

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061022\
 Data File : BF128772.D
 Acq On : 10 Jun 2022 21:43
 Operator : CG\JU
 Sample : N3295-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-060922

Quant Time: Jun 11 01:28:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 06/13/2022
 Supervised By : Jagrut Upadhyay 06/13/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	64824	20.000	ng	-0.01
21) Naphthalene-d8	8.087	136	231101	20.000	ng	#-0.01
39) Acenaphthene-d10	9.839	164	105615	20.000	ng	-0.02
64) Phenanthrene-d10	11.333	188	175521	20.000	ng	0.00
76) Chrysene-d12	13.992	240	146500	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	103852	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	401594	98.678	ng	-0.02
7) Phenol-d6	6.463	99	495225	99.687	ng	-0.02
23) Nitrobenzene-d5	7.369	82	337601	68.015	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	101478	81.319	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	535869	71.074	ng	-0.01
79) Terphenyl-d14	12.922	244	504192	59.802	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.110	128	601589	50.723	ng	99
37) 2-Methylnaphthalene	8.798	142	199784	26.483	ng	97
38) 1-Methylnaphthalene	8.898	142	128793	17.671	ng	98
46) 1,1'-Biphenyl	9.263	154	44453	5.610	ng	98
49) Acenaphthylene	9.704	152	63747	6.886	ng	98
52) Acenaphthene	9.875	154	246645	40.914	ng	95
55) Dibenzofuran	10.045	168	345923	39.927	ng	91
58) Fluorene	10.392	166	417576	62.149	ng	99
71) Phenanthrene	11.369	178	2426080	275.573	ng	99
72) Anthracene	11.416	178	766727	87.989	ng	99
73) Carbazole	11.569	167	178802	22.092	ng	98
75) Fluoranthene	12.569	202	2655058	288.513	ng	99
78) Pyrene	12.798	202	2267580	208.044	ng	99
81) Benzo(a)anthracene	13.980	228	1211328	132.649	ng	98
83) Chrysene	14.016	228	896377	102.960	ng	98
87) Indeno(1,2,3-cd)pyrene	16.915	276	308621	49.305	ng	# 87
88) Benzo(b)fluoranthene	15.033	252	949209m	143.039	ng	
89) Benzo(k)fluoranthene	15.057	252	219269m	35.125	ng	
90) Benzo(a)pyrene	15.398	252	605640m	116.119	ng	
91) Dibenzo(a,h)anthracene	16.921	278	82861m	15.959	ng	
92) Benzo(g,h,i)perylene	17.362	276	263312	51.170	ng	# 91

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

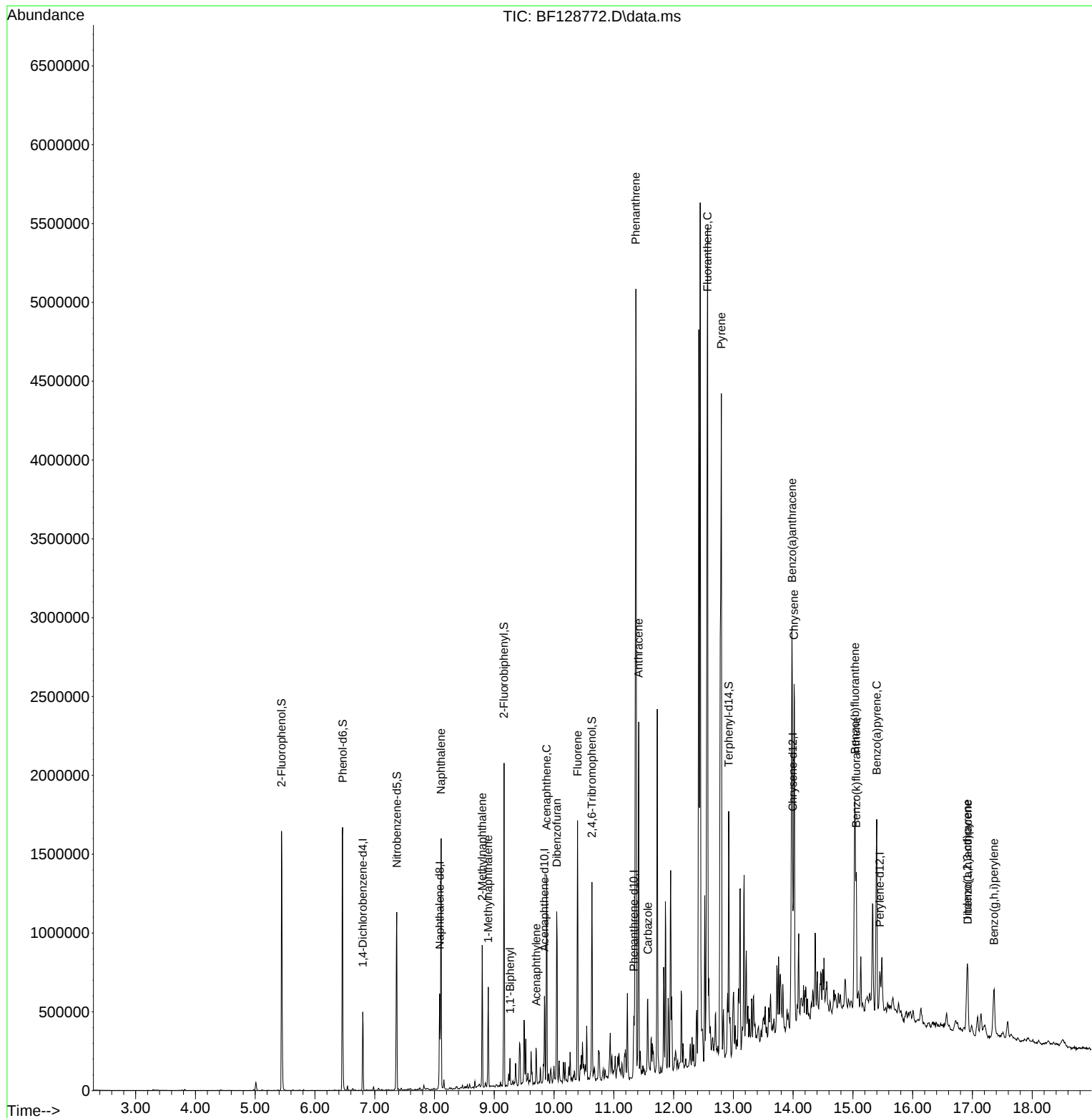
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061022\
Data File : BF128772.D
Acq On : 10 Jun 2022 21:43
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ALS Vial : 19 Sample Multiplier: 1

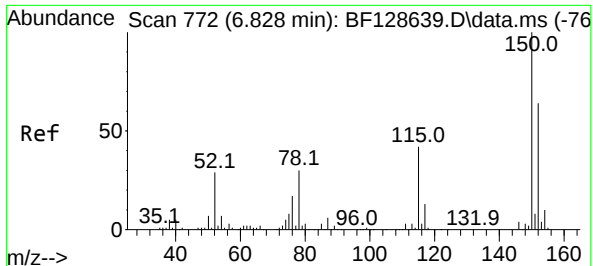
Instrument :
BNA_F
ClientSampleId :
OR-03-060922

Quant Time: Jun 11 01:28:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
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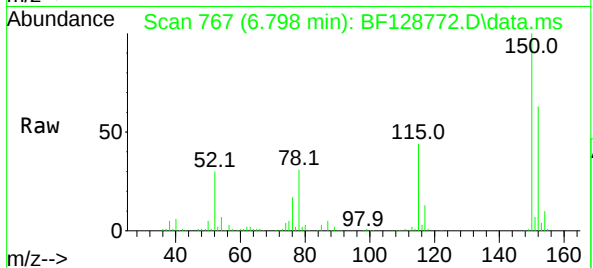
Reviewed By : Christian Giraldo 06/13/2022
Supervised By : Jagrut Upadhyay 06/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

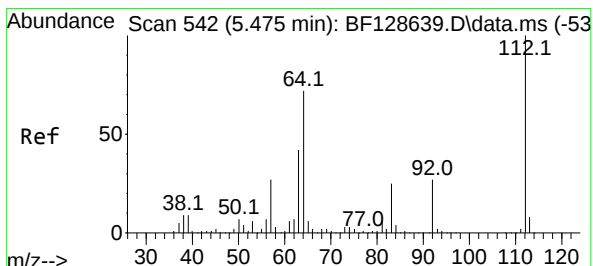
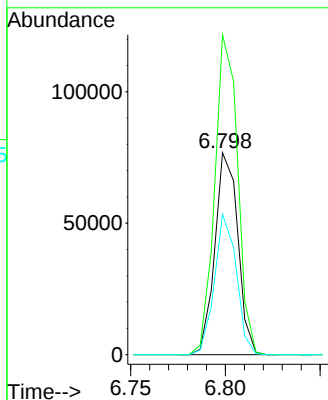
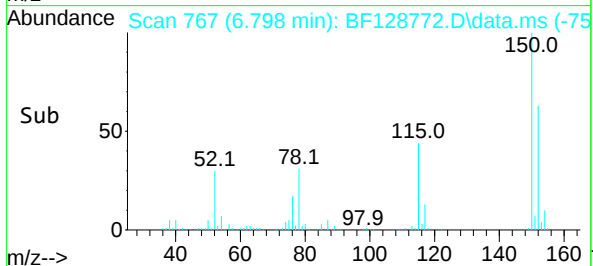
Instrument :
BNA_F
ClientSampleId :
OR-03-060922



