

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132637.D
 Acq On : 03 Mar 2023 19:42
 Operator : CG\JU
 Sample : 01767-11DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CE-63-030123DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/06/2023
 Supervised By : Jagrut Upadhyay 03/06/2023

Quant Time: Mar 04 02:20:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	161071	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	525483	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	231976	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	434731	20.000	ng	0.00
76) Chrysene-d12	14.204	240	438614	20.000	ng	# 0.00
86) Perylene-d12	15.763	264	400691	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	204814	20.637	ng	-0.01
7) Phenol-d6	6.616	99	248527	19.188	ng	-0.02
23) Nitrobenzene-d5	7.557	82	132508	11.964	ng	-0.01
42) 2,4,6-Tribromophenol	10.839	330	41861	16.709	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	225660	14.812	ng	-0.01
79) Terphenyl-d14	13.133	244	267746	10.321	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.569	178	249097	11.061	ng	97
72) Anthracene	11.622	178	78234	3.373	ng	98
75) Fluoranthene	12.769	202	623172	25.311	ng	99
78) Pyrene	12.998	202	668098	16.754	ng	99
81) Benzo(a)anthracene	14.192	228	338006	10.299	ng	97
83) Chrysene	14.233	228	291487	9.498	ng	97
87) Indeno(1,2,3-cd)pyrene	17.357	276	112225	4.274	ng	98
88) Benzo(b)fluoranthene	15.292	252	368941m	13.740	ng	
89) Benzo(k)fluoranthene	15.321	252	100232m	3.814	ng	
90) Benzo(a)pyrene	15.692	252	264188	10.512	ng	97
92) Benzo(g,h,i)perylene	17.845	276	109319	5.984	ng	95

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

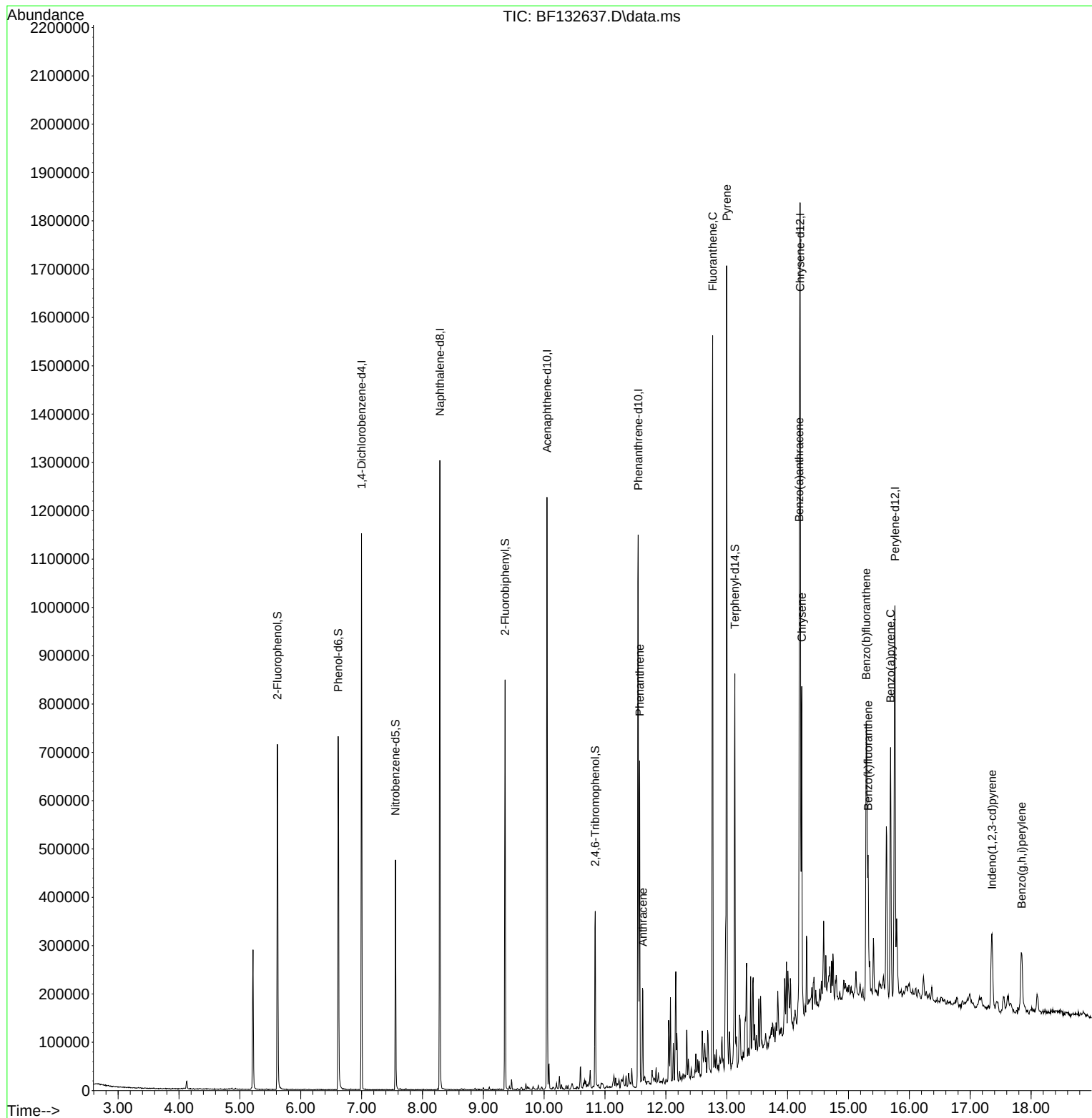
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132637.D
Acq On : 03 Mar 2023 19:42
Operator : CG\JU
Sample : 01767-11DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

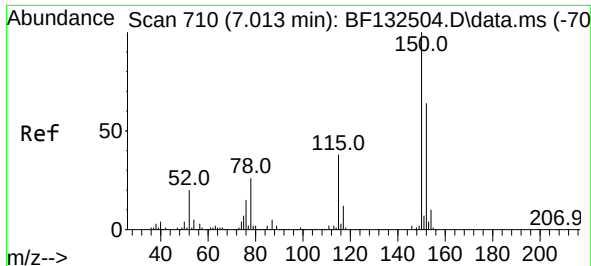
Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL

Quant Time: Mar 04 02:20:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 24 23:17:30 2023
Response via : Initial Calibration

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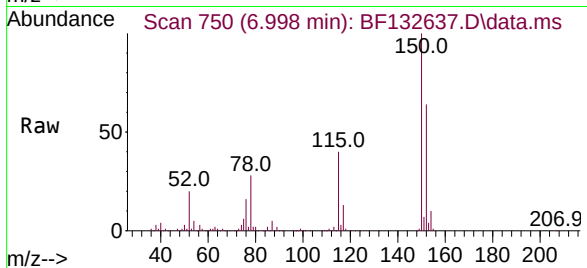
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

