

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030723\
 Data File : BF132678.D
 Acq On : 07 Mar 2023 15:06
 Operator : CG\JU
 Sample : 01817-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-04-03032023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/08/2023
 Supervised By : Jagrut Upadhyay 03/08/2023

Quant Time: Mar 08 04:40:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 13:42:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.986	152	168192	20.000	ng	0.00
21) Naphthalene-d8	8.275	136	590397	20.000	ng	0.00
39) Acenaphthene-d10	10.033	164	290114	20.000	ng	0.00
64) Phenanthrene-d10	11.527	188	489390	20.000	ng	0.00
76) Chrysene-d12	14.198	240	324670	20.000	ng	0.00
86) Perylene-d12	15.739	264	262622	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	943230	91.017	ng	0.00
7) Phenol-d6	6.616	99	1165553	86.178	ng	0.00
23) Nitrobenzene-d5	7.551	82	744059	59.793	ng	-0.01
42) 2,4,6-Tribromophenol	10.827	330	258312	82.446	ng	0.00
45) 2-Fluorobiphenyl	9.345	172	1137030	59.677	ng	-0.01
79) Terphenyl-d14	13.121	244	1114360	58.031	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.898	152	153757	5.549	ng	98
52) Acenaphthene	10.069	154	65334	3.713	ng	96
55) Dibenzofuran	10.239	168	59086	2.304	ng	# 96
58) Fluorene	10.586	166	128631	6.556	ng	92
71) Phenanthrene	11.557	178	824930	32.538	ng	98
72) Anthracene	11.604	178	265385	10.165	ng	99
73) Carbazole	11.757	167	59959	2.547	ng	97
75) Fluoranthene	12.757	202	1882020	67.904	ng	98
78) Pyrene	12.992	202	1990029	67.417	ng	99
81) Benzo(a)anthracene	14.186	228	1165224	47.966	ng	94
83) Chrysene	14.221	228	1171117	51.554	ng	99
87) Indeno(1,2,3-cd)pyrene	17.339	276	466092	27.085	ng	97
88) Benzo(b)fluoranthene	15.286	252	1167625m	66.344	ng	
89) Benzo(k)fluoranthene	15.309	252	464845m	26.987	ng	
90) Benzo(a)pyrene	15.680	252	842392	51.142	ng	97
91) Dibenzo(a,h)anthracene	17.345	278	126575	9.028	ng	95
92) Benzo(g,h,i)perylene	17.821	276	468632	30.196	ng	98

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

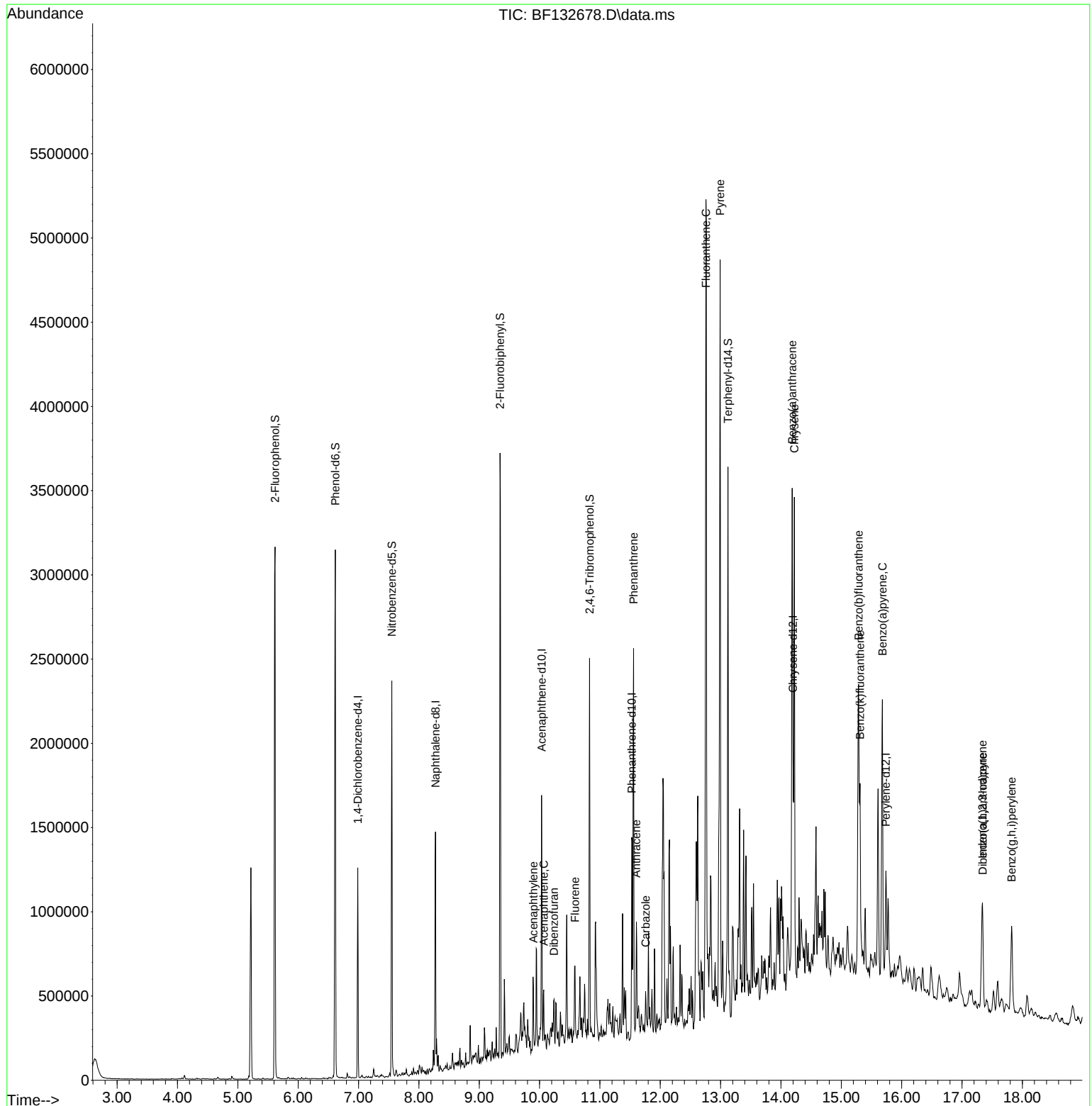
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030723\
Data File : BF132678.D
Acq On : 07 Mar 2023 15:06
Operator : CG\JU
Sample : 01817-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

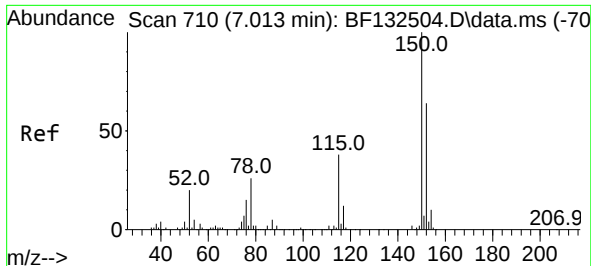
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

Quant Time: Mar 08 04:40:09 2023
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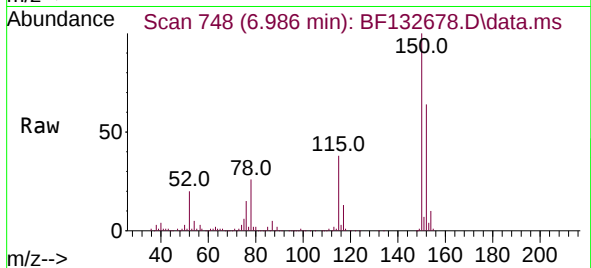
Reviewed By : Christian Giraldo 03/08/2023
Supervised By : Jagrut Upadhyay 03/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.986 min Scan# 74
Delta R.T. -0.007 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

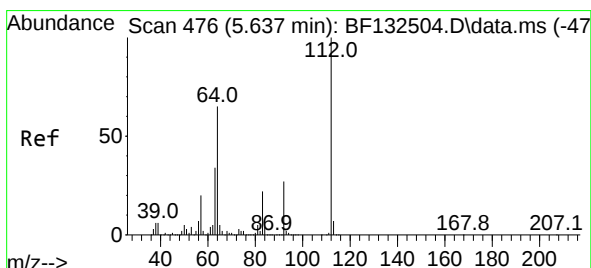
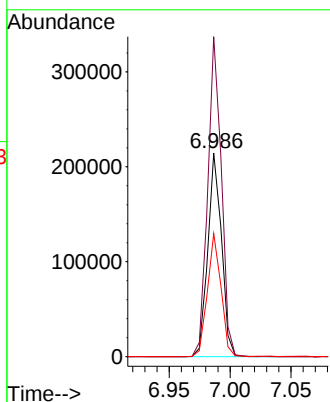
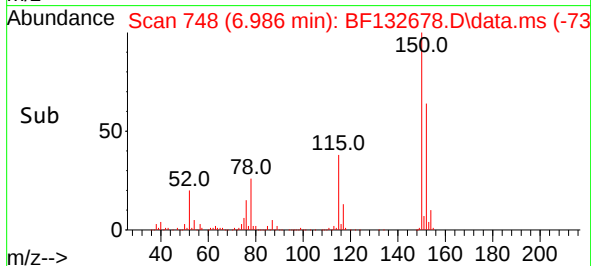
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023