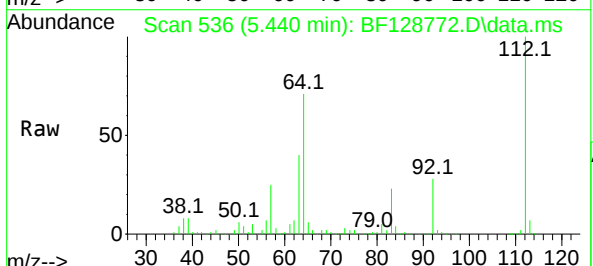
Tgt Ion:152 Resp: 64824
Ion Ratio Lower Upper
152 100
150 158.5 123.7 185.5
115 69.5 49.9 74.9

Manual Integrations
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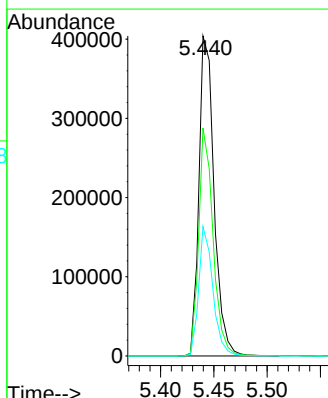
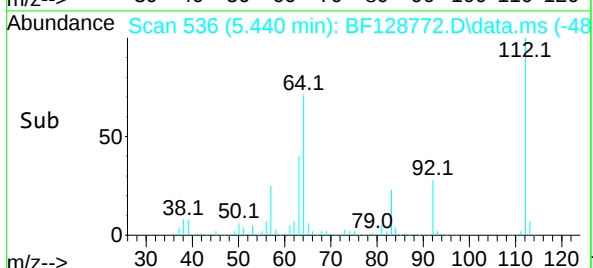
Reviewed By :Christian Giraldo 06/13/2022
Supervised By :Jagrut Upadhyay 06/13/2022

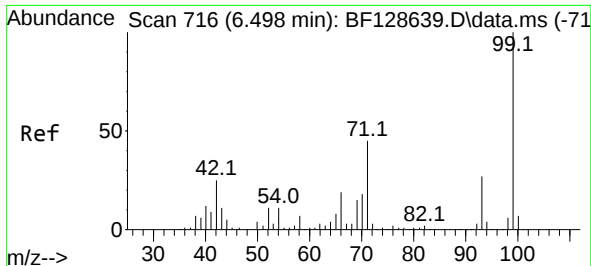


#5
2-Fluorophenol
Concen: 98.678 ng
RT: 5.440 min Scan# 536
Delta R.T. -0.018 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43



Tgt Ion:112 Resp: 401594
Ion Ratio Lower Upper
112 100
64 71.2 53.3 79.9
63 40.4 28.0 42.0





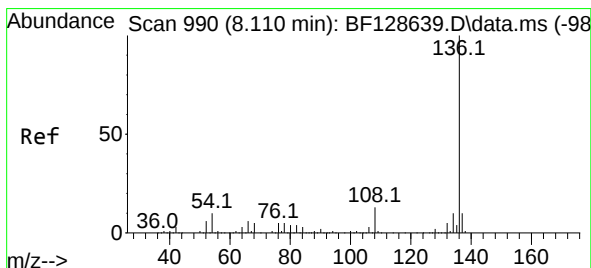
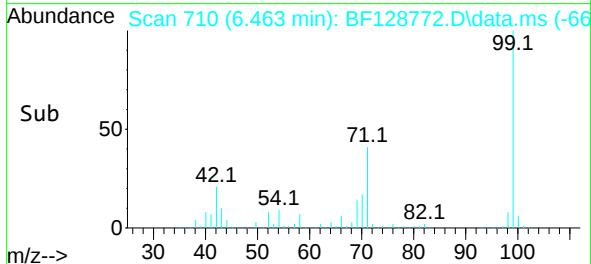
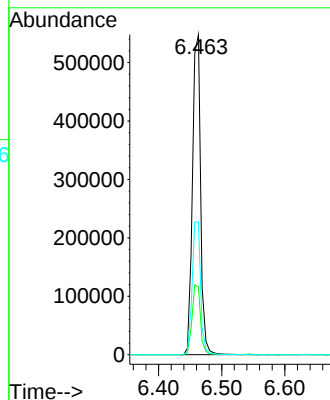
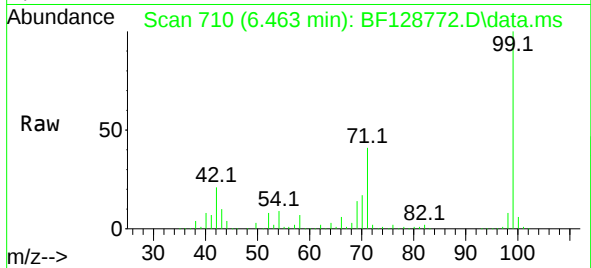
#7
Phenol-d6
Concen: 99.687 ng
RT: 6.463 min Scan# 716
Delta R.T. -0.018 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

Instrument :
BNA_F
ClientSampleId :
OR-03-060922

Tgt Ion: 99 Resp: 495225
Ion Ratio Lower Upper
99 100
42 21.2 17.3 25.9
71 41.5 28.9 43.3

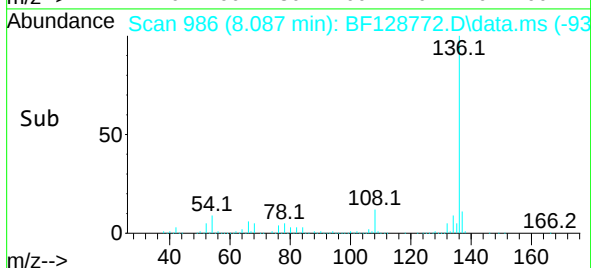
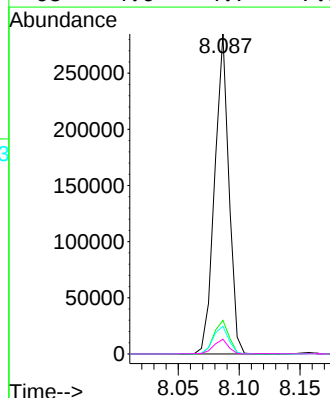
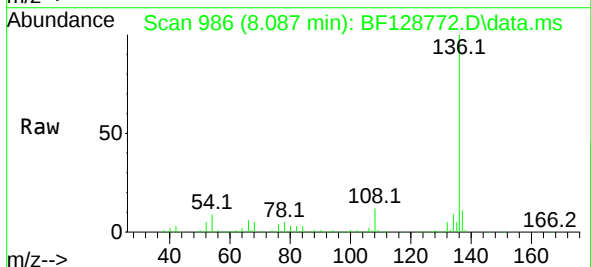
Manual Integrations
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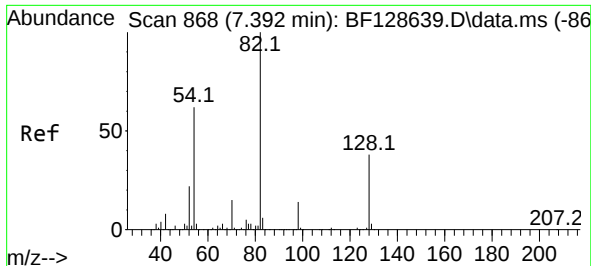
Reviewed By :Christian Giraldo 06/13/2022
Supervised By :Jagrut Upadhyay 06/13/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 986
Delta R.T. -0.012 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

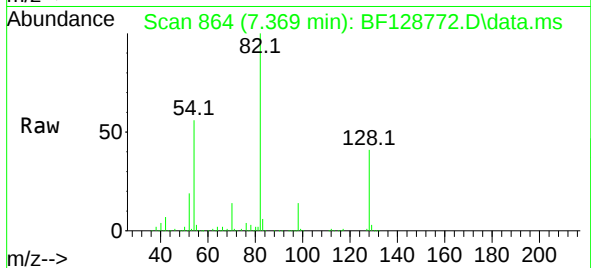
Tgt Ion:136 Resp: 231101
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.7 7.5 11.3
68 4.6 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 68.015 ng
RT: 7.369 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

