

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
 Data File : BF132276.D
 Acq On : 01 Feb 2023 23:45
 Operator : CG\JU
 Sample : 01358-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-5-012723

Manual Integrations
 APPROVED

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

Quant Time: Feb 02 00:59:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 05:24:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.072	152	151980	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	562561	20.000	ng	0.00
39) Acenaphthene-d10	10.119	164	254737	20.000	ng	0.00
64) Phenanthrene-d10	11.619	188	394630	20.000	ng	0.00
76) Chrysene-d12	14.283	240	268572	20.000	ng	0.00
86) Perylene-d12	15.871	264	218697	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.696	112	951275	100.610	ng	0.01
7) Phenol-d6	6.684	99	1148078	98.491	ng	0.00
23) Nitrobenzene-d5	7.631	82	697388	68.984	ng	0.00
42) 2,4,6-Tribromophenol	10.913	330	251370	95.957	ng	0.00
45) 2-Fluorobiphenyl	9.431	172	1137366	68.949	ng	0.00
79) Terphenyl-d14	13.213	244	949314	68.375	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.378	128	190227	6.870	ng	100
37) 2-Methylnaphthalene	9.072	142	52673	2.808	ng	100
52) Acenaphthene	10.154	154	72863	4.767	ng	96
55) Dibenzofuran	10.325	168	74062	3.449	ng	95
58) Fluorene	10.672	166	62364	3.774	ng	98
71) Phenanthrene	11.642	178	789324	38.276	ng	99
72) Anthracene	11.695	178	181794	8.662	ng	99
73) Carbazole	11.842	167	59379	3.156	ng	99
75) Fluoranthene	12.848	202	1292406	61.415	ng	98
78) Pyrene	13.078	202	1220915	56.520	ng	99
81) Benzo(a)anthracene	14.272	228	689102	36.685	ng	98
83) Chrysene	14.313	228	596341	33.904	ng	98
87) Indeno(1,2,3-cd)pyrene	17.518	276	306746m	21.109	ng	
88) Benzo(b)fluoranthene	15.395	252	716828m	51.565	ng	
89) Benzo(k)fluoranthene	15.424	252	237678m	17.912	ng	
90) Benzo(a)pyrene	15.801	252	519035	40.096	ng	99
91) Dibenzo(a,h)anthracene	17.524	278	72926m	6.242	ng	
92) Benzo(g,h,i)perylene	18.018	276	307895	25.509	ng	97

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

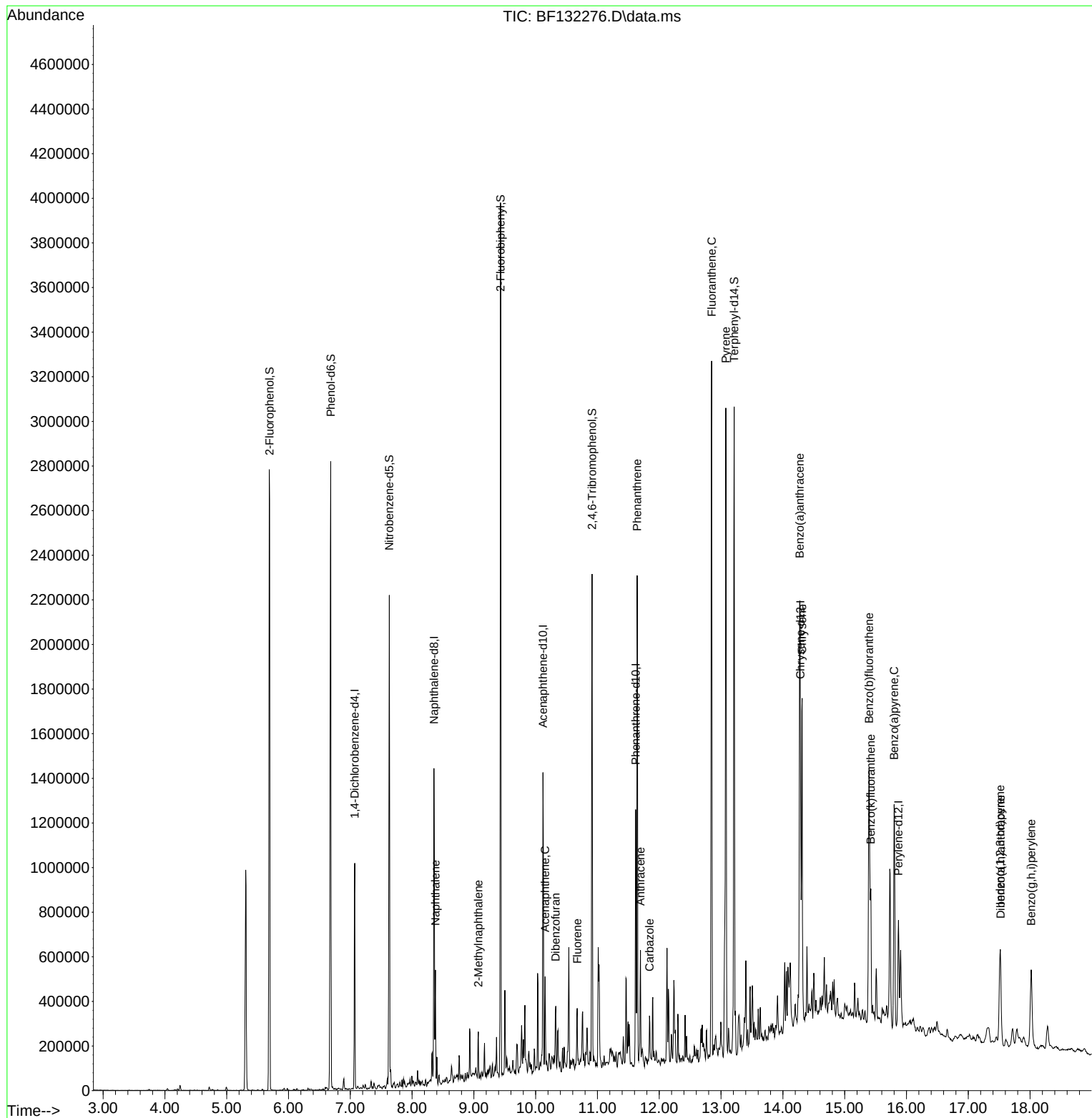
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
Data File : BF132276.D
Acq On : 01 Feb 2023 23:45
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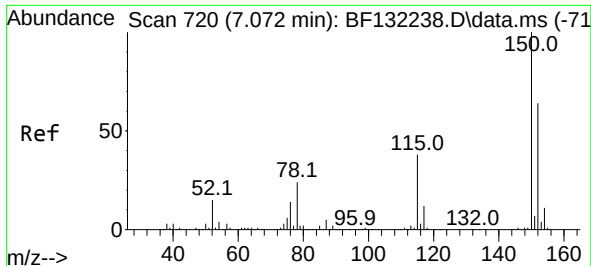
Instrument :
BNA_F
ClientSampleId :
JPP-5-012723

Quant Time: Feb 02 00:59:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 05:24:37 2023
Response via : Initial Calibration

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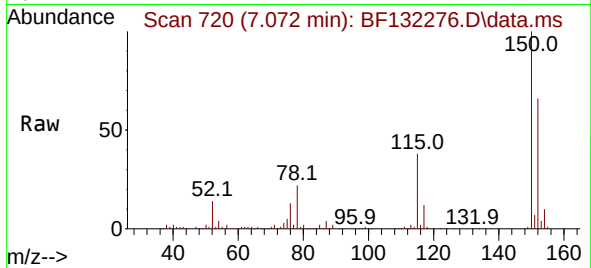
Reviewed By : Christian Giraldo 02/02/2023
Supervised By : Jagrut Upadhyay 02/02/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.072 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

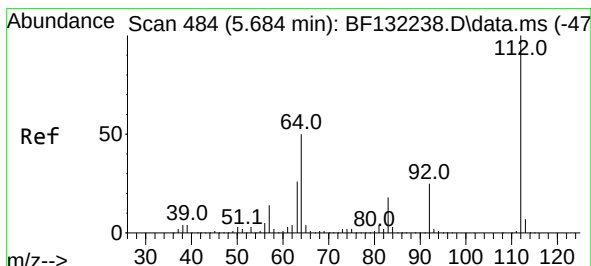
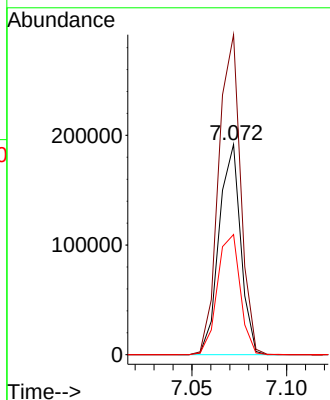
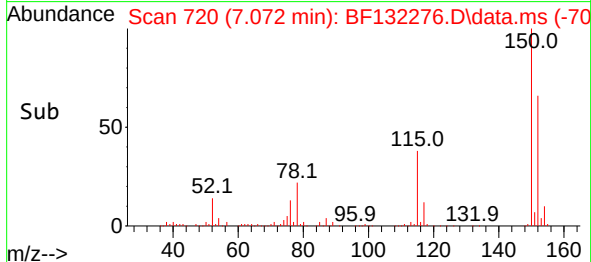
Instrument :
BNA_F
ClientSampleId :
JPP-5-012723



