

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133086.D
 Acq On : 27 Apr 2023 02:07
 Operator : CG\JU
 Sample : 02423-07 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPD-2WC-23-04-18

Quant Time: Apr 27 04:04:15 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	329736	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	1270901	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	605907	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	937892	20.000	ng	0.00
76) Chrysene-d12	13.892	240	625560	20.000	ng	0.00
86) Perylene-d12	15.315	264	512270	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.339	112	456144	20.897	ng	0.00
7) Phenol-d6	6.369	99	582212	21.489	ng	-0.01
23) Nitrobenzene-d5	7.298	82	345577	14.677	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	65464	10.743	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	653847	18.054	ng	0.00
79) Terphenyl-d14	12.839	244	551272	15.199	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.274	178	158228	3.139	ng	99
75) Fluoranthene	12.463	202	362012	7.156	ng	97
78) Pyrene	12.692	202	334561	6.239	ng	99
81) Benzo(a)anthracene	13.880	228	143754	3.342	ng	98
83) Chrysene	13.915	228	152379	3.543	ng	97
87) Indeno(1,2,3-cd)pyrene	16.686	276	59563	2.044	ng	92
88) Benzo(b)fluoranthene	14.904	252	154843m	4.751	ng	
90) Benzo(a)pyrene	15.251	252	97945	3.302	ng	# 93
92) Benzo(g,h,i)perylene	17.103	276	55802	2.326	ng	95

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

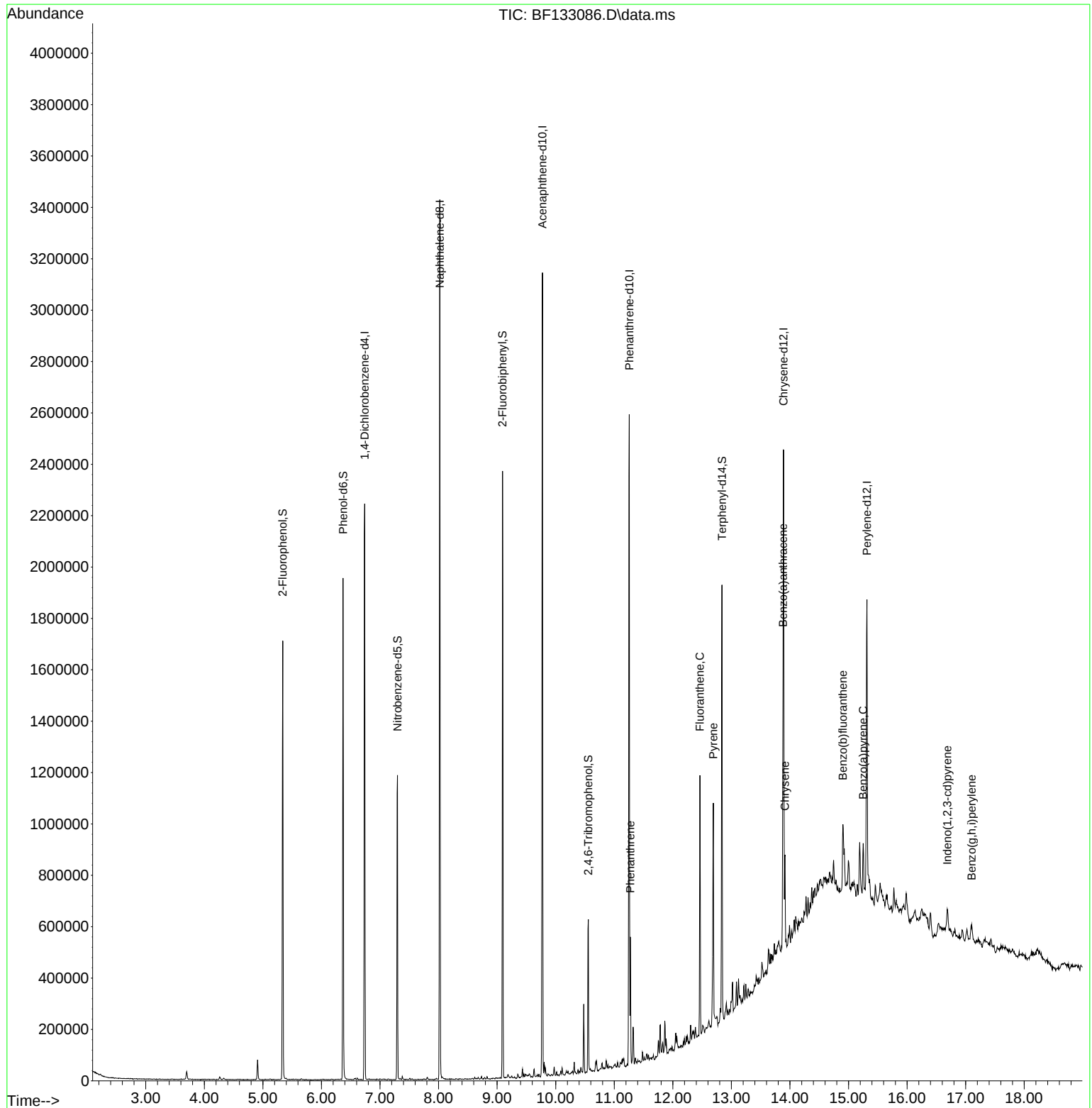
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133086.D
Acq On : 27 Apr 2023 02:07
Operator : CG\JU
Sample : 02423-07 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

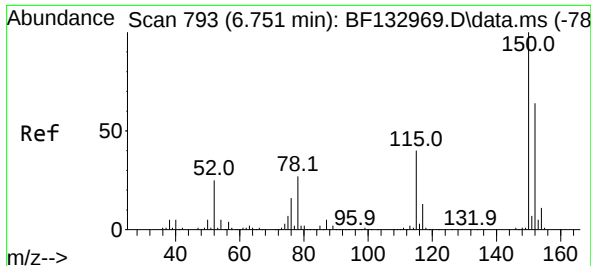
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18

Quant Time: Apr 27 04:04:15 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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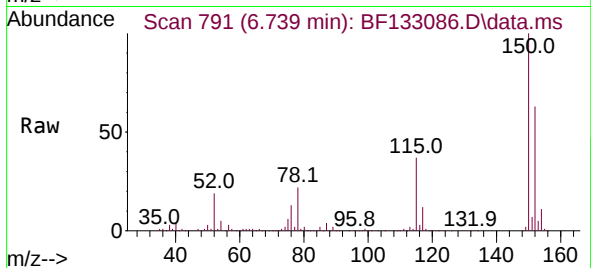
Reviewed By : Christian Giraldo 04/27/2023
Supervised By : Jagrut Upadhyay 04/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

