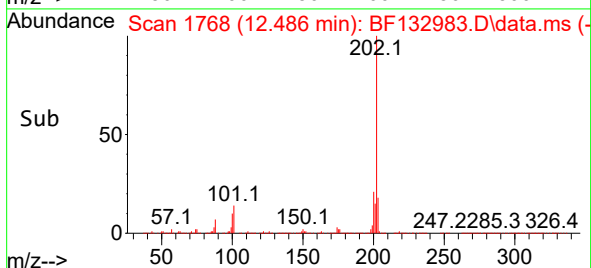
Reviewed By :Christian Giraldo 04/24/2023
 Supervised By :Jagrut Upadhyay 04/24/2023

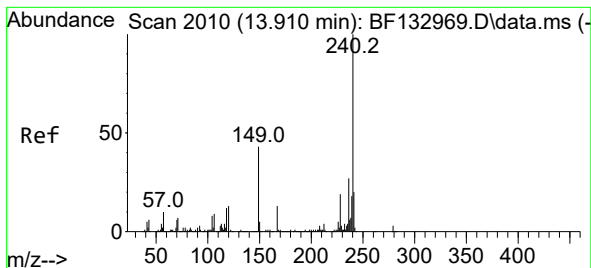


#75
 Fluoranthene
 Concen: 26.973 ng
 RT: 12.486 min Scan# 1768
 Delta R.T. 0.006 min
 Lab File: BF132983.D
 Acq: 21 Apr 2023 22:37



Tgt Ion:202 Resp: 744526
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 35.3
 203 18.3 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.916 min Scan# 2010

Delta R.T. 0.006 min

Lab File: BF132983.D

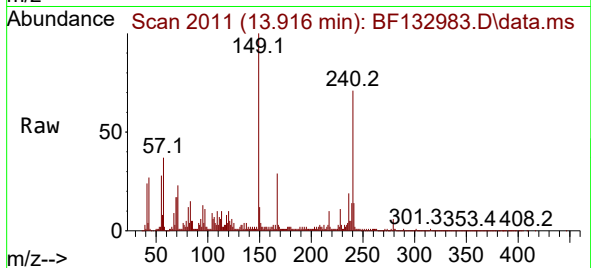
Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17



Tgt Ion:240 Resp: 323600

Ion Ratio Lower Upper

240 100

120 14.0 10.5 15.7

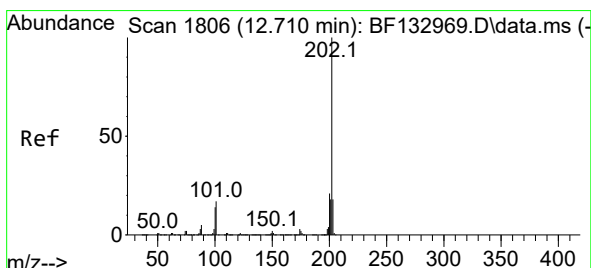
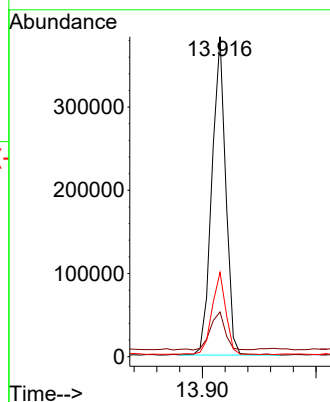
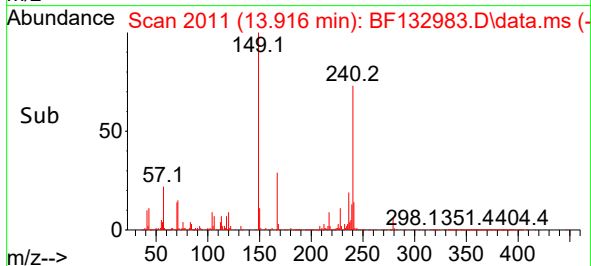
236 26.3 21.5 32.3

Manual Integrations

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Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#78