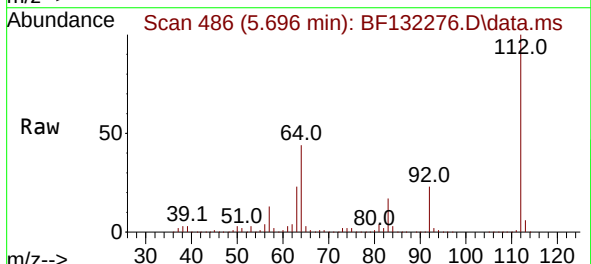
Tgt Ion:152 Resp: 151980
Ion Ratio Lower Upper
152 100
150 152.3 124.2 186.2
115 57.2 47.3 70.9

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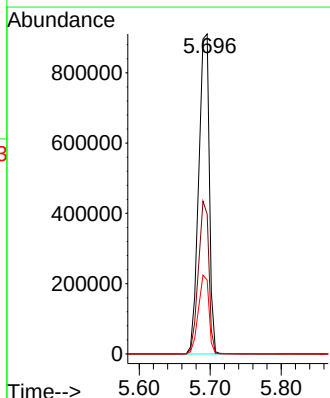
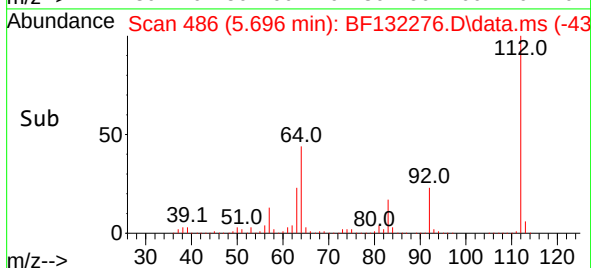
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

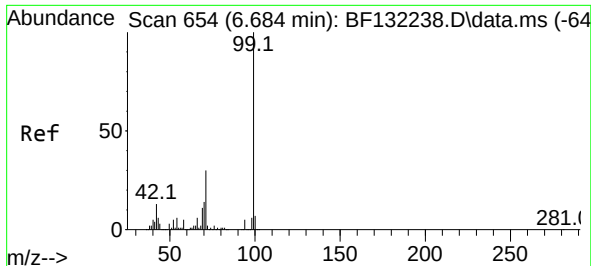


#5
2-Fluorophenol
Concen: 100.610 ng
RT: 5.696 min Scan# 486
Delta R.T. 0.012 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45



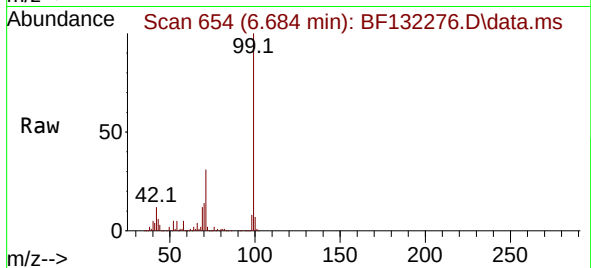
Tgt Ion:112 Resp: 951275
Ion Ratio Lower Upper
112 100
64 43.7 40.0 60.0
63 23.1 20.5 30.7





#7
Phenol-d6
Concen: 98.491 ng
RT: 6.684 min Scan# 61
Delta R.T. -0.000 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

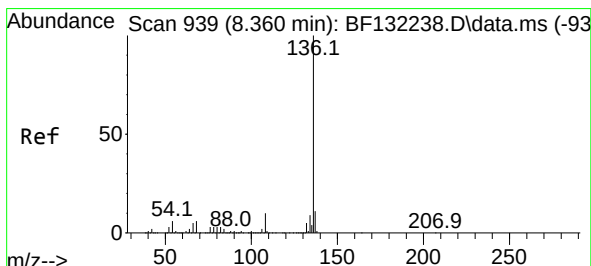
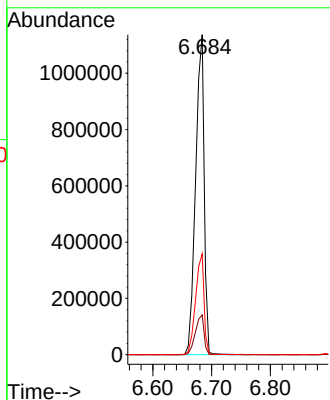
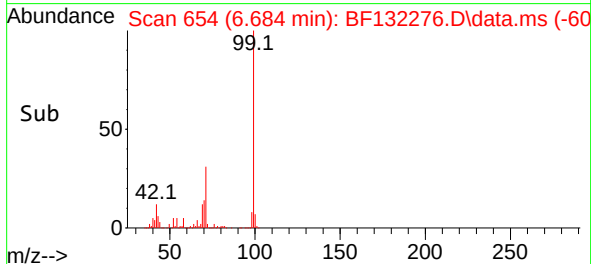
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JPP-5-012723



Tgt Ion: 99 Resp: 1148078
Ion Ratio Lower Upper
99 100
42 12.4 10.1 15.1
71 31.5 24.2 36.4

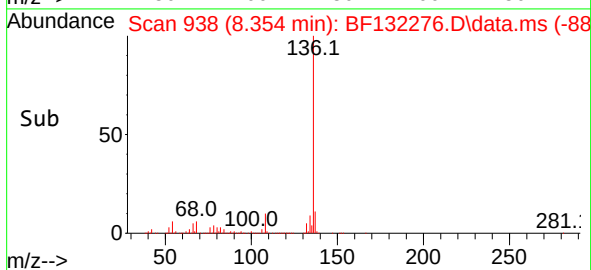
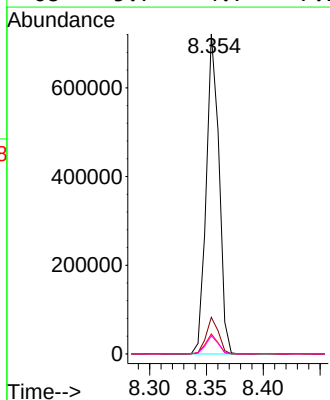
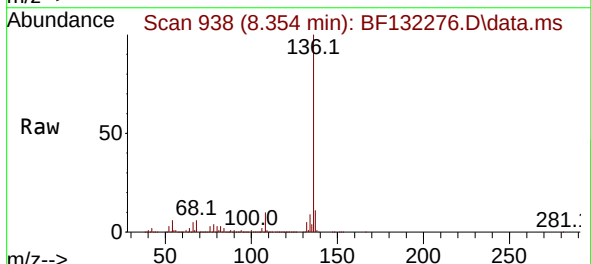
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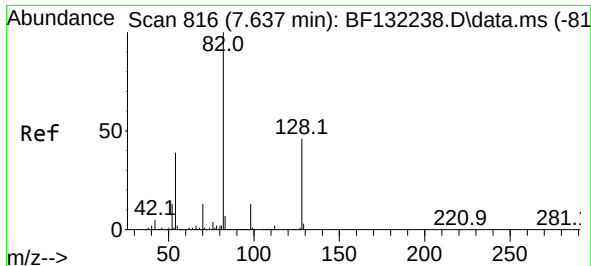
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

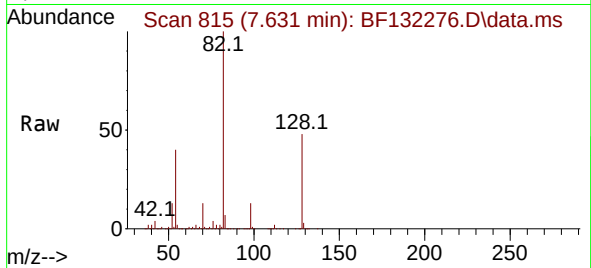
Tgt Ion:136 Resp: 562561
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 6.3 4.9 7.3
68 5.7 4.7 7.1





#23
Nitrobenzene-d5
Concen: 68.984 ng
RT: 7.631 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

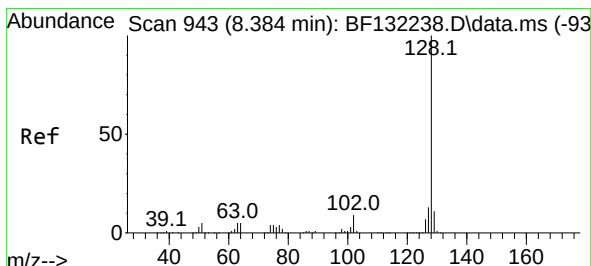
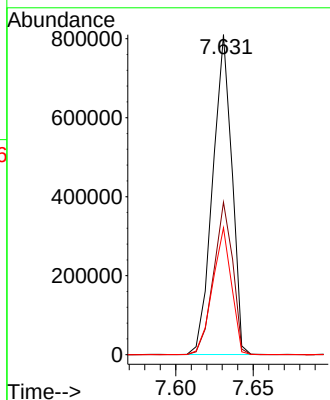
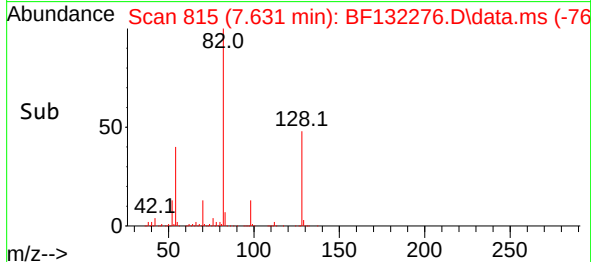
Instrument :
BNA_F
ClientSampleId :
JPP-5-012723



Tgt Ion: 82 Resp: 697388
Ion Ratio Lower Upper
82 100
128 47.6 37.0 55.4
54 39.6 31.5 47.3