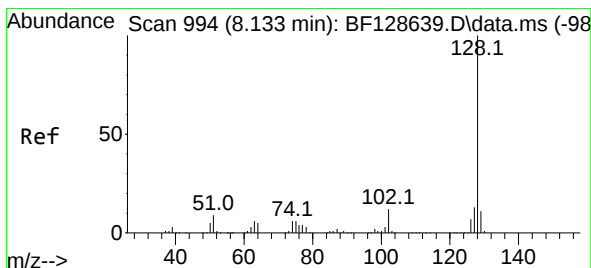
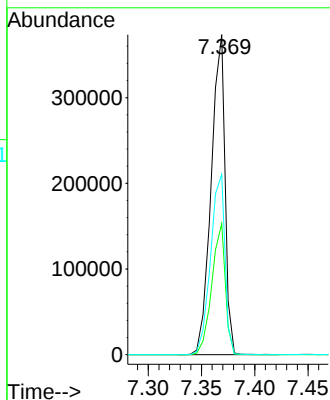
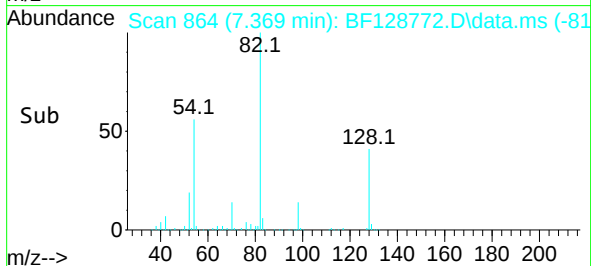
Instrument :
BNA_F
ClientSampleId :
OR-03-060922



Tgt Ion: 82 Resp: 33760
Ion Ratio Lower Upper
82 100
128 41.0 34.0 51.0
54 56.4 46.9 70.3

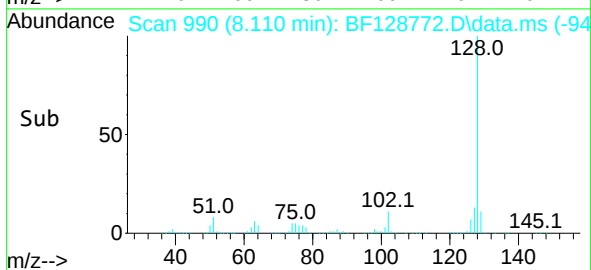
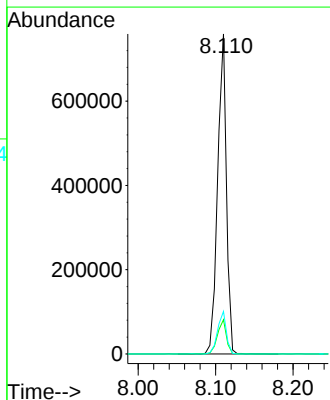
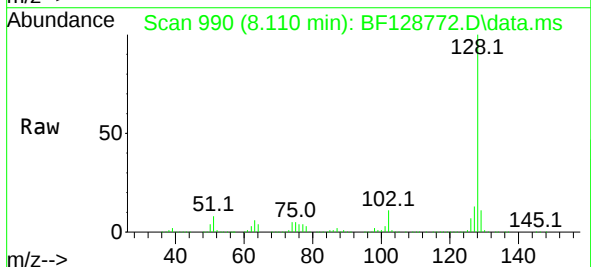
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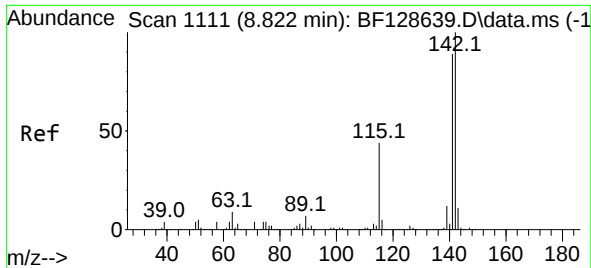
Reviewed By :Christian Giraldo 06/13/2022
Supervised By :Jagrut Upadhyay 06/13/2022



#31
Naphthalene
Concen: 50.723 ng
RT: 8.110 min Scan# 990
Delta R.T. -0.012 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

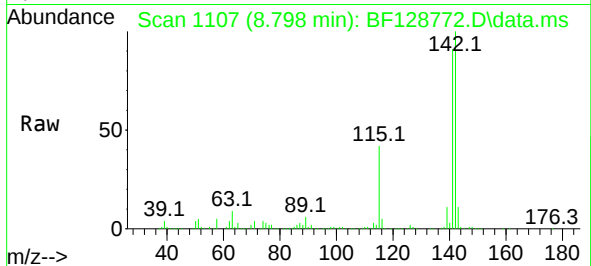
Tgt Ion:128 Resp: 601589
Ion Ratio Lower Upper
128 100
129 10.7 9.2 13.8
127 13.3 10.5 15.7





#37
2-Methylnaphthalene
Concen: 26.483 ng
RT: 8.798 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

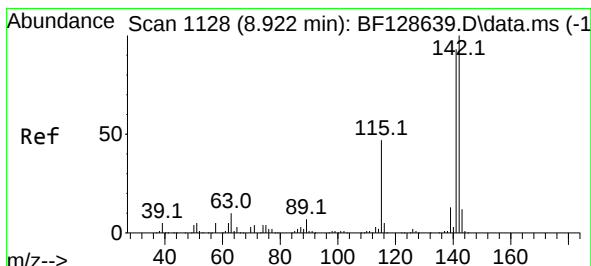
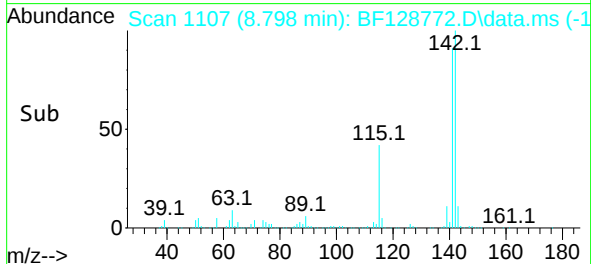
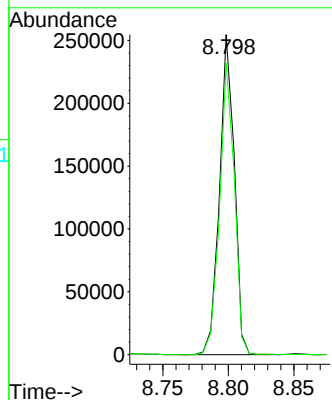
Instrument :
BNA_F
ClientSampleId :
OR-03-060922



Tgt Ion:142 Resp: 199784
Ion Ratio Lower Upper
142 100
141 91.1 71.0 106.4

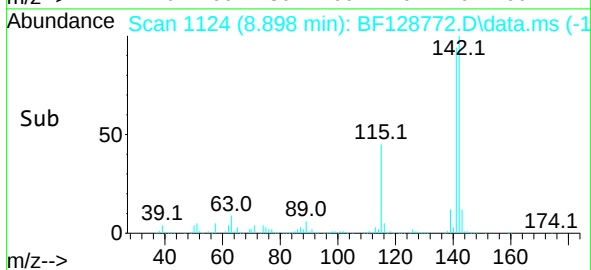
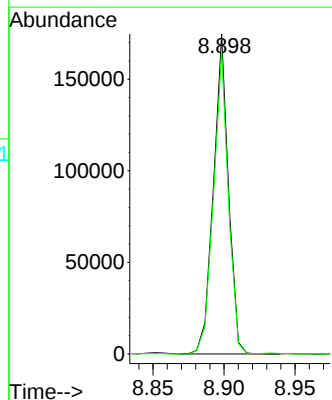
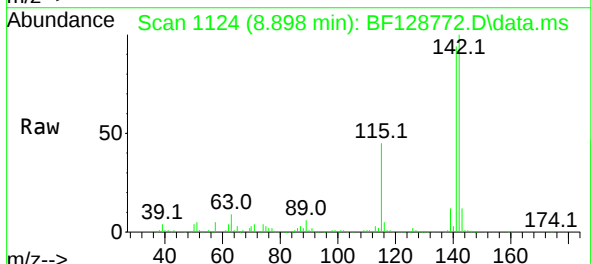
Manual Integrations
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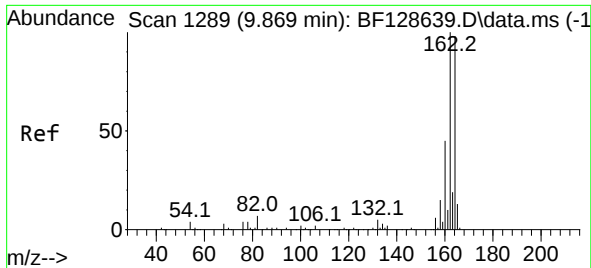
Reviewed By :Christian Giraldo 06/13/2022
Supervised By :Jagrut Upadhyay 06/13/2022



#38
1-Methylnaphthalene
Concen: 17.671 ng
RT: 8.898 min Scan# 1124
Delta R.T. -0.012 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

Tgt Ion:142 Resp: 128793
Ion Ratio Lower Upper
142 100
141 94.4 74.2 111.4





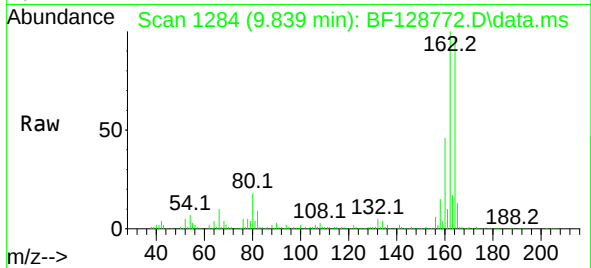
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922