Pyrene

Concen: 23.836 ng

RT: 12.716 min Scan# 1807

Delta R.T. 0.006 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

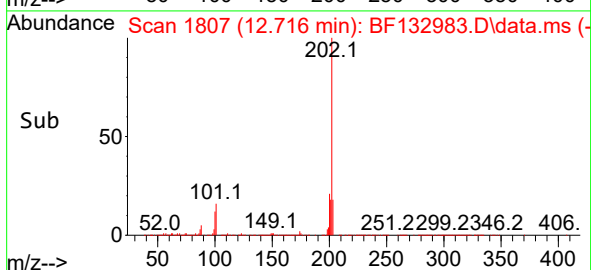
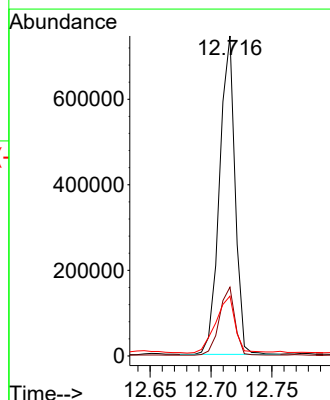
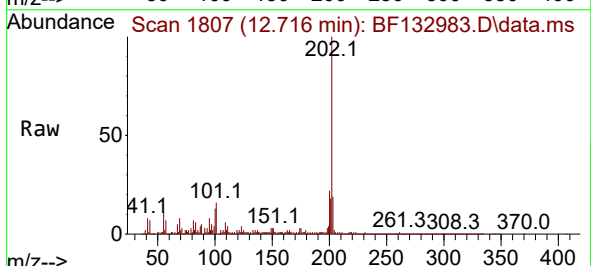
Tgt Ion:202 Resp: 661200

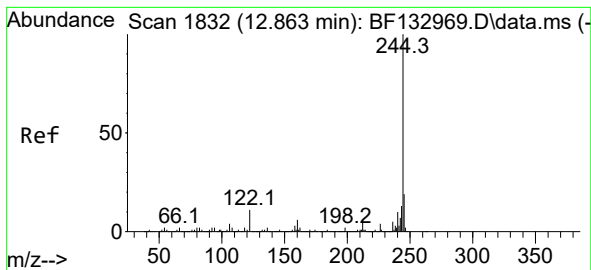
Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 18.7 14.1 21.1





#79

Terphenyl-d14

Concen: 24.390 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17

Tgt Ion:244 Resp: 45763

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

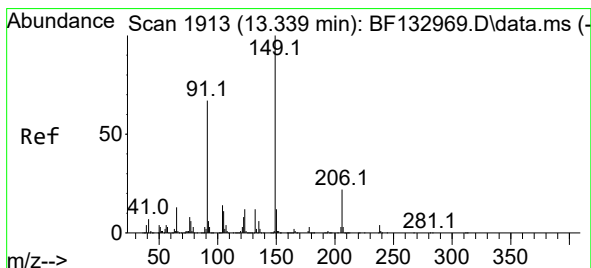
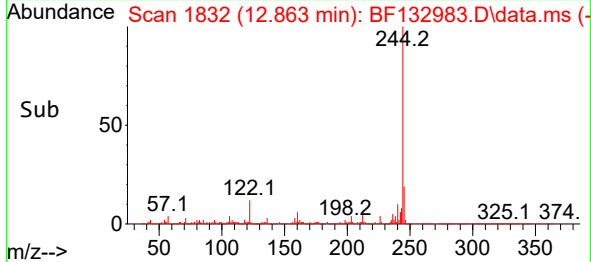
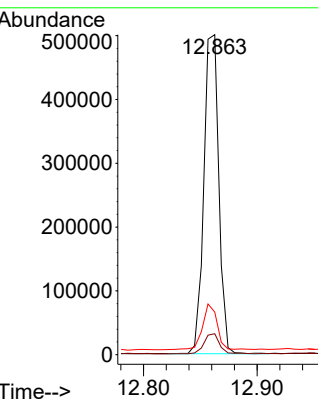
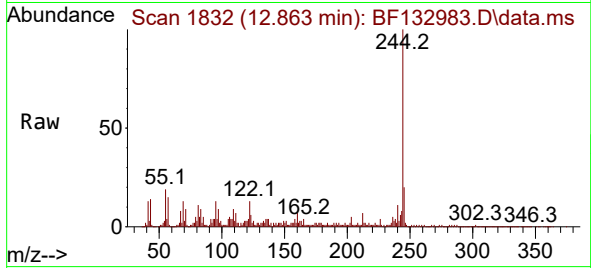
122 13.3 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#80