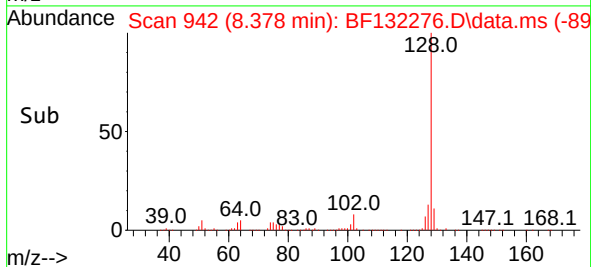
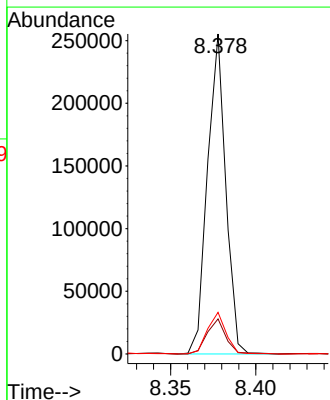
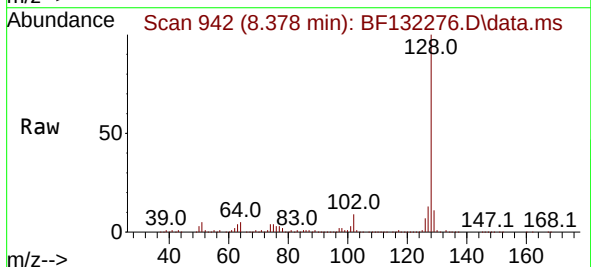
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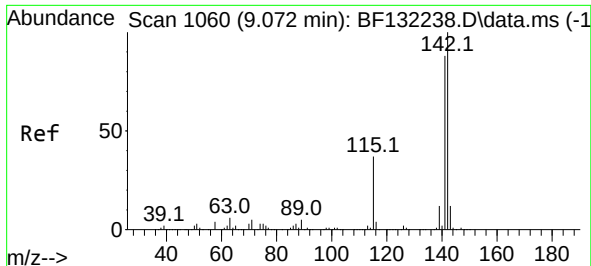
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#31
Naphthalene
Concen: 6.870 ng
RT: 8.378 min Scan# 942
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

Tgt Ion:128 Resp: 190227
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.0 10.5 15.7





#37

2-Methylnaphthalene

Concen: 2.808 ng

RT: 9.072 min Scan# 1060

Delta R.T. -0.000 min

Lab File: BF132276.D

Acq: 01 Feb 2023 23:45

Instrument :

BNA_F

ClientSampleId :

JPP-5-012723

Tgt Ion:142 Resp: 5267

Ion Ratio Lower Upper

142 100

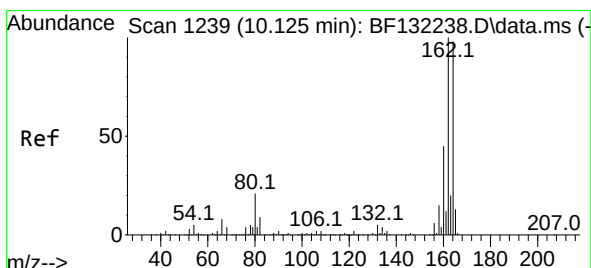
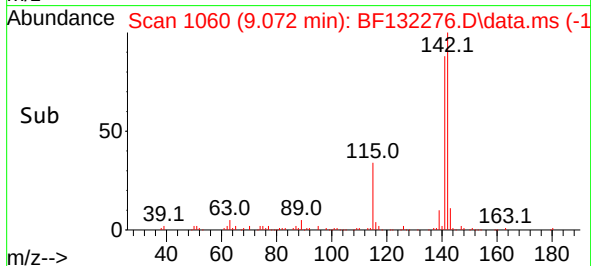
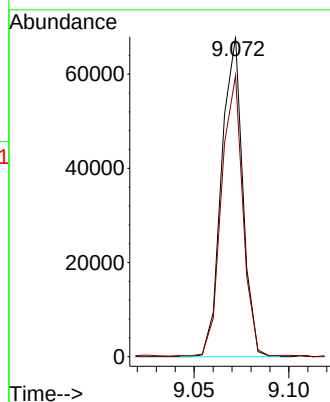
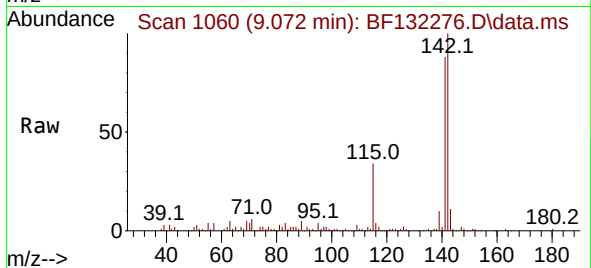
141 87.9 70.1 105.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 02/02/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.119 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF132276.D

Acq: 01 Feb 2023 23:45

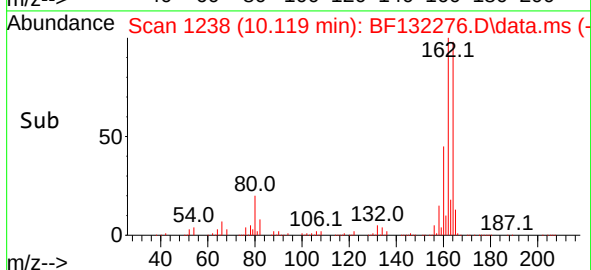
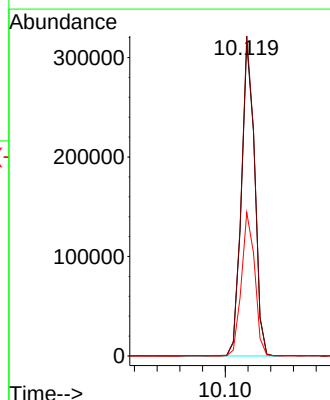
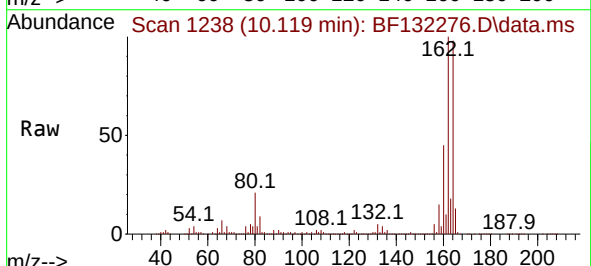
Tgt Ion:164 Resp: 254737

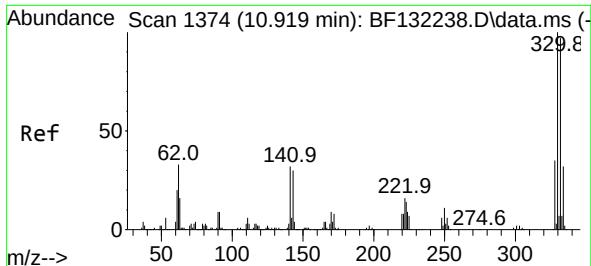
Ion Ratio Lower Upper

164 100

162 102.1 82.0 123.0

160 45.8 37.1 55.7





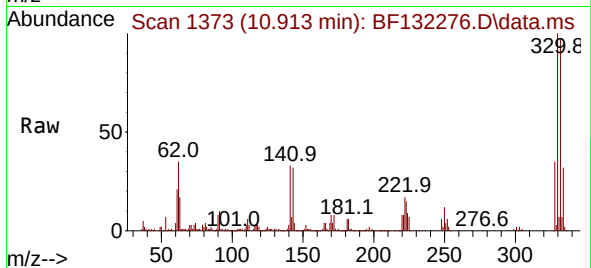
#42
2,4,6-Tribromophenol
Concen: 95.957 ng
RT: 10.913 min Scan# 111
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

Instrument :

BNA_F

ClientSampleId :

JPP-5-012723

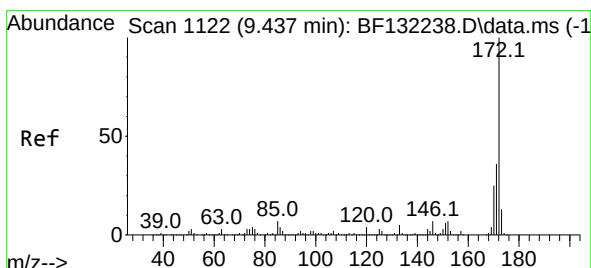
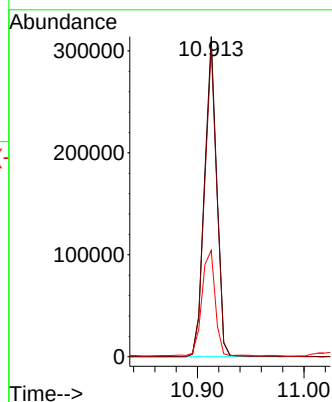
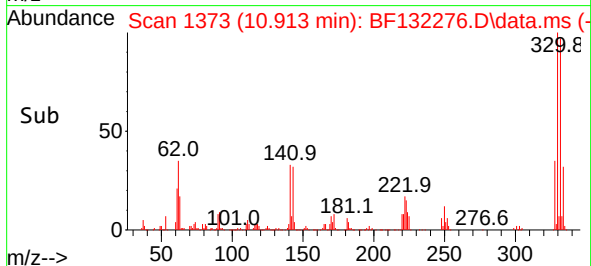


Tgt Ion:330 Resp: 251370
Ion Ratio Lower Upper
330 100
332 96.9 77.9 116.9
141 36.1 31.0 46.4