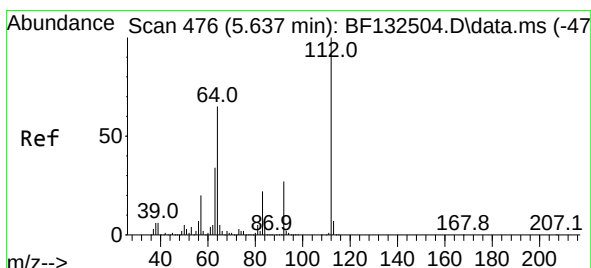
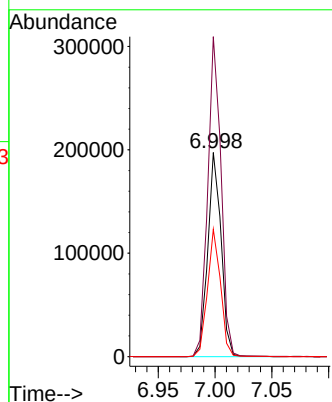
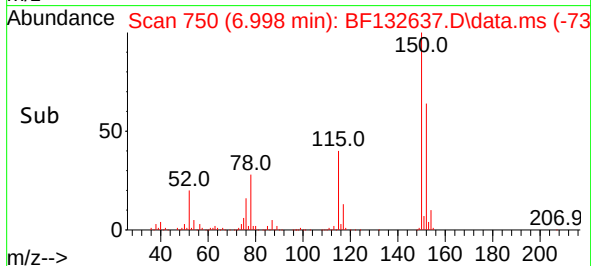
Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL



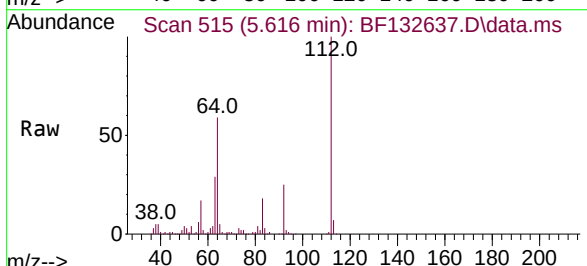
Tgt Ion:152 Resp: 161071
Ion Ratio Lower Upper
152 100
150 156.8 125.4 188.2
115 62.4 47.8 71.6

Manual Integrations
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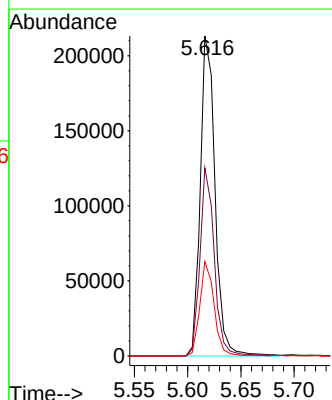
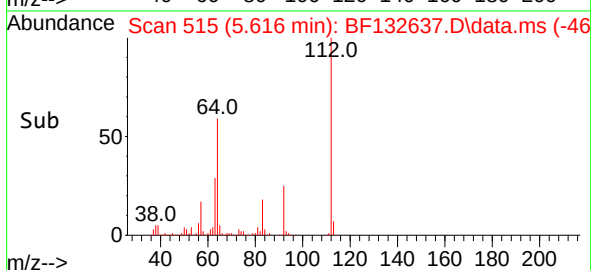
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

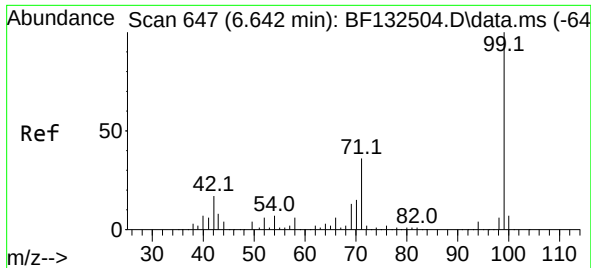


#5
2-Fluorophenol
Concen: 20.637 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.015 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42



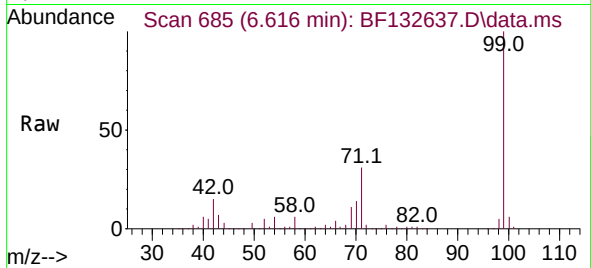
Tgt Ion:112 Resp: 204814
Ion Ratio Lower Upper
112 100
64 58.8 51.6 77.4
63 29.5 27.4 41.2





#7
Phenol-d6
Concen: 19.188 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.020 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

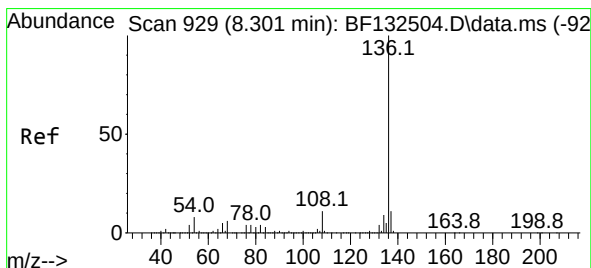
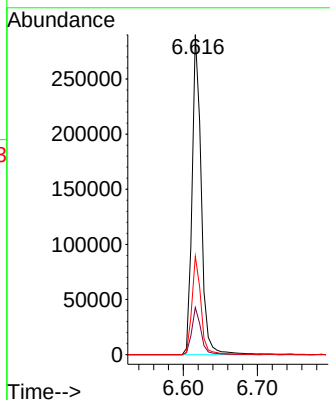
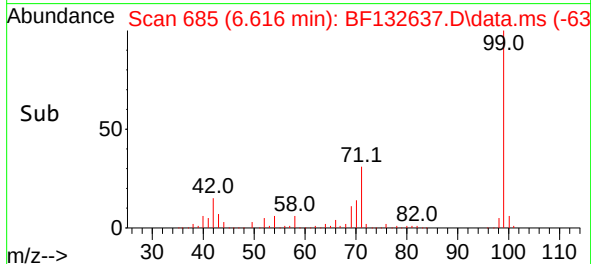
Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL



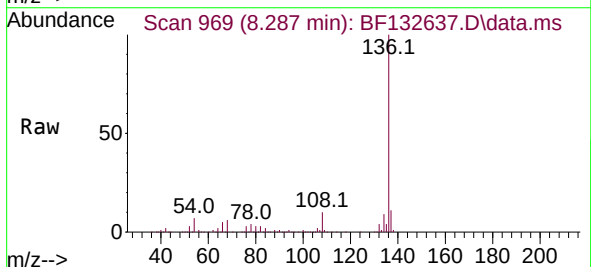
Tgt Ion: 99 Resp: 24852
Ion Ratio Lower Upper
99 100
42 14.7 13.9 20.9
71 30.7 28.5 42.7

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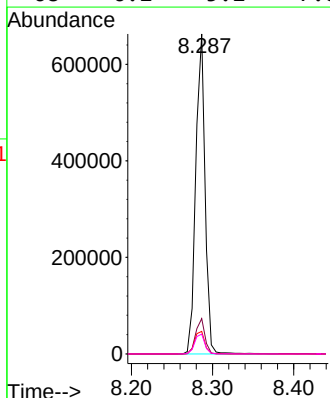
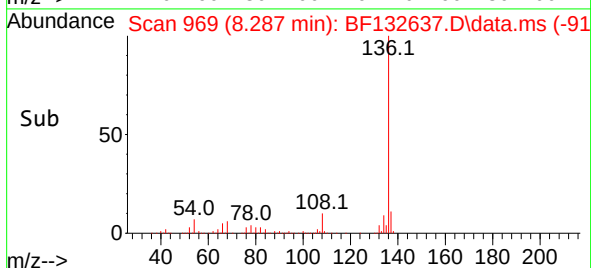
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