Butylbenzylphthalate

Concen: 2.370 ng

RT: 13.339 min Scan# 1913

Delta R.T. 0.000 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

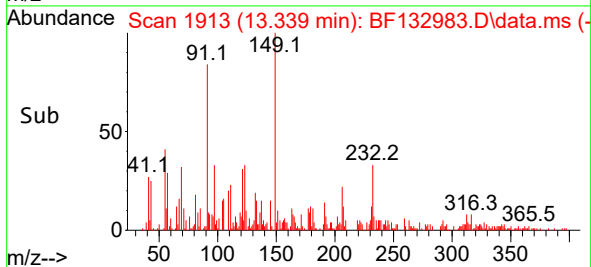
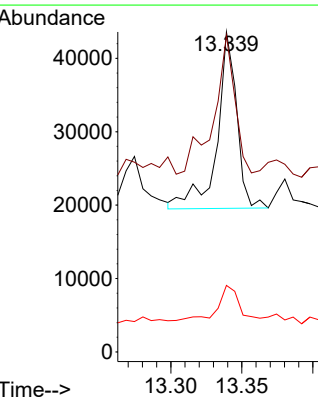
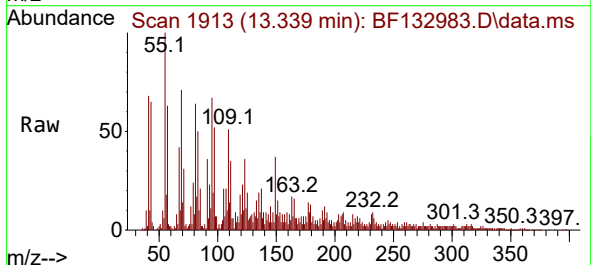
Tgt Ion:149 Resp: 23280

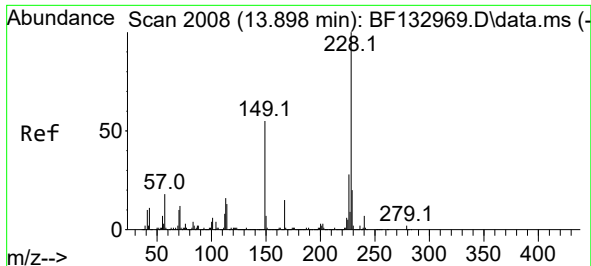
Ion Ratio Lower Upper

149 100

91 99.0 53.8 80.6

206 20.8 17.5 26.3





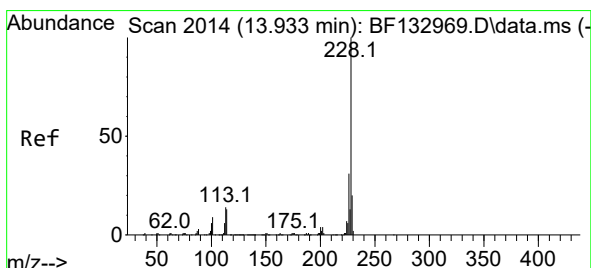
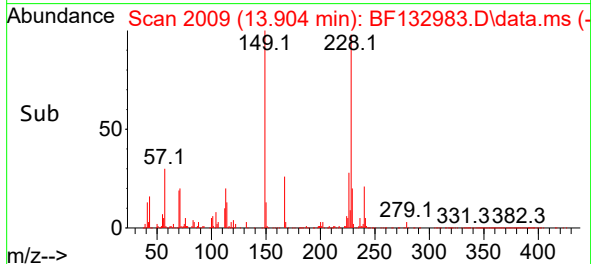
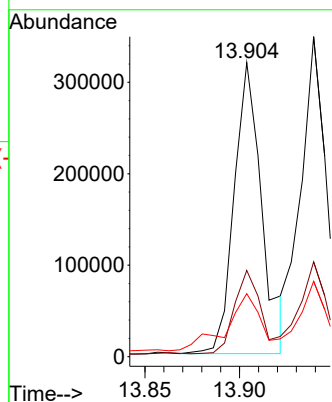
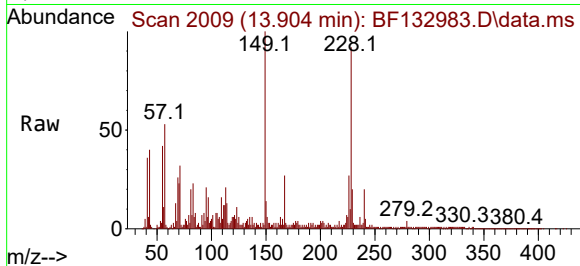
#81
Benzo(a)anthracene
Concen: 14.453 ng
RT: 13.904 min Scan# 2008
Delta R.T. 0.006 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

