

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020823\
 Data File : BF132357.D
 Acq On : 08 Feb 2023 15:14
 Operator : CG\JU
 Sample : 01481-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-39-020723

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/09/2023
 Supervised By : Jagrut Upadhyay 02/09/2023

Quant Time: Feb 09 01:58:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 09 01:56:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.048	152	169927	20.000	ng	0.00
21) Naphthalene-d8	8.331	136	647035	20.000	ng	0.00
39) Acenaphthene-d10	10.095	164	319236	20.000	ng	0.00
64) Phenanthrene-d10	11.595	188	509262	20.000	ng	0.00
76) Chrysene-d12	14.254	240	283017	20.000	ng	0.00
86) Perylene-d12	15.830	264	255360	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.672	112	1190175	112.583	ng	0.01
7) Phenol-d6	6.666	99	1395989	107.110	ng	0.00
23) Nitrobenzene-d5	7.607	82	838224	72.090	ng	0.00
42) 2,4,6-Tribromophenol	10.889	330	380741	115.977	ng	0.00
45) 2-Fluorobiphenyl	9.407	172	1458811	70.568	ng	0.00
79) Terphenyl-d14	13.183	244	1082122	73.963	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.125	154	72798	3.801	ng	98
55) Dibenzofuran	10.301	168	72450	2.692	ng	92
58) Fluorene	10.642	166	93306	4.505	ng	98
71) Phenanthrene	11.619	178	1074902	40.392	ng	99
72) Anthracene	11.666	178	336488	12.425	ng	98
75) Fluoranthene	12.819	202	1739401	64.050	ng	98
78) Pyrene	13.054	202	1580824	69.446	ng	99
81) Benzo(a)anthracene	14.242	228	916410	46.296	ng	98
83) Chrysene	14.283	228	758594	40.927	ng	98
87) Indeno(1,2,3-cd)pyrene	17.454	276	336702	19.844	ng	# 92
88) Benzo(b)fluoranthene	15.360	252	952983m	58.711	ng	
89) Benzo(k)fluoranthene	15.383	252	272395m	17.581	ng	
90) Benzo(a)pyrene	15.760	252	633625	41.920	ng	98
91) Dibenzo(a,h)anthracene	17.459	278	83188	6.098	ng	93
92) Benzo(g,h,i)perylene	17.948	276	309583	21.967	ng	96

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

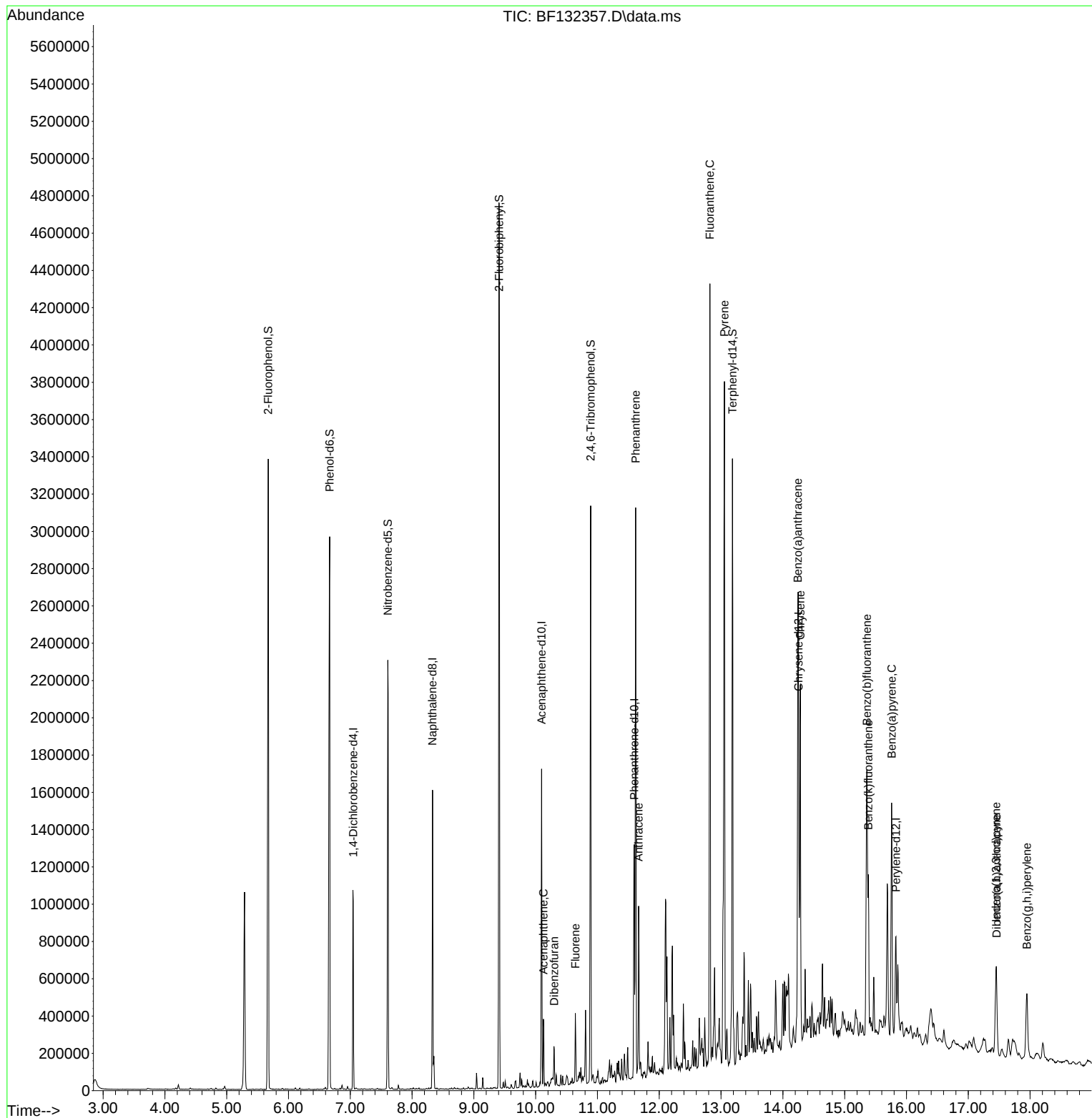
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020823\
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ALS Vial : 5 Sample Multiplier: 1

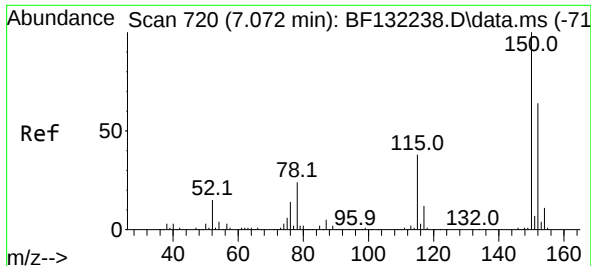
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JPP-39-020723

Quant Time: Feb 09 01:58:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 09 01:56:26 2023
Response via : Initial Calibration

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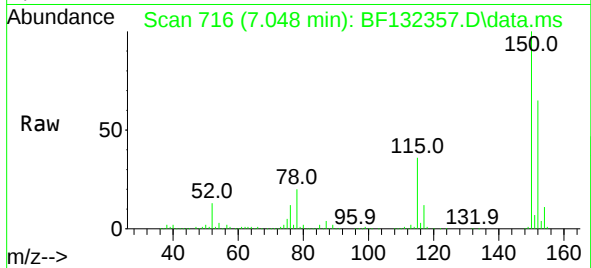
Reviewed By : Christian Giraldo 02/09/2023
Supervised By : Jagrut Upadhyay 02/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.048 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

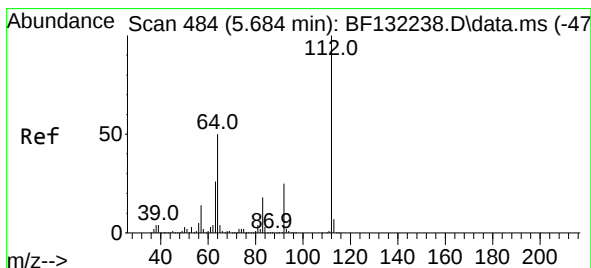
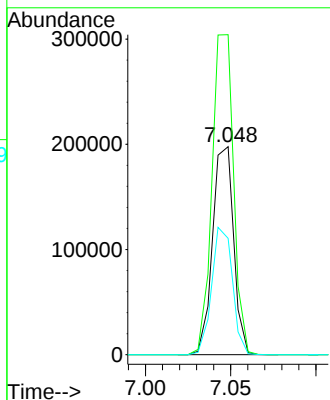
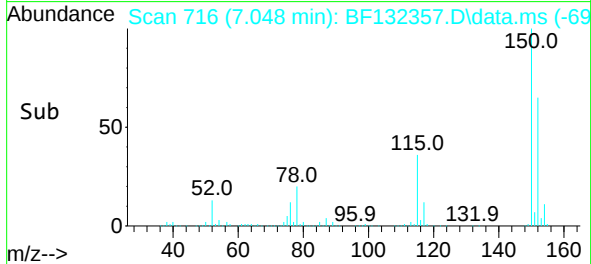
Instrument :
BNA_F
ClientSampleId :
JPP-39-020723