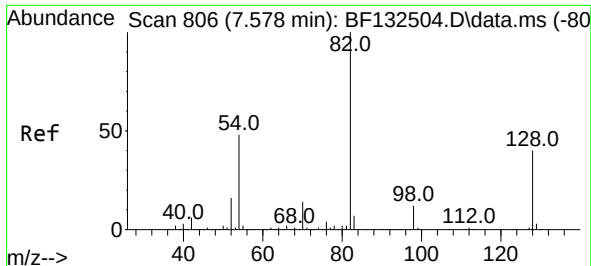


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42



Tgt Ion:136 Resp: 525483
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.0 6.2 9.4
68 6.2 5.2 7.8





#23

Nitrobenzene-d5

Concen: 11.964 ng

RT: 7.557 min Scan# 84

Delta R.T. -0.015 min

Lab File: BF132637.D

Acq: 03 Mar 2023 19:42

Instrument :

BNA_F

ClientSampleId :

CE-63-030123DL

Tgt Ion: 82 Resp: 132508

Ion Ratio Lower Upper

82 100

128 45.6 32.2 48.2

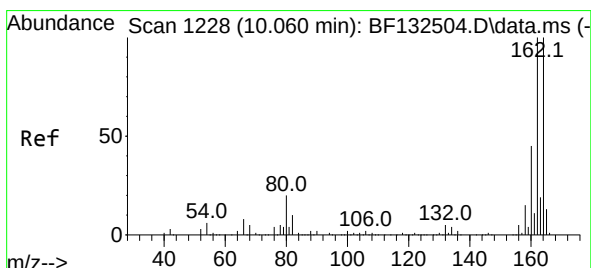
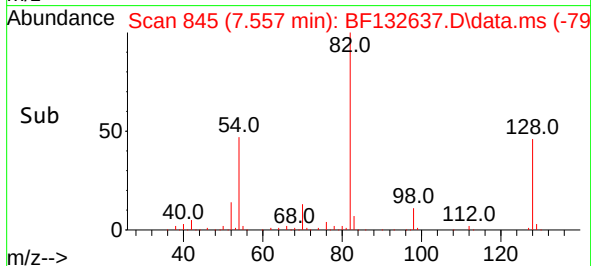
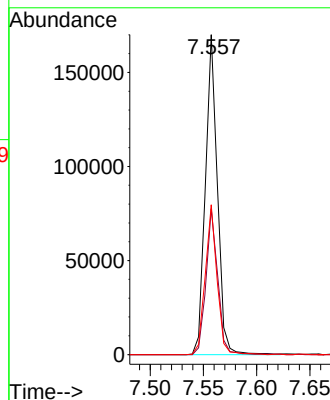
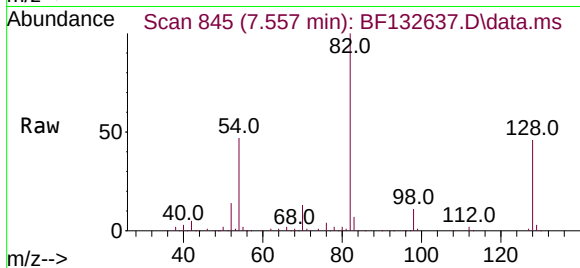
54 46.8 38.4 57.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.045 min Scan# 1268

Delta R.T. -0.009 min

Lab File: BF132637.D

Acq: 03 Mar 2023 19:42

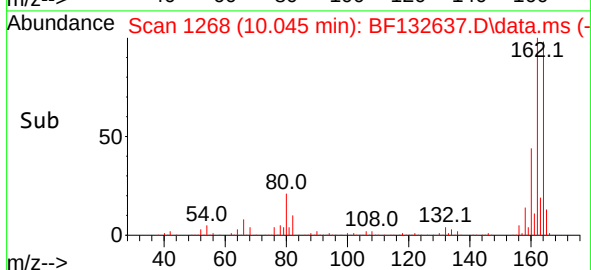
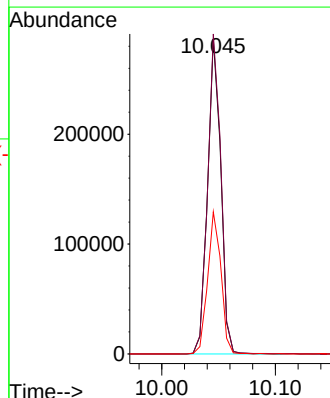
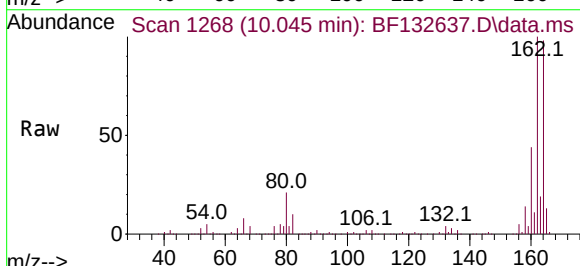
Tgt Ion:164 Resp: 231976

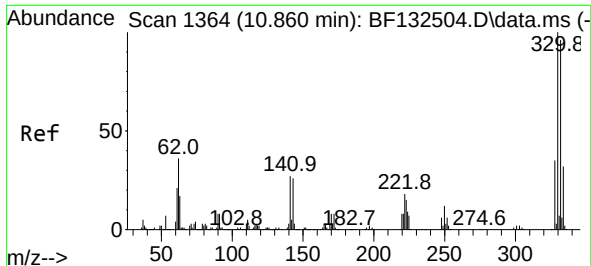
Ion Ratio Lower Upper

164 100

162 101.6 79.8 119.8

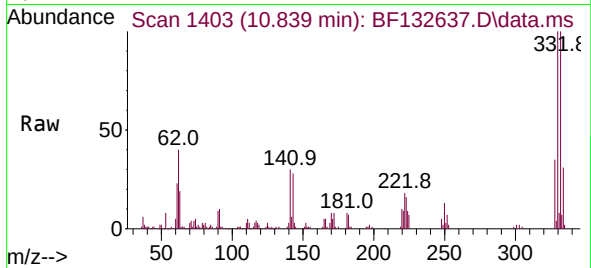
160 45.1 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 16.709 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

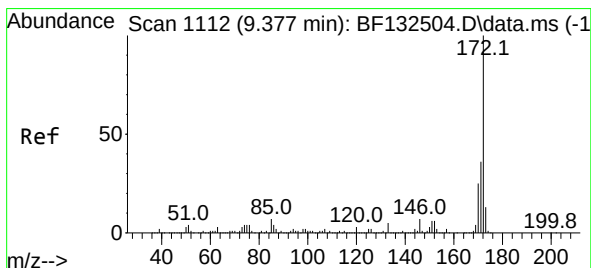
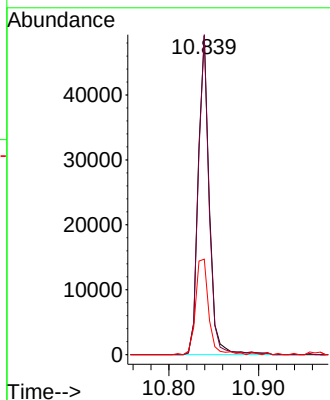
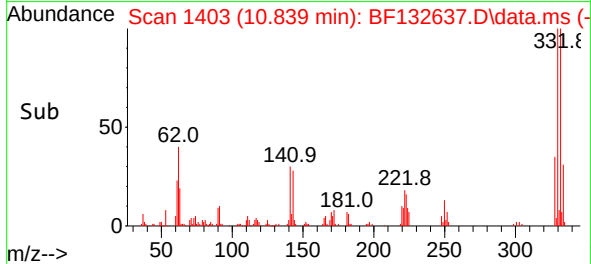
Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL



Tgt Ion: 330 Resp: 41861
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 35.6 28.4 42.6

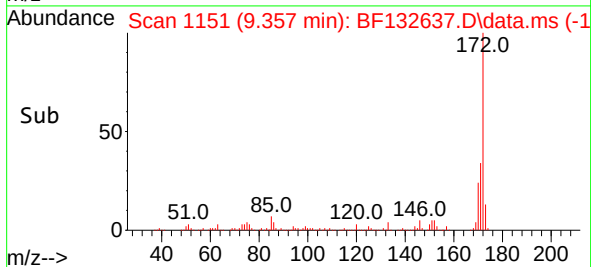
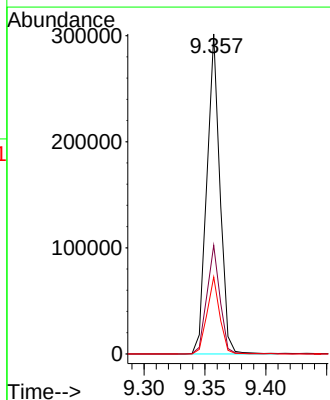
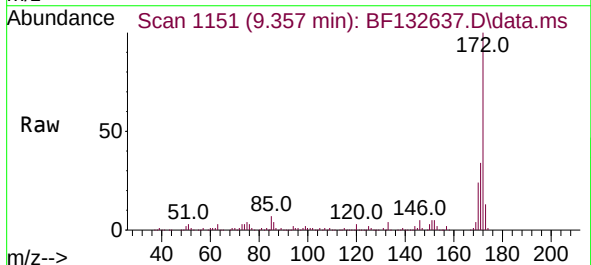
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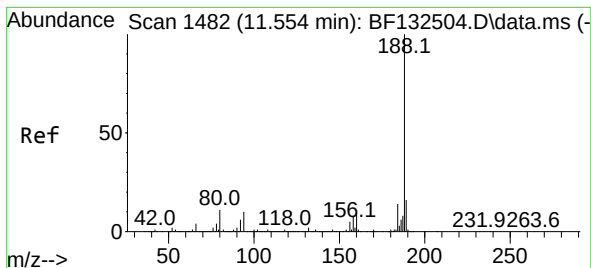
Reviewed By : Christian Giraldo 03/06/2023
Supervised By : Jagrut Upadhyay 03/06/2023



#45
2-Fluorobiphenyl
Concen: 14.812 ng
RT: 9.357 min Scan# 1151
Delta R.T. -0.015 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

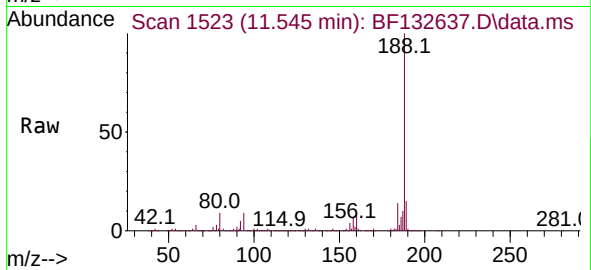
Tgt Ion: 172 Resp: 225660
Ion Ratio Lower Upper
172 100
171 33.9 28.8 43.2
170 24.0 19.7 29.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

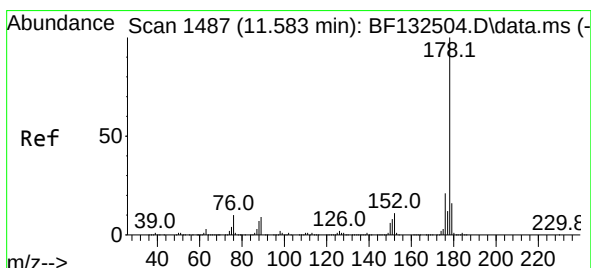
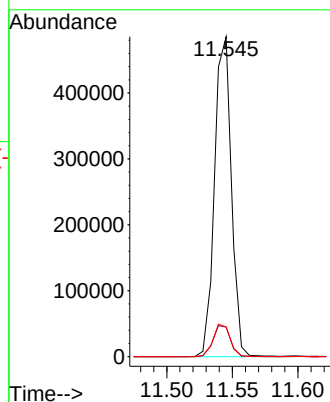
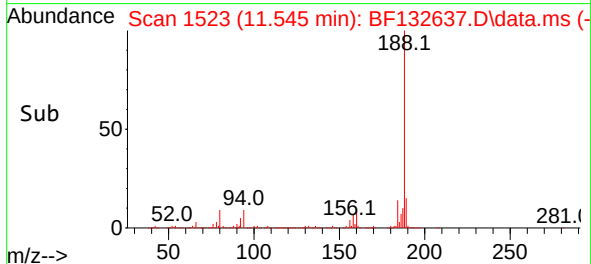
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ClientSampleId :
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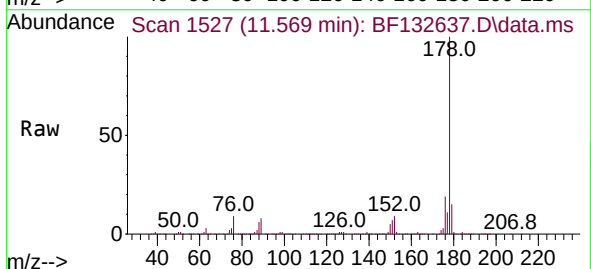
Tgt Ion:188 Resp: 434731
Ion Ratio Lower Upper
188 100
94 9.2 8.3 12.5
80 9.3 8.7 13.1

Manual Integrations
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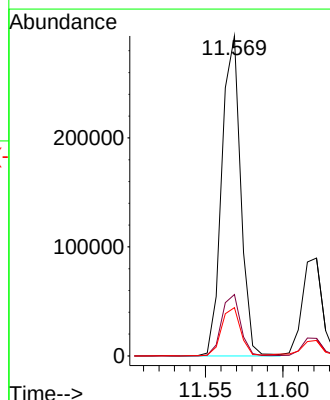
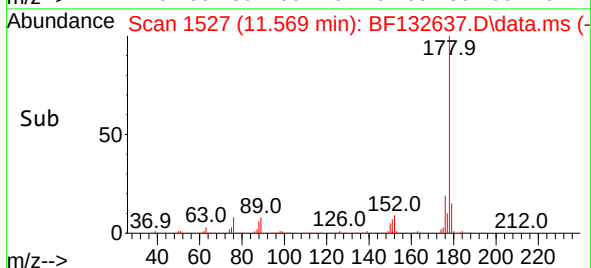
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

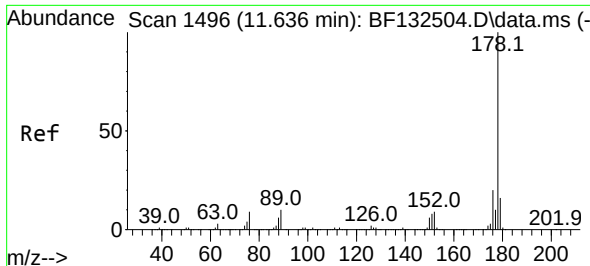


#71
Phenanthrene
Concen: 11.061 ng
RT: 11.569 min Scan# 1527
Delta R.T. -0.009 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42