Instrument :
BNA_F
ClientSampleId :
SPB-4WC-23-04-17

Tgt Ion:228 Resp: 32162
Ion Ratio Lower Upper
228 100
226 29.3 22.2 33.4
229 21.4 16.0 24.0

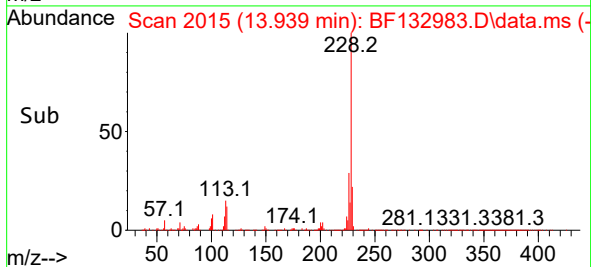
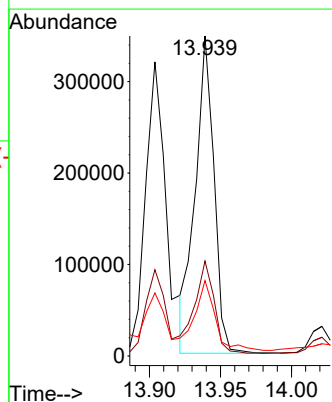
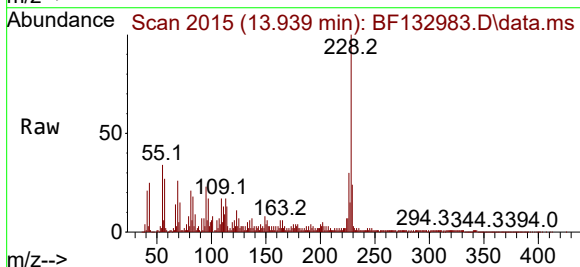
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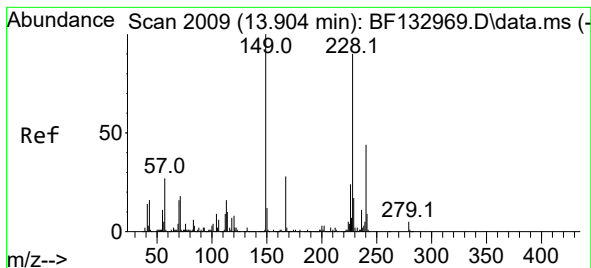
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#83
Chrysene
Concen: 14.325 ng
RT: 13.939 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

Tgt Ion:228 Resp: 318693
Ion Ratio Lower Upper
228 100
226 29.6 24.7 37.1
229 23.6 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 50.466 ng