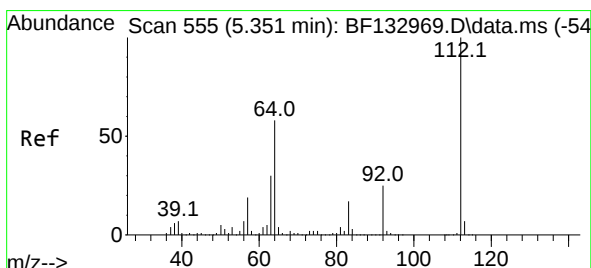
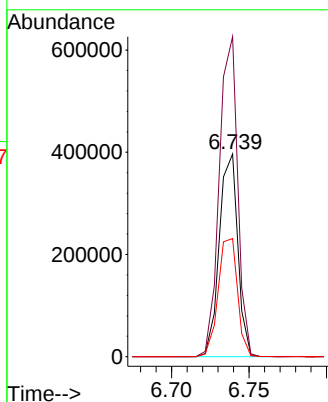
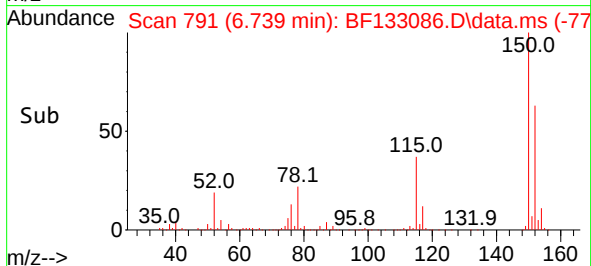
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18



Tgt Ion:152 Resp: 329730
Ion Ratio Lower Upper
152 100
150 157.9 124.8 187.2
115 58.2 49.9 74.9

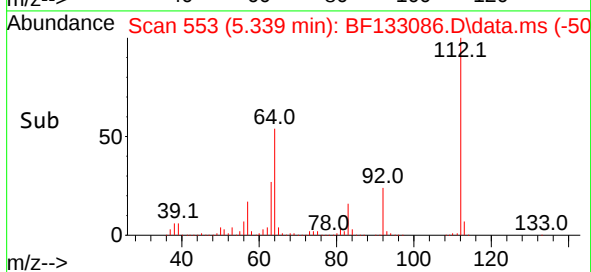
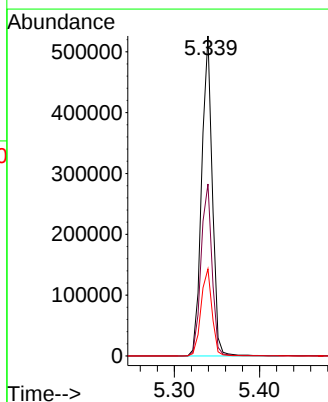
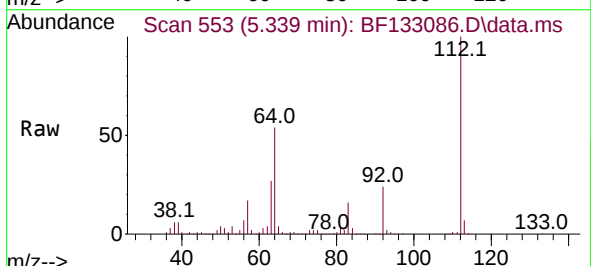
Manual Integrations
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#5
2-Fluorophenol
Concen: 20.897 ng
RT: 5.339 min Scan# 553
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

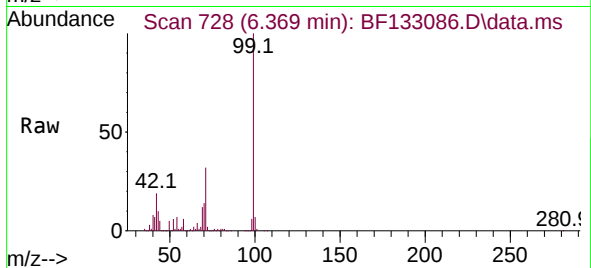
Tgt Ion:112 Resp: 456144
Ion Ratio Lower Upper
112 100
64 53.8 46.8 70.2
63 27.2 23.8 35.8





#7
Phenol-d6
Concen: 21.489 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

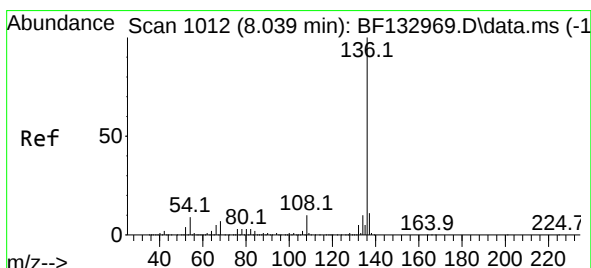
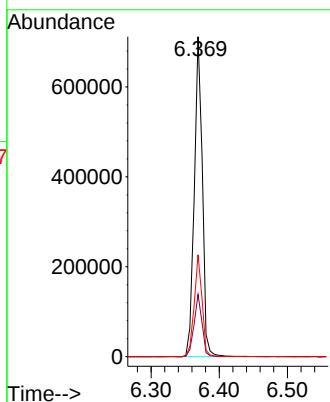
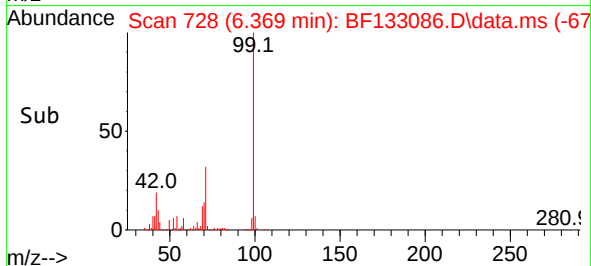
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18



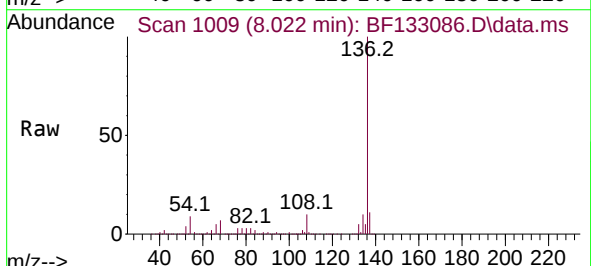
Tgt Ion: 99 Resp: 58221
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 31.9 25.6 38.4