Tgt Ion:152 Resp: 16992
Ion Ratio Lower Upper
152 100
150 153.9 124.2 186.2
115 56.0 47.3 70.9

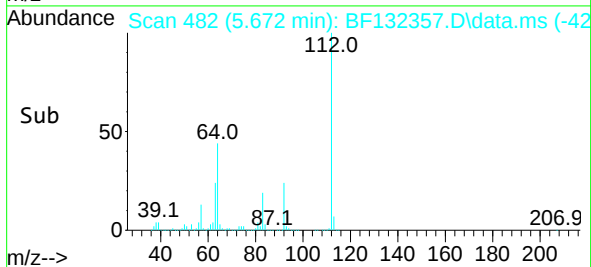
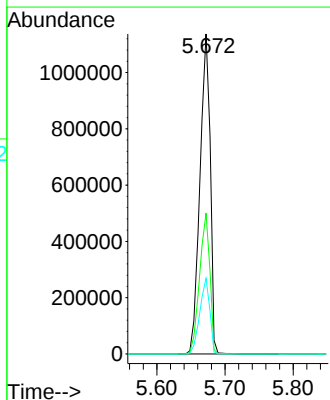
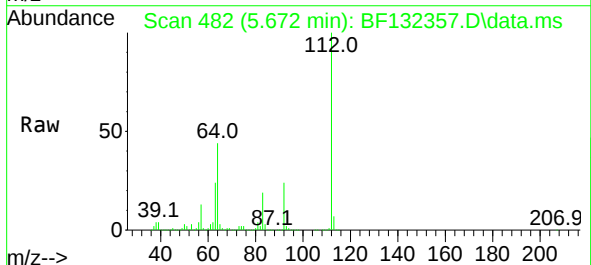
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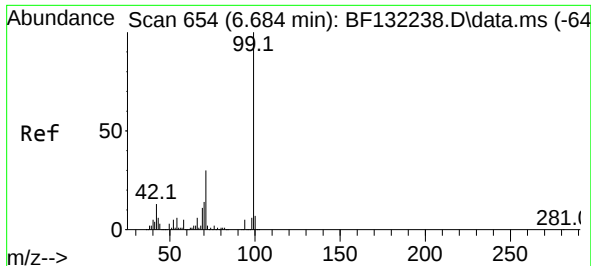
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#5
2-Fluorophenol
Concen: 112.583 ng
RT: 5.672 min Scan# 482
Delta R.T. 0.012 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

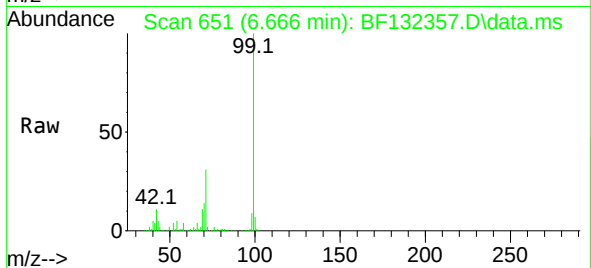
Tgt Ion:112 Resp: 1190175
Ion Ratio Lower Upper
112 100
64 44.0 40.0 60.0
63 23.7 20.5 30.7





#7
Phenol-d6
Concen: 107.110 ng
RT: 6.666 min Scan# 61
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

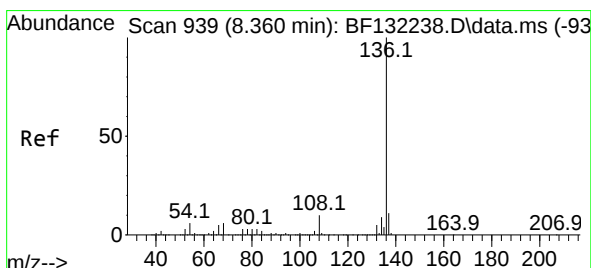
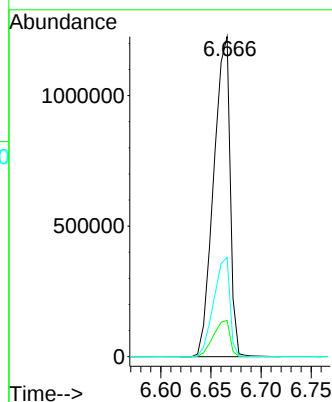
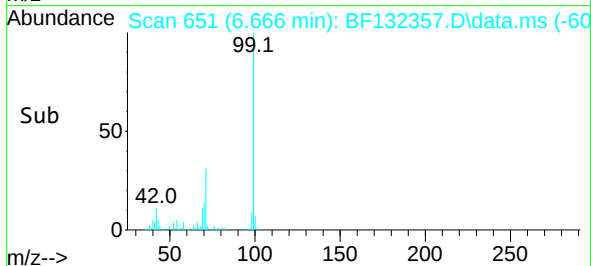
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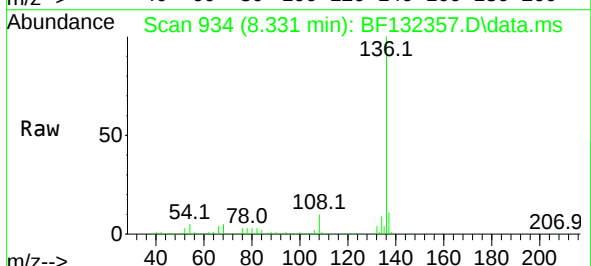
Tgt Ion: 99 Resp: 1395989
Ion Ratio Lower Upper
99 100
42 11.4 10.1 15.1
71 31.0 24.2 36.4

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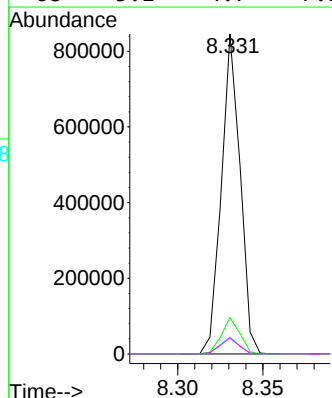
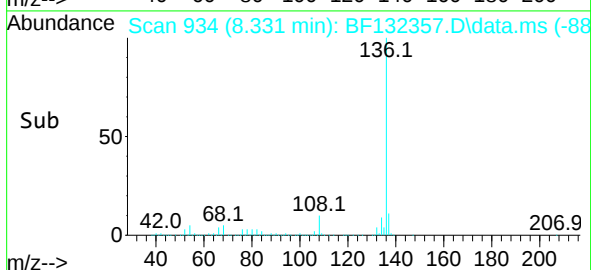
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

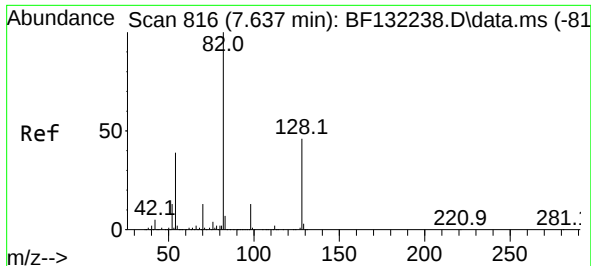


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.331 min Scan# 934
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14



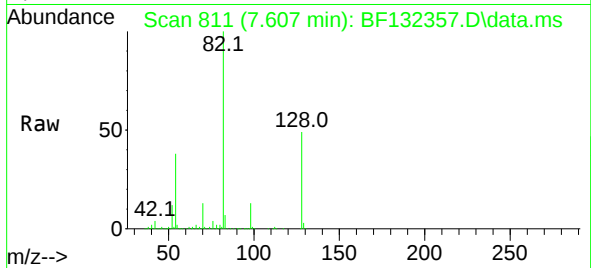
Tgt Ion:136 Resp: 647035
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 5.3 4.9 7.3
68 5.1 4.7 7.1





#23
Nitrobenzene-d5
Concen: 72.090 ng
RT: 7.607 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