RT: 13.910 min Scan# 2009

Delta R.T. 0.006 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17

Tgt Ion:149 Resp: 622170

Ion Ratio Lower Upper

149 100

167 28.0 22.5 33.7

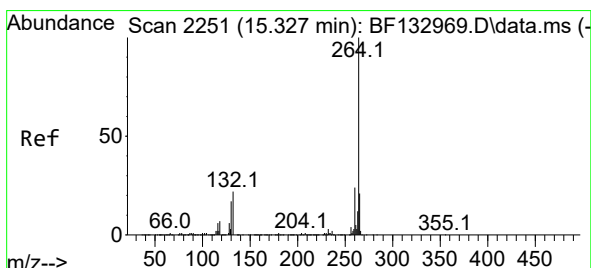
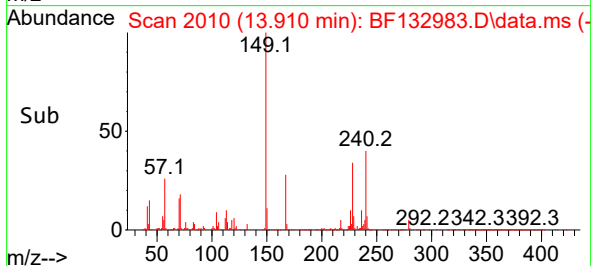
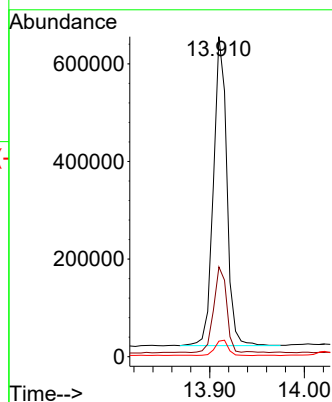
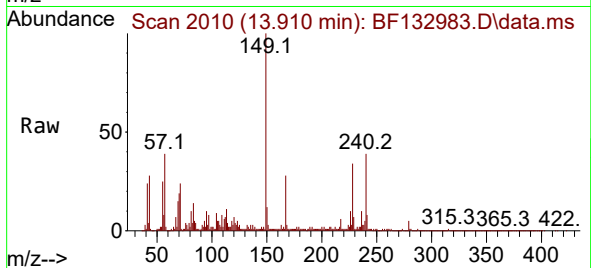
279 4.9 4.2 6.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.351 min Scan# 2255

Delta R.T. 0.024 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

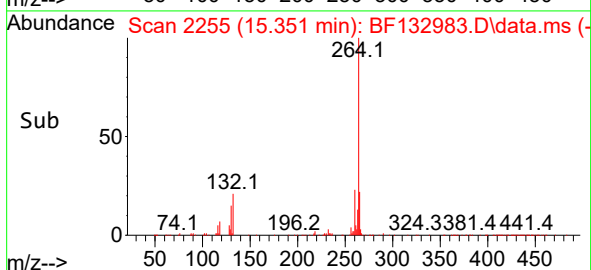
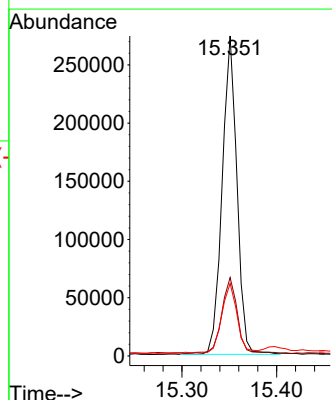
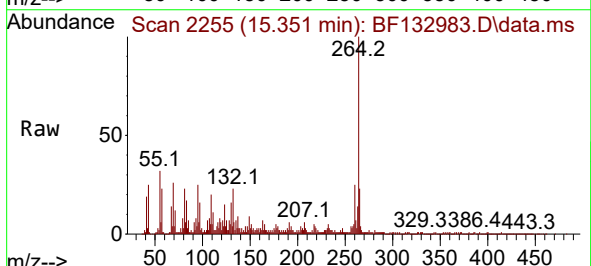
Tgt Ion:264 Resp: 296000

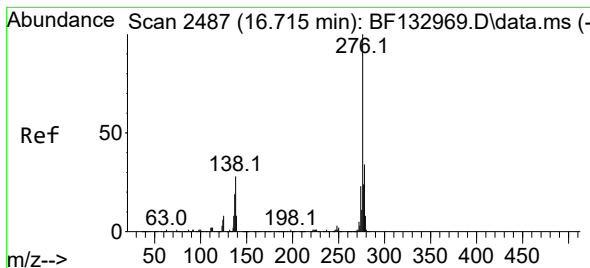
Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

265 22.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.055 ng

RT: 16.739 min Scan# 2487

Delta R.T. 0.024 min

Lab File: BF132983.D

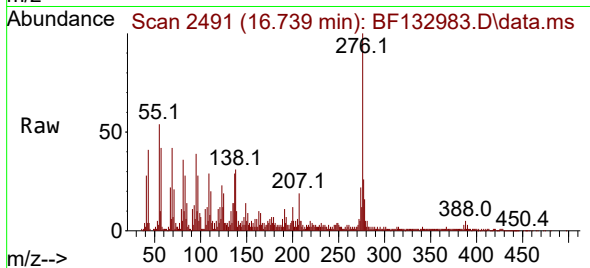
Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17