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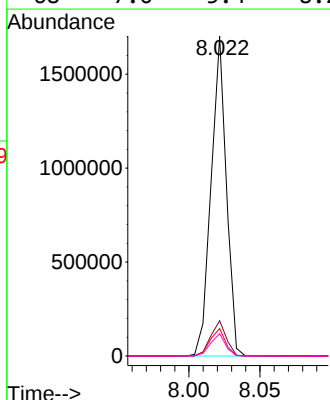
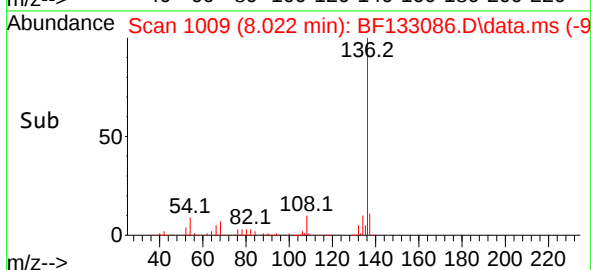
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023

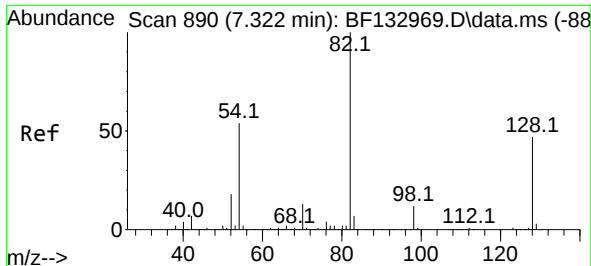


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07



Tgt Ion:136 Resp: 1270901
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.6 7.0 10.4
68 7.0 5.4 8.2





#23

Nitrobenzene-d5

Concen: 14.677 ng

RT: 7.298 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133086.D

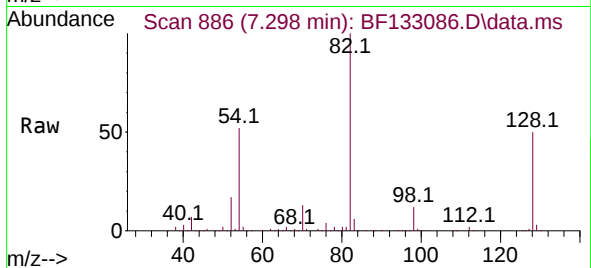
Acq: 27 Apr 2023 02:07

Instrument :

BNA_F

ClientSampleId :

SPD-2WC-23-04-18



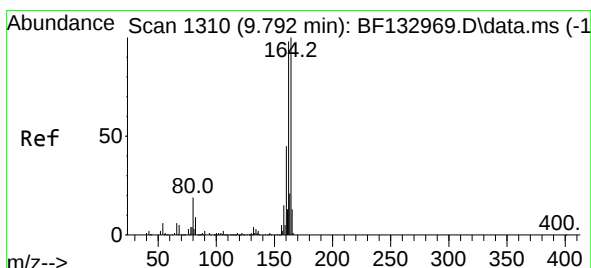
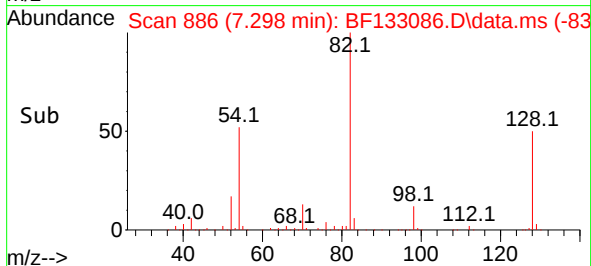
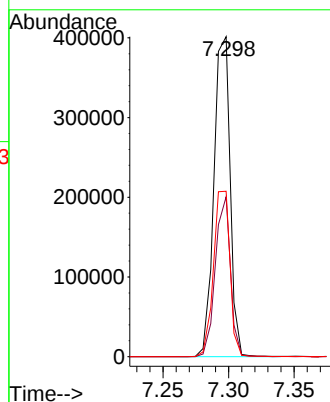
Tgt Ion: 82 Resp: 34557

Ion	Ratio	Lower	Upper
82	100		
128	49.9	37.7	56.5
54	51.7	43.0	64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.774 min Scan# 1307

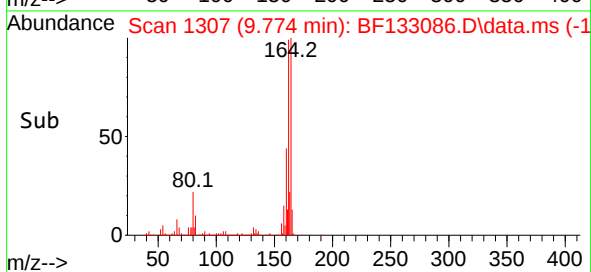
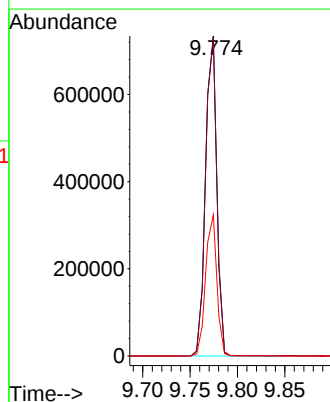
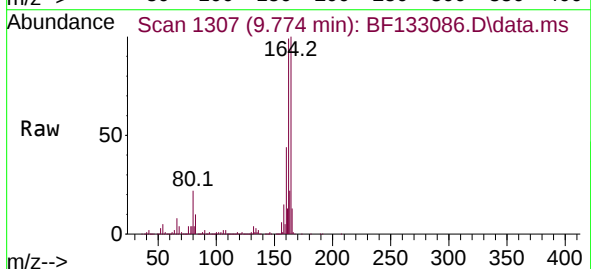
Delta R.T. -0.000 min

Lab File: BF133086.D

Acq: 27 Apr 2023 02:07

Tgt Ion:164 Resp: 605907

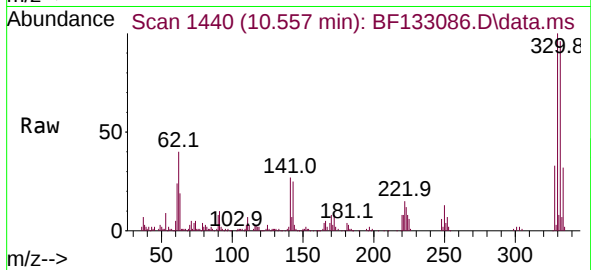
Ion	Ratio	Lower	Upper
164	100		
162	99.4	78.7	118.1
160	44.1	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 10.743 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