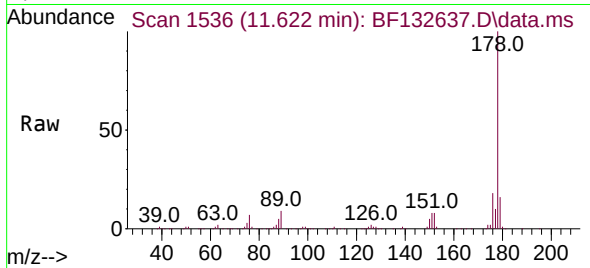
Tgt Ion:178 Resp: 249097
Ion Ratio Lower Upper
178 100
176 19.2 16.5 24.7
179 15.1 13.0 19.6





#72
 Anthracene
 Concen: 3.373 ng
 RT: 11.622 min Scan# 11622
 Delta R.T. -0.009 min
 Lab File: BF132637.D
 Acq: 03 Mar 2023 19:42

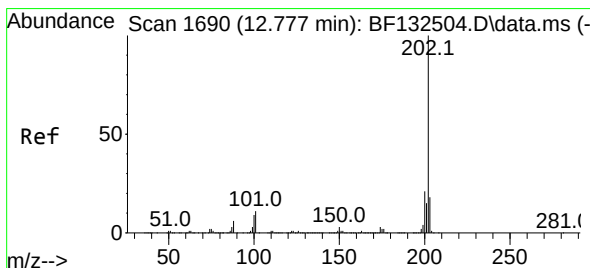
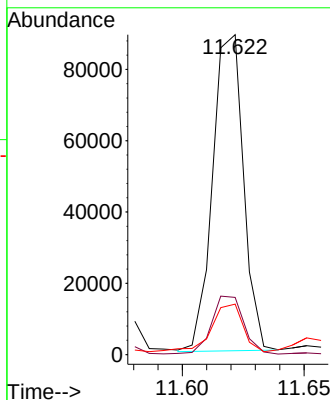
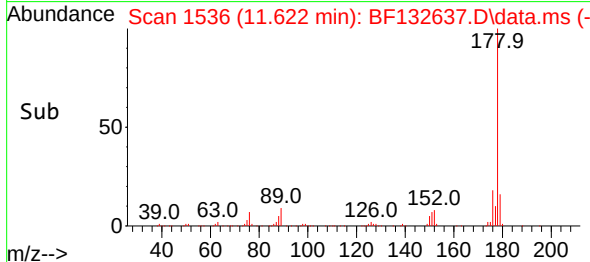
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 BNA_F
 ClientSampleId :
 CE-63-030123DL



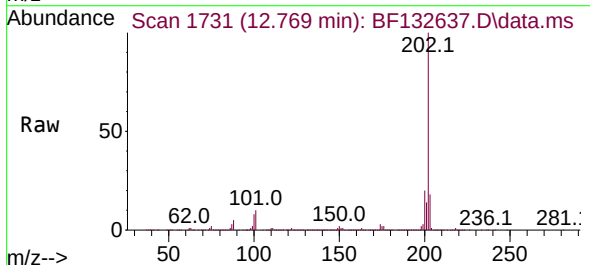
Tgt Ion:178 Resp: 78234
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.6 23.4
 179 15.8 12.5 18.7

Manual Integrations
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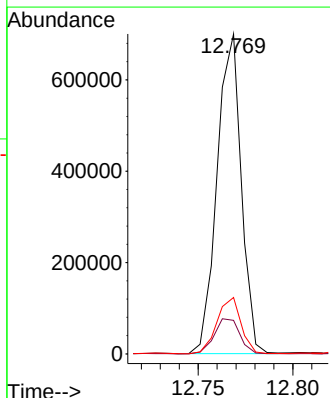
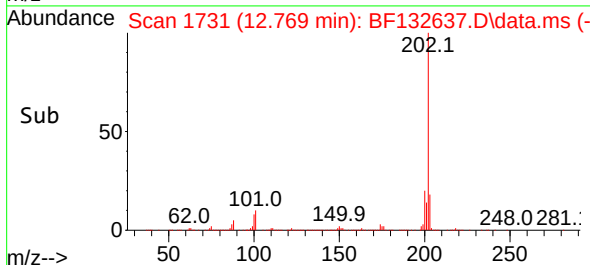
Reviewed By :Christian Giraldo 03/06/2023
 Supervised By :Jagrut Upadhyay 03/06/2023

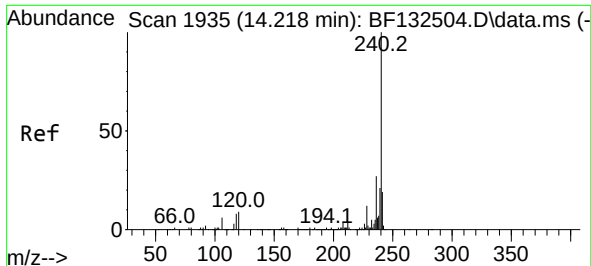


#75
 Fluoranthene
 Concen: 25.311 ng
 RT: 12.769 min Scan# 1731
 Delta R.T. -0.003 min
 Lab File: BF132637.D
 Acq: 03 Mar 2023 19:42



Tgt Ion:202 Resp: 623172
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.4
 203 17.6 0.0 38.0





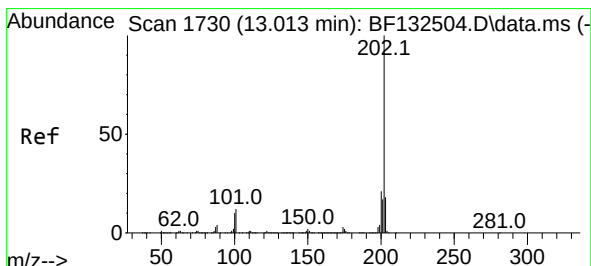
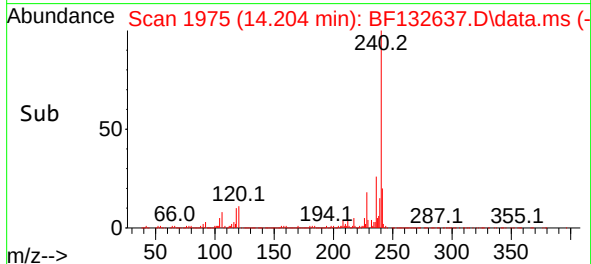
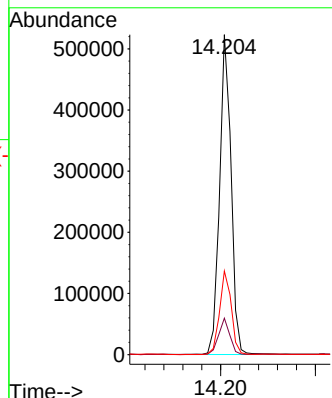
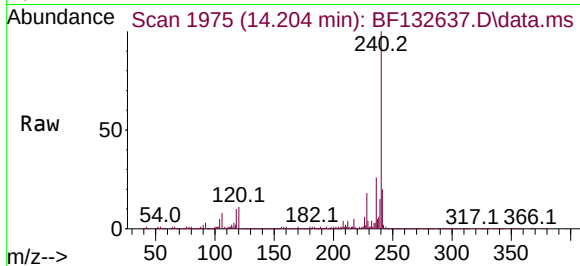
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL