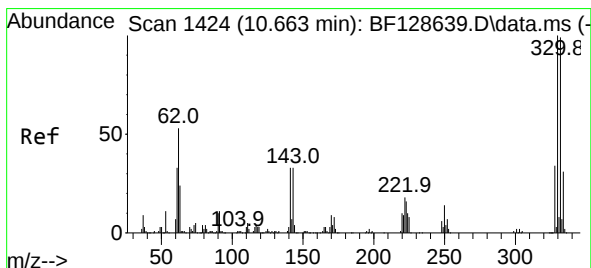
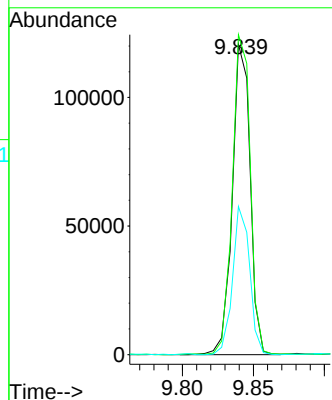
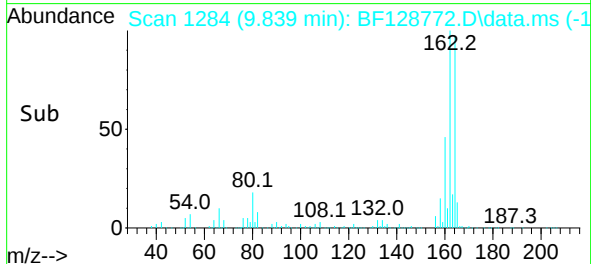


Tgt Ion:164 Resp: 10561
Ion Ratio Lower Upper
164 100
162 103.1 79.5 119.3
160 47.7 34.2 51.4

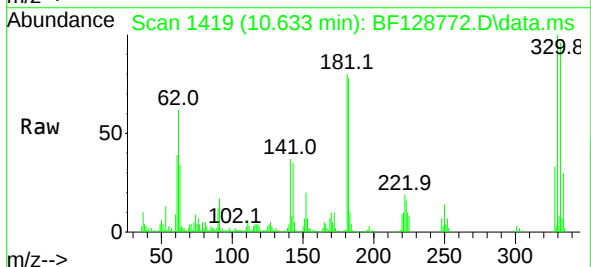
Manual Integrations

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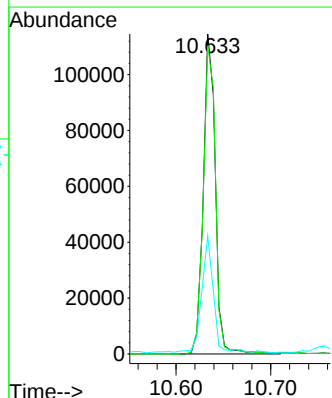
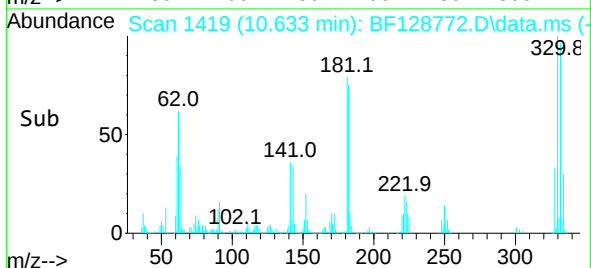
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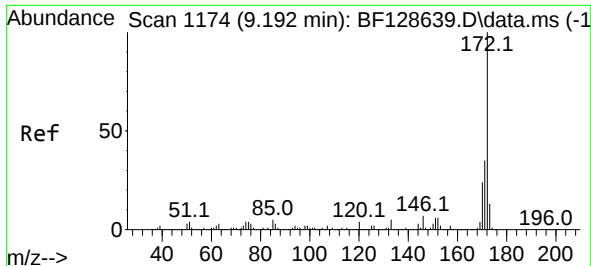


#42
2,4,6-Tribromophenol
Concen: 81.319 ng
RT: 10.633 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43



Tgt Ion:330 Resp: 101478
Ion Ratio Lower Upper
330 100
332 99.2 76.8 115.2
141 36.2 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 71.074 ng

RT: 9.163 min Scan# 1169

Delta R.T. -0.012 min

Lab File: BF128772.D

Acq: 10 Jun 2022 21:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922

Tgt Ion:172 Resp: 53586

Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

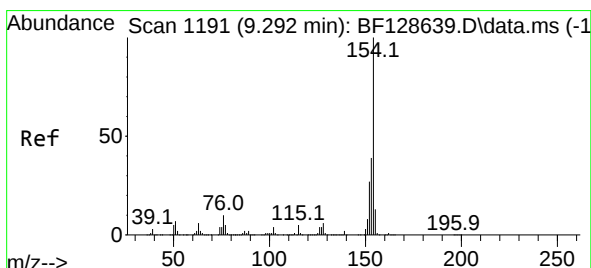
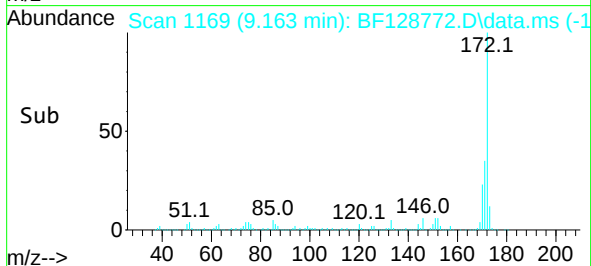
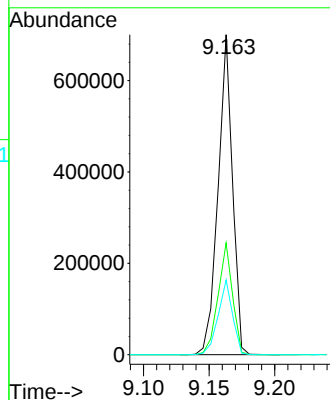
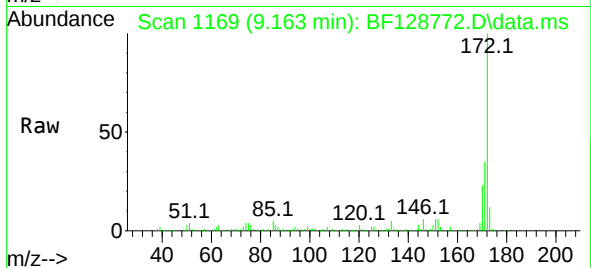
170 23.4 19.8 29.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/13/2022



#46

1,1'-Biphenyl

Concen: 5.610 ng

RT: 9.263 min Scan# 1186

Delta R.T. -0.012 min

Lab File: BF128772.D

Acq: 10 Jun 2022 21:43

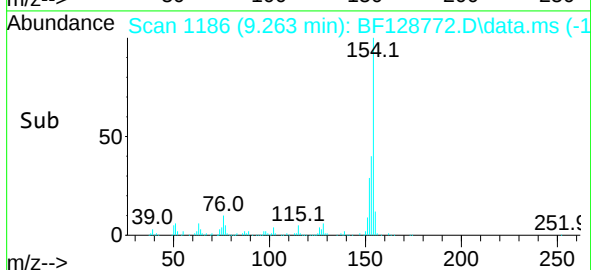
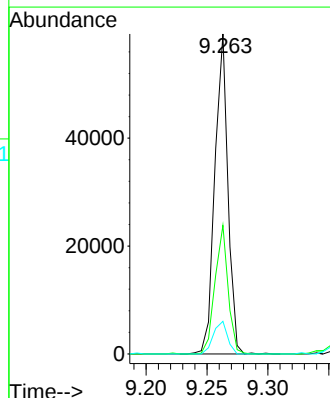
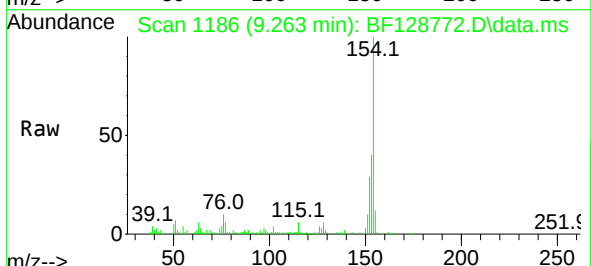
Tgt Ion:154 Resp: 44453