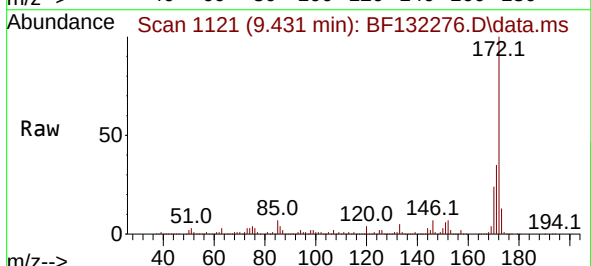
Manual Integrations

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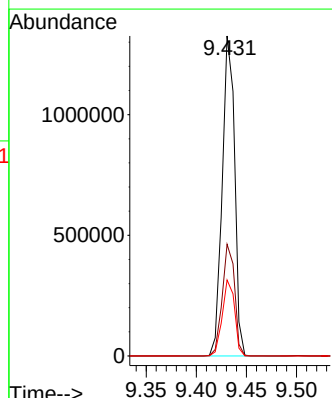
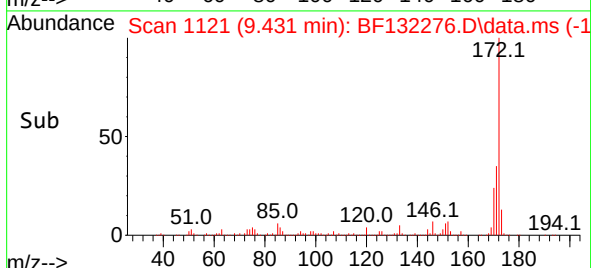
Reviewed By :Christian Giraldo 02/02/2023
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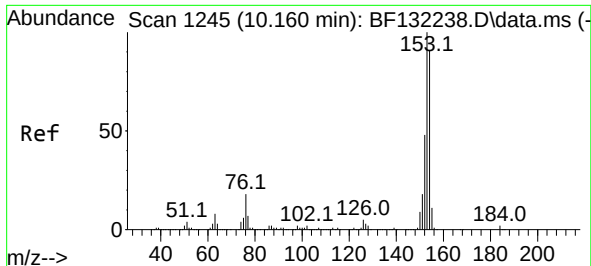


#45
2-Fluorobiphenyl
Concen: 68.949 ng
RT: 9.431 min Scan# 1121
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45



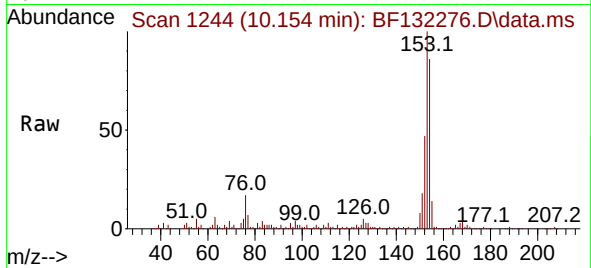
Tgt Ion:172 Resp: 1137366
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.7 19.7 29.5





#52
Acenaphthene
Concen: 4.767 ng
RT: 10.154 min Scan# 1244
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

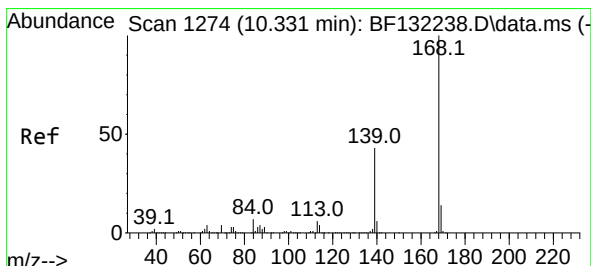
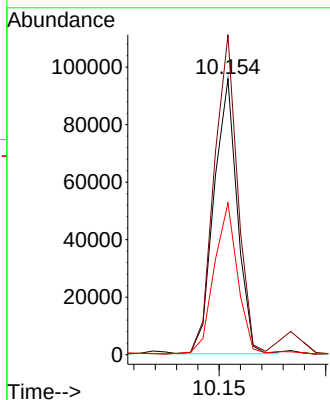
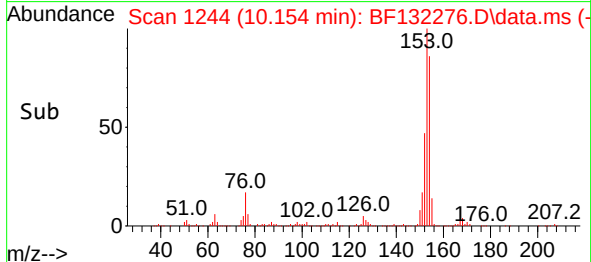
Instrument :
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JPP-5-012723



Tgt Ion:154 Resp: 7286
Ion Ratio Lower Upper
154 100
153 116.0 88.3 132.5
152 55.0 42.7 64.1

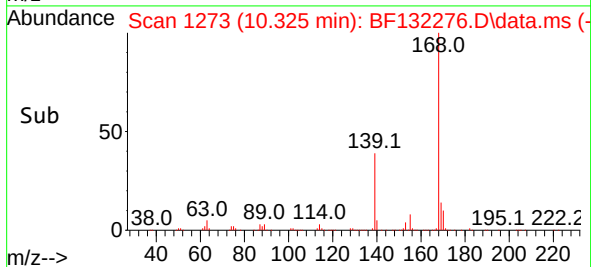
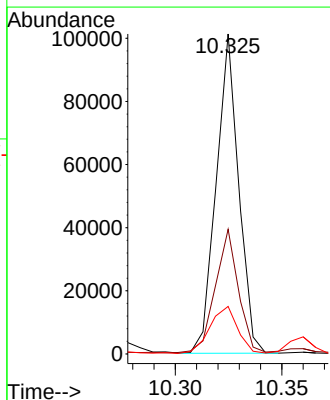
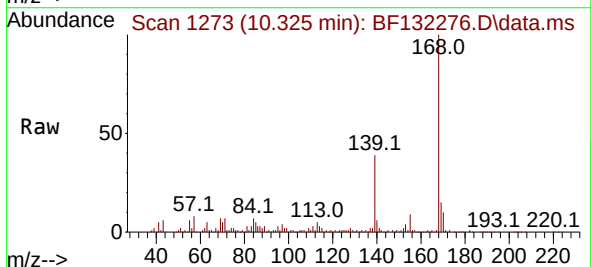
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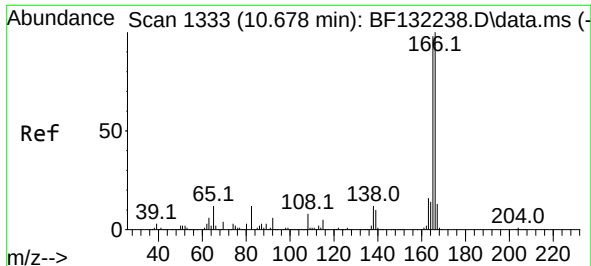
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#55
Dibenzofuran
Concen: 3.449 ng
RT: 10.325 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

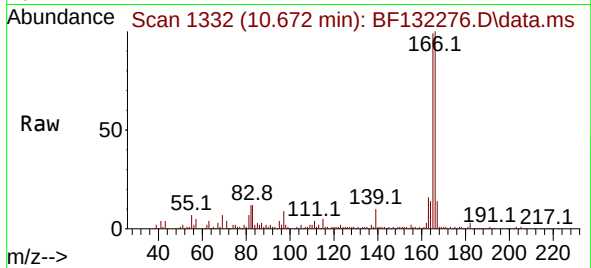
Tgt Ion:168 Resp: 74062
Ion Ratio Lower Upper
168 100
139 39.0 34.2 51.4
169 14.9 11.2 16.8





#58
Fluorene
Concen: 3.774 ng
RT: 10.672 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

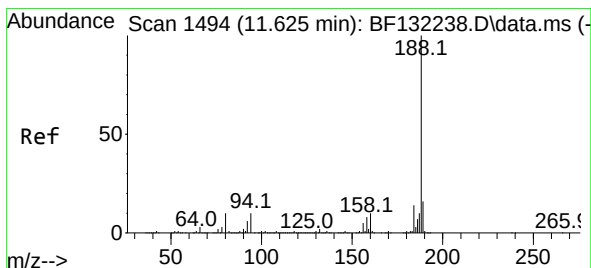
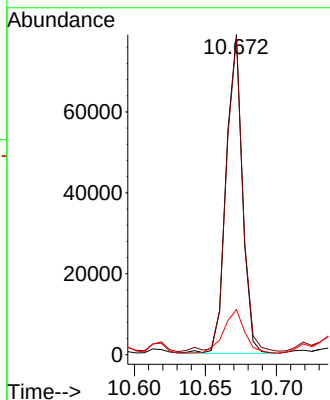
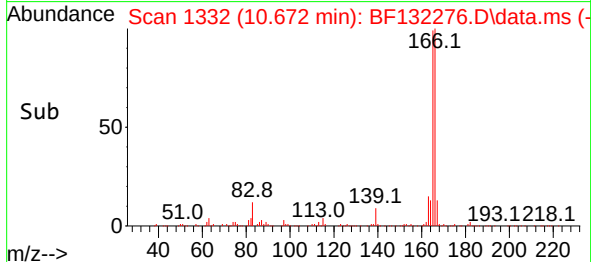
Instrument :
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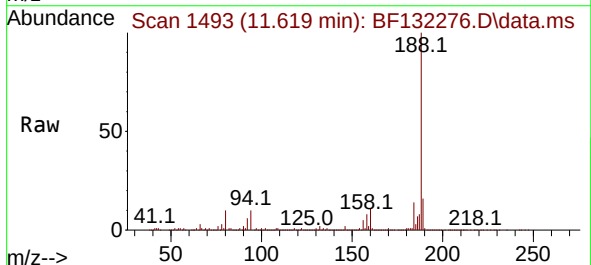
Tgt Ion:166 Resp: 62364
Ion Ratio Lower Upper
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165 99.3 78.0 117.0
167 14.1 10.8 16.2