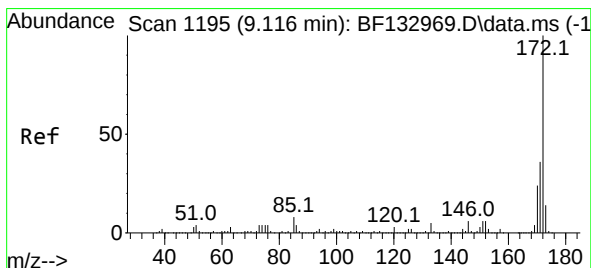
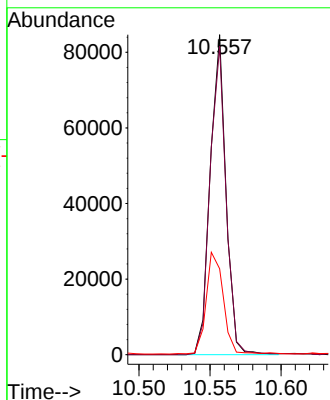
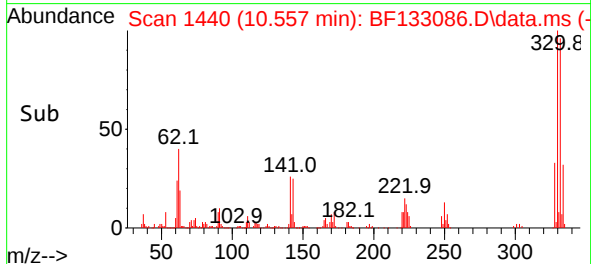
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18



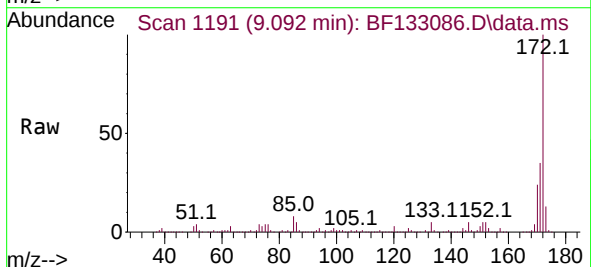
Tgt Ion: 330 Resp: 65464
Ion Ratio Lower Upper
330 100
332 98.5 77.1 115.7
141 34.6 25.8 38.8

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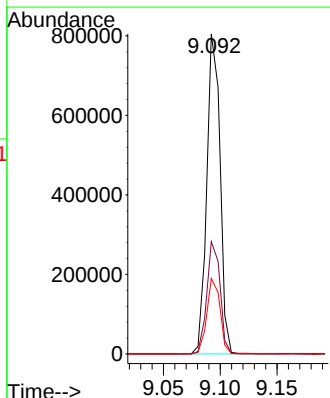
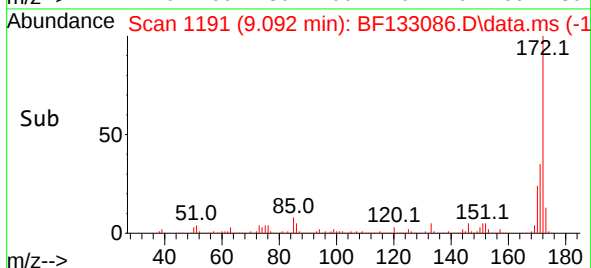
Reviewed By : Christian Giraldo 04/27/2023
Supervised By : Jagrut Upadhyay 04/27/2023

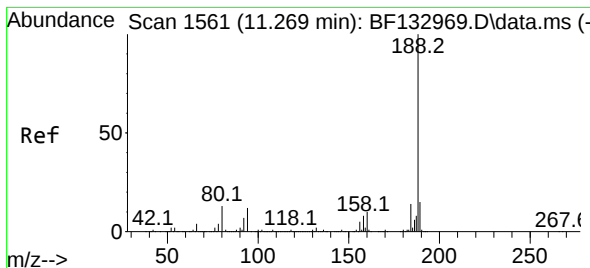


#45
2-Fluorobiphenyl
Concen: 18.054 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07



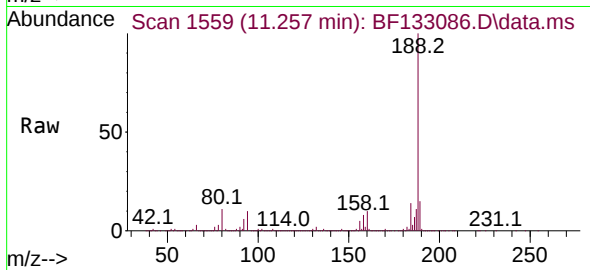
Tgt Ion: 172 Resp: 653847
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.5 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

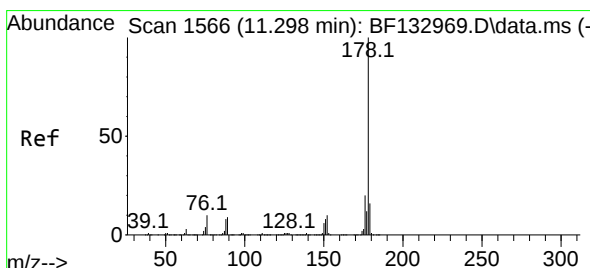
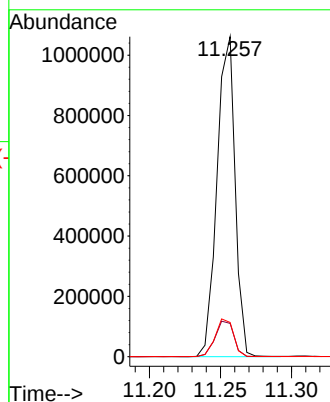
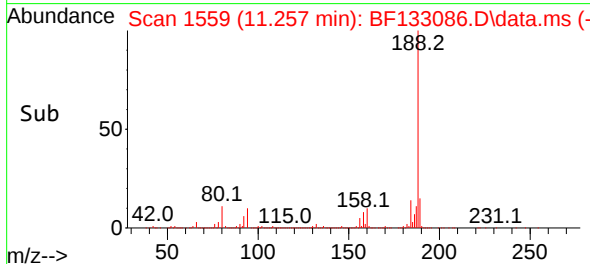
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18



Tgt Ion:188 Resp: 937892
Ion Ratio Lower Upper
188 100
94 10.4 9.7 14.5
80 10.7 10.4 15.6