Tgt Ion:276 Resp: 15246

Ion Ratio Lower Upper

276 100

138 28.7 25.5 38.3

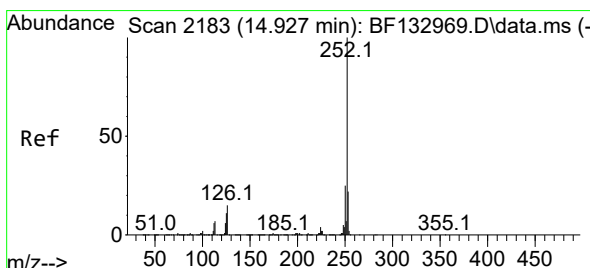
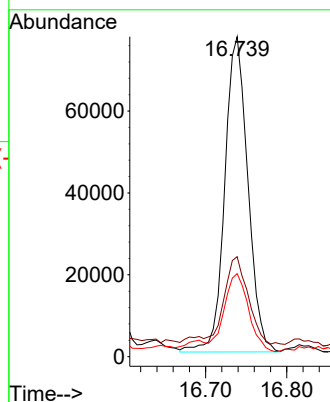
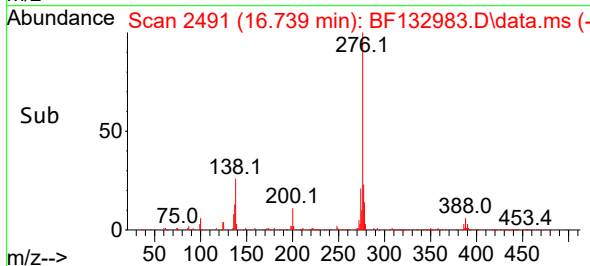
277 26.1 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#88

Benzo(b)fluoranthene

Concen: 20.504 ng m

RT: 14.939 min Scan# 2185

Delta R.T. 0.012 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

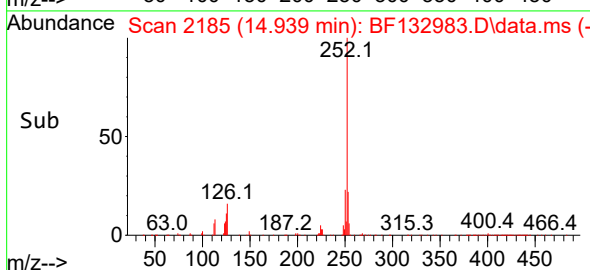
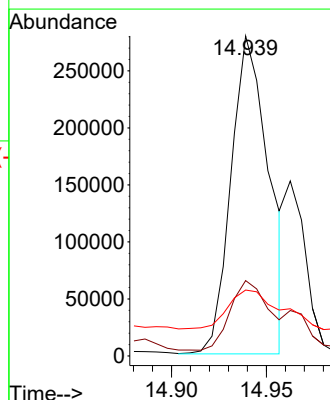
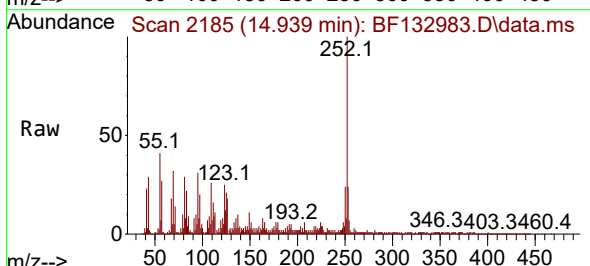
Tgt Ion:252 Resp: 386112

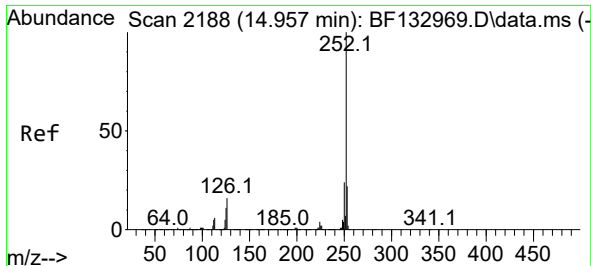
Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