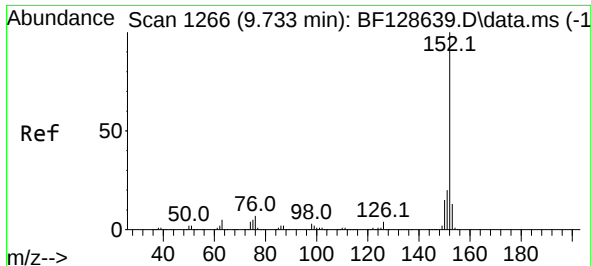
Ion Ratio Lower Upper

154 100

153 40.2 20.6 60.6

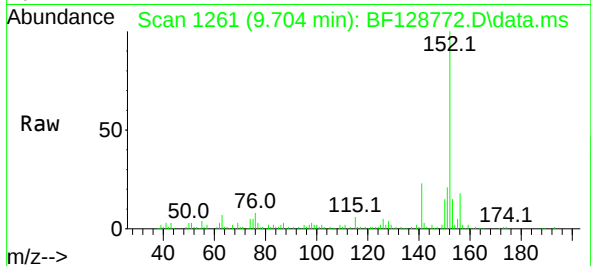
76 10.2 0.0 33.3





#49
Acenaphthylene
Concen: 6.886 ng
RT: 9.704 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

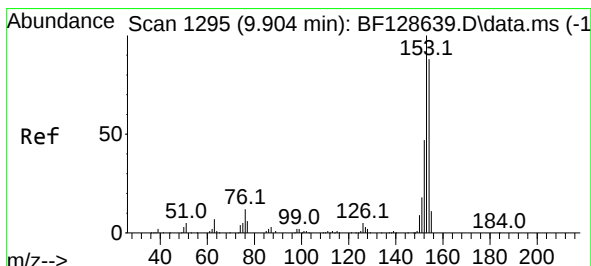
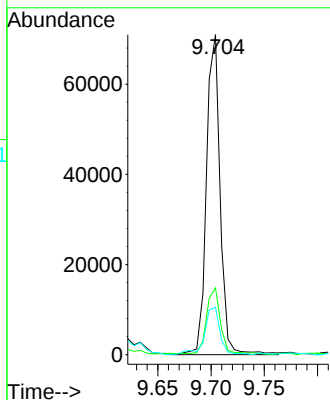
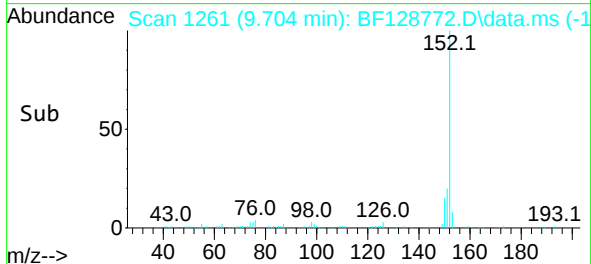
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ClientSampleId :
OR-03-060922



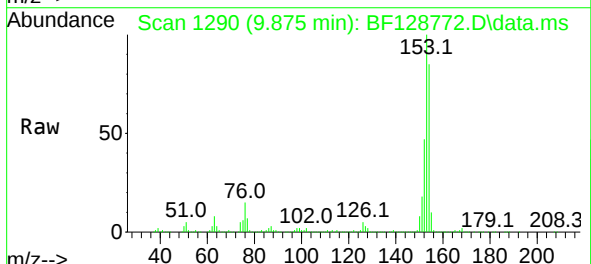
Tgt Ion:152 Resp: 6374
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.4
153 14.9 10.7 16.1

Manual Integrations
APPROVED

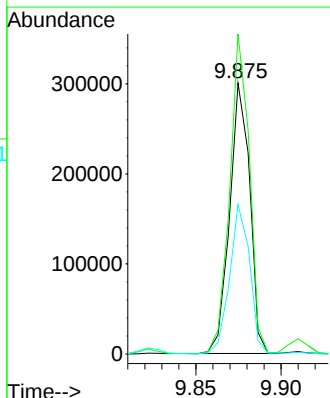
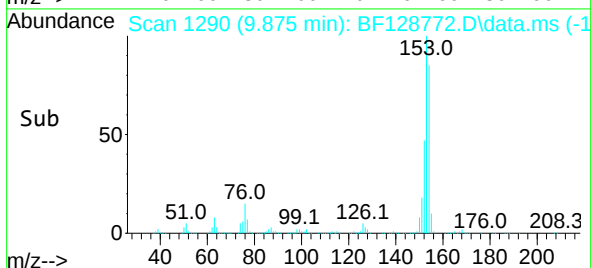
Reviewed By :Christian Giraldo 06/13/2022
Supervised By :Jagrut Upadhyay 06/13/2022

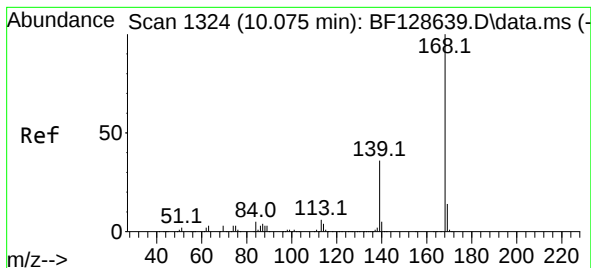


#52
Acenaphthene
Concen: 40.914 ng
RT: 9.875 min Scan# 1290
Delta R.T. -0.018 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43



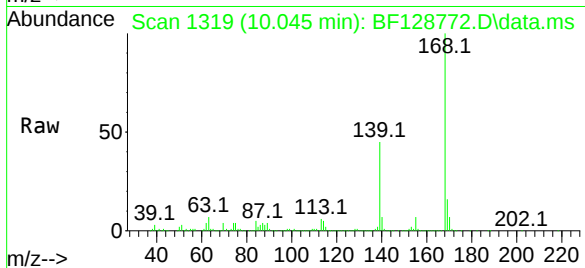
Tgt Ion:154 Resp: 246645
Ion Ratio Lower Upper
154 100
153 118.1 89.6 134.4
152 55.2 42.4 63.6





#55
Dibenzenofuran
Concen: 39.927 ng
RT: 10.045 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

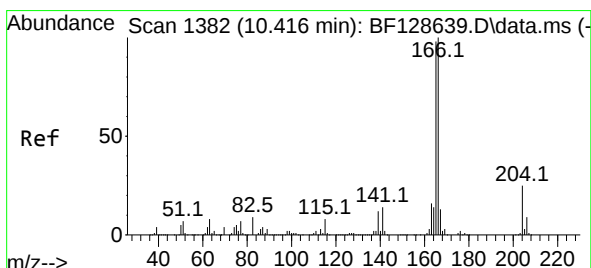
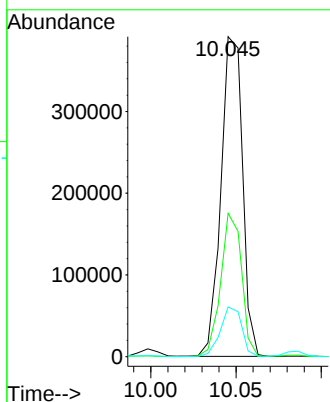
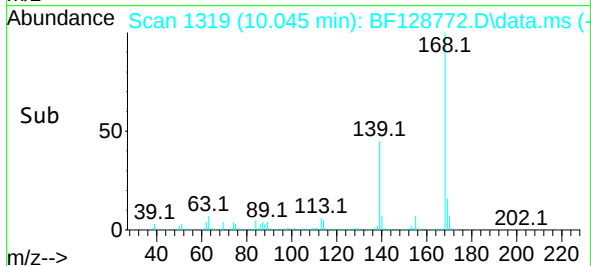
Instrument :
BNA_F
ClientSampleId :
OR-03-060922



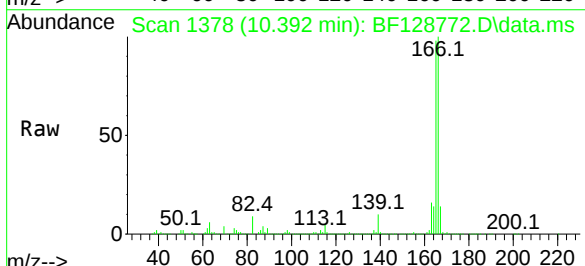
Tgt Ion:168 Resp: 34592
Ion Ratio Lower Upper
168 100
139 44.8 30.6 46.0
169 15.5 11.0 16.6

Manual Integrations
APPROVED

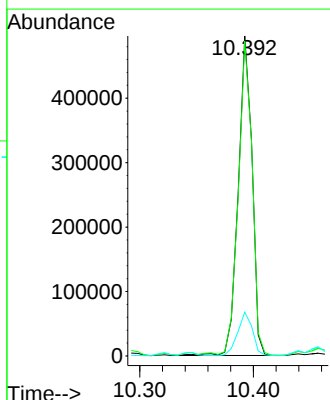
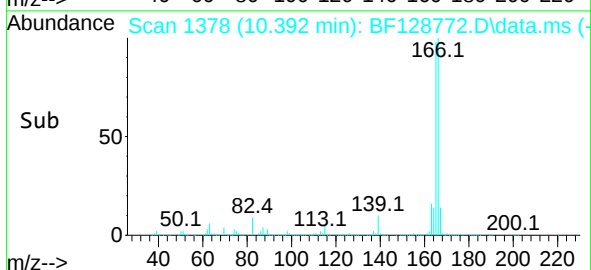
Reviewed By :Christian Giraldo 06/13/2022
Supervised By :Jagrut Upadhyay 06/13/2022