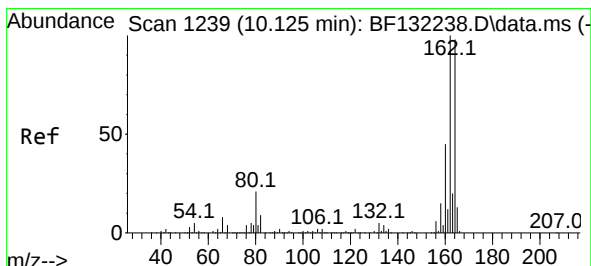
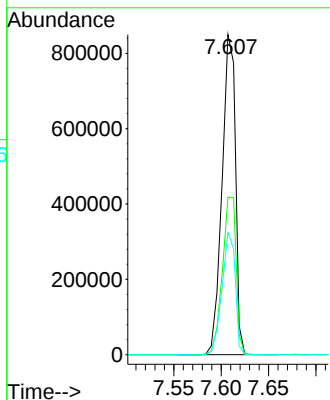
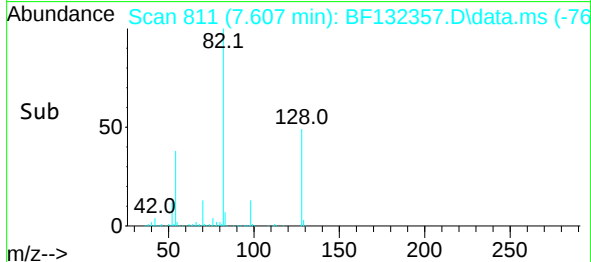
Instrument :
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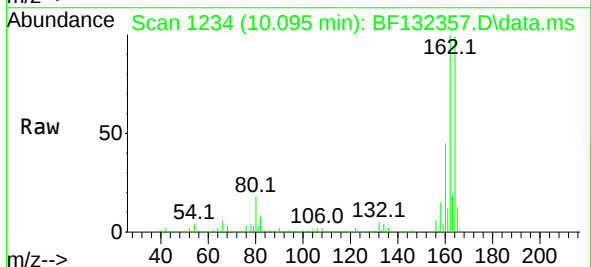
Tgt Ion: 82 Resp: 838224
Ion Ratio Lower Upper
82 100
128 49.3 37.0 55.4
54 38.2 31.5 47.3

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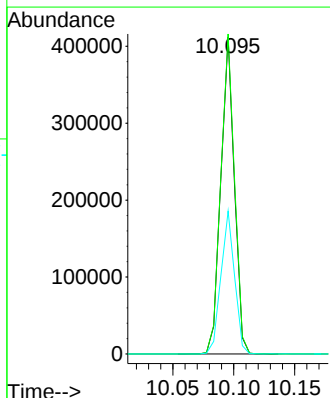
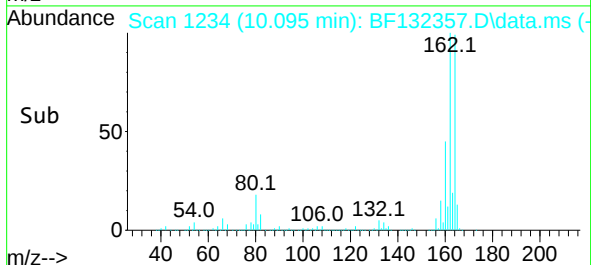
Reviewed By :Christian Giraldo 02/09/2023
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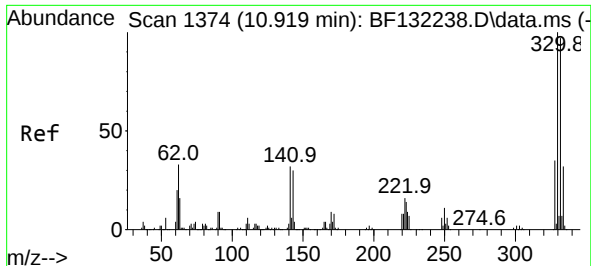


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.095 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14



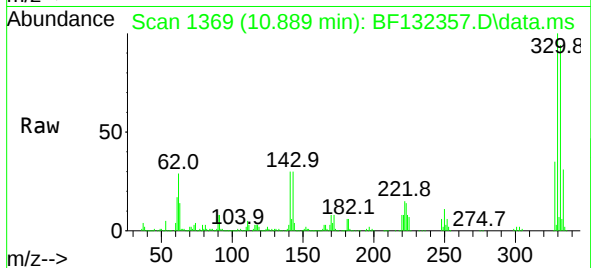
Tgt Ion:164 Resp: 319236
Ion Ratio Lower Upper
164 100
162 101.0 82.0 123.0
160 45.1 37.1 55.7





#42
2,4,6-Tribromophenol
Concen: 115.977 ng
RT: 10.889 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

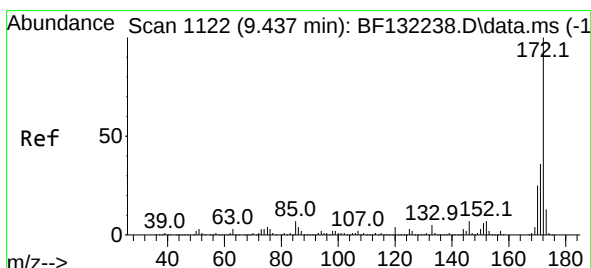
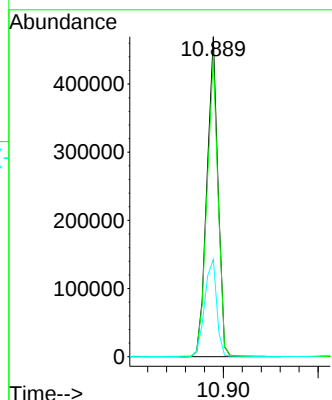
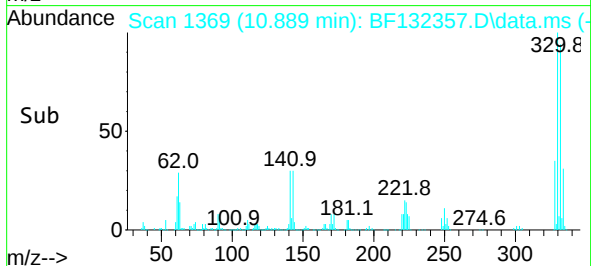
Instrument :
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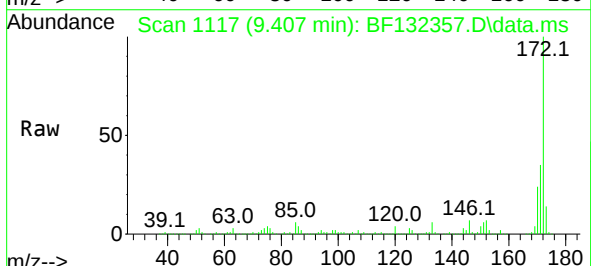
Tgt Ion: 330 Resp: 38074
Ion Ratio Lower Upper
330 100
332 94.6 77.9 116.9
141 33.2 31.0 46.4

Manual Integrations
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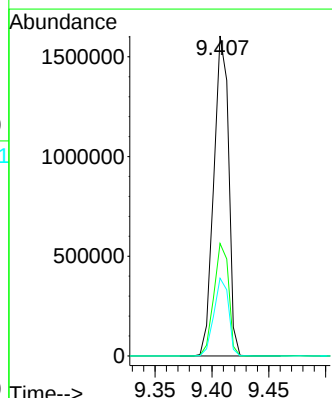
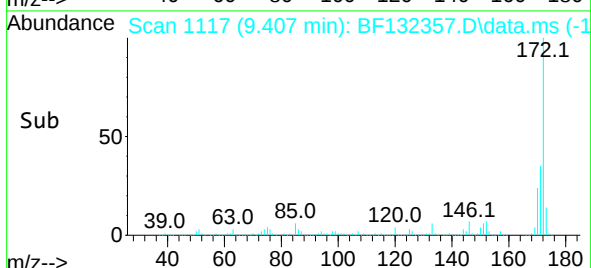
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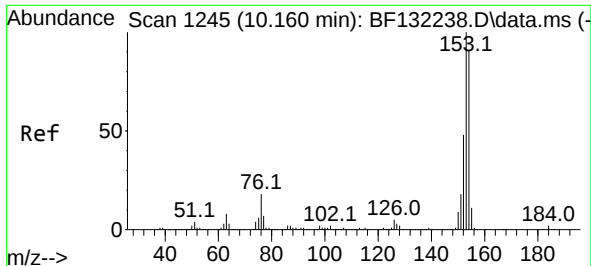


#45
2-Fluorobiphenyl
Concen: 70.568 ng
RT: 9.407 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14