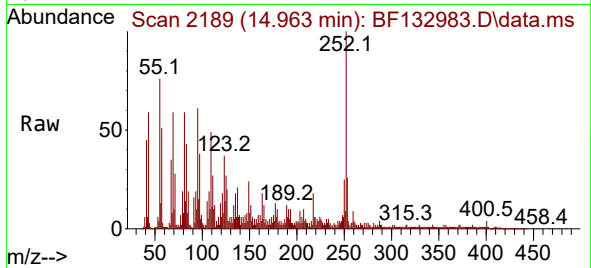
125 20.6 8.9 13.3#





#89
Benzo(k)fluoranthene
Concen: 6.055 ng m
RT: 14.963 min Scan# 2188
Delta R.T. 0.006 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

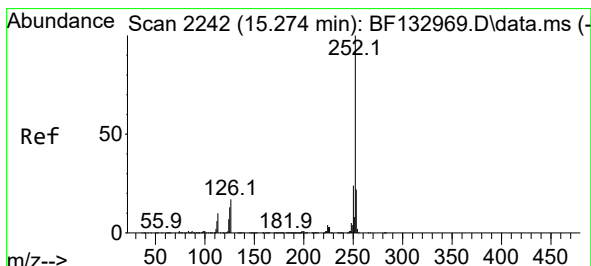
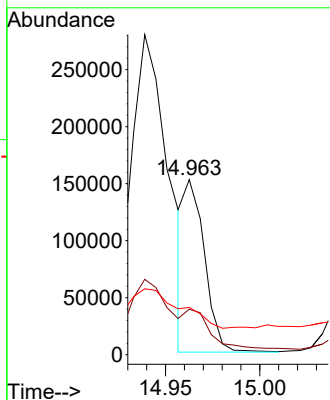
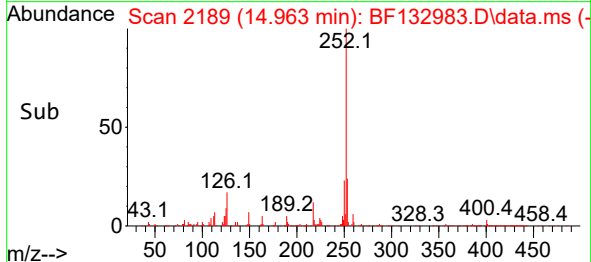
Instrument :
BNA_F
ClientSampleId :
SPB-4WC-23-04-17



Tgt Ion:252 Resp: 113035
Ion Ratio Lower Upper
252 100
253 26.0 17.7 26.5
125 26.9 9.0 13.4

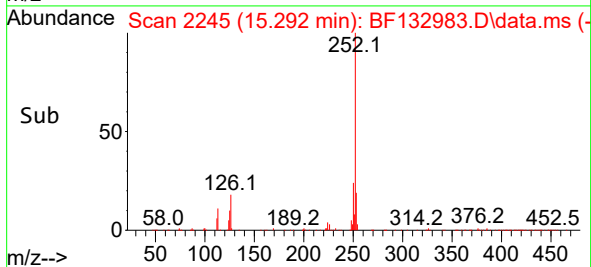
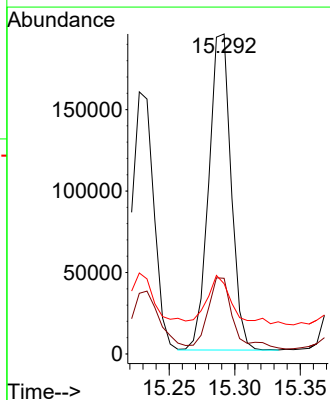
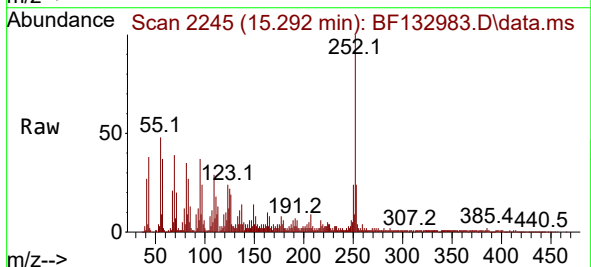
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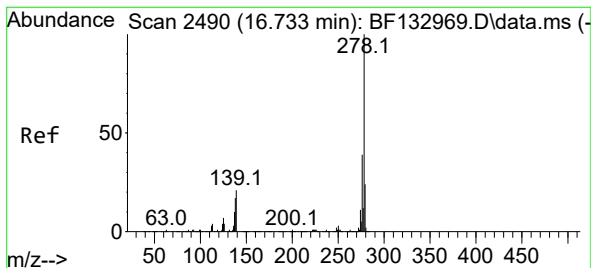
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#90
Benzo(a)pyrene
Concen: 13.381 ng
RT: 15.292 min Scan# 2245
Delta R.T. 0.018 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