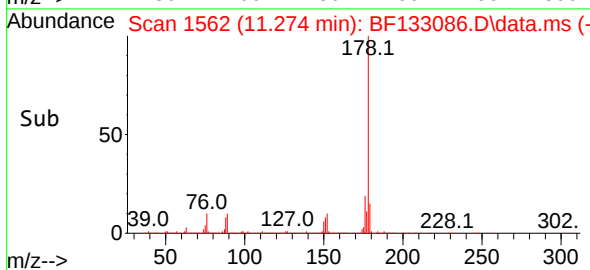
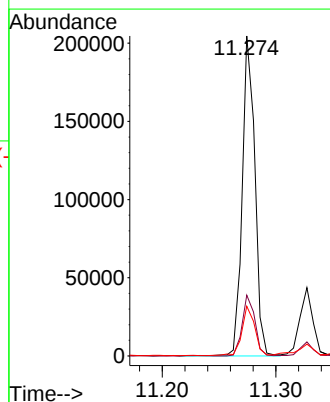
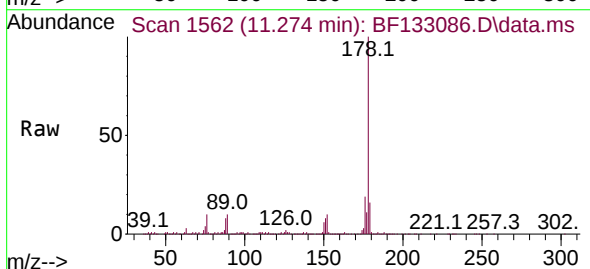
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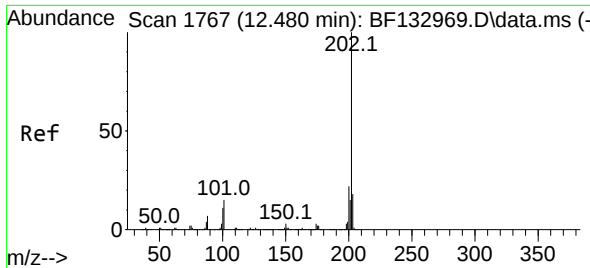
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#71
Phenanthrene
Concen: 3.139 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

Tgt Ion:178 Resp: 158228
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.5 12.5 18.7





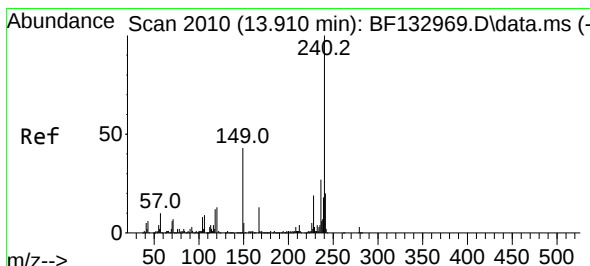
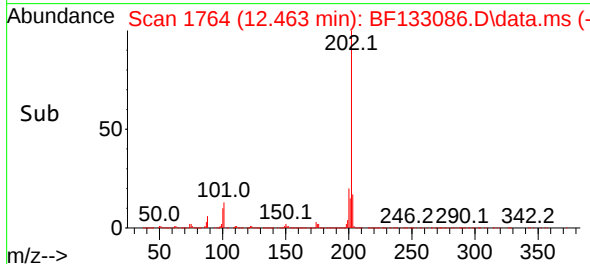
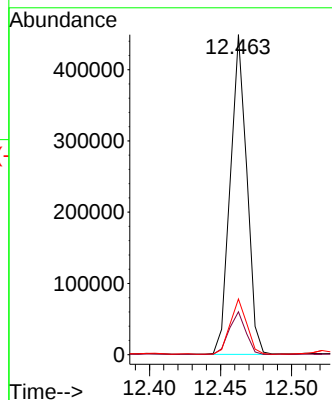
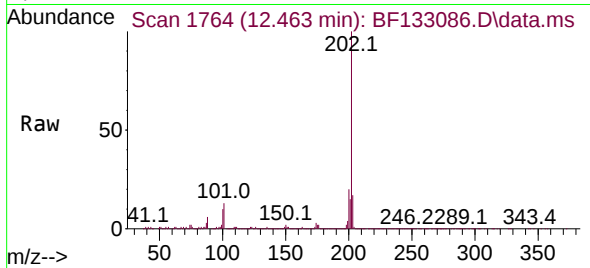
#75
Fluoranthene
Concen: 7.156 ng
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18

Tgt Ion:202 Resp: 36201
Ion Ratio Lower Upper
202 100
101 13.4 0.0 35.3
203 17.4 0.0 38.1

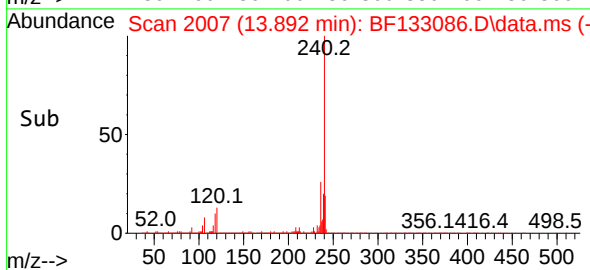
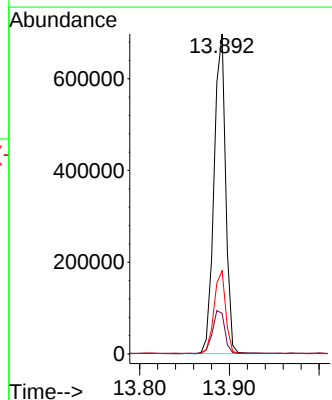
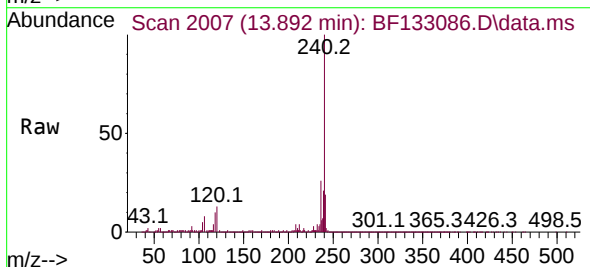
Manual Integrations
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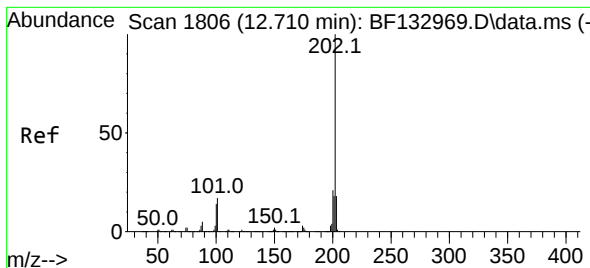
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

Tgt Ion:240 Resp: 625560
Ion Ratio Lower Upper
240 100
120 12.7 10.5 15.7
236 26.0 21.5 32.3