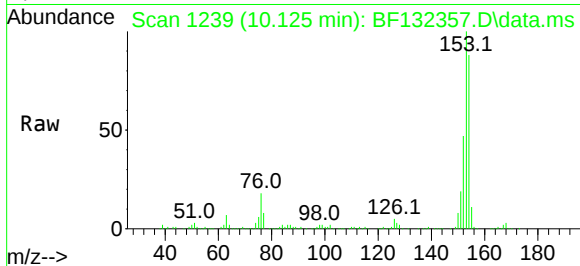
Tgt Ion: 172 Resp: 1458811
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 24.3 19.7 29.5





#52
Acenaphthene
Concen: 3.801 ng
RT: 10.125 min Scan# 1239
Delta R.T. -0.012 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

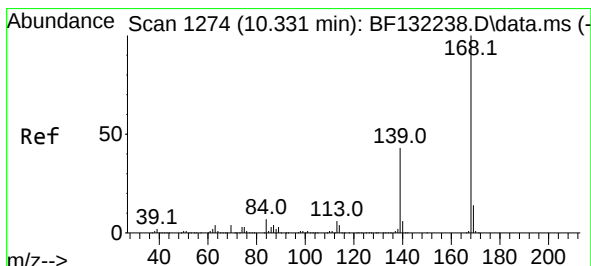
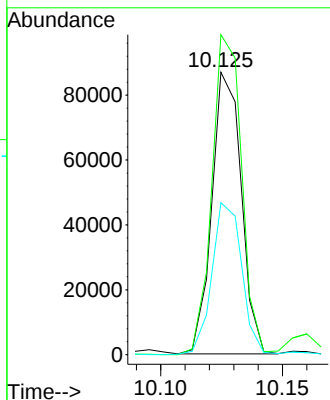
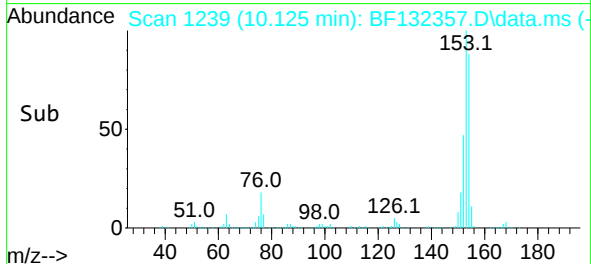
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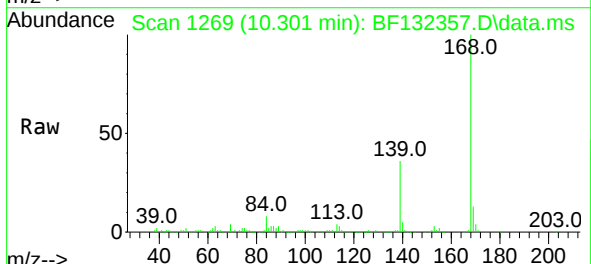
Tgt Ion:154 Resp: 72798
Ion Ratio Lower Upper
154 100
153 113.3 88.3 132.5
152 53.8 42.7 64.1

Manual Integrations
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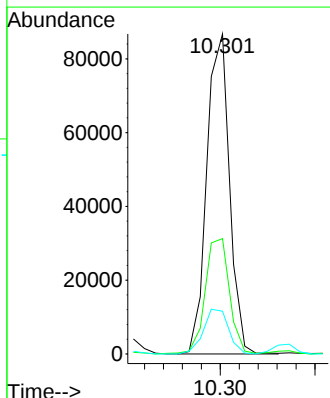
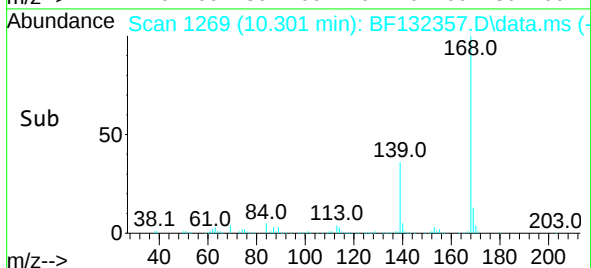
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Supervised By :Jagrut Upadhyay 02/09/2023

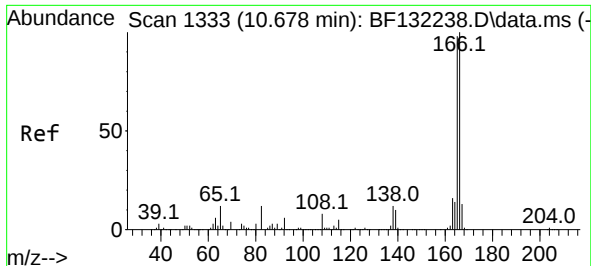


#55
Dibenzofuran
Concen: 2.692 ng
RT: 10.301 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14



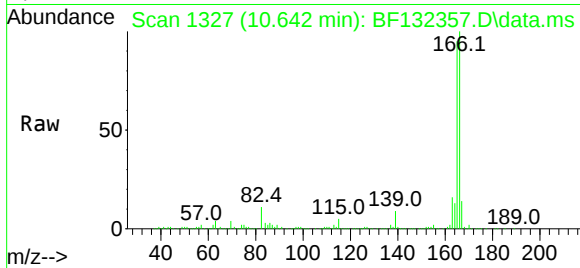
Tgt Ion:168 Resp: 72450
Ion Ratio Lower Upper
168 100
139 36.1 34.2 51.4
169 13.4 11.2 16.8





#58
Fluorene
Concen: 4.505 ng
RT: 10.642 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

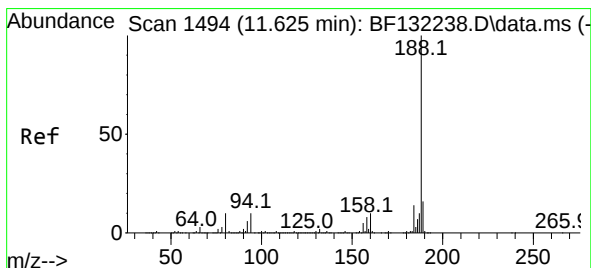
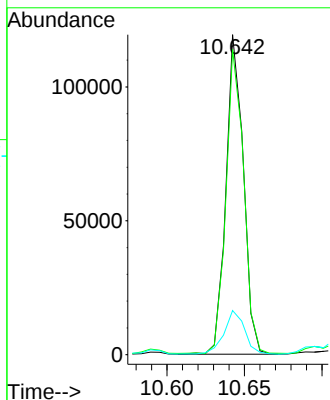
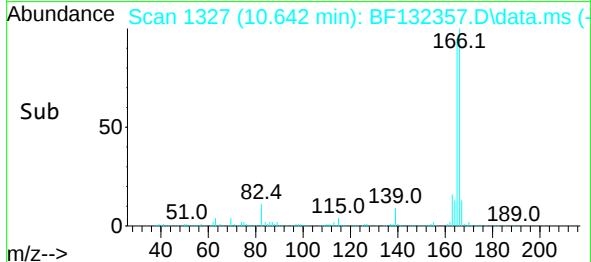
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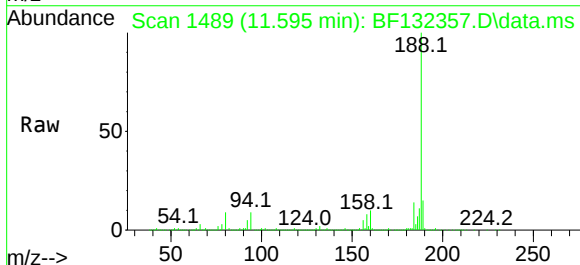
Tgt Ion:166 Resp: 93300
Ion Ratio Lower Upper
166 100
165 95.4 78.0 117.0
167 13.8 10.8 16.2

Manual Integrations
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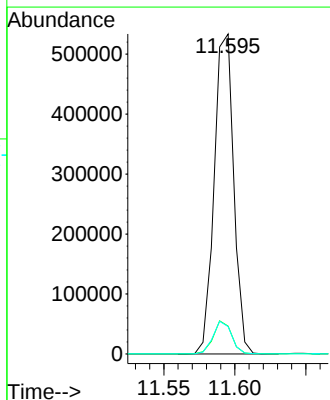
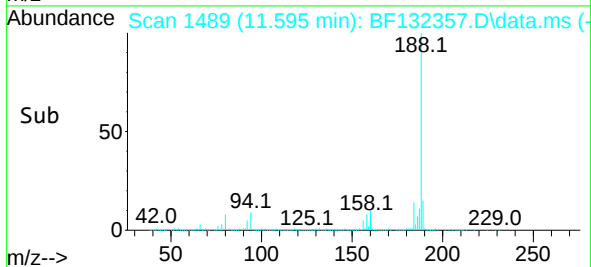
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