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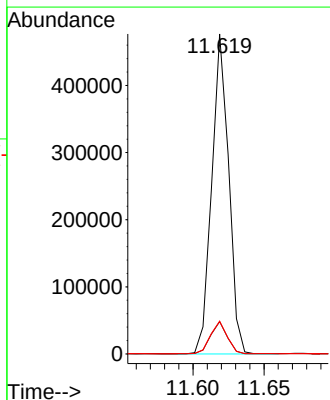
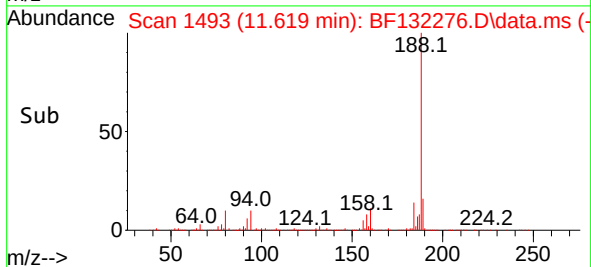
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

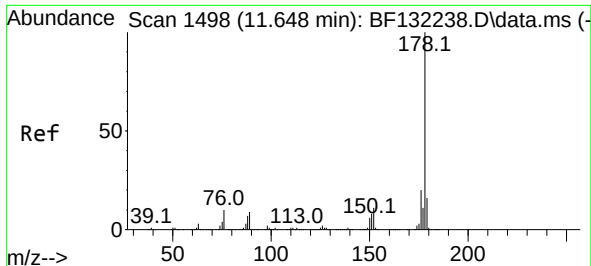


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.619 min Scan# 1493
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45



Tgt Ion:188 Resp: 394630
Ion Ratio Lower Upper
188 100
94 10.1 8.2 12.2
80 10.3 8.3 12.5





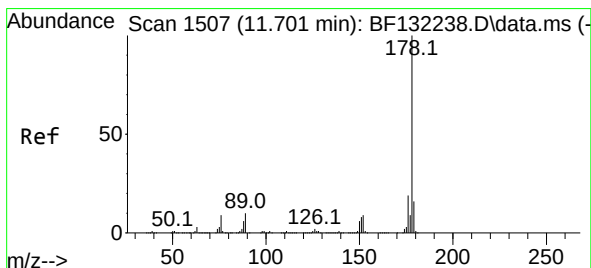
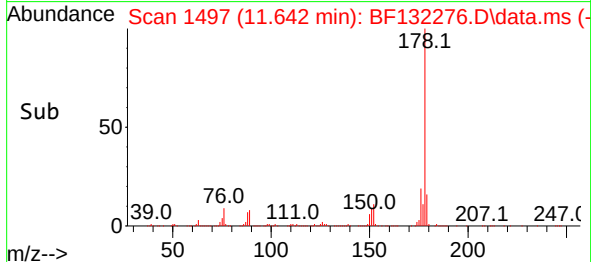
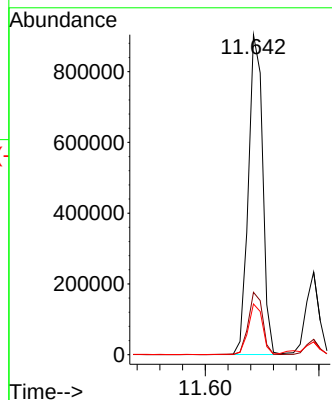
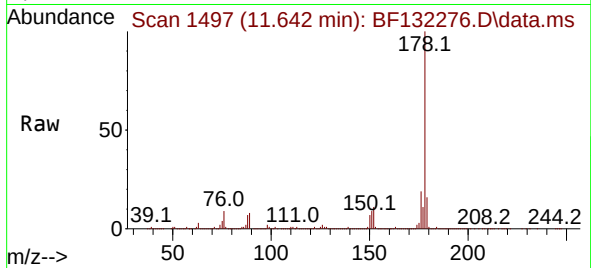
#71
Phenanthrene
Concen: 38.276 ng
RT: 11.642 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

Instrument :
BNA_F
ClientSampleId :
JPP-5-012723

Tgt Ion:178 Resp: 789324
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.8 12.8 19.2

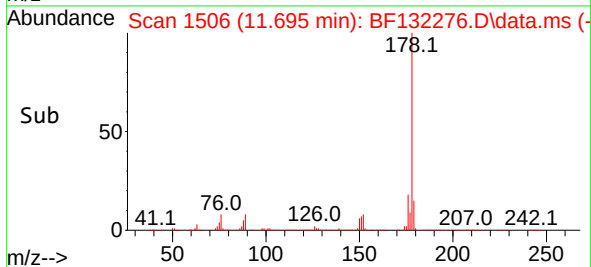
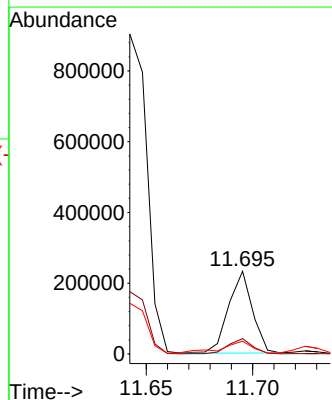
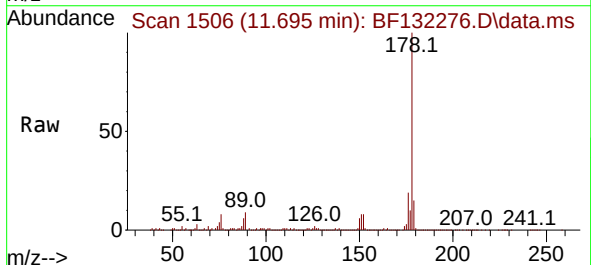
Manual Integrations
APPROVED

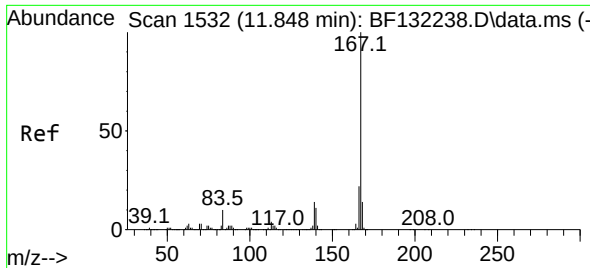
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#72
Anthracene
Concen: 8.662 ng
RT: 11.695 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

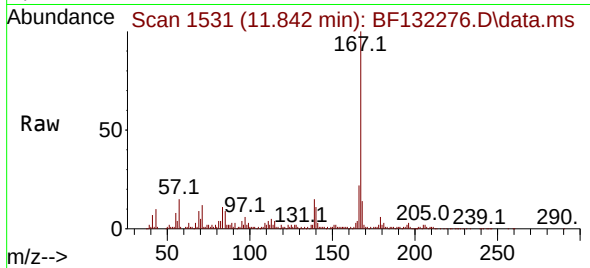
Tgt Ion:178 Resp: 181794
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.4 12.8 19.2





#73
 Carbazole
 Concen: 3.156 ng
 RT: 11.842 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132276.D
 Acq: 01 Feb 2023 23:45

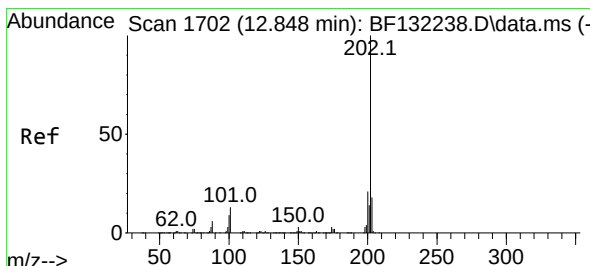
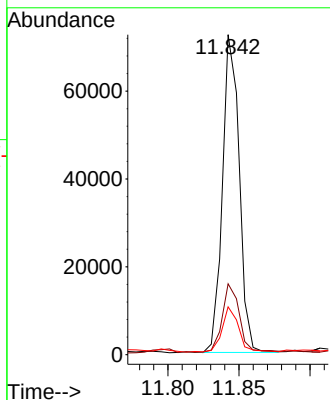
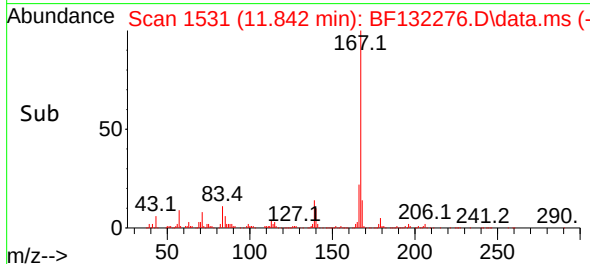
Instrument :
 BNA_F
 ClientSampleId :
 JPP-5-012723



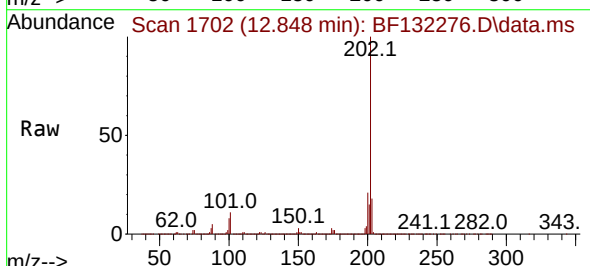
Tgt Ion:167 Resp: 59379
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.0
 139 14.9 11.4 17.2