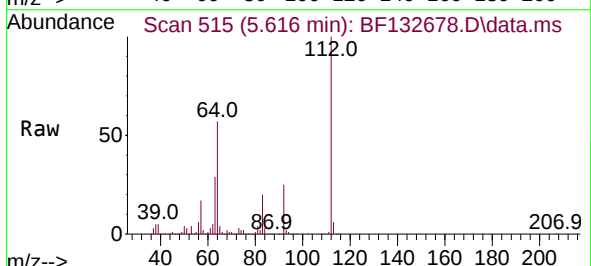
Tgt Ion:152 Resp: 168192
Ion Ratio Lower Upper
152 100
150 157.2 125.4 188.2
115 60.4 47.8 71.6

Manual Integrations
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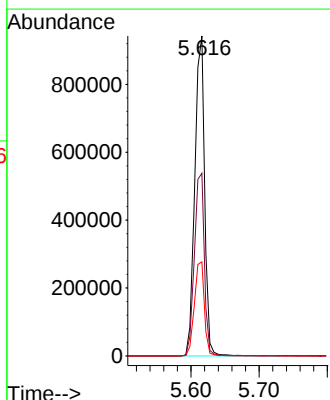
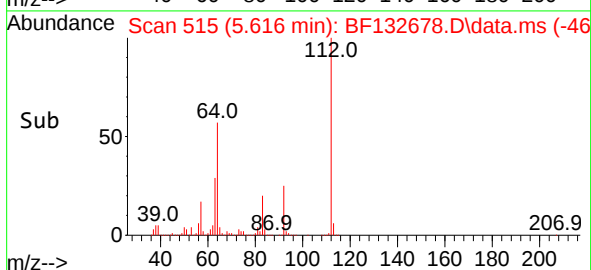
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023

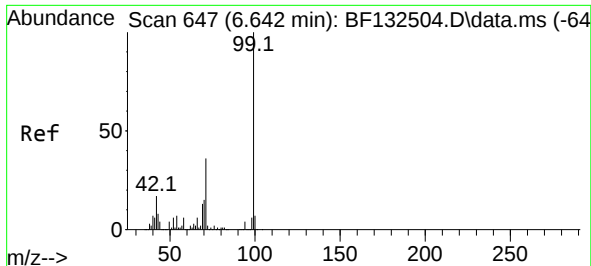


#5
2-Fluorophenol
Concen: 91.017 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.000 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06



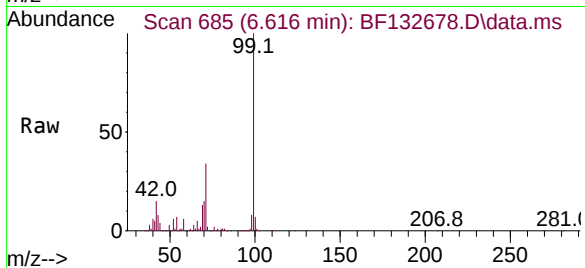
Tgt Ion:112 Resp: 943230
Ion Ratio Lower Upper
112 100
64 57.1 51.6 77.4
63 29.4 27.4 41.2





#7
Phenol-d6
Concen: 86.178 ng
RT: 6.616 min Scan# 685
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

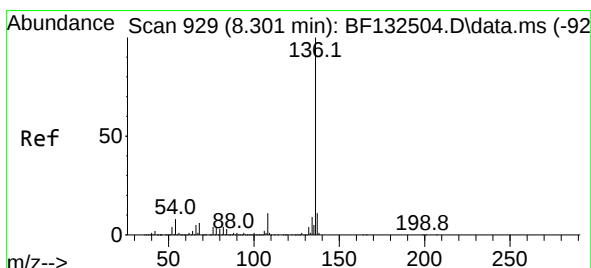
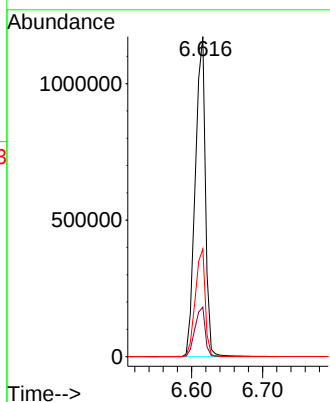
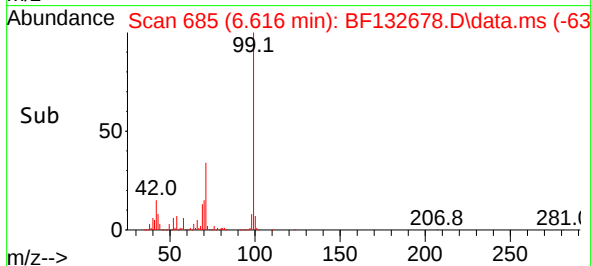
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023



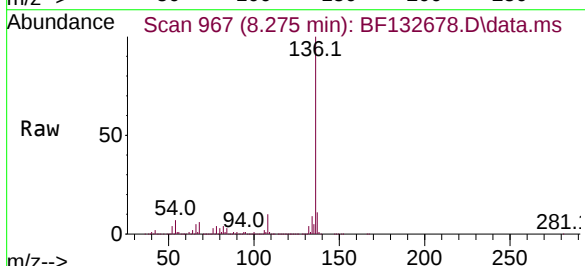
Tgt Ion: 99 Resp: 116555
Ion Ratio Lower Upper
99 100
42 15.5 13.9 20.9
71 33.7 28.5 42.7

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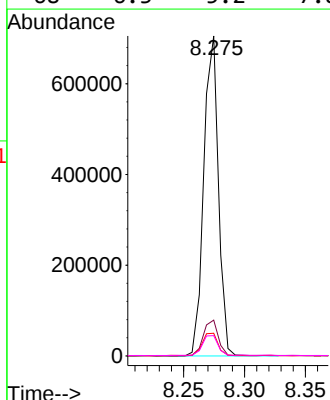
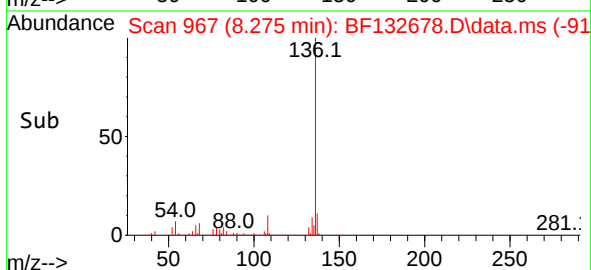
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023

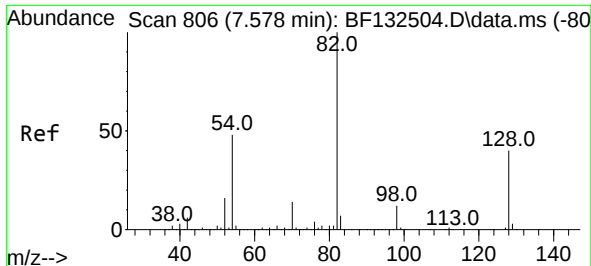


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.275 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06



Tgt Ion:136 Resp: 590397
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.1 6.2 9.4
68 6.3 5.2 7.8





#23

Nitrobenzene-d5

Concen: 59.793 ng

RT: 7.551 min Scan# 844

Delta R.T. -0.012 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

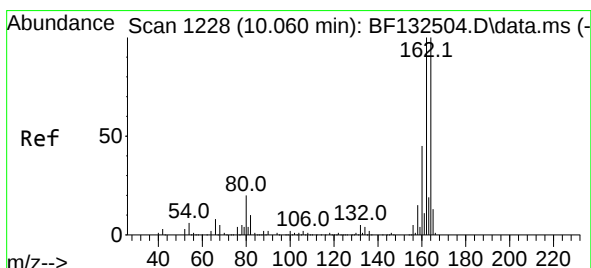
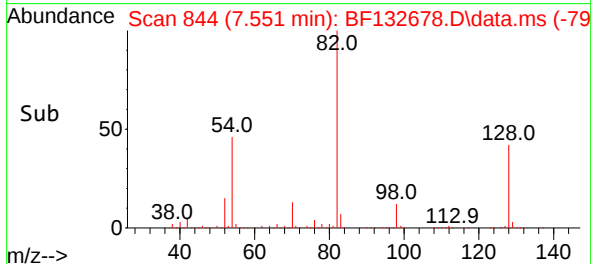
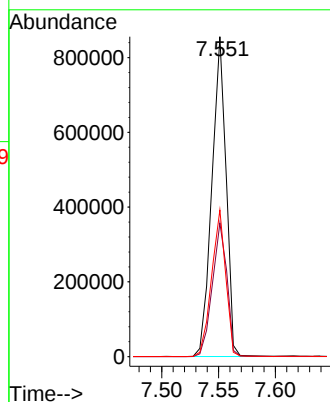
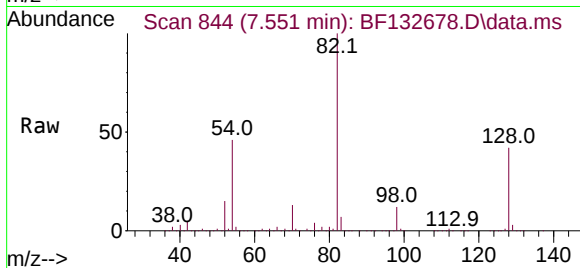
Tgt Ion: 82 Resp: 744059

Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.2	48.2
54	45.8	38.4	57.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.033 min Scan# 1266

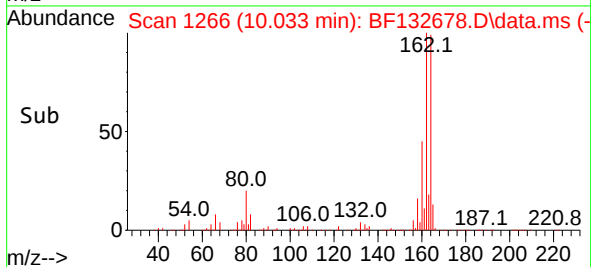
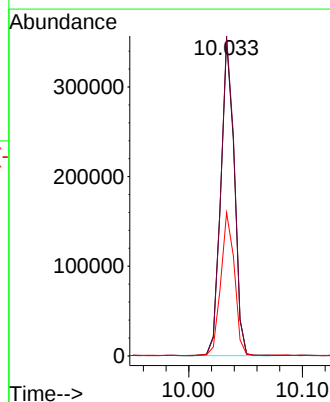
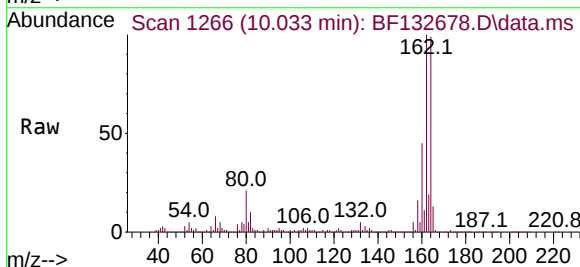
Delta R.T. -0.006 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

Tgt Ion:164 Resp: 290114

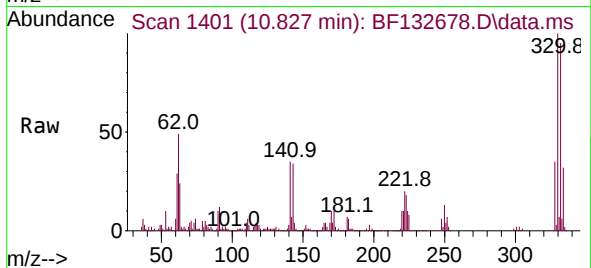
Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.8	119.8
160	45.4	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 82.446 ng
RT: 10.827 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

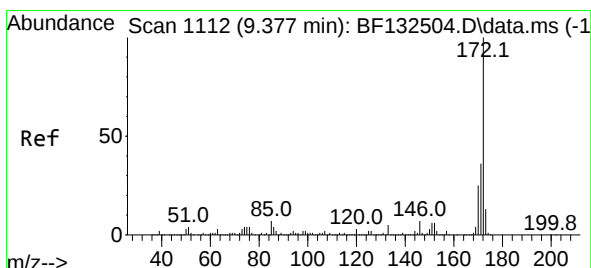
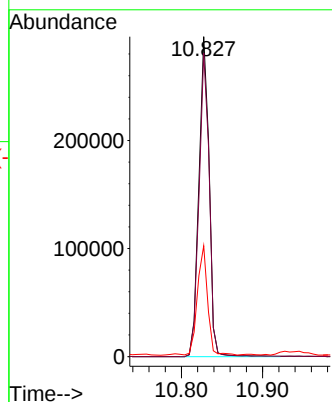
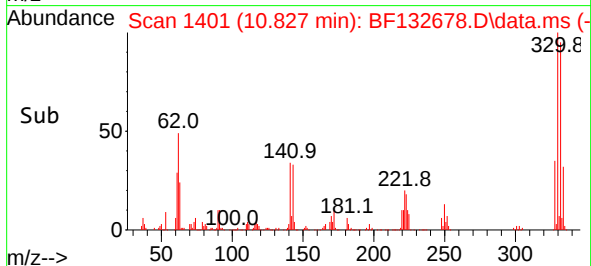
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023



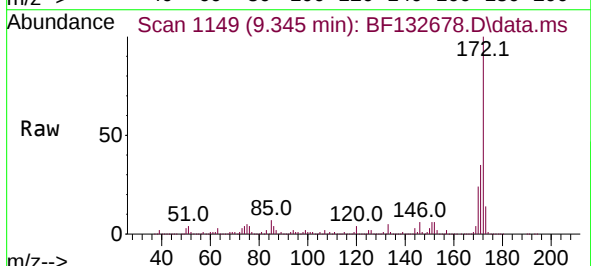
Tgt Ion:330 Resp: 258312
Ion Ratio Lower Upper
330 100
332 94.8 76.2 114.4
141 33.6 28.4 42.6

Manual Integrations
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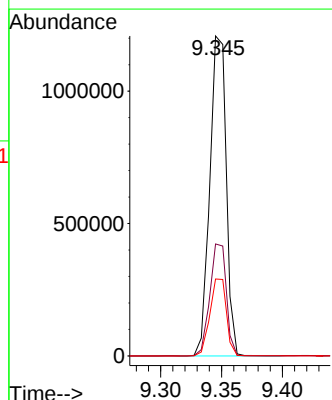
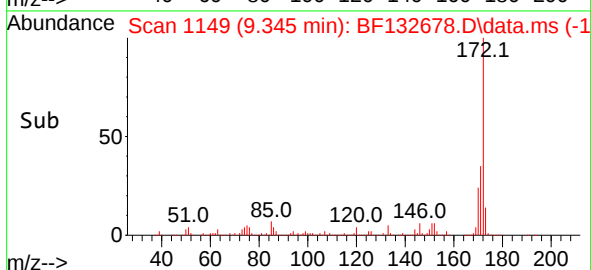
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023

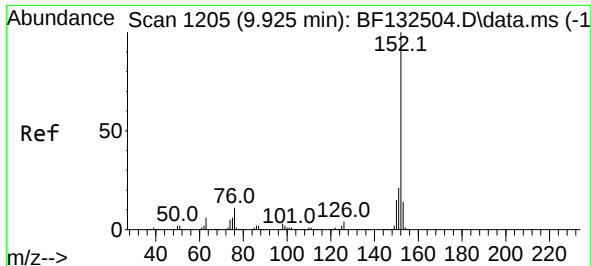


#45
2-Fluorobiphenyl
Concen: 59.677 ng
RT: 9.345 min Scan# 1149
Delta R.T. -0.012 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06



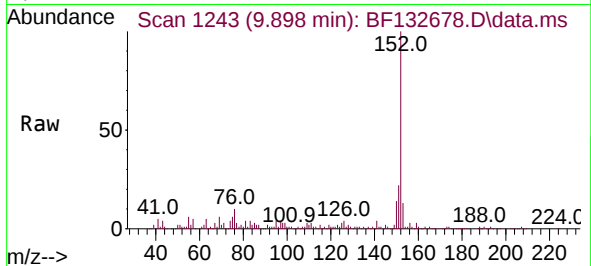
Tgt Ion:172 Resp: 1137030
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 24.0 19.7 29.5





#49
Acenaphthylene
Concen: 5.549 ng
RT: 9.898 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

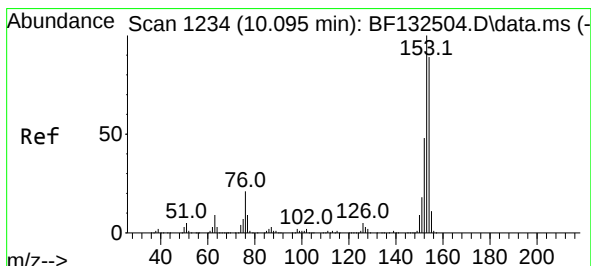
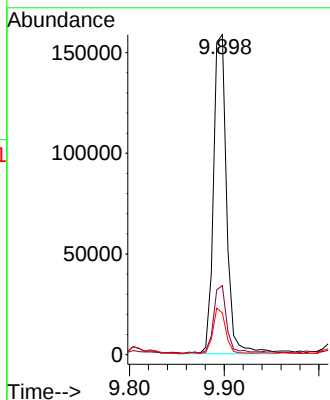
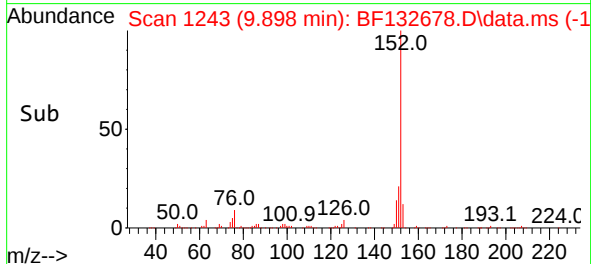
Instrument : BNA_F
ClientSampleId : PL-04-03032023