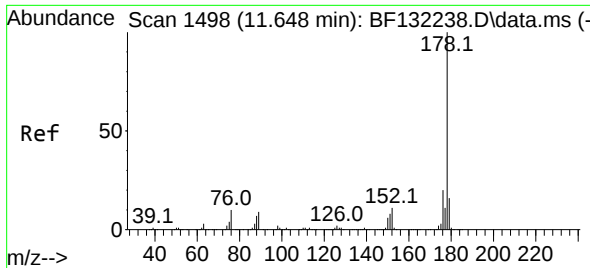


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.595 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14



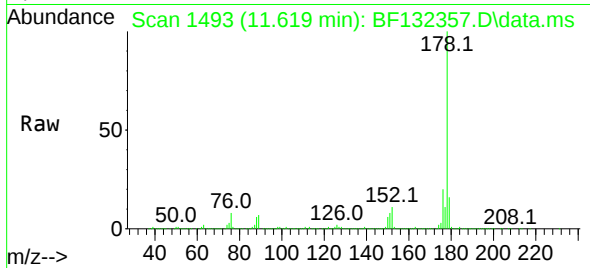
Tgt Ion:188 Resp: 509262
Ion Ratio Lower Upper
188 100
94 8.7 8.2 12.2
80 8.5 8.3 12.5





#71
Phenanthrene
Concen: 40.392 ng
RT: 11.619 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

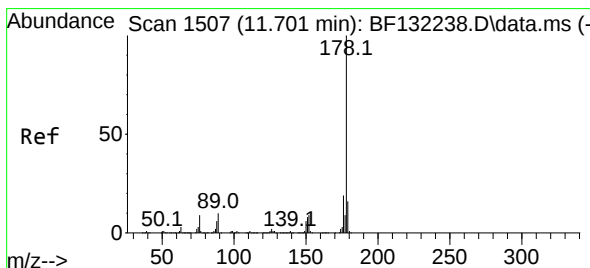
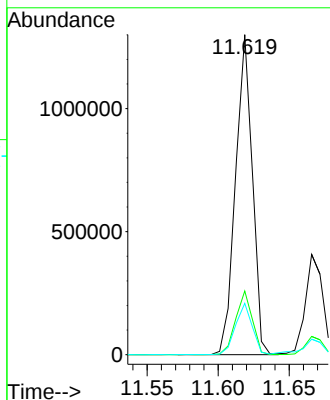
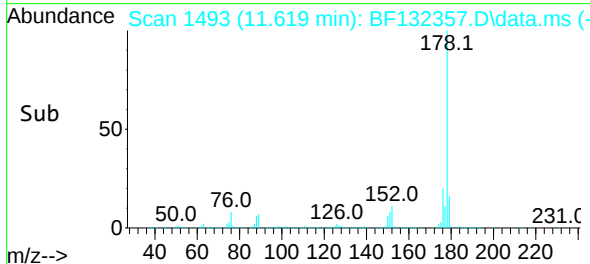
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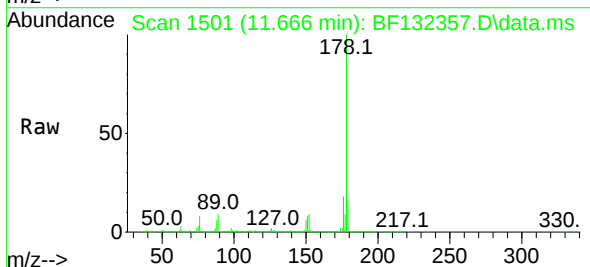
Tgt Ion:178 Resp: 107490
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 16.1 12.8 19.2

Manual Integrations
APPROVED

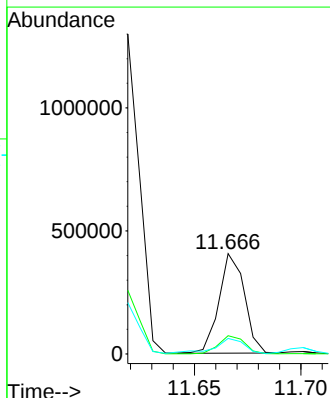
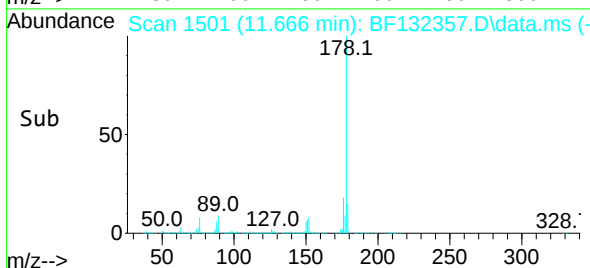
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

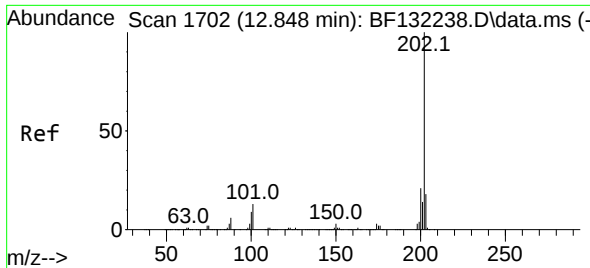


#72
Anthracene
Concen: 12.425 ng
RT: 11.666 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14



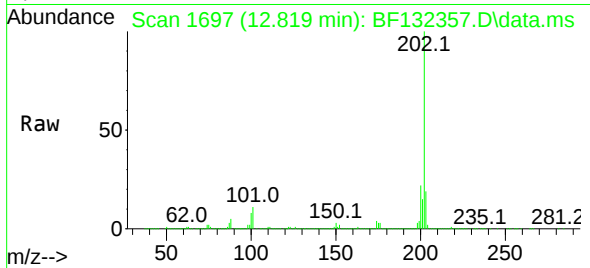
Tgt Ion:178 Resp: 336488
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.5 12.8 19.2





#75
Fluoranthene
Concen: 64.050 ng
RT: 12.819 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

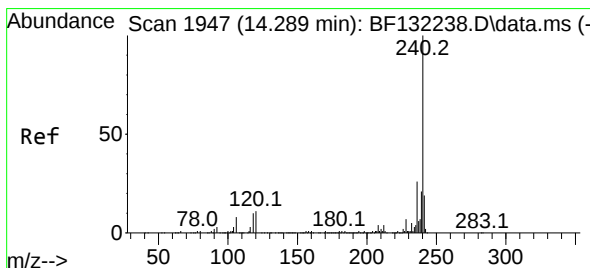
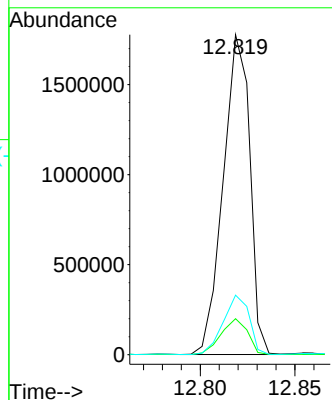
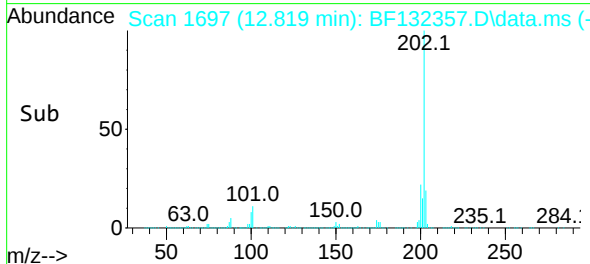
Instrument :
BNA_F
ClientSampleId :
JPP-39-020723



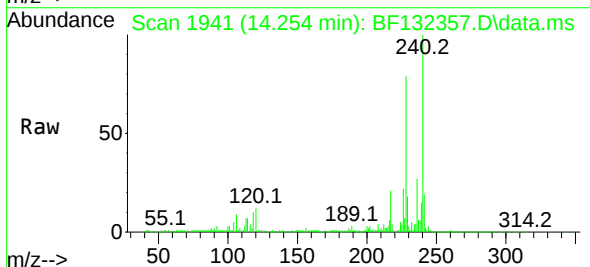
Tgt Ion:202 Resp: 173940
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.7
203 18.6 0.0 37.9

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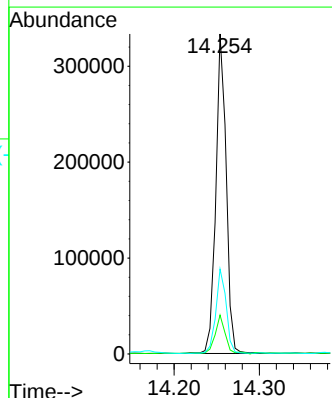
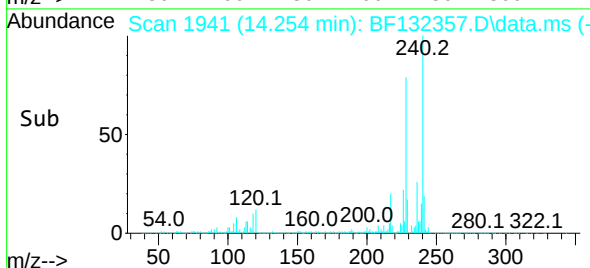
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