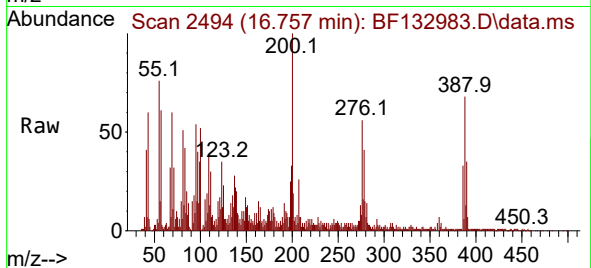
Tgt Ion:252 Resp: 229354
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 22.0 10.5 15.7





#91
Dibenzo(a,h)anthracene
Concen: 3.003 ng
RT: 16.757 min Scan# 2494
Delta R.T. 0.024 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

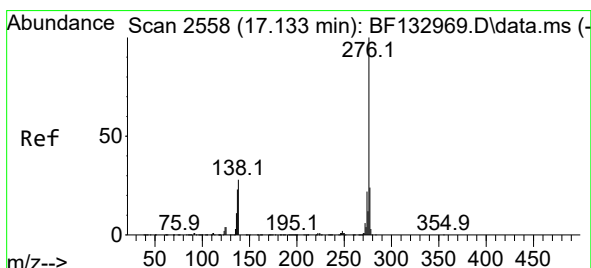
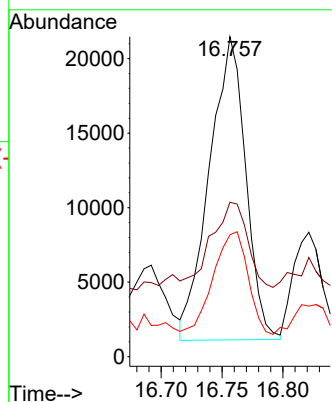
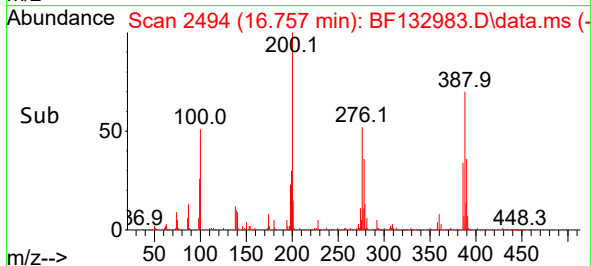
Instrument :
BNA_F
ClientSampleId :
SPB-4WC-23-04-17



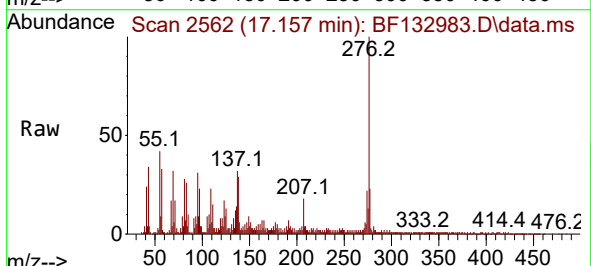
Tgt Ion: 278 Resp: 42168
Ion Ratio Lower Upper
278 100
139 48.2 16.6 24.8
279 38.1 18.8 28.2

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 04/24/2023
Supervised By : Jagrut Upadhyay 04/24/2023



#92
Benzo(g,h,i)perylene
Concen: 10.707 ng
RT: 17.157 min Scan# 2562
Delta R.T. 0.024 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37



Tgt Ion: 276 Resp: 148442
Ion Ratio Lower Upper
276 100
277 23.3 19.4 29.0
138 29.3 22.7 34.1