Manual Integrations
 APPROVED

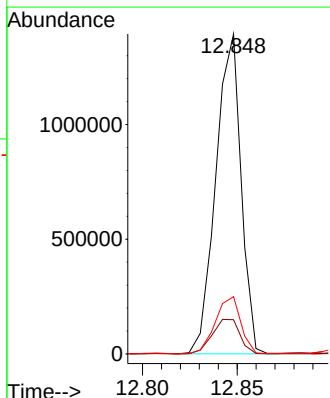
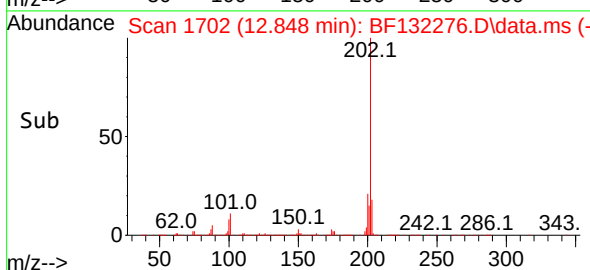
Reviewed By :Christian Giraldo 02/02/2023
 Supervised By :Jagrut Upadhyay 02/02/2023

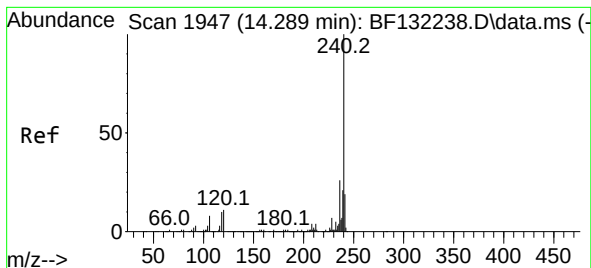


#75
 Fluoranthene
 Concen: 61.415 ng
 RT: 12.848 min Scan# 1702
 Delta R.T. -0.000 min
 Lab File: BF132276.D
 Acq: 01 Feb 2023 23:45



Tgt Ion:202 Resp: 1292406
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 32.7
 203 17.9 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.283 min Scan# 1947

Delta R.T. -0.006 min

Lab File: BF132276.D

Acq: 01 Feb 2023 23:45

Instrument :

BNA_F

ClientSampleId :

JPP-5-012723

Tgt Ion:240 Resp: 268572

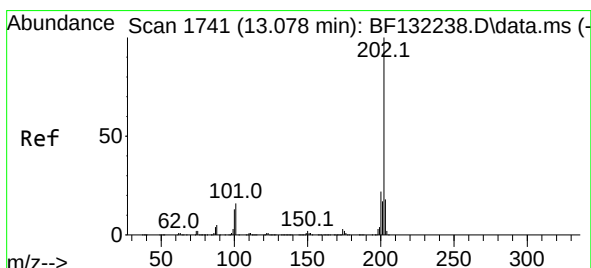
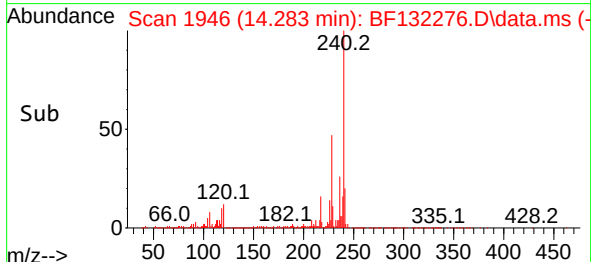
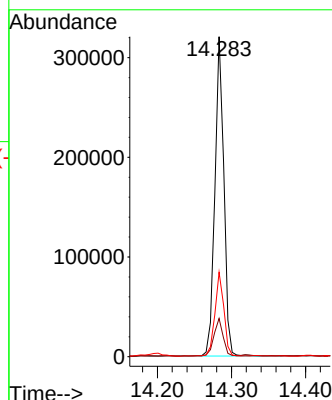
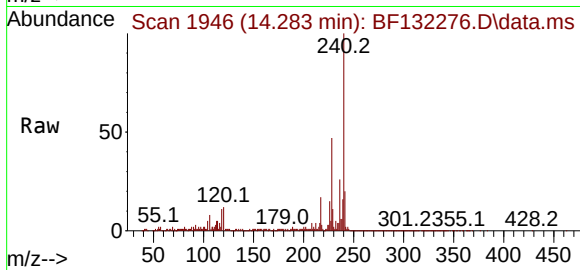
Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.8	13.2
236	26.4	21.0	31.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/02/2023



#78

Pyrene

Concen: 56.520 ng

RT: 13.078 min Scan# 1741

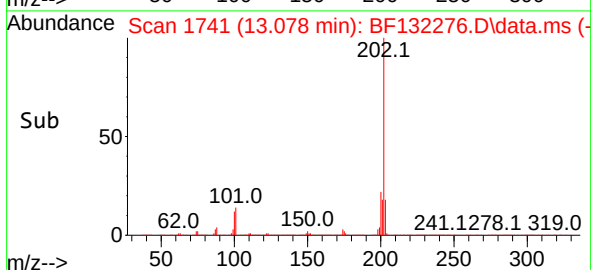
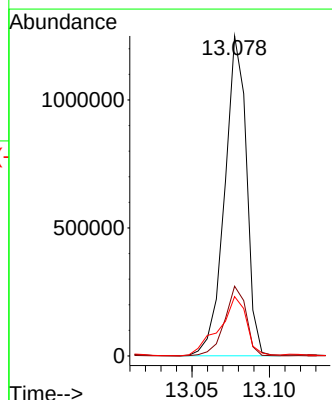
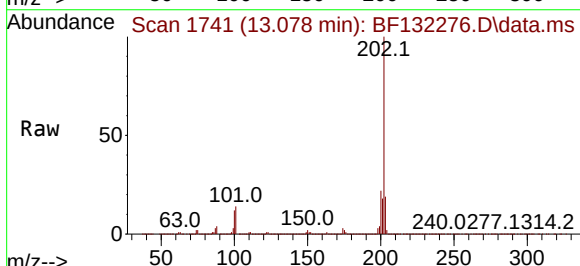
Delta R.T. -0.000 min

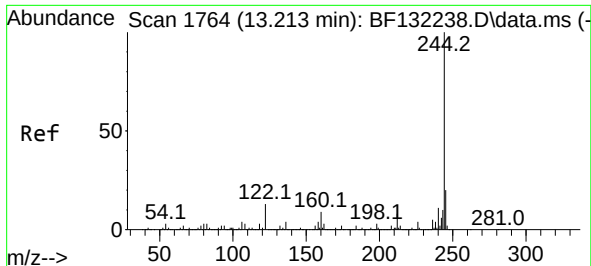
Lab File: BF132276.D

Acq: 01 Feb 2023 23:45

Tgt Ion:202 Resp: 1220915

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.3	25.9
203	18.5	14.4	21.6





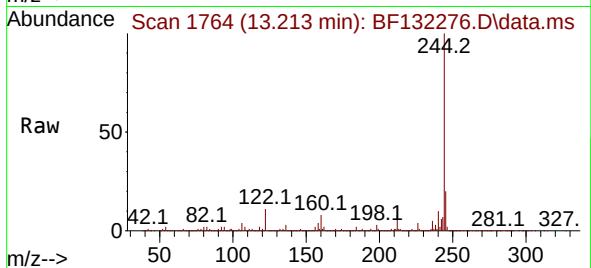
#79
 Terphenyl-d14
 Concen: 68.375 ng
 RT: 13.213 min Scan# 1764
 Delta R.T. -0.000 min
 Lab File: BF132276.D
 Acq: 01 Feb 2023 23:45

Instrument :

BNA_F

ClientSampleId :

JPP-5-012723

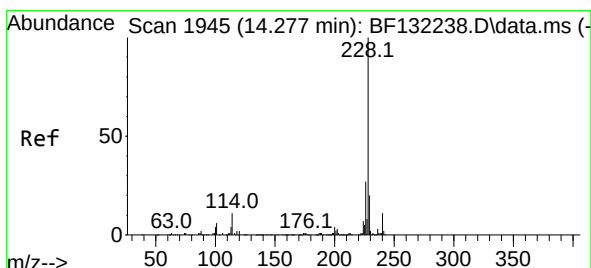
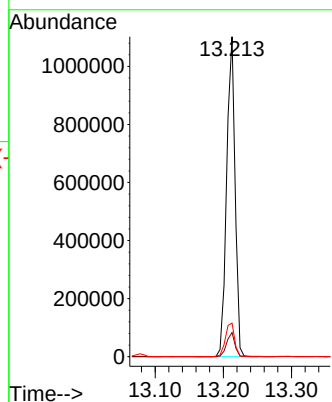
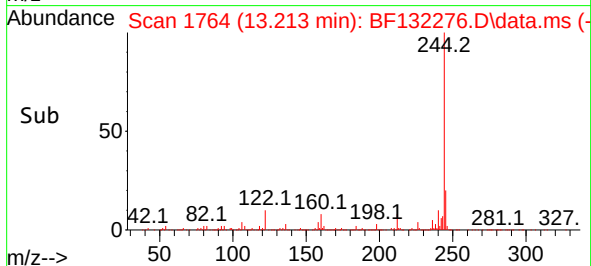


Tgt Ion:244 Resp: 949314
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.4 9.6
 122 10.5 10.5 15.7