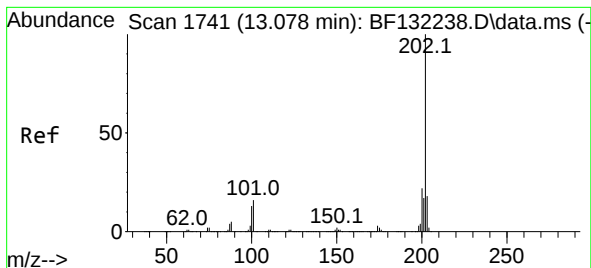


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.254 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14



Tgt Ion:240 Resp: 283017
Ion Ratio Lower Upper
240 100
120 12.2 8.8 13.2
236 26.5 21.0 31.6





#78

Pyrene

Concen: 69.446 ng

RT: 13.054 min Scan# 1737

Delta R.T. 0.000 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

Instrument :

BNA_F

ClientSampleId :

JPP-39-020723

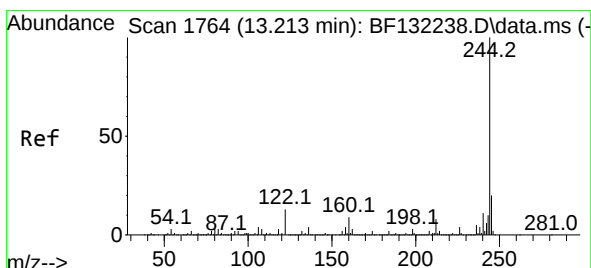
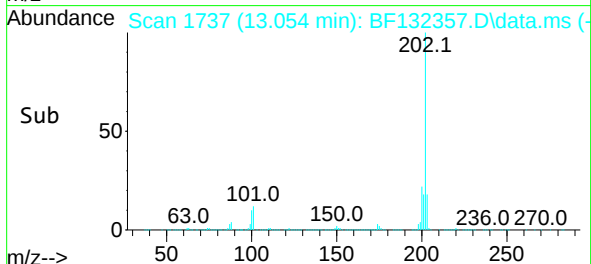
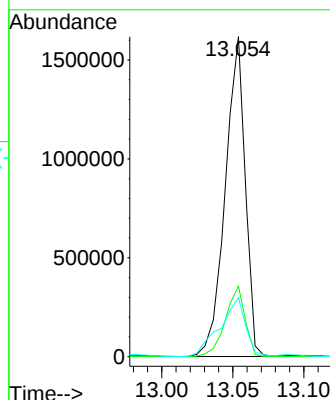
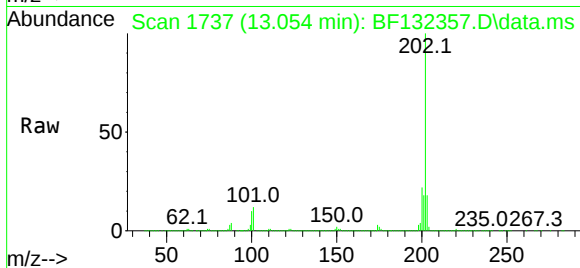
Tgt Ion:202 Resp: 1580824

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.3	25.9
203	18.5	14.4	21.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#79

Terphenyl-d14

Concen: 73.963 ng

RT: 13.183 min Scan# 1759

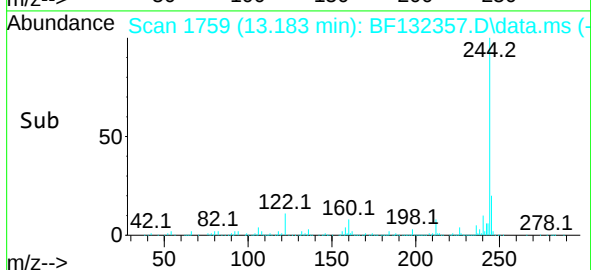
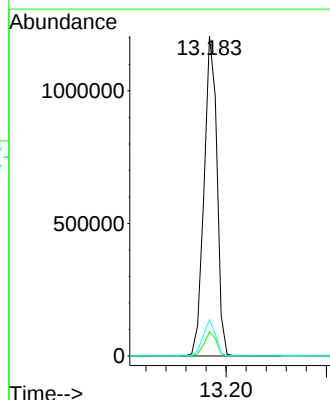
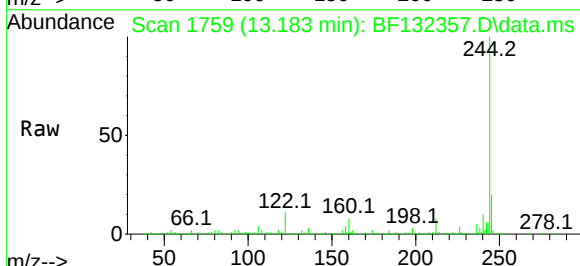
Delta R.T. -0.006 min

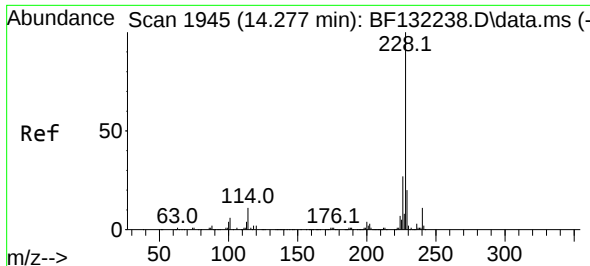
Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

Tgt Ion:244 Resp: 1082122

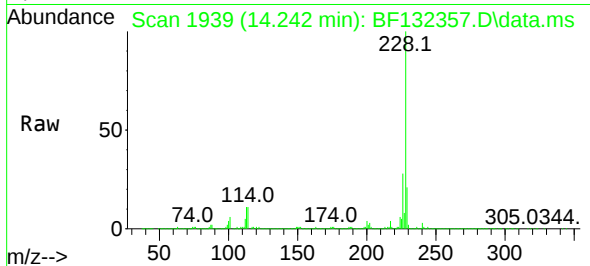
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.4	9.6
122	11.3	10.5	15.7





#81
Benzo(a)anthracene
Concen: 46.296 ng
RT: 14.242 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

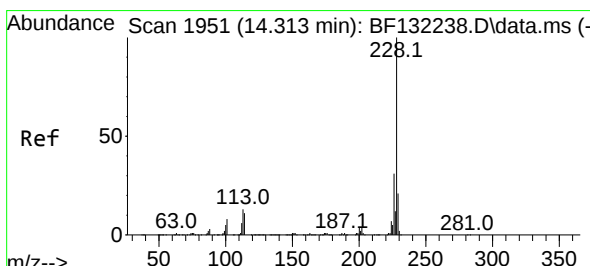
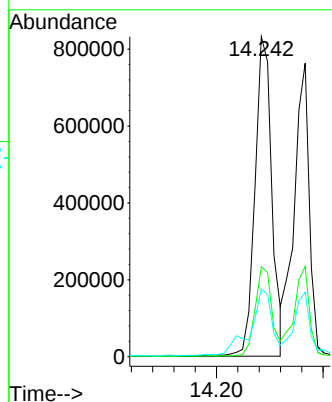
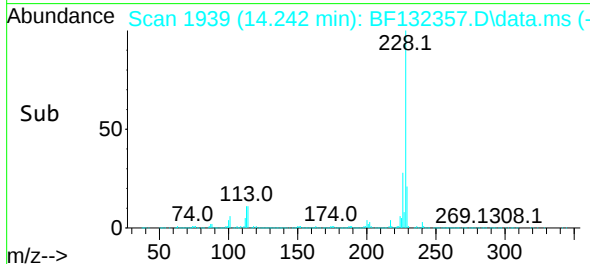
Instrument :
BNA_F
ClientSampleId :
JPP-39-020723



Tgt Ion:228 Resp: 916410
Ion Ratio Lower Upper
228 100
226 28.1 22.0 33.0
229 21.2 15.8 23.6