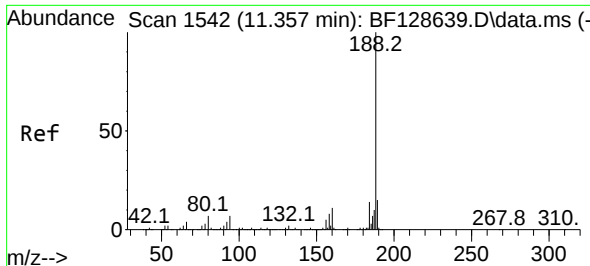


#58
Fluorene
Concen: 62.149 ng
RT: 10.392 min Scan# 1378
Delta R.T. -0.012 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43



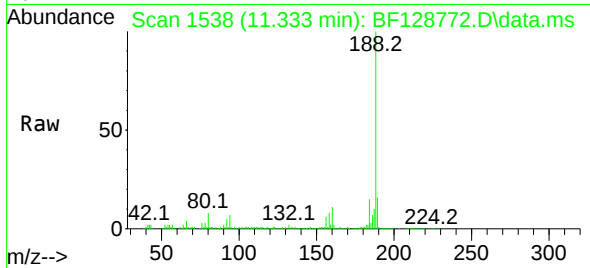
Tgt Ion:166 Resp: 417576
Ion Ratio Lower Upper
166 100
165 98.4 78.1 117.1
167 13.7 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

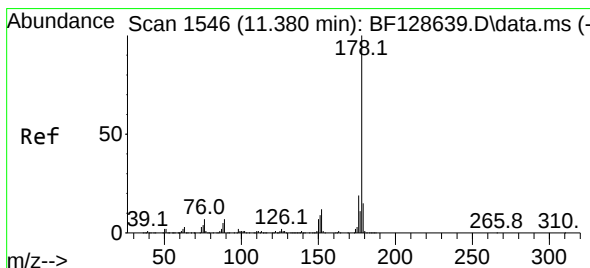
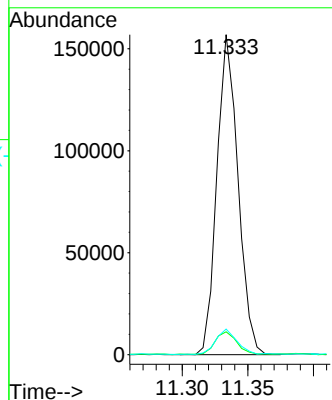
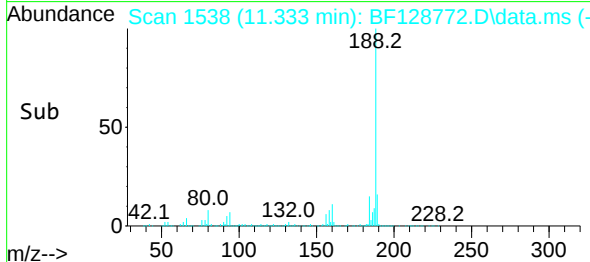
Instrument :
BNA_F
ClientSampleId :
OR-03-060922



Tgt Ion:188 Resp: 17552
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.6
80 8.0 7.6 11.4

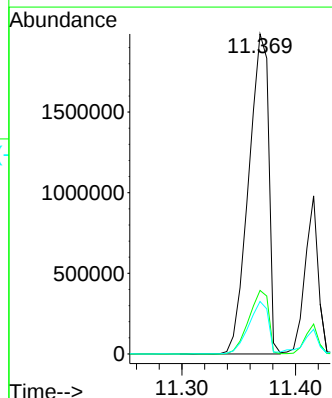
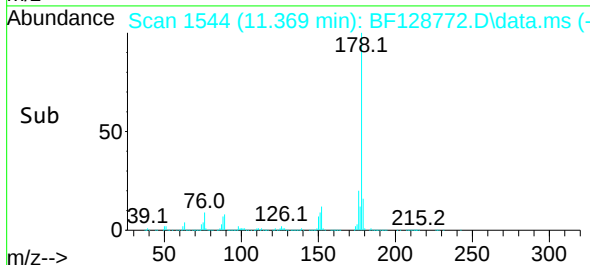
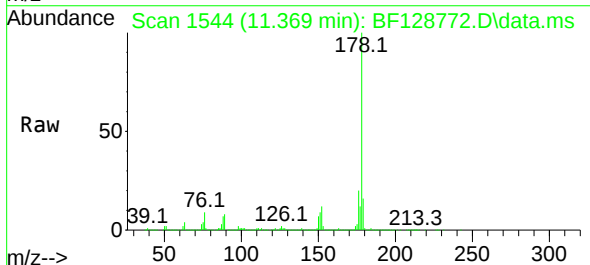
Manual Integrations
APPROVED

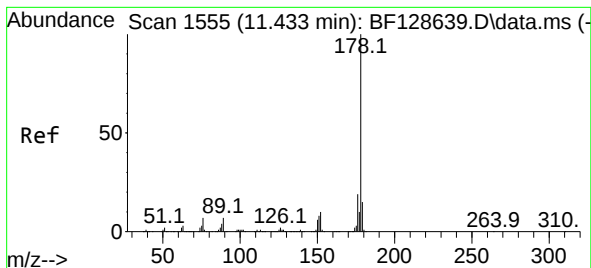
Reviewed By :Christian Giraldo 06/13/2022
Supervised By :Jagrut Upadhyay 06/13/2022



#71
Phenanthrene
Concen: 275.573 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

Tgt Ion:178 Resp: 2426080
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 16.4 12.6 19.0





#72

Anthracene

Concen: 87.989 ng

RT: 11.416 min Scan# 1552

Delta R.T. -0.006 min

Lab File: BF128772.D

Acq: 10 Jun 2022 21:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922

Tgt Ion:178 Resp: 76672

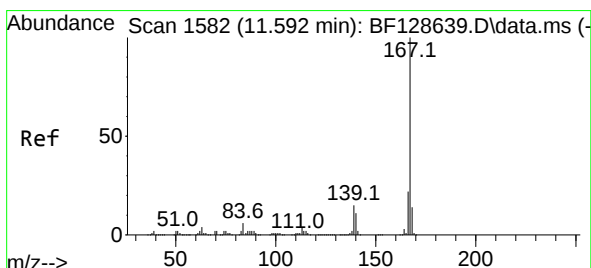
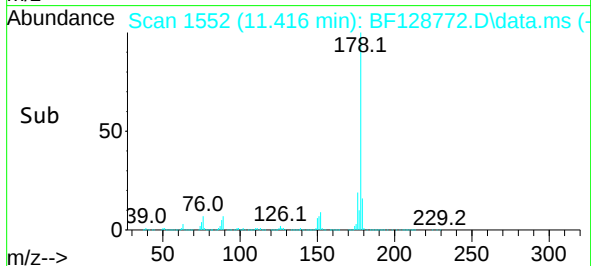
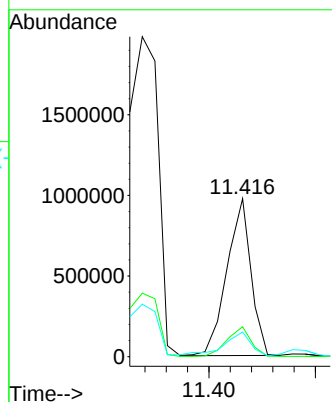
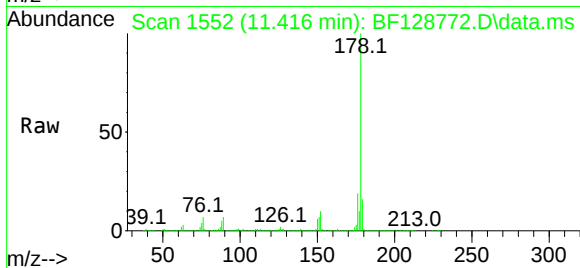
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.6	12.6	19.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/13/2022

Supervised By :Jagrut Upadhyay 06/13/2022



#73

Carbazole

Concen: 22.092 ng

RT: 11.569 min Scan# 1578

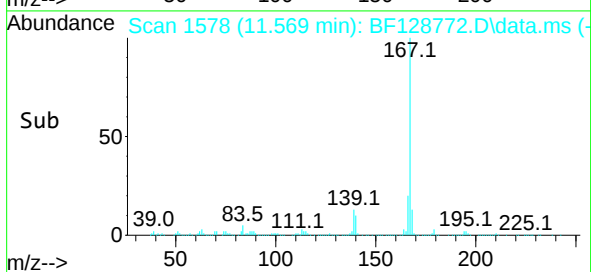
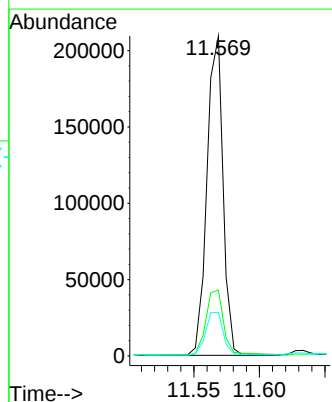
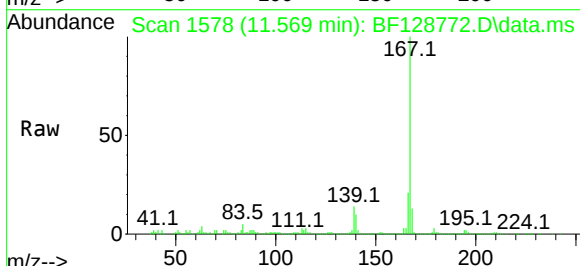
Delta R.T. -0.012 min