#78

Pyrene

Concen: 6.239 ng

RT: 12.692 min Scan# 1803

Delta R.T. -0.000 min

Lab File: BF133086.D

Acq: 27 Apr 2023 02:07

Instrument :

BNA_F

ClientSampleId :

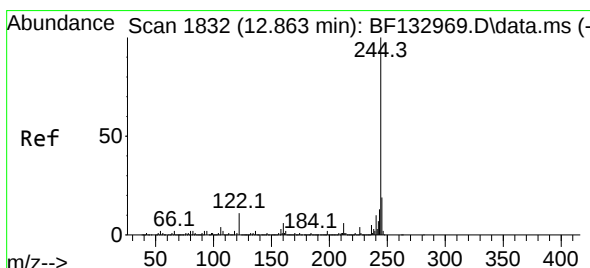
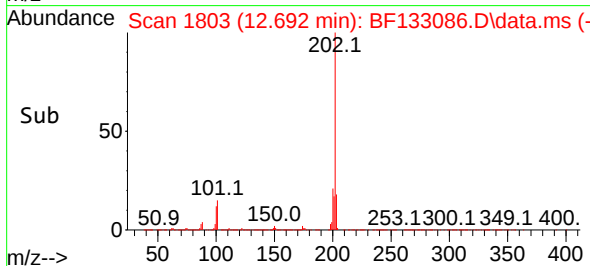
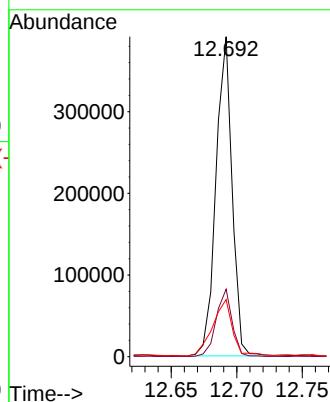
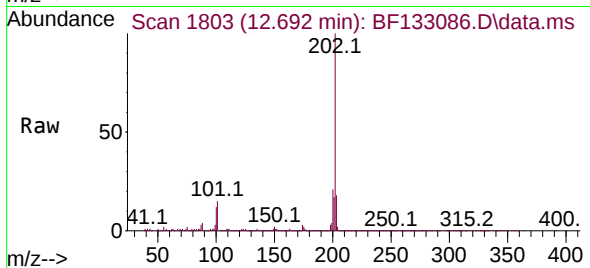
SPD-2WC-23-04-18

Tgt Ion:202 Resp: 33456
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.1 25.7
 203 17.9 14.1 21.1

Manual Integrations

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#79

Terphenyl-d14

Concen: 15.199 ng

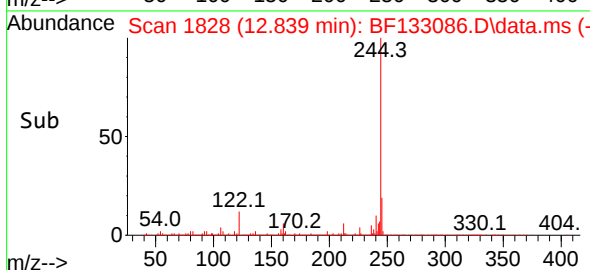
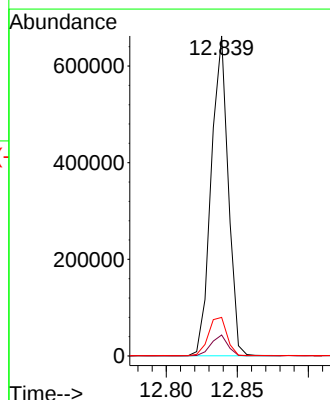
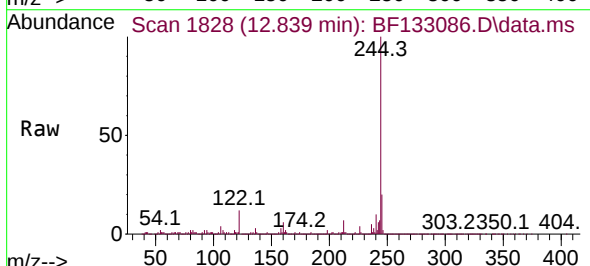
RT: 12.839 min Scan# 1828

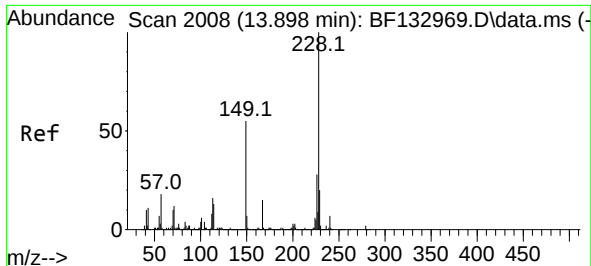
Delta R.T. -0.000 min

Lab File: BF133086.D

Acq: 27 Apr 2023 02:07

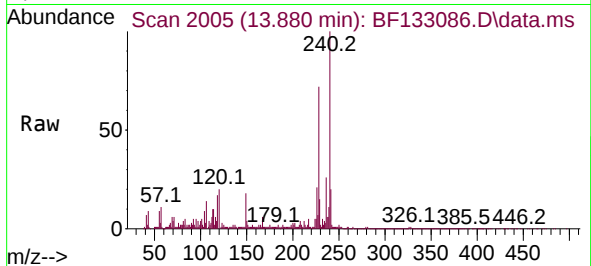
Tgt Ion:244 Resp: 551272
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 12.1 8.6 13.0





#81
Benzo(a)anthracene
Concen: 3.342 ng
RT: 13.880 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

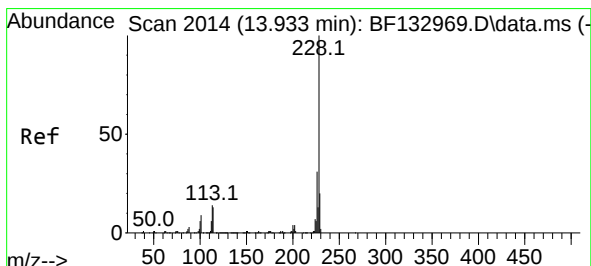
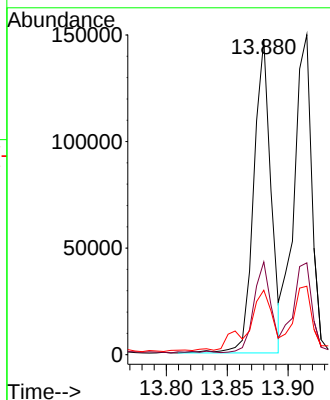
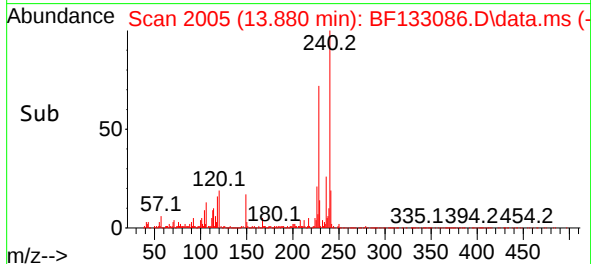
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18