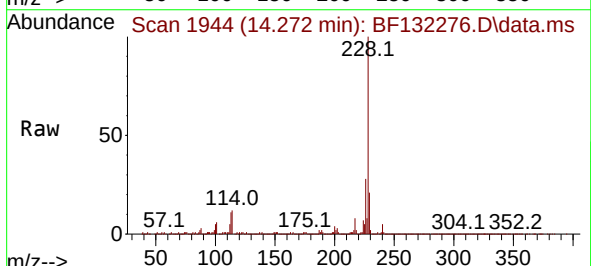
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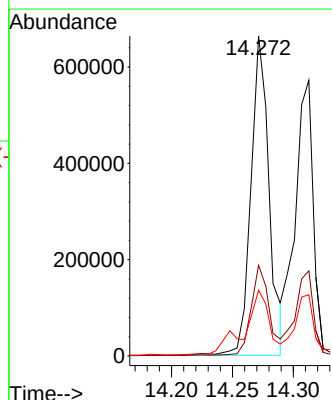
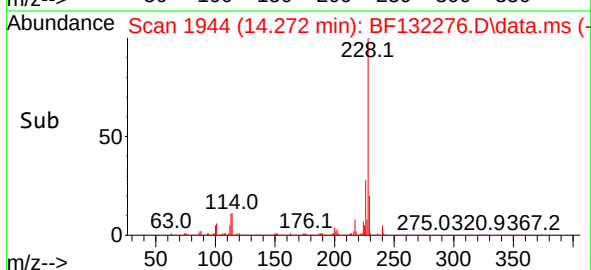
Reviewed By :Christian Giraldo 02/02/2023
 Supervised By :Jagrut Upadhyay 02/02/2023

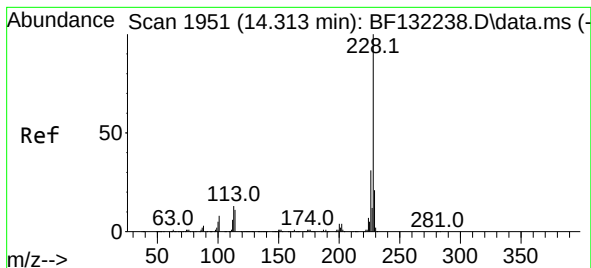


#81
 Benzo(a)anthracene
 Concen: 36.685 ng
 RT: 14.272 min Scan# 1944
 Delta R.T. -0.006 min
 Lab File: BF132276.D
 Acq: 01 Feb 2023 23:45



Tgt Ion:228 Resp: 689102
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.0 33.0
 229 20.5 15.8 23.6





#83

Chrysene

Concen: 33.904 ng

RT: 14.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: BF132276.D

Acq: 01 Feb 2023 23:45

Instrument :

BNA_F

ClientSampleId :

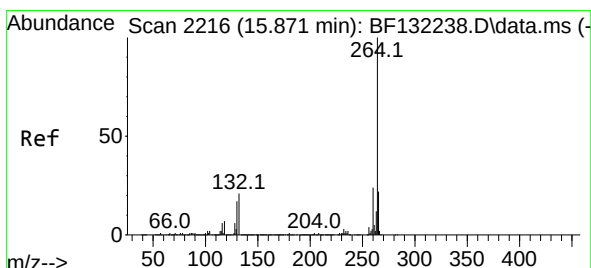
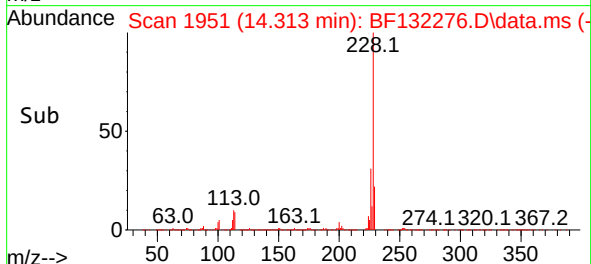
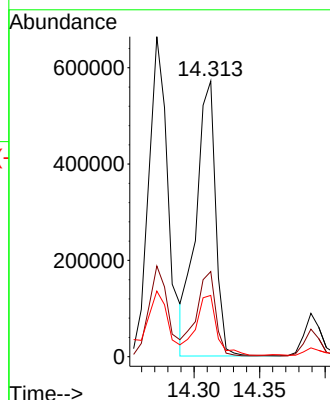
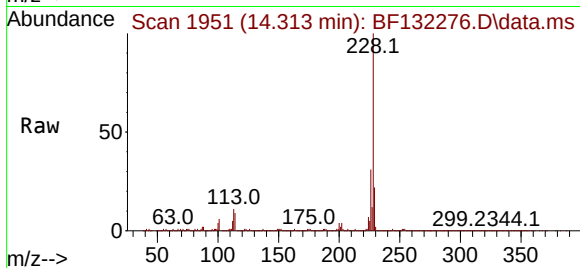
JPP-5-012723

Tgt Ion:228 Resp: 59634
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.9 37.3
 229 22.2 16.4 24.6

Manual Integrations

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



#86

Perylene-d12

Concen: 20.000 ng

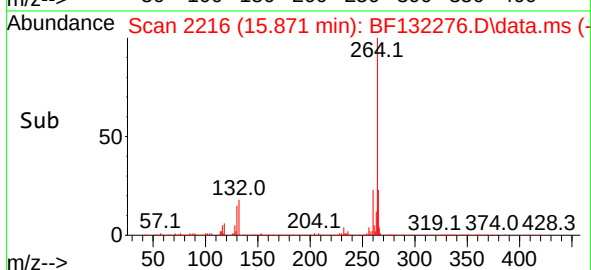
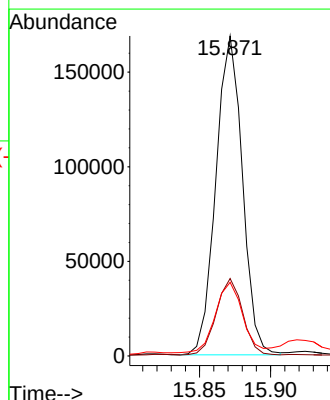
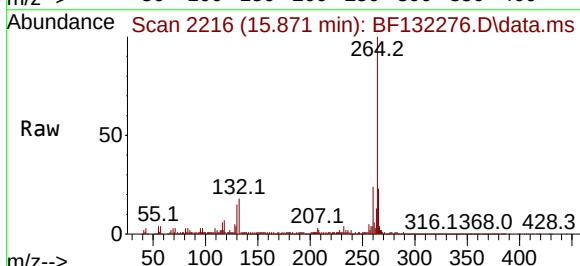
RT: 15.871 min Scan# 2216

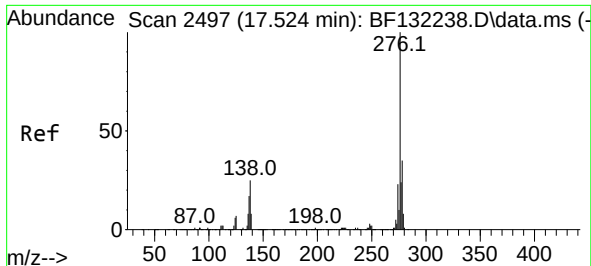
Delta R.T. -0.000 min

Lab File: BF132276.D

Acq: 01 Feb 2023 23:45

Tgt Ion:264 Resp: 218697
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.4
 265 23.0 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 21.109 ng m
RT: 17.518 min Scan# 2496
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

Instrument :

BNA_F

ClientSampleId :

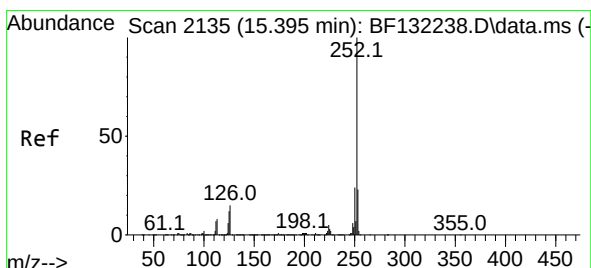
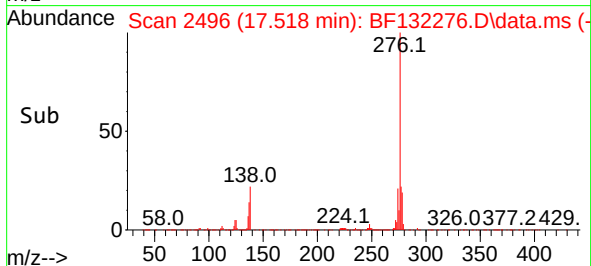
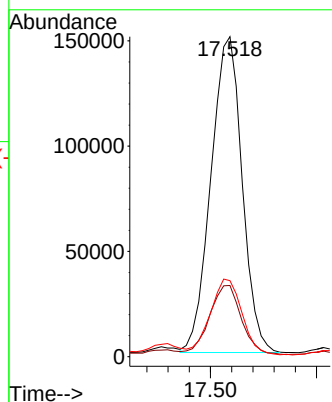
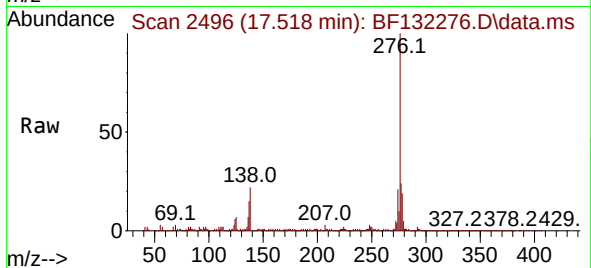
JPP-5-012723

Tgt Ion:276 Resp: 306740
Ion Ratio Lower Upper
276 100
138 4.6 23.3 34.9
277 4.7 20.0 30.0