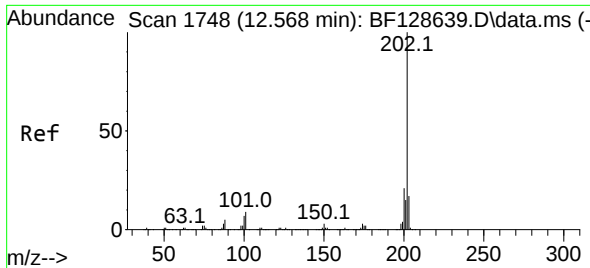
Lab File: BF128772.D

Acq: 10 Jun 2022 21:43

Tgt Ion:167 Resp: 178802

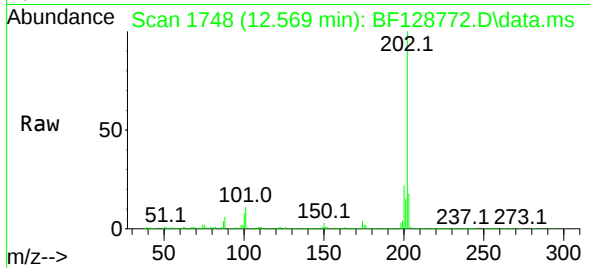
Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.7	26.5
139	13.7	11.2	16.8





#75
Fluoranthene
Concen: 288.513 ng
RT: 12.569 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

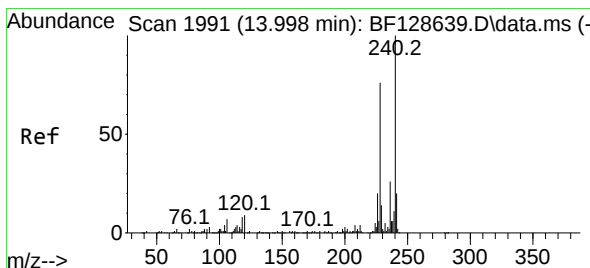
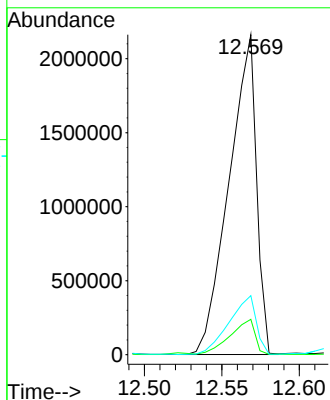
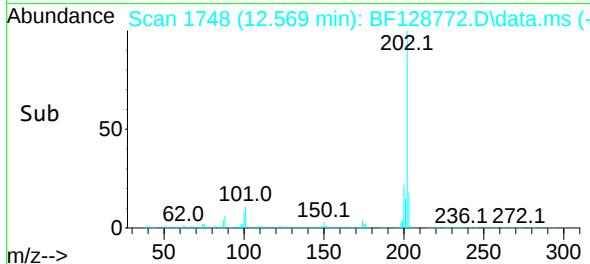
Instrument :
BNA_F
ClientSampleId :
OR-03-060922



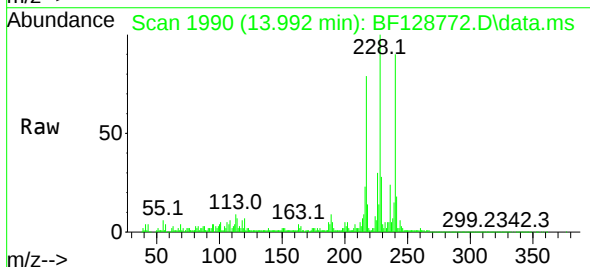
Tgt Ion:202 Resp: 2655058
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.4
203 18.5 0.0 38.0

Manual Integrations
APPROVED

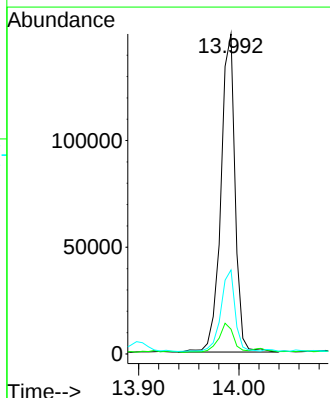
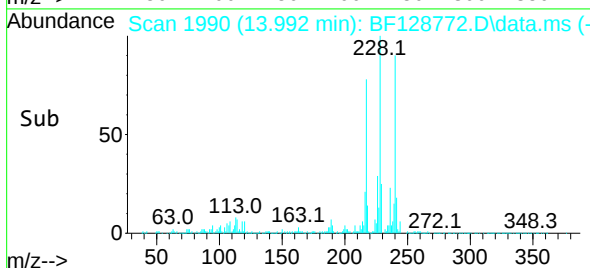
Reviewed By :Christian Giraldo 06/13/2022
Supervised By :Jagrut Upadhyay 06/13/2022

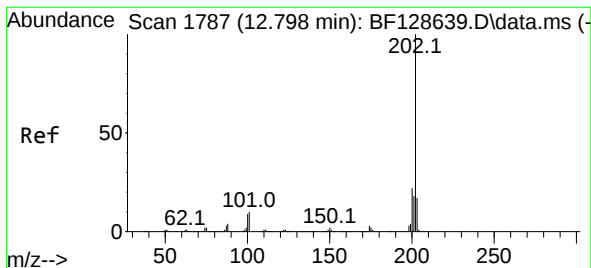


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 1990
Delta R.T. 0.006 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43



Tgt Ion:240 Resp: 146500
Ion Ratio Lower Upper
240 100
120 7.8 8.9 13.3#
236 26.2 20.8 31.2





#78

Pyrene

Concen: 208.044 ng

RT: 12.798 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF128772.D

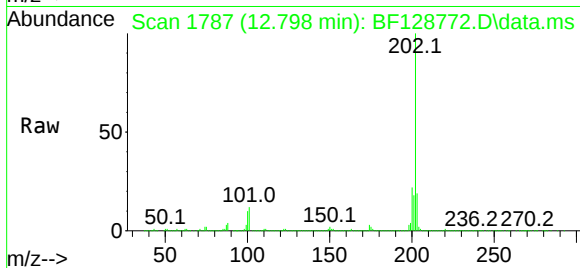
Acq: 10 Jun 2022 21:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922



Tgt Ion:202 Resp: 2267580

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

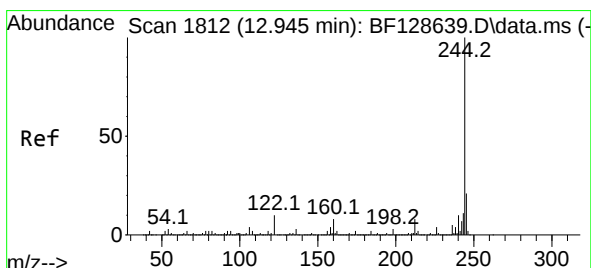
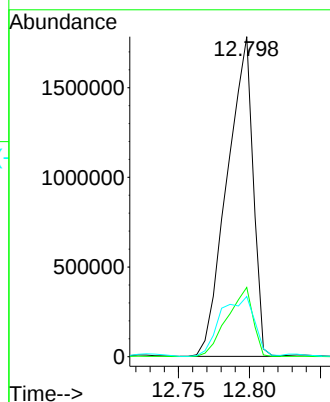
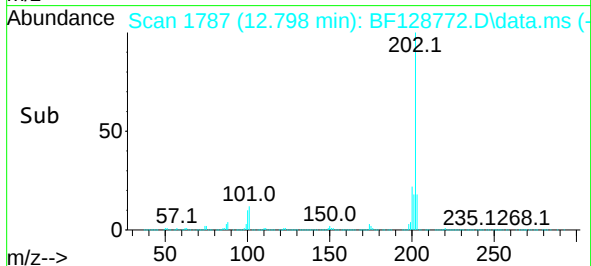
203 18.8 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/13/2022