Tgt Ion:240 Resp: 438614
Ion Ratio Lower Upper
240 100
120 11.4 7.2 10.8
236 26.1 21.8 32.6

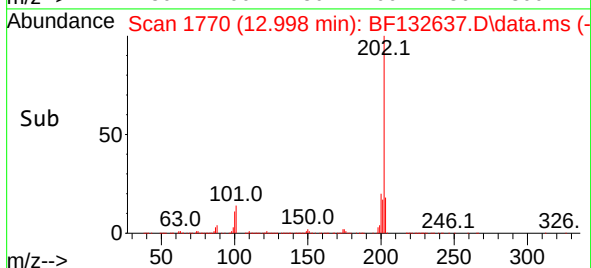
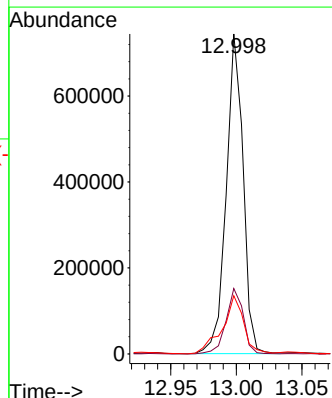
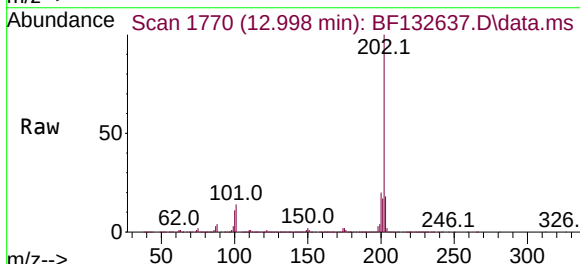
Manual Integrations
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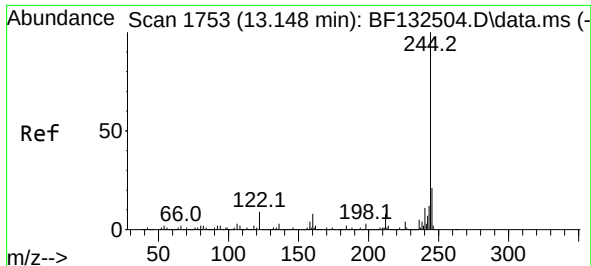
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#78
Pyrene
Concen: 16.754 ng
RT: 12.998 min Scan# 1770
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Tgt Ion:202 Resp: 668098
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 18.2 14.6 21.8





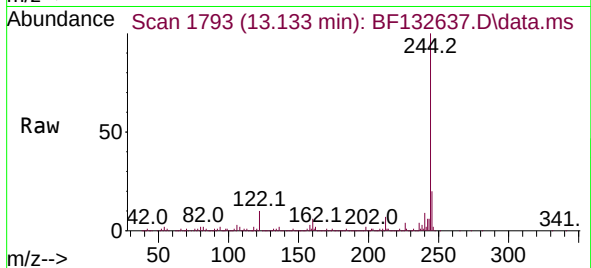
#79
Terphenyl-d14
Concen: 10.321 ng
RT: 13.133 min Scan# 1753
Delta R.T. -0.009 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Instrument :

BNA_F

ClientSampleId :

CE-63-030123DL

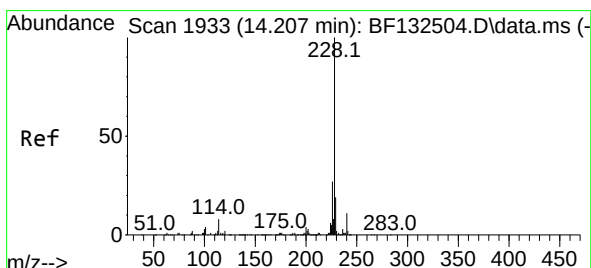
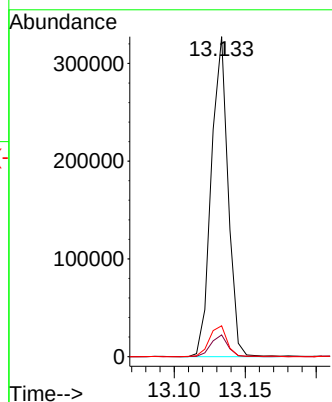
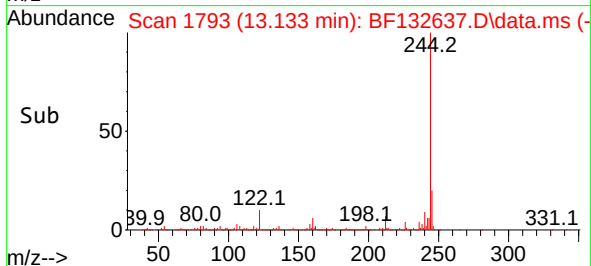


Tgt Ion:244 Resp: 267746
Ion Ratio Lower Upper
244 100
212 6.8 6.5 9.7
122 9.6 7.5 11.3

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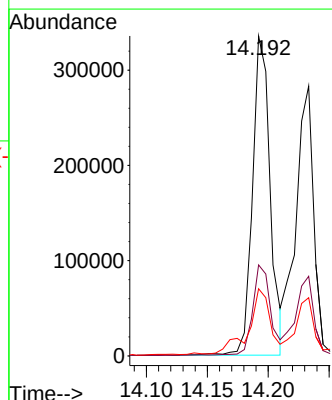
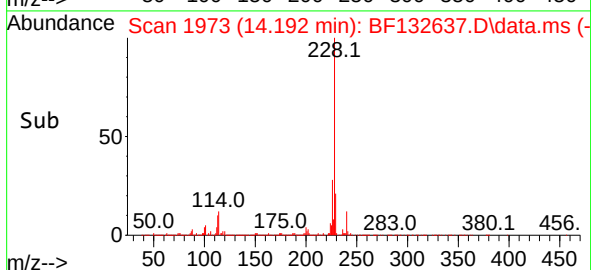
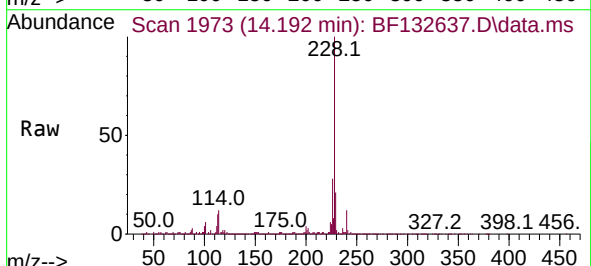
APPROVED

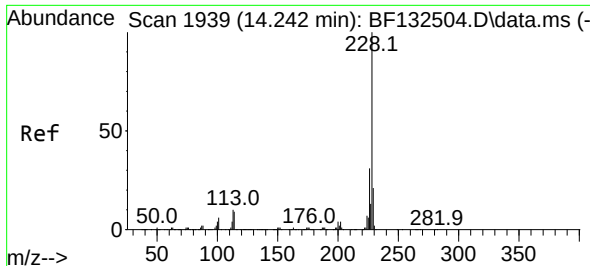
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#81
Benzo(a)anthracene
Concen: 10.299 ng
RT: 14.192 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