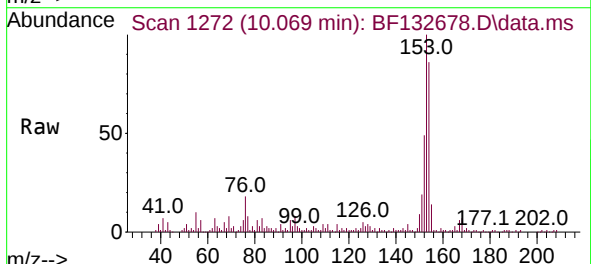
Tgt Ion:152 Resp: 153752
Ion Ratio Lower Upper
152 100
151 21.6 16.4 24.6
153 13.0 11.0 16.6

Manual Integrations
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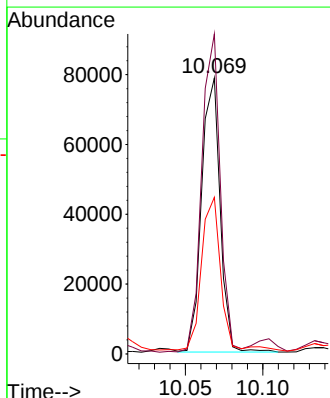
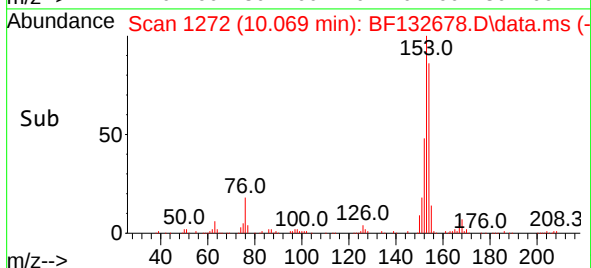
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023

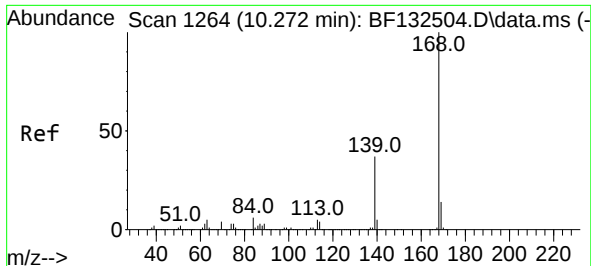


#52
Acenaphthene
Concen: 3.713 ng
RT: 10.069 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06



Tgt Ion:154 Resp: 65334
Ion Ratio Lower Upper
154 100
153 116.0 89.8 134.8
152 56.7 43.3 64.9





#55

Dibenzenofuran

Concen: 2.304 ng

RT: 10.239 min Scan# 1301

Delta R.T. -0.006 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

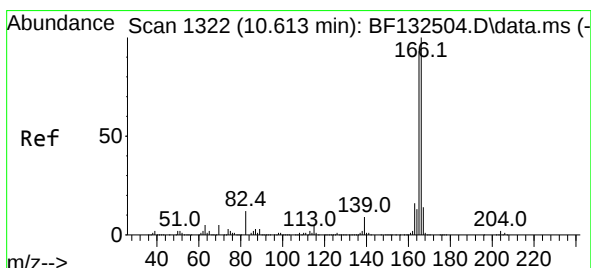
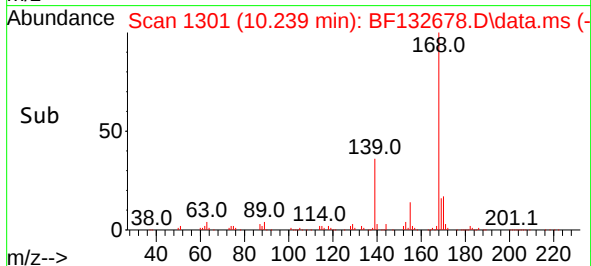
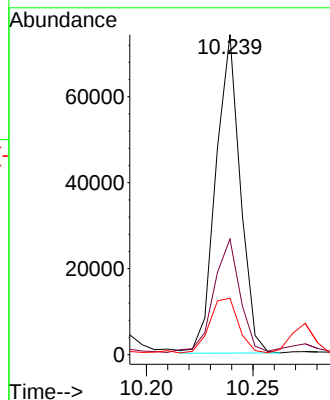
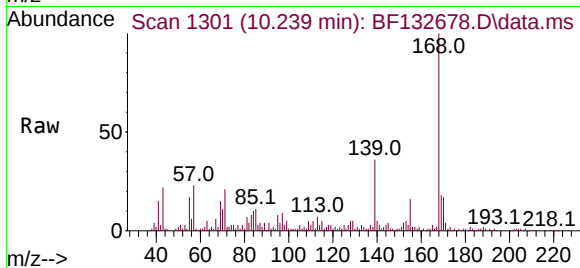
Tgt Ion:168	Resp:	59086
Ion Ratio	Lower	Upper
168	100	
139	36.1	29.8 44.6
169	17.6	10.9 16.3

Manual Integrations

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#58

Fluorene

Concen: 6.556 ng

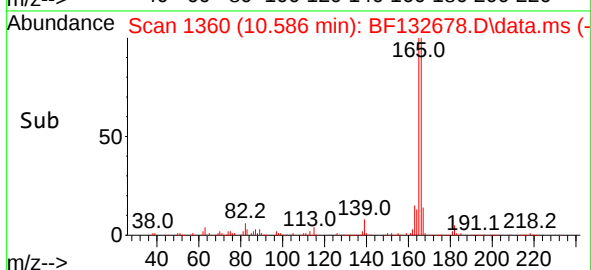
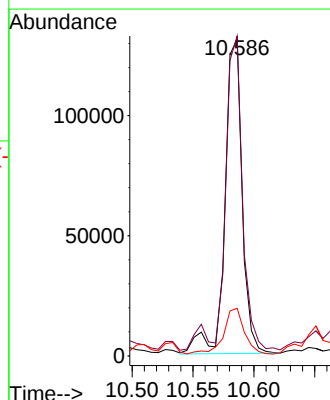
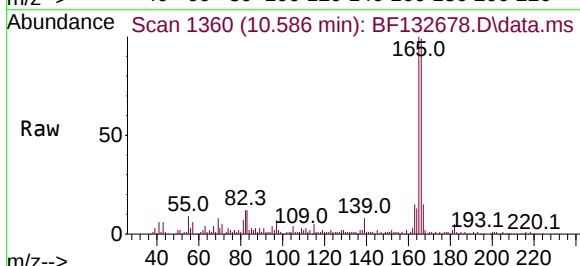
RT: 10.586 min Scan# 1360

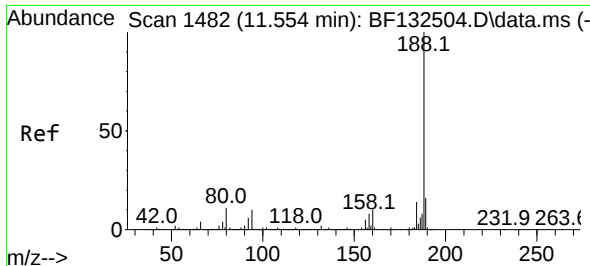
Delta R.T. -0.006 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

Tgt Ion:166	Resp:	128631
Ion Ratio	Lower	Upper
166	100	
165	100.8	74.2 111.4
167	15.0	11.1 16.7





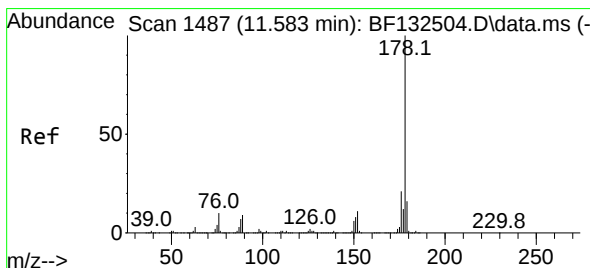
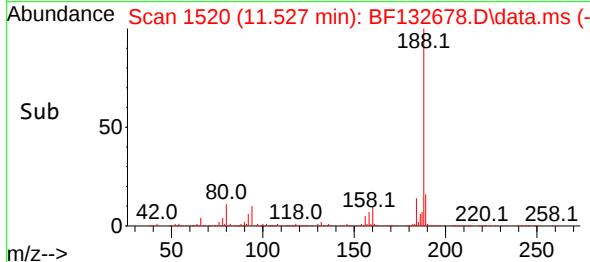
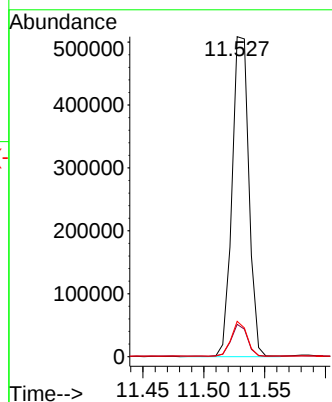
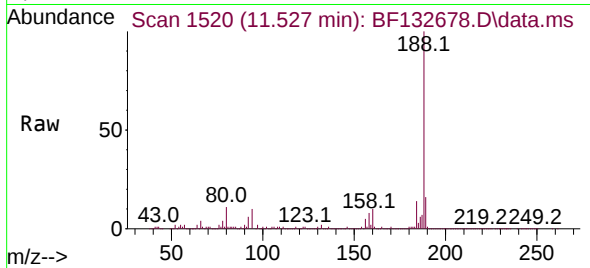
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