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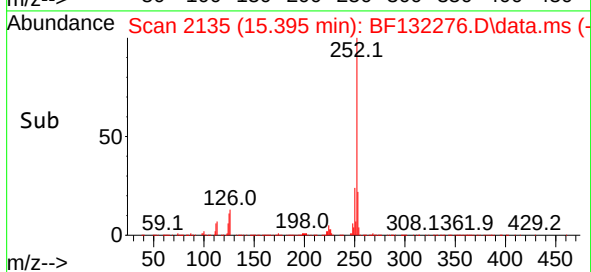
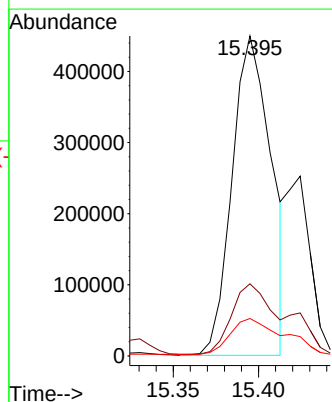
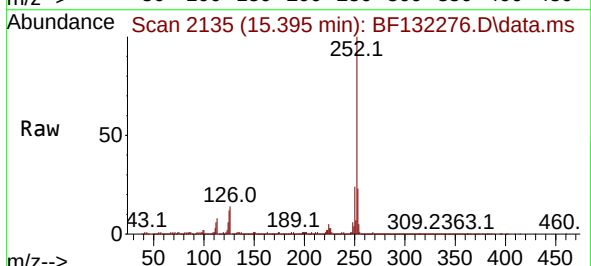
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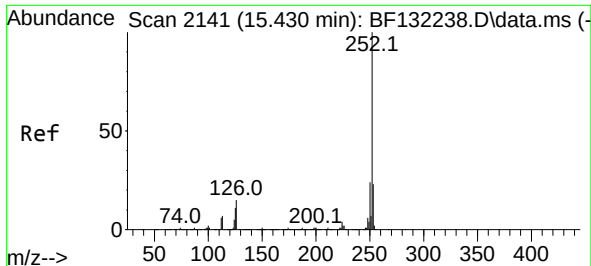
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#88
Benzo(b)fluoranthene
Concen: 51.565 ng m
RT: 15.395 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

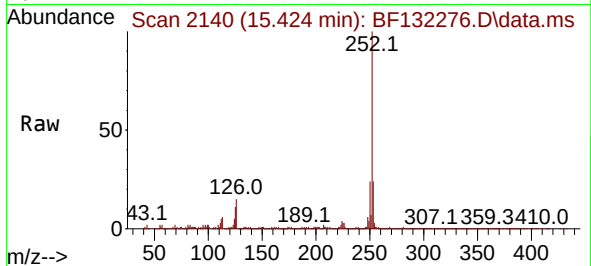
Tgt Ion:252 Resp: 716828
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 11.7 9.6 14.4





#89
Benzo(k)fluoranthene
Concen: 17.912 ng m
RT: 15.424 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

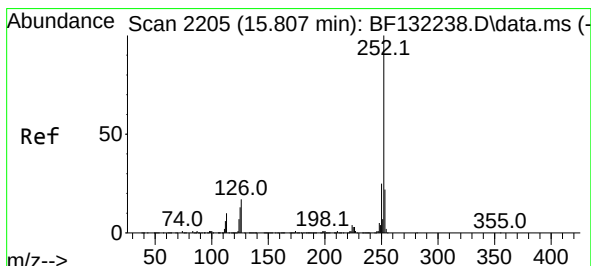
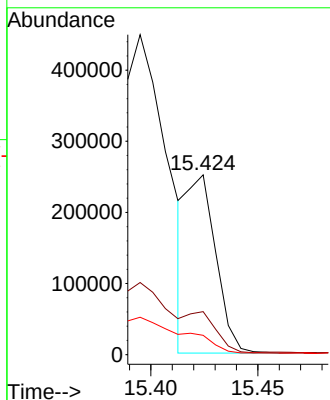
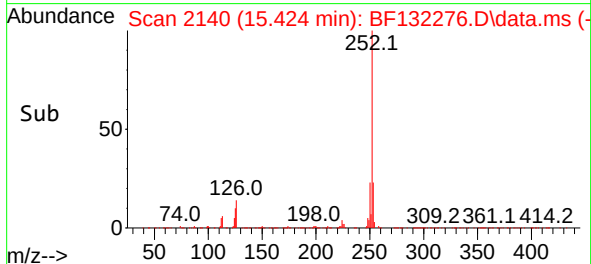
Instrument :
BNA_F
ClientSampleId :
JPP-5-012723



Tgt Ion:252 Resp: 237678
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.2
125 10.7 9.0 13.6

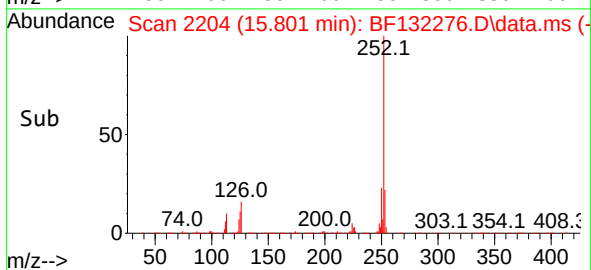
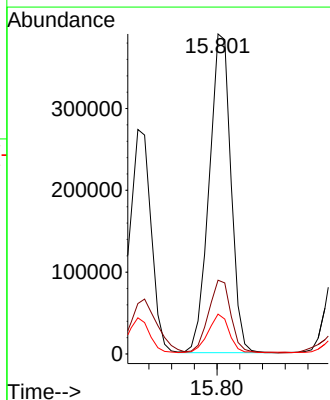
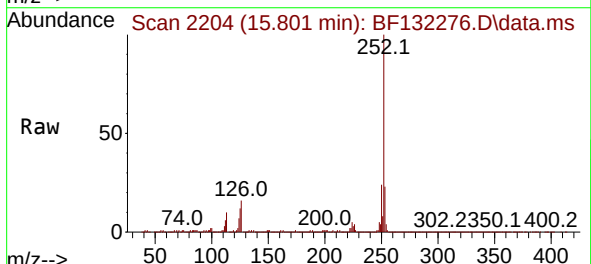
Manual Integrations
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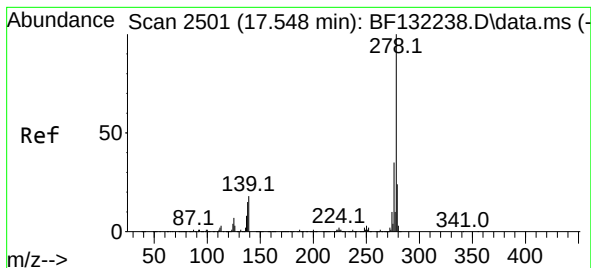
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#90
Benzo(a)pyrene
Concen: 40.096 ng
RT: 15.801 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BF132276.D
Acq: 01 Feb 2023 23:45

Tgt Ion:252 Resp: 519035
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 12.5 10.2 15.4





#91

Dibenzo(a,h)anthracene

Concen: 6.242 ng m

RT: 17.524 min Scan# 2497

Delta R.T. -0.024 min

Lab File: BF132276.D

Acq: 01 Feb 2023 23:45

Instrument :

BNA_F

ClientSampleId :

JPP-5-012723

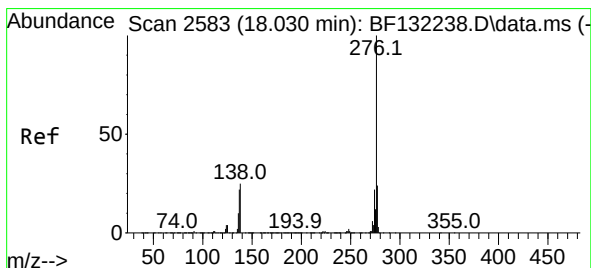
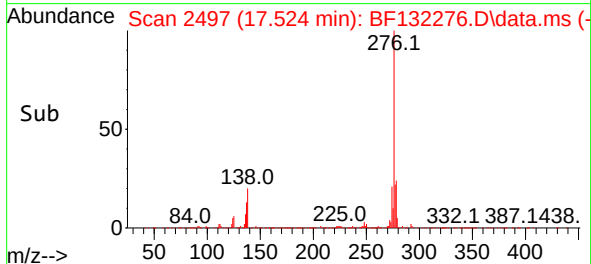
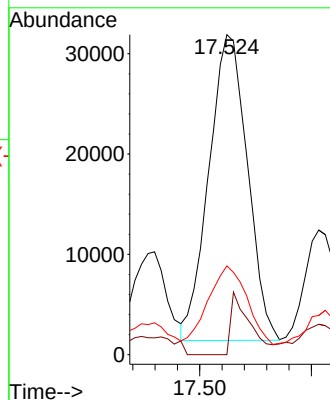
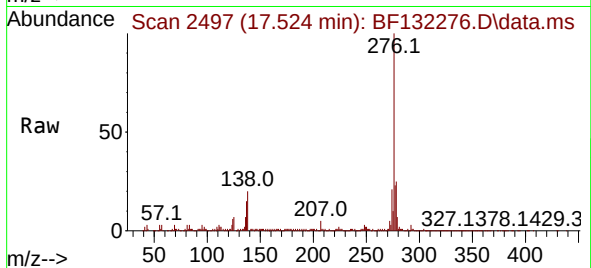
Tgt Ion:278 Resp: 72920
 Ion Ratio Lower Upper
 278 100
 139 0.0 14.2 21.2
 279 27.8 19.6 29.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/02/2023



#92

Benzo(g,h,i)perylene

Concen: 25.509 ng

RT: 18.018 min Scan# 2581

Delta R.T. -0.012 min

Lab File: BF132276.D

Acq: 01 Feb 2023 23:45

Tgt Ion:276 Resp: 307895
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.4 29.2
 138 23.2 20.3 30.5