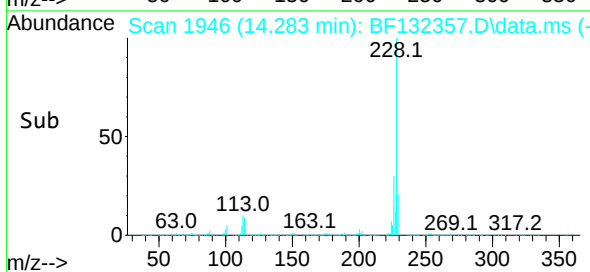
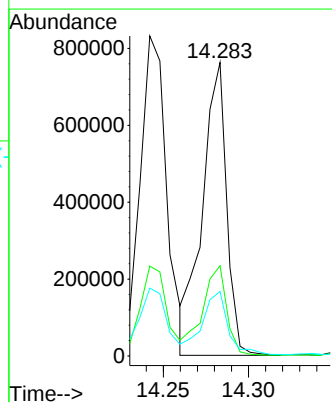
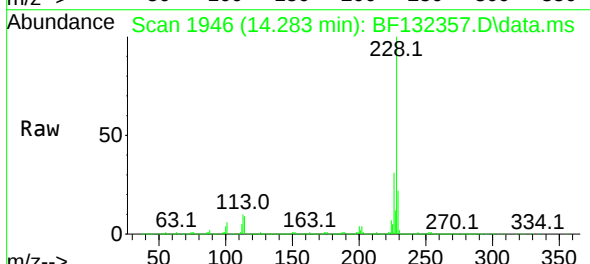
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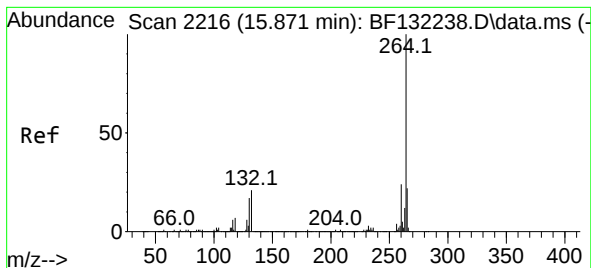
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#83
Chrysene
Concen: 40.927 ng
RT: 14.283 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

Tgt Ion:228 Resp: 758594
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 22.0 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.830 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

Instrument :

BNA_F

ClientSampleId :

JPP-39-020723

Tgt Ion:264 Resp: 255360

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

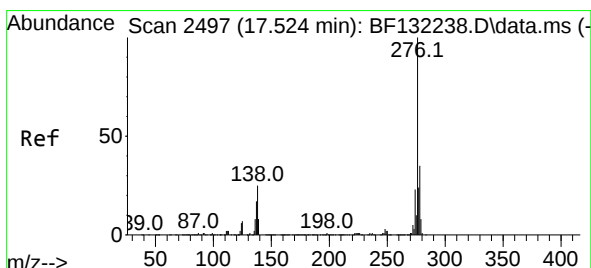
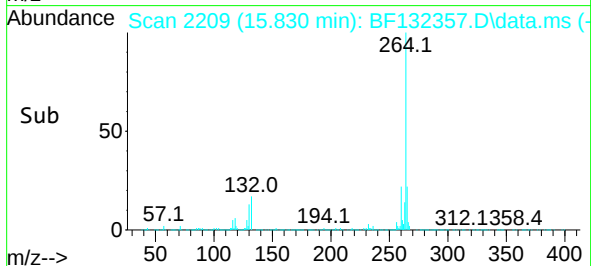
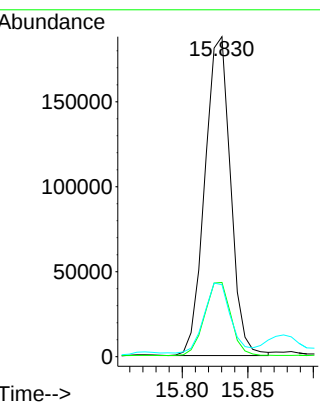
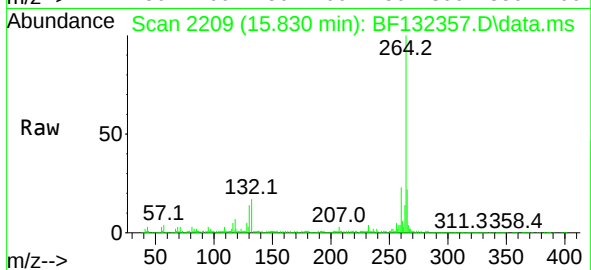
265 22.5 17.4 26.2

Manual Integrations

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Reviewed By :Christian Giraldo 02/09/2023

Supervised By :Jagrut Upadhyay 02/09/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 19.844 ng

RT: 17.454 min Scan# 2485

Delta R.T. 0.000 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

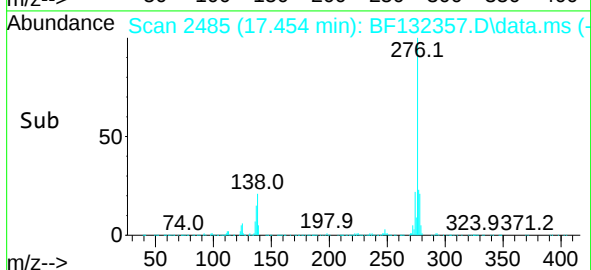
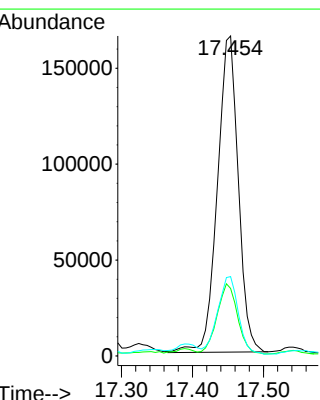
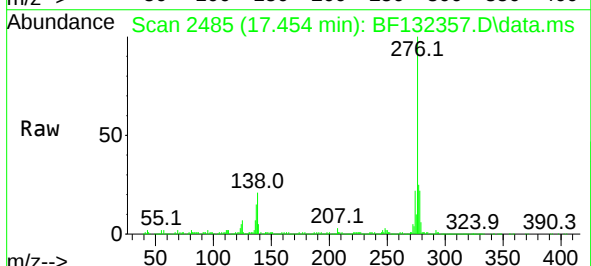
Tgt Ion:276 Resp: 336702

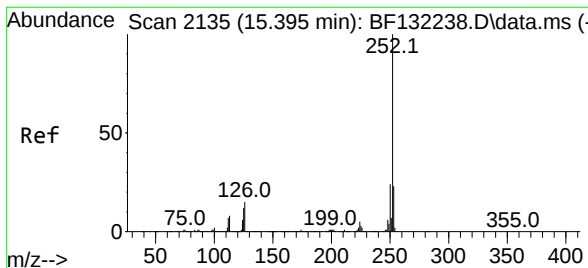
Ion Ratio Lower Upper

276 100

138 21.8 23.3 34.9#

277 24.2 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 58.711 ng m

RT: 15.360 min Scan# 2133

Delta R.T. 0.006 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

Instrument :

BNA_F

ClientSampleId :

JPP-39-020723

Tgt Ion:252 Resp: 95298

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

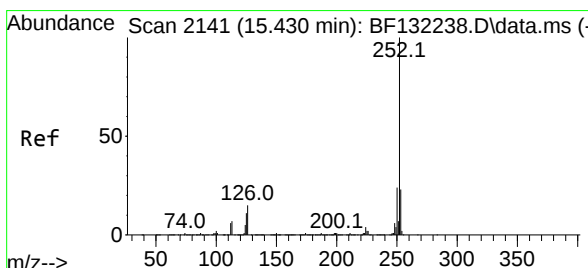
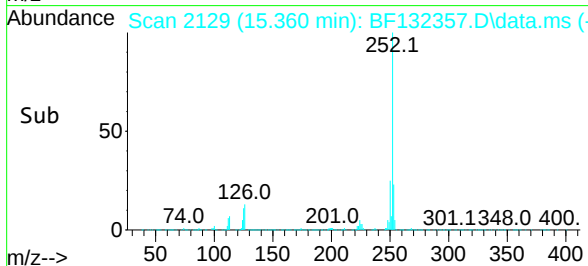
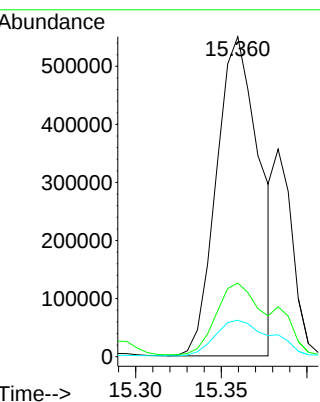
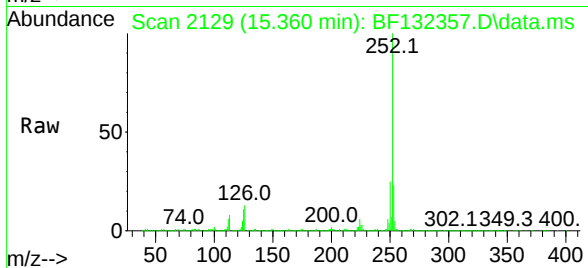
125 11.4 9.6 14.4