Tgt Ion:188 Resp: 489390
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 11.0 8.7 13.1

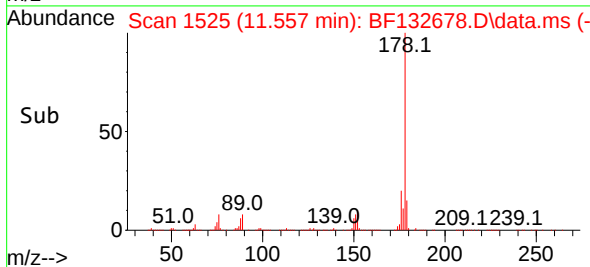
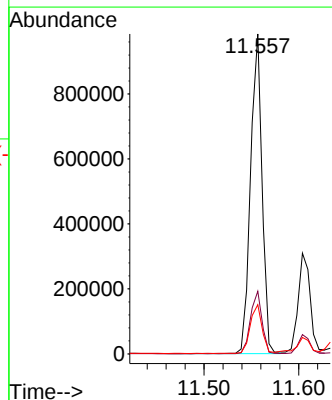
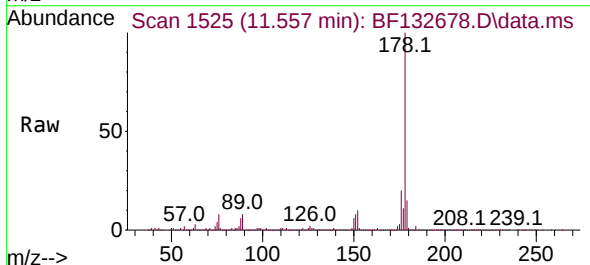
Manual Integrations
APPROVED

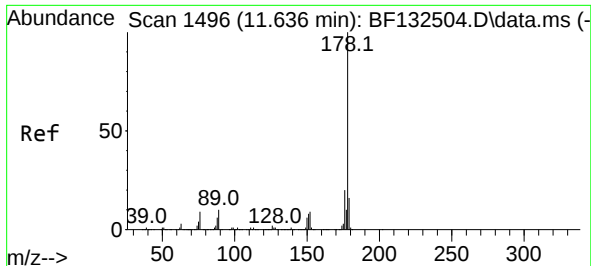
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#71
Phenanthrene
Concen: 32.538 ng
RT: 11.557 min Scan# 1525
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

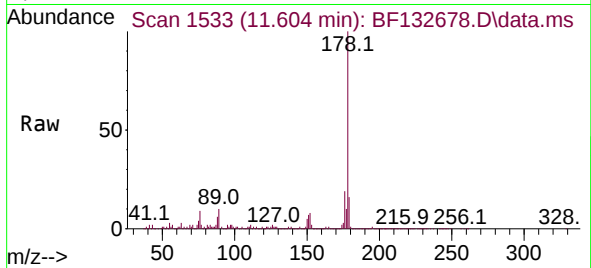
Tgt Ion:178 Resp: 824930
Ion Ratio Lower Upper
178 100
176 19.6 16.5 24.7
179 15.4 13.0 19.6





#72
 Anthracene
 Concen: 10.165 ng
 RT: 11.604 min Scan# 1533
 Delta R.T. -0.012 min
 Lab File: BF132678.D
 Acq: 07 Mar 2023 15:06

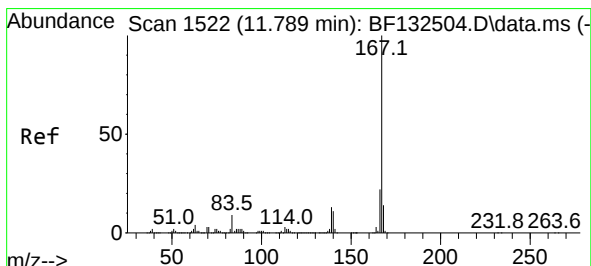
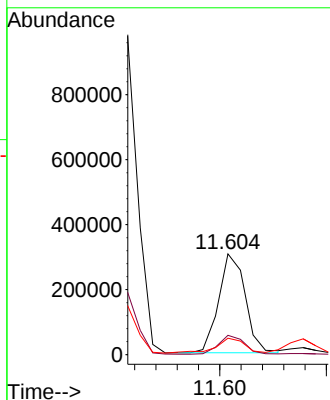
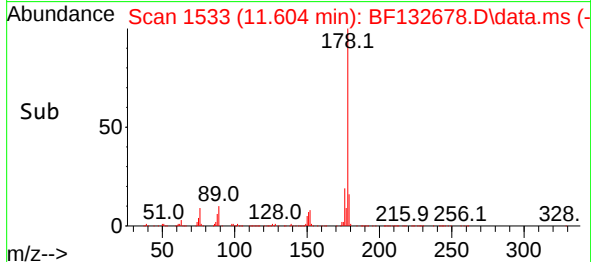
Instrument :
 BNA_F
 ClientSampleId :
 PL-04-03032023



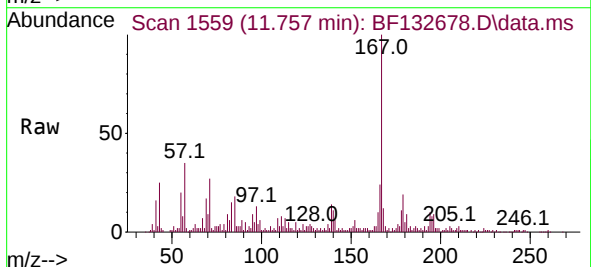
Tgt Ion:178 Resp: 265385
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.6 23.4
 179 16.3 12.5 18.7

Manual Integrations
 APPROVED

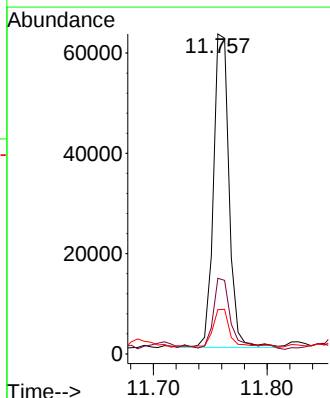
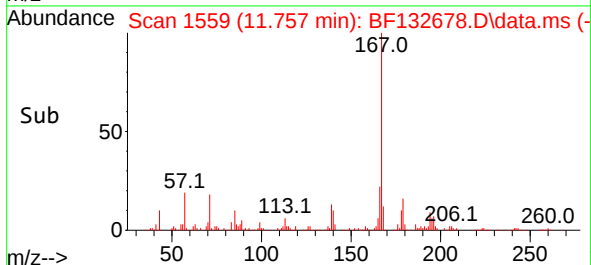
Reviewed By :Christian Giraldo 03/08/2023
 Supervised By :Jagrut Upadhyay 03/08/2023

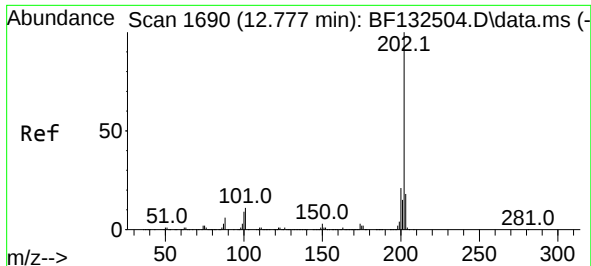


#73
 Carbazole
 Concen: 2.547 ng
 RT: 11.757 min Scan# 1559
 Delta R.T. -0.012 min
 Lab File: BF132678.D
 Acq: 07 Mar 2023 15:06



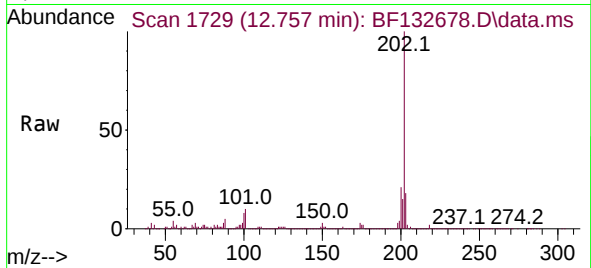
Tgt Ion:167 Resp: 59959
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.7 26.5
 139 13.8 10.5 15.7





#75
Fluoranthene
Concen: 67.904 ng
RT: 12.757 min Scan# 1729
Delta R.T. -0.000 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