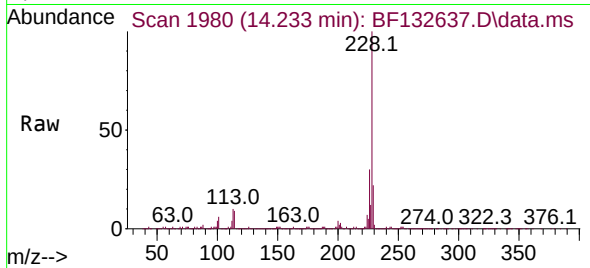
Tgt Ion:228 Resp: 338006
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 21.0 15.4 23.2





#83
Chrysene
Concen: 9.498 ng
RT: 14.233 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

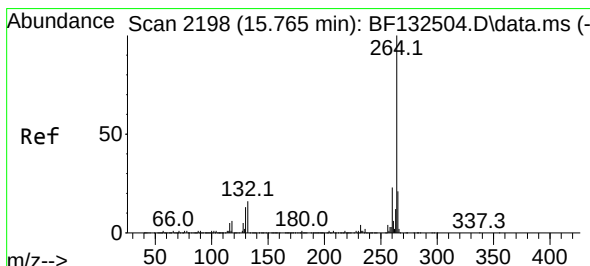
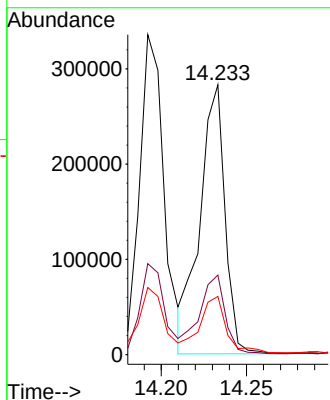
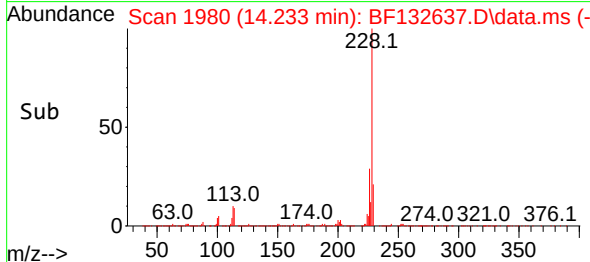
Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL



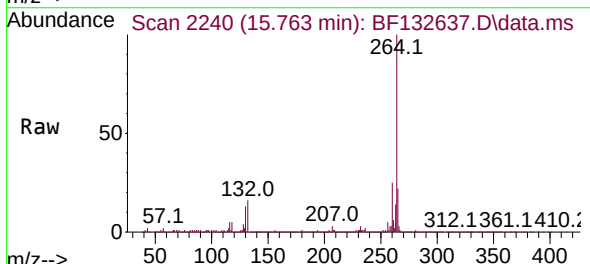
Tgt Ion:228 Resp: 291487
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 21.5 16.4 24.6

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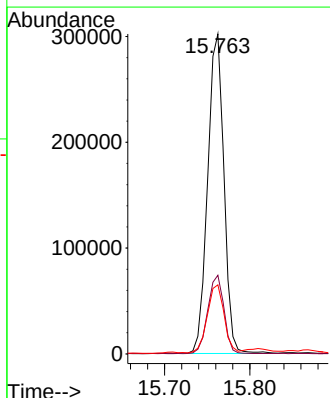
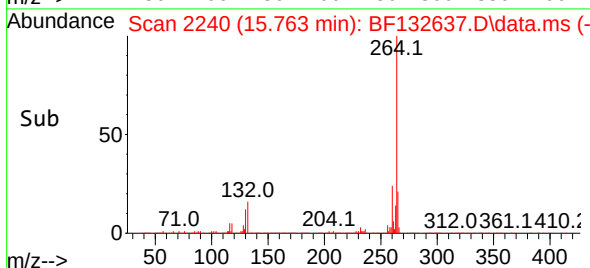
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

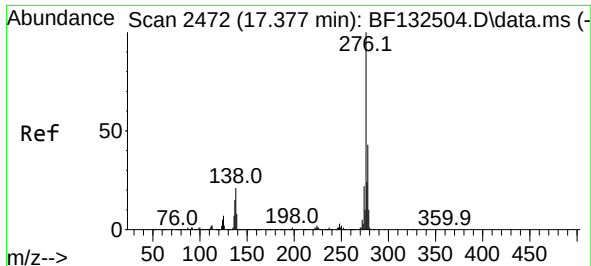


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.763 min Scan# 2240
Delta R.T. 0.009 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42



Tgt Ion:264 Resp: 400691
Ion Ratio Lower Upper
264 100
260 24.6 18.8 28.2
265 21.6 17.1 25.7





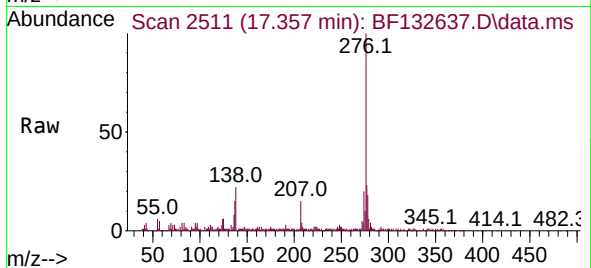
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.274 ng
RT: 17.357 min Scan# 211
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Instrument :

BNA_F

ClientSampleId :

CE-63-030123DL

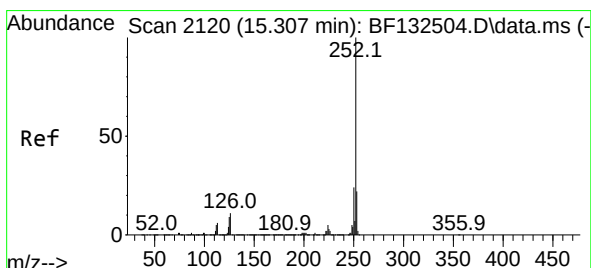
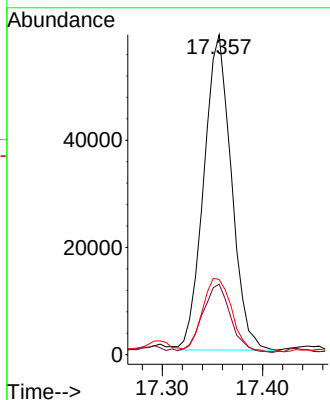
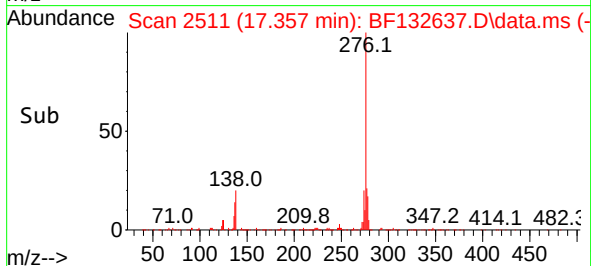


Tgt Ion:276 Resp: 112225
Ion Ratio Lower Upper
276 100
138 22.1 19.0 28.4
277 24.5 20.0 30.0