Tgt Ion:228 Resp: 143754
Ion Ratio Lower Upper
228 100
226 29.4 22.2 33.4
229 20.5 16.0 24.0

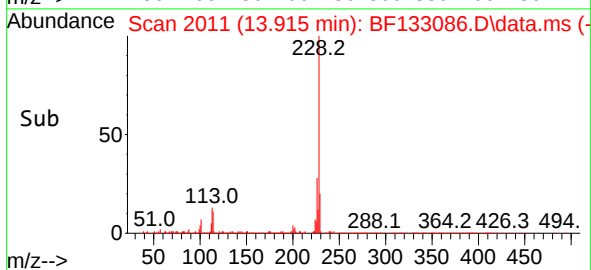
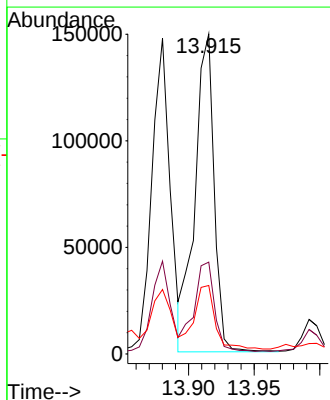
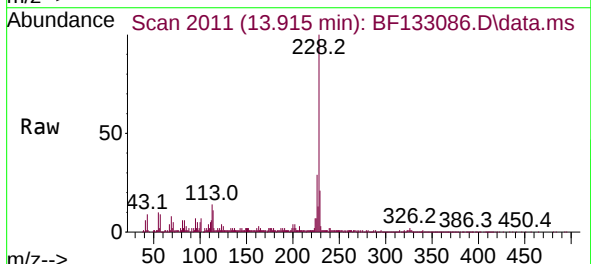
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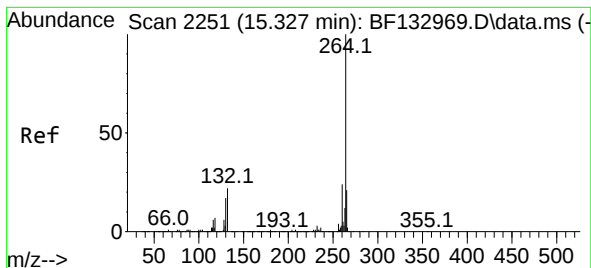
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#83
Chrysene
Concen: 3.543 ng
RT: 13.915 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

Tgt Ion:228 Resp: 152379
Ion Ratio Lower Upper
228 100
226 28.7 24.7 37.1
229 21.4 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.315 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133086.D

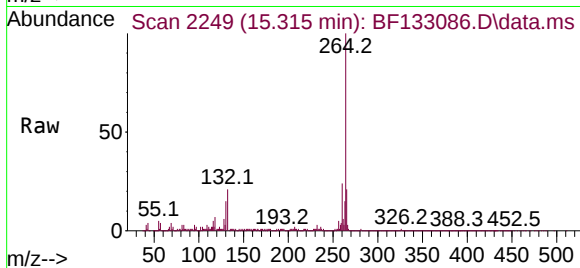
Acq: 27 Apr 2023 02:07

Instrument :

BNA_F

ClientSampleId :

SPD-2WC-23-04-18



Tgt Ion:264 Resp: 512270

Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

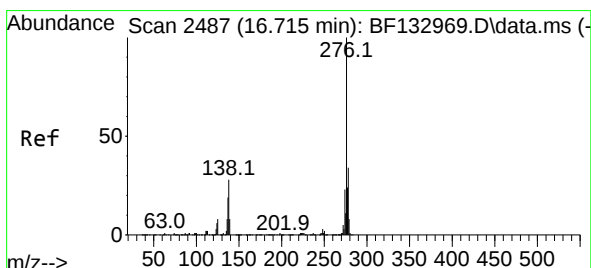
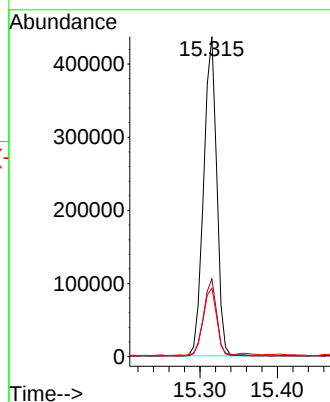
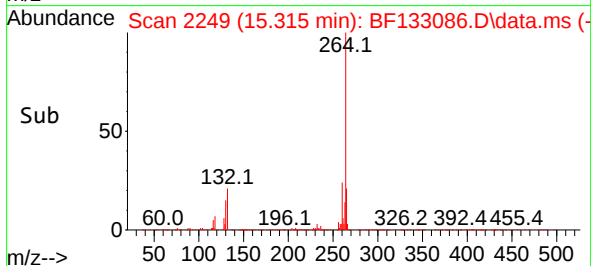
265 21.4 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.044 ng

RT: 16.686 min Scan# 2482

Delta R.T. -0.000 min

Lab File: BF133086.D

Acq: 27 Apr 2023 02:07

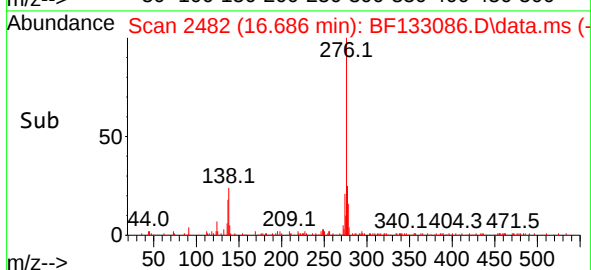
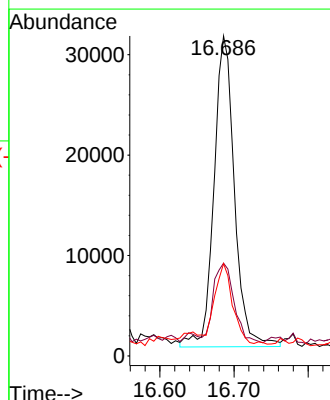
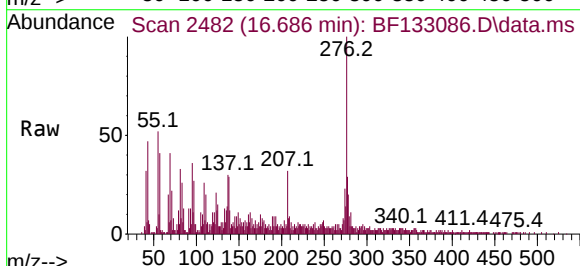
Tgt Ion:276 Resp: 59563