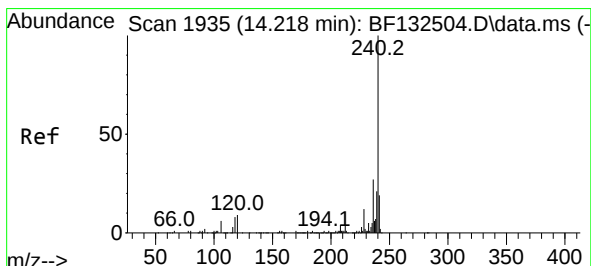
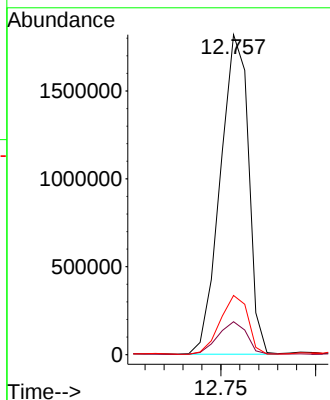
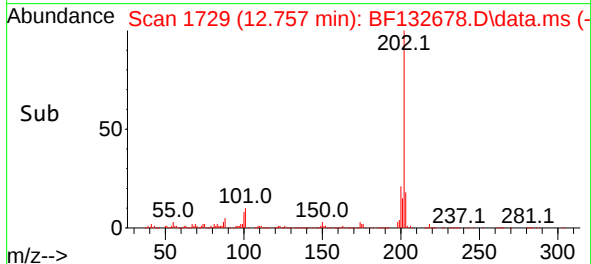
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023



Tgt Ion:202 Resp: 1882020
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.4
203 18.5 0.0 38.0

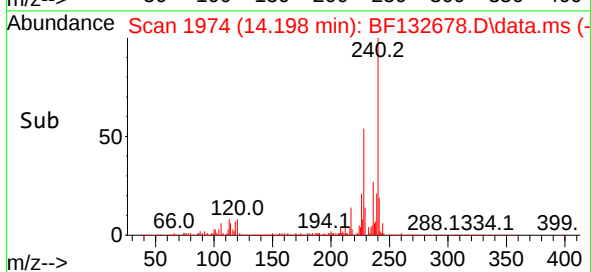
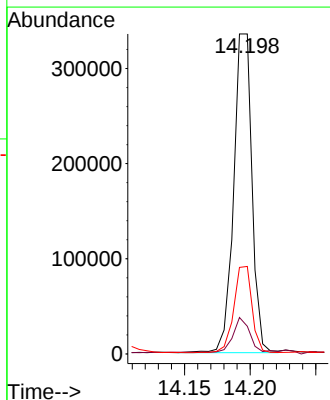
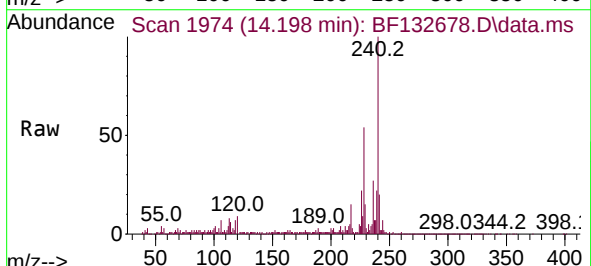
Manual Integrations
APPROVED

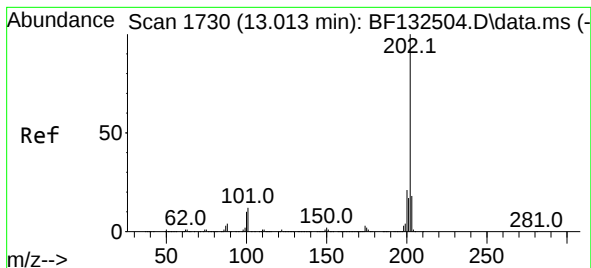
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.198 min Scan# 1974
Delta R.T. -0.000 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Tgt Ion:240 Resp: 324670
Ion Ratio Lower Upper
240 100
120 8.6 7.2 10.8
236 27.3 21.8 32.6





#78

Pyrene

Concen: 67.417 ng

RT: 12.992 min Scan# 1769

Delta R.T. -0.000 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

Tgt Ion:202 Resp: 1990029

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

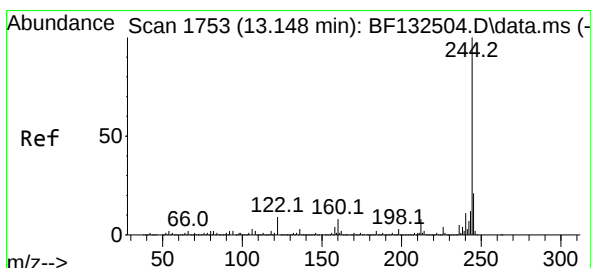
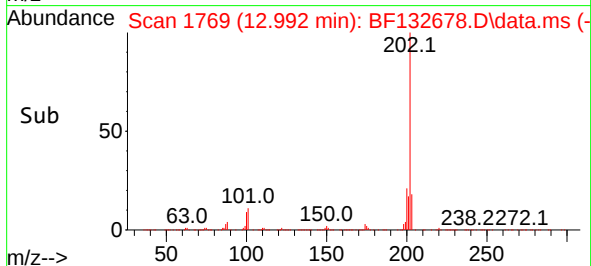
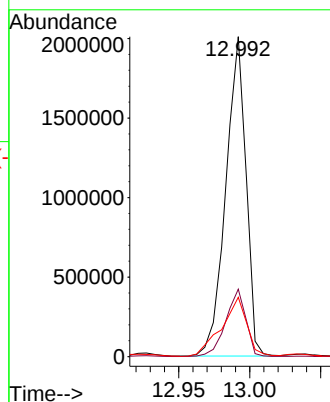
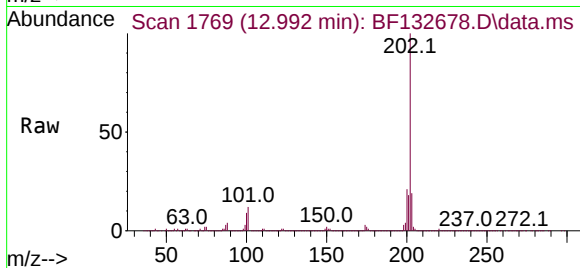
203 18.5 14.6 21.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/08/2023

Supervised By :Jagrut Upadhyay 03/08/2023



#79

Terphenyl-d14

Concen: 58.031 ng

RT: 13.121 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

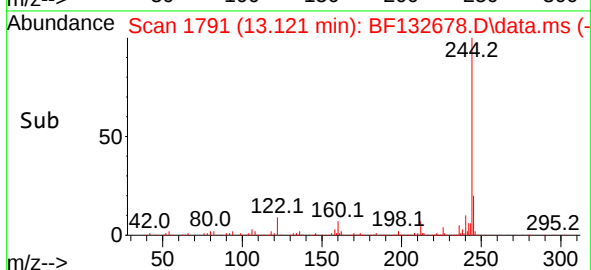
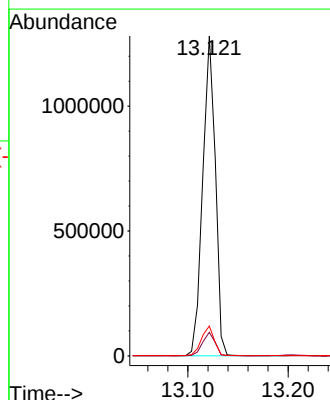
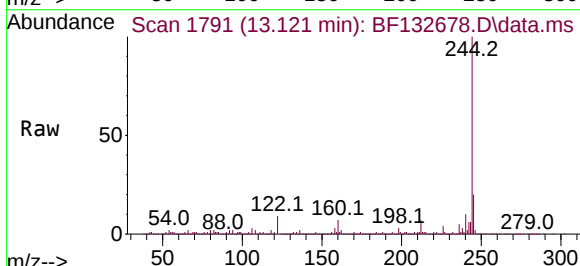
Tgt Ion:244 Resp: 1114360

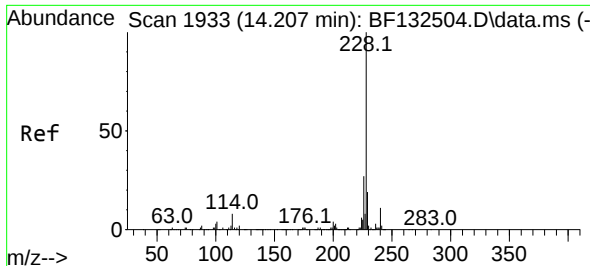
Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

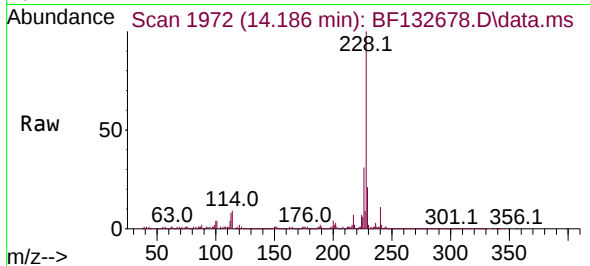
122 9.3 7.5 11.3





#81
Benzo(a)anthracene
Concen: 47.966 ng
RT: 14.186 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