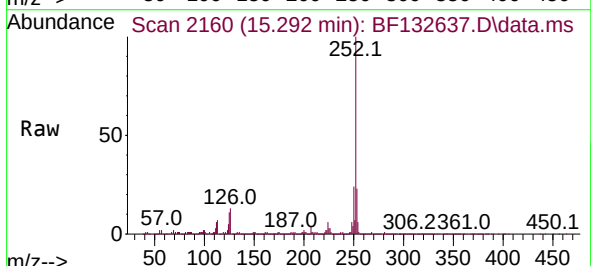
Manual Integrations

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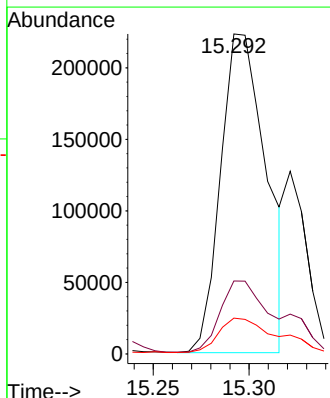
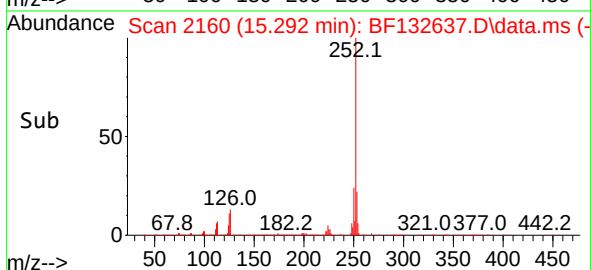
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

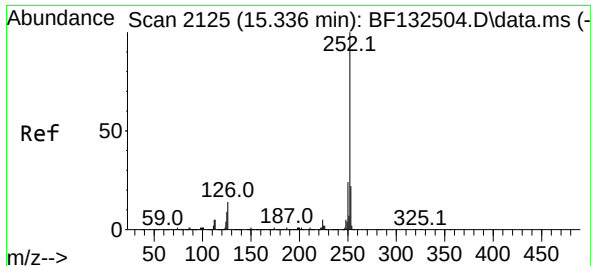


#88
Benzo(b)fluoranthene
Concen: 13.740 ng m
RT: 15.292 min Scan# 2160
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42



Tgt Ion:252 Resp: 368941
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 11.2 7.0 10.6#





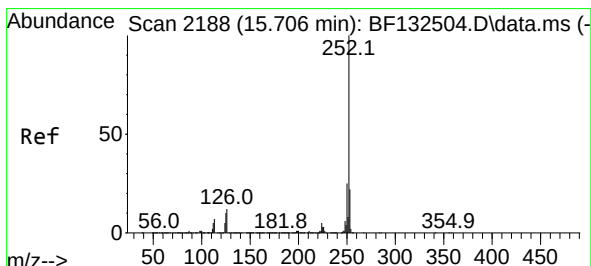
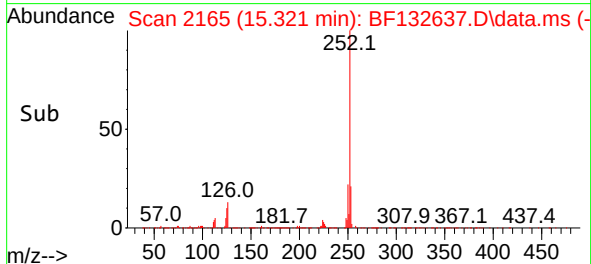
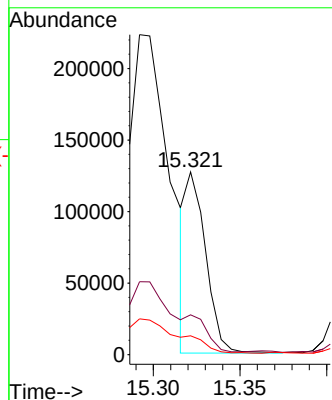
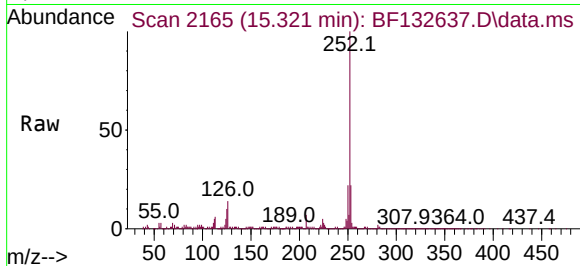
#89
Benzo(k)fluoranthene
Concen: 3.814 ng m
RT: 15.321 min Scan# 2125
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL

Tgt Ion:252 Resp: 100232
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 10.3 7.2 10.8

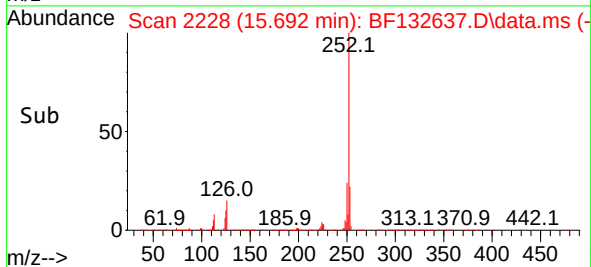
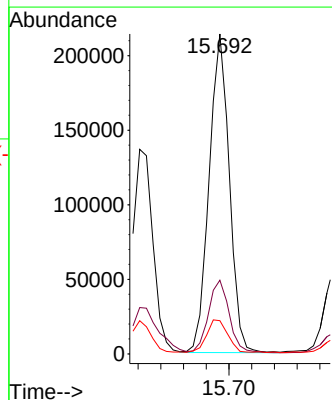
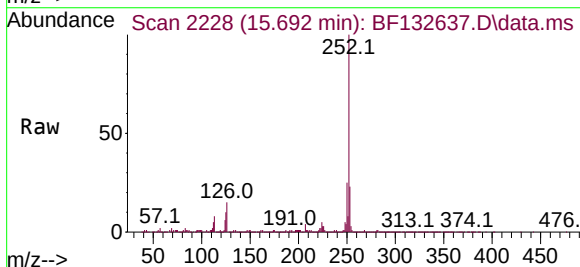
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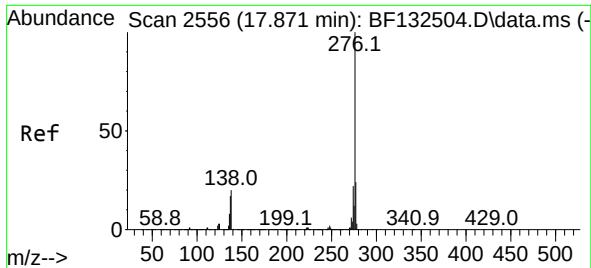
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#90
Benzo(a)pyrene
Concen: 10.512 ng
RT: 15.692 min Scan# 2228
Delta R.T. 0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

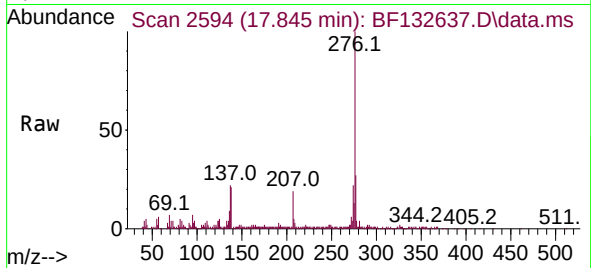
Tgt Ion:252 Resp: 264188
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 10.4 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 5.984 ng
 RT: 17.845 min Scan# 2594
 Delta R.T. -0.009 min
 Lab File: BF132637.D
 Acq: 03 Mar 2023 19:42

Instrument :
 BNA_F
 ClientSampleId :
 CE-63-030123DL



Tgt Ion: 276 Resp: 109319

Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.9	28.3
138	21.4	16.2	24.4

Manual Integrations
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Reviewed By : Christian Giraldo 03/06/2023
 Supervised By : Jagrut Upadhyay 03/06/2023