Manual Integrations

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Reviewed By :Christian Giraldo 02/09/2023

Supervised By :Jagrut Upadhyay 02/09/2023



#89

Benzo(k)fluoranthene

Concen: 17.581 ng m

RT: 15.383 min Scan# 2133

Delta R.T. -0.006 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

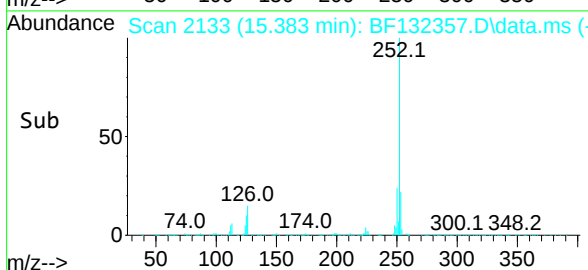
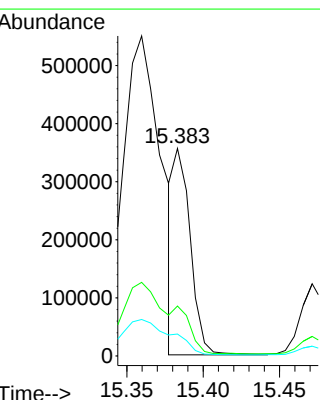
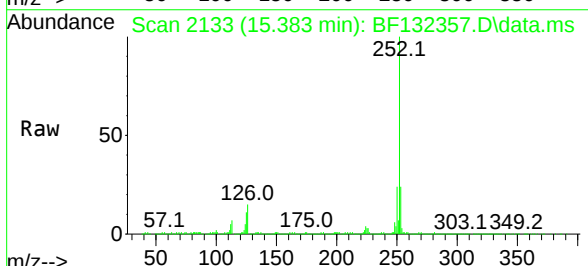
Tgt Ion:252 Resp: 272395

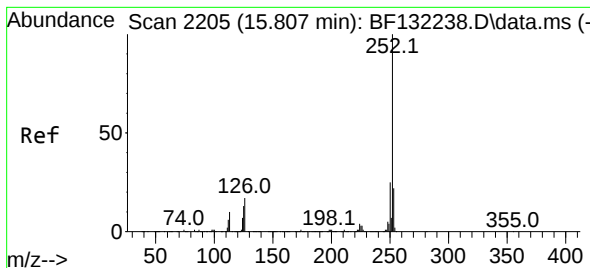
Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.2

125 10.6 9.0 13.6





#90

Benzo(a)pyrene

Concen: 41.920 ng

RT: 15.760 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

Instrument :

BNA_F

ClientSampleId :

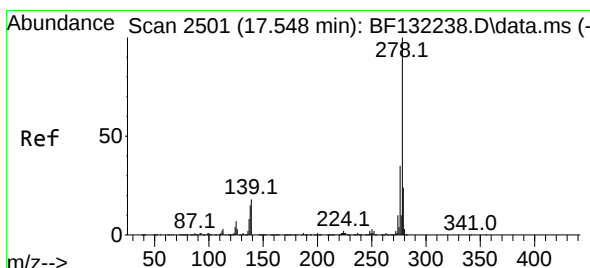
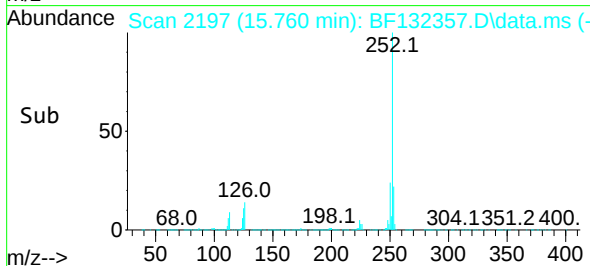
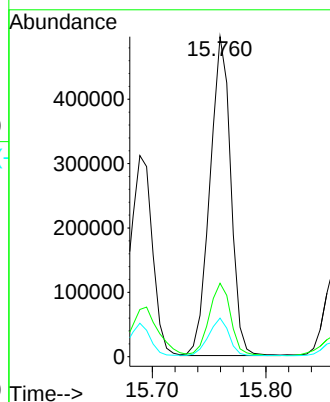
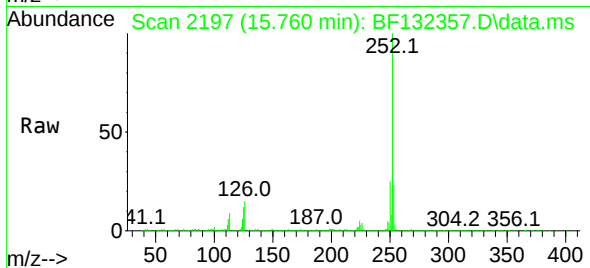
JPP-39-020723

Tgt Ion:252 Resp: 633629
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.8 26.8
 125 12.0 10.2 15.4

Manual Integrations

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Reviewed By :Christian Giraldo 02/09/2023
 Supervised By :Jagrut Upadhyay 02/09/2023



#91

Dibenzo(a,h)anthracene

Concen: 6.098 ng

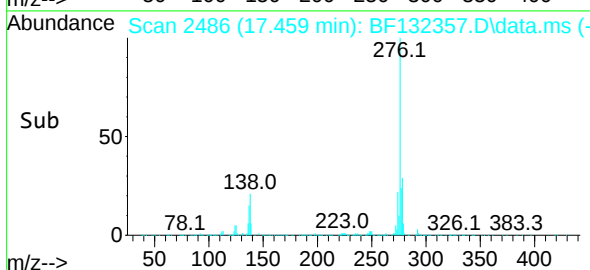
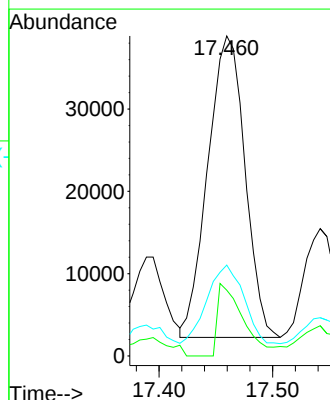
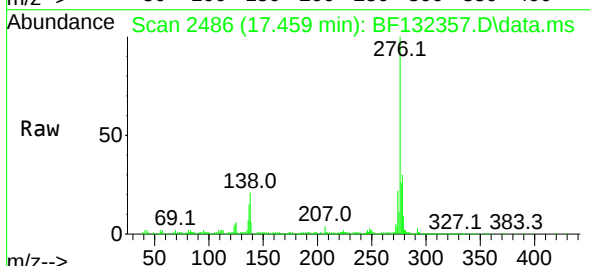
RT: 17.459 min Scan# 2486

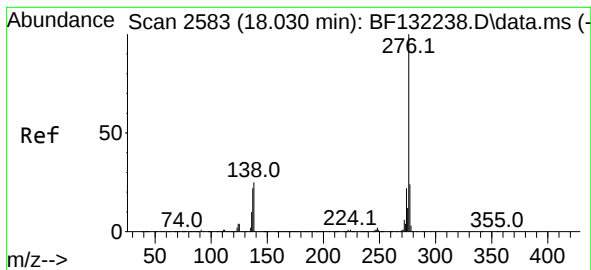
Delta R.T. -0.012 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

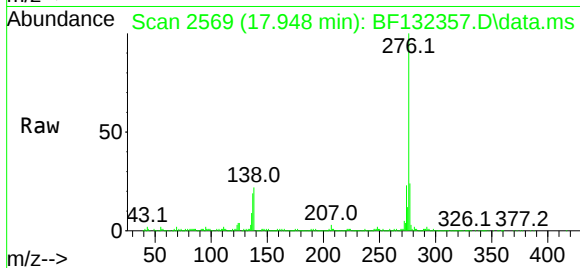
Tgt Ion:278 Resp: 83188
 Ion Ratio Lower Upper
 278 100
 139 20.6 14.2 21.2
 279 28.4 19.6 29.4





#92
 Benzo(g,h,i)perylene
 Concen: 21.967 ng
 RT: 17.948 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF132357.D
 Acq: 08 Feb 2023 15:14

Instrument :
 BNA_F
 ClientSampleId :
 JPP-39-020723



Tgt Ion: 276 Resp: 30958
 Ion Ratio Lower Upper
 276 100
 277 24.5 19.4 29.2
 138 21.8 20.3 30.5

Manual Integrations
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Reviewed By : Christian Giraldo 02/09/2023
 Supervised By : Jagrut Upadhyay 02/09/2023