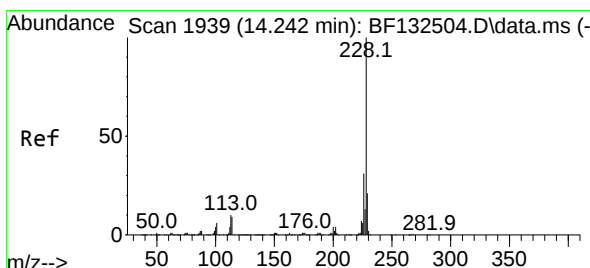
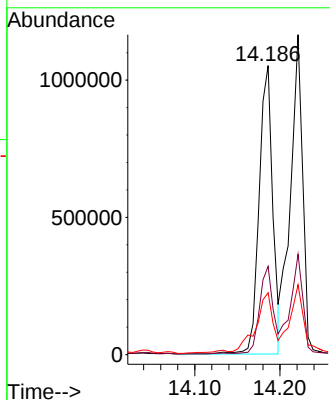
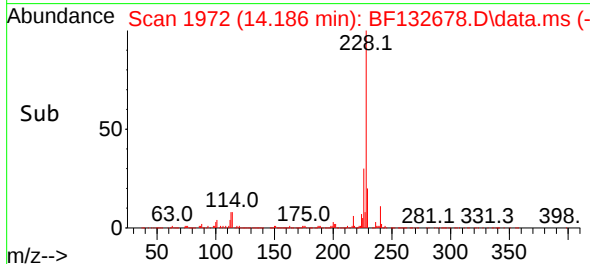
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023



Tgt Ion:228 Resp: 1165224
Ion Ratio Lower Upper
228 100
226 30.5 21.7 32.5
229 21.4 15.4 23.2

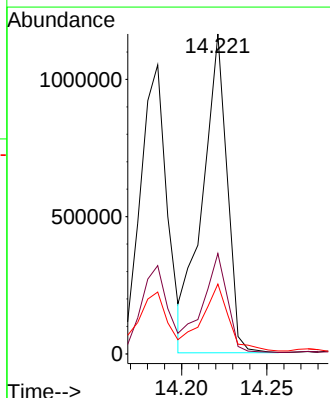
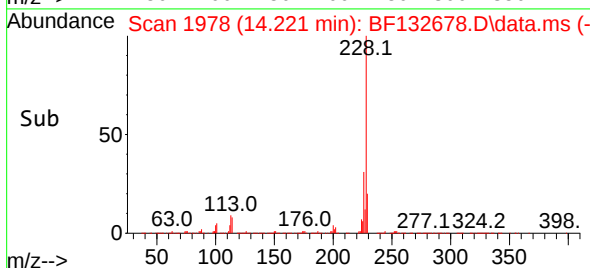
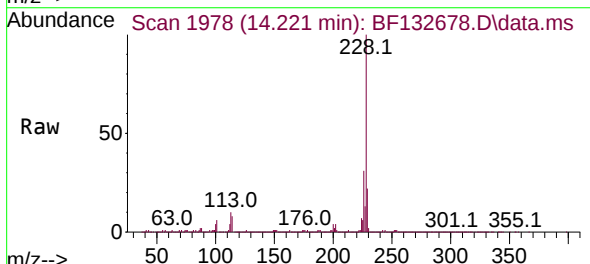
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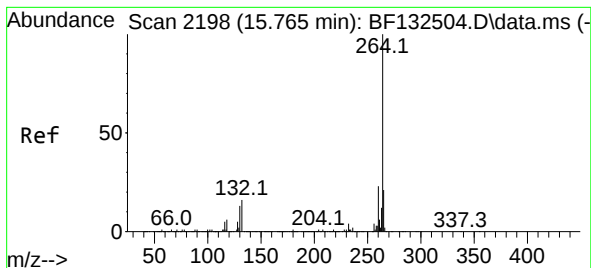
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#83
Chrysene
Concen: 51.554 ng
RT: 14.221 min Scan# 1978
Delta R.T. -0.000 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Tgt Ion:228 Resp: 1171117
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 21.8 16.4 24.6





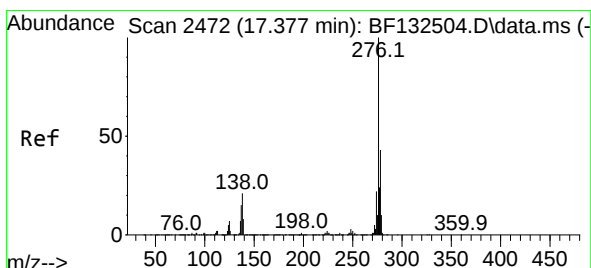
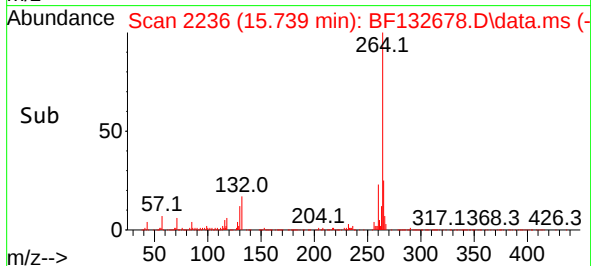
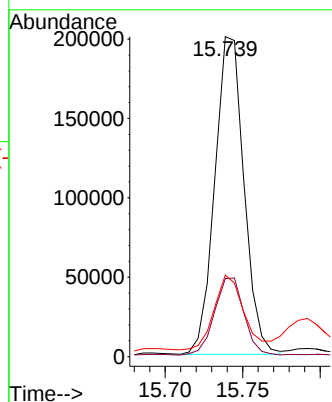
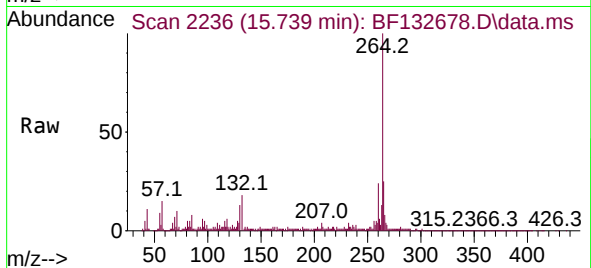
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.739 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

Tgt Ion:264 Resp: 262622
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 25.5 17.1 25.7

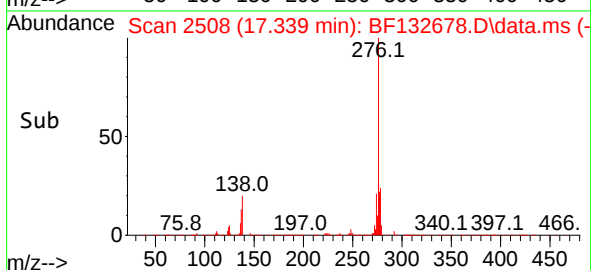
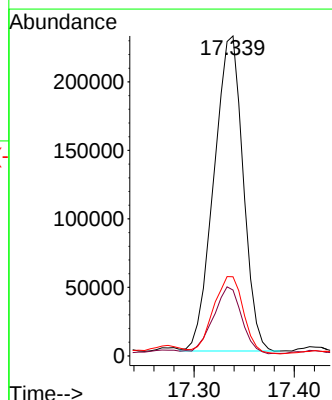
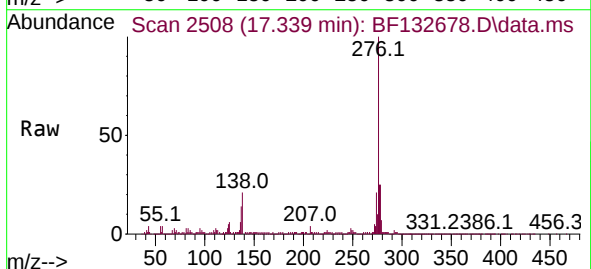
Manual Integrations
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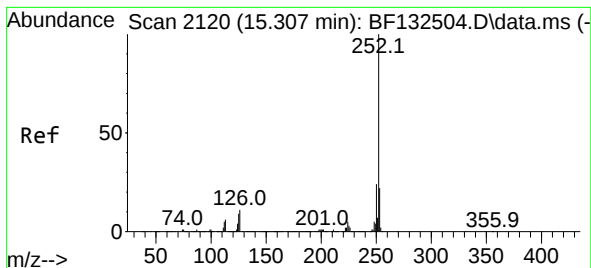
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 27.085 ng
RT: 17.339 min Scan# 2508
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Tgt Ion:276 Resp: 466092
Ion Ratio Lower Upper
276 100
138 20.7 19.0 28.4
277 25.5 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 66.344 ng m

RT: 15.286 min Scan# 2119

Delta R.T. 0.006 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

Tgt Ion:252 Resp: 1167625

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

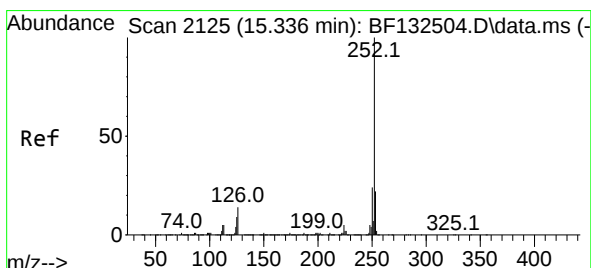
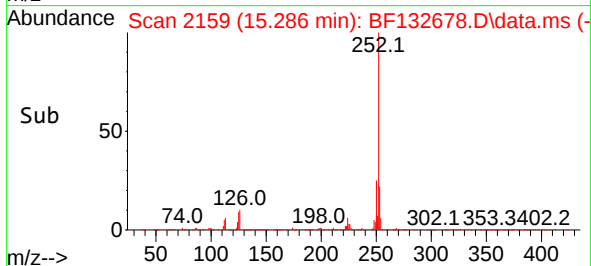
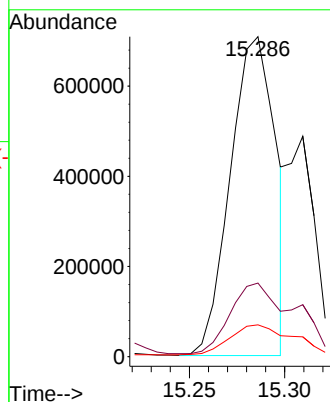
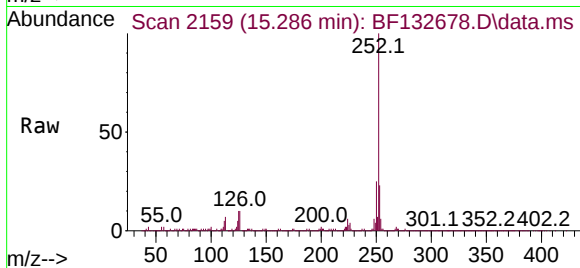
125 9.9 7.0 10.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/08/2023