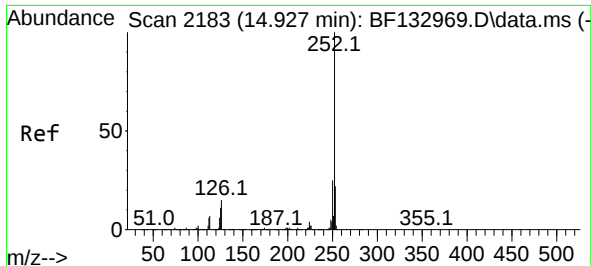
Ion Ratio Lower Upper

276 100

138 25.9 25.5 38.3

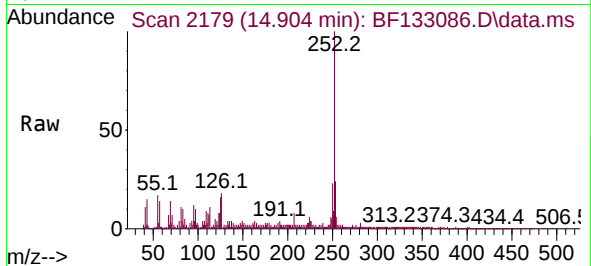
277 23.0 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 4.751 ng m
RT: 14.904 min Scan# 2183
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

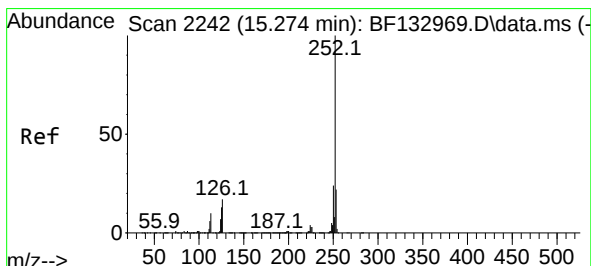
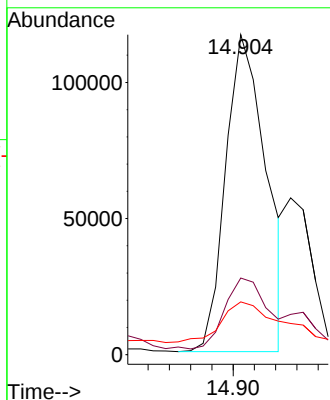
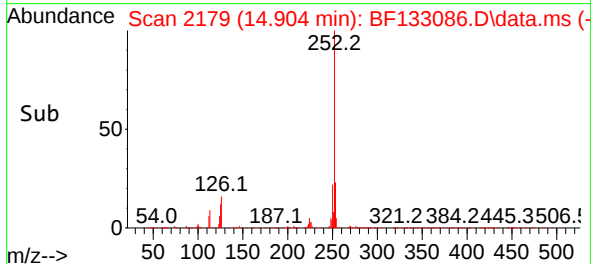
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18



Tgt Ion:252 Resp: 15484
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 16.5 8.9 13.3

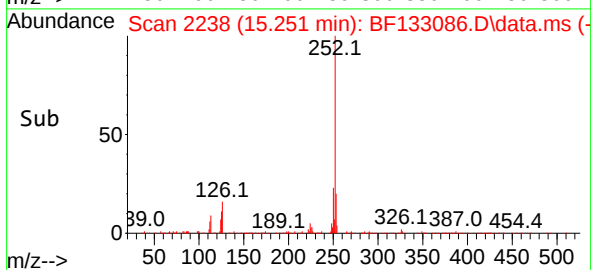
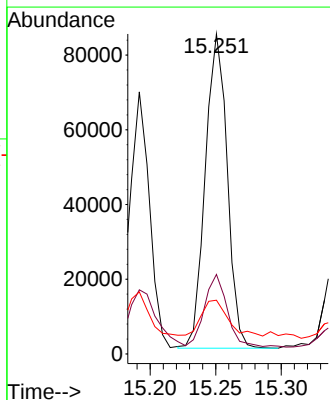
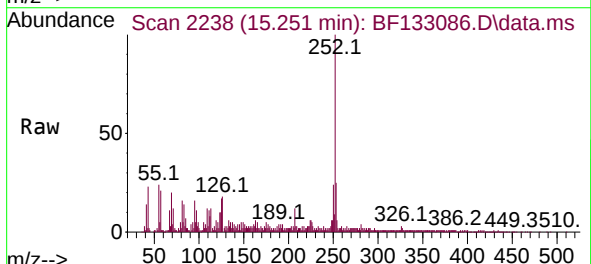
Manual Integrations
APPROVED

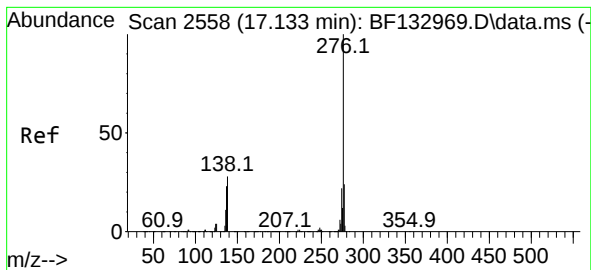
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#90
Benzo(a)pyrene
Concen: 3.302 ng
RT: 15.251 min Scan# 2238
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

Tgt Ion:252 Resp: 97945
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 16.8 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 2.326 ng

RT: 17.103 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133086.D

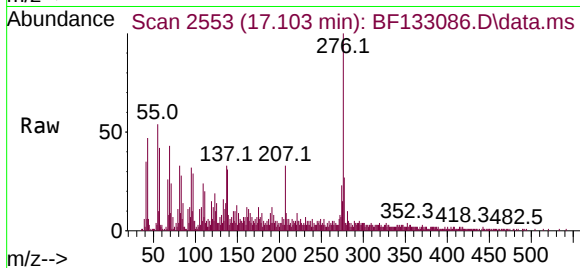
Acq: 27 Apr 2023 02:07

Instrument :

BNA_F

ClientSampleId :

SPD-2WC-23-04-18



Tgt Ion: 276 Resp: 5580

Ion Ratio Lower Upper

276 100

277 26.7 19.4 29.0

138 30.8 22.7 34.1

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 04/27/2023

Supervised By : Jagrut Upadhyay 04/27/2023