Supervised By :Jagrut Upadhyay 03/08/2023



#89

Benzo(k)fluoranthene

Concen: 26.987 ng m

RT: 15.309 min Scan# 2163

Delta R.T. -0.006 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

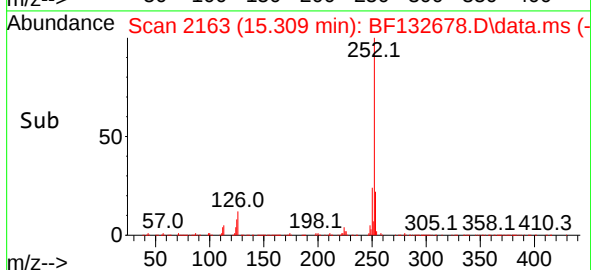
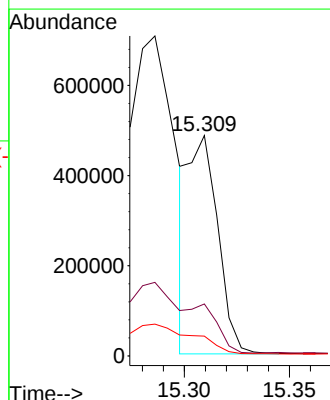
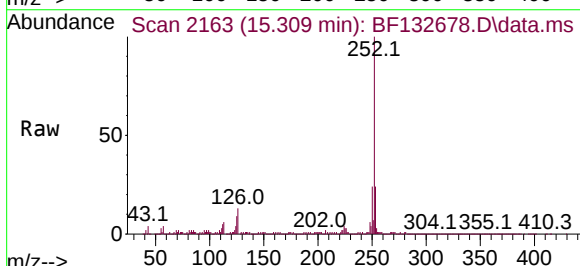
Tgt Ion:252 Resp: 464845

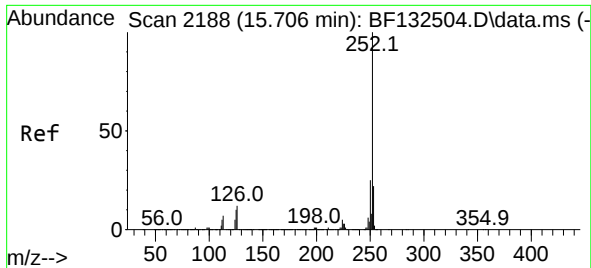
Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 9.0 7.2 10.8





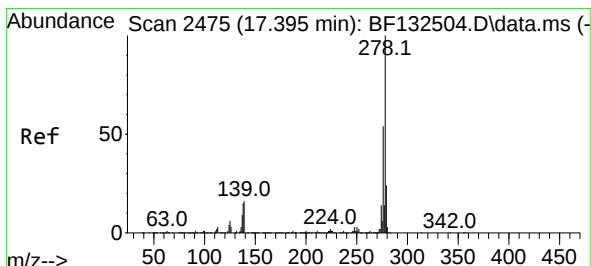
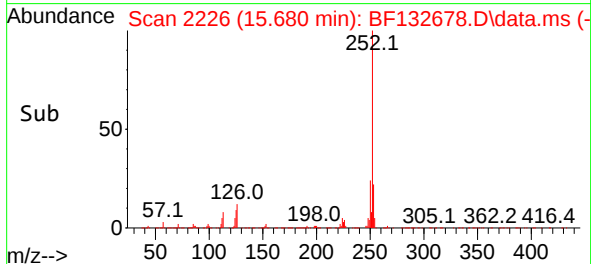
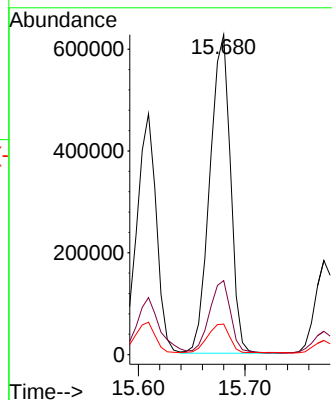
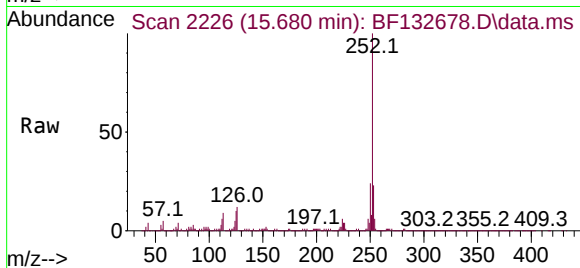
#90
Benzo(a)pyrene
Concen: 51.142 ng
RT: 15.680 min Scan# 2188
Delta R.T. 0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

Tgt Ion:252 Resp: 842392
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 9.5 8.0 12.0

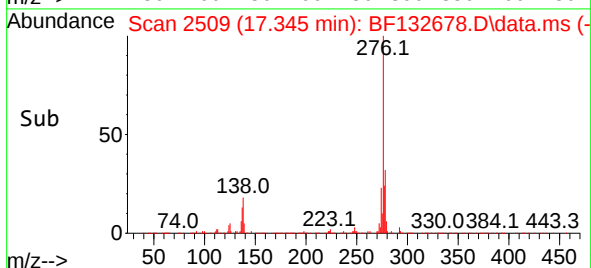
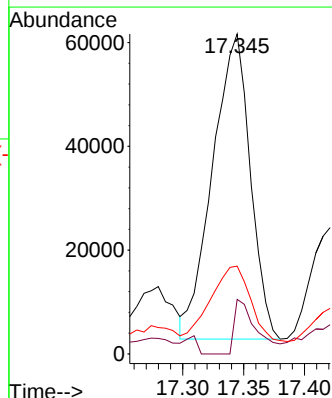
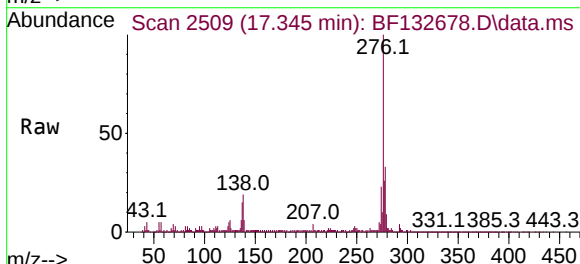
Manual Integrations
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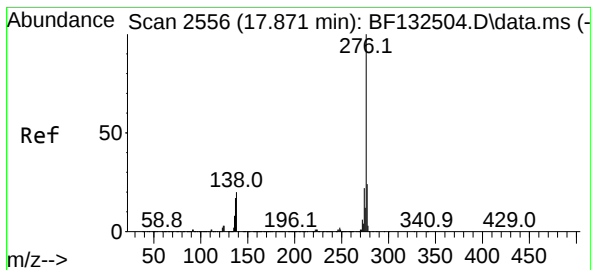
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#91
Dibenzo(a,h)anthracene
Concen: 9.028 ng
RT: 17.345 min Scan# 2509
Delta R.T. -0.012 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

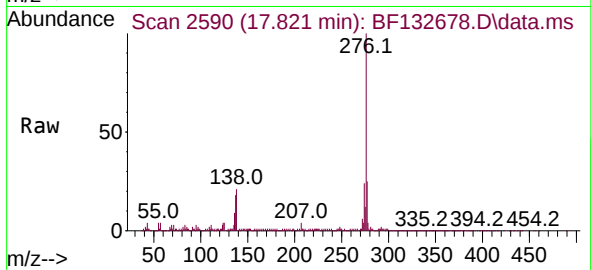
Tgt Ion:278 Resp: 126575
Ion Ratio Lower Upper
278 100
139 17.0 13.0 19.4
279 27.4 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 30.196 ng
 RT: 17.821 min Scan# 2590
 Delta R.T. -0.012 min
 Lab File: BF132678.D
 Acq: 07 Mar 2023 15:06

Instrument :
 BNA_F
 ClientSampleId :
 PL-04-03032023



Tgt Ion:276 Resp: 468632
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.9 28.3
 138 21.3 16.2 24.4

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 03/08/2023
 Supervised By :Jagrut Upadhyay 03/08/2023