Supervised By :Jagrut Upadhyay 06/13/2022



#79

Terphenyl-d14

Concen: 59.802 ng

RT: 12.922 min Scan# 1808

Delta R.T. -0.012 min

Lab File: BF128772.D

Acq: 10 Jun 2022 21:43

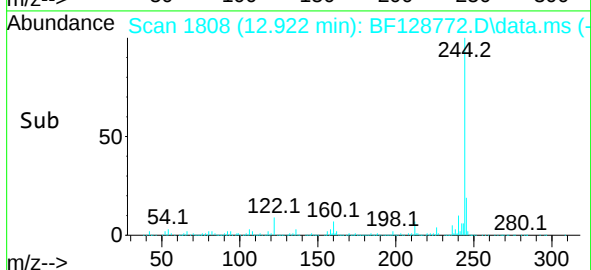
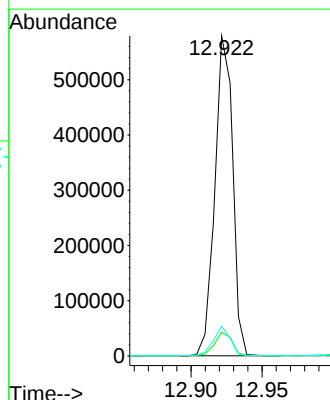
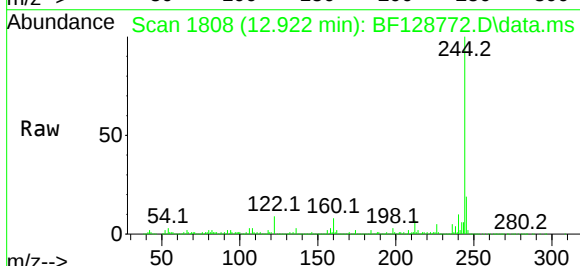
Tgt Ion:244 Resp: 504192

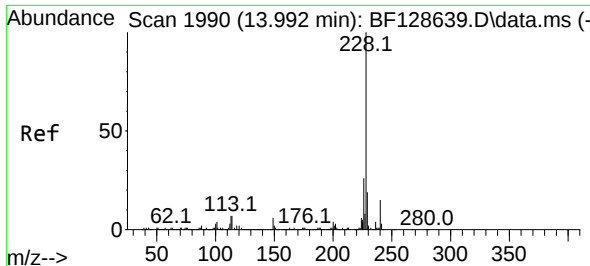
Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

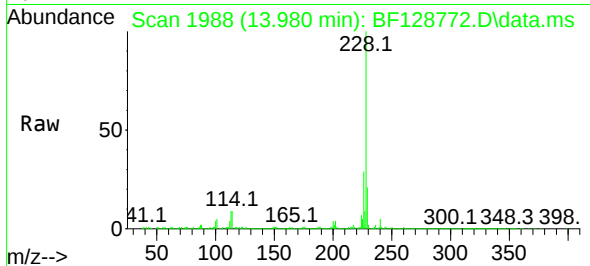
122 9.3 8.8 13.2





#81
Benzo(a)anthracene
Concen: 132.649 ng
RT: 13.980 min Scan# 1990
Delta R.T. 0.006 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

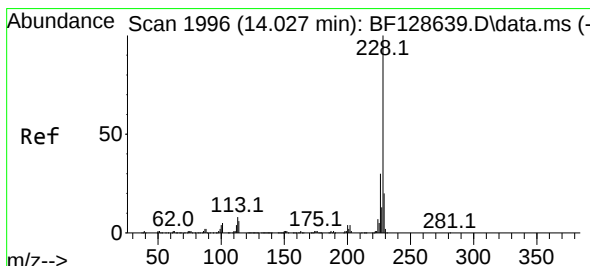
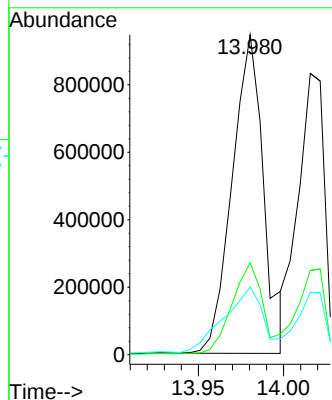
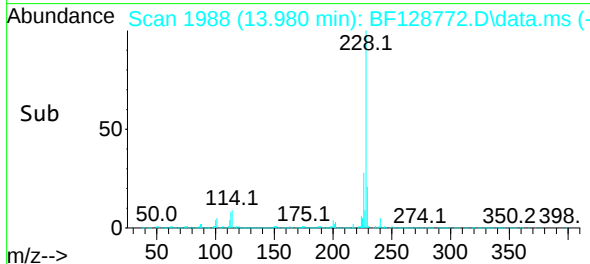
Instrument :
BNA_F
ClientSampleId :
OR-03-060922



Tgt Ion:228 Resp: 1211328
Ion Ratio Lower Upper
228 100
226 28.7 22.1 33.1
229 21.2 15.8 23.8

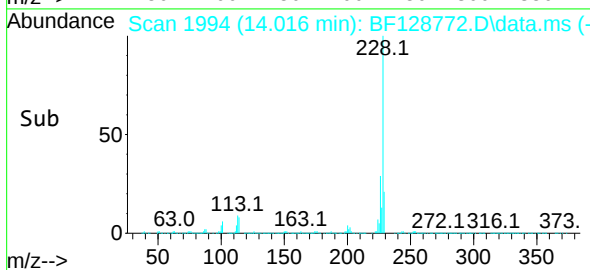
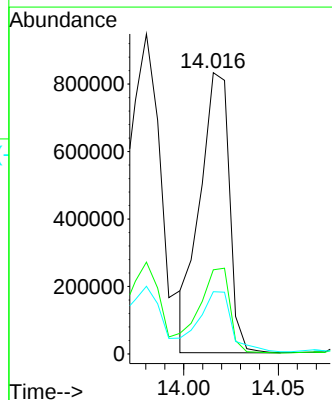
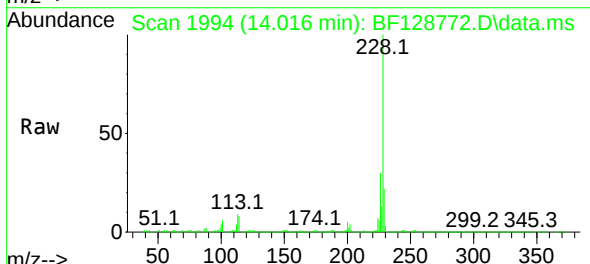
Manual Integrations
APPROVED

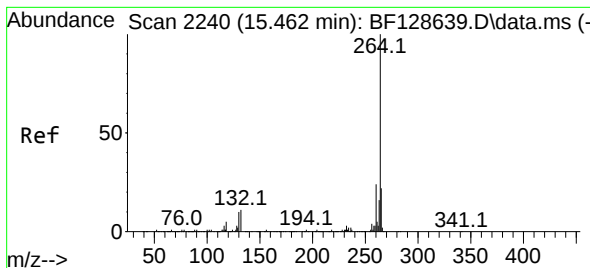
Reviewed By :Christian Giraldo 06/13/2022
Supervised By :Jagrut Upadhyay 06/13/2022



#83
Chrysene
Concen: 102.960 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

Tgt Ion:228 Resp: 896377
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 22.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128772.D

Acq: 10 Jun 2022 21:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922

Tgt Ion:264 Resp: 103852

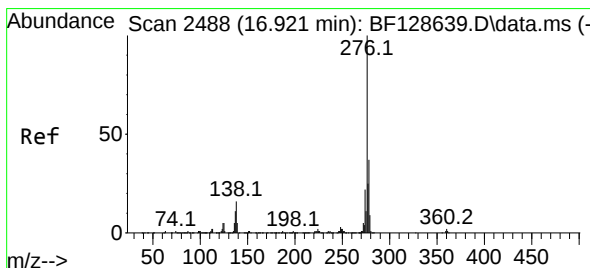
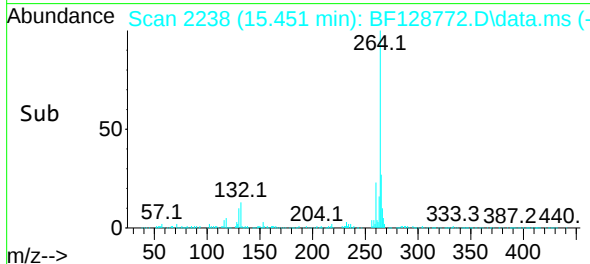
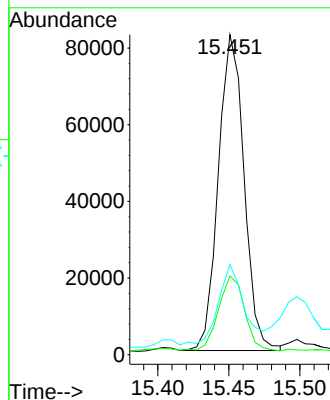
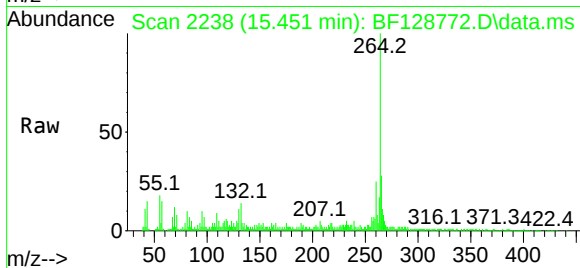
Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.4	27.6
265	28.1	17.2	25.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/13/2022

Supervised By :Jagrut Upadhyay 06/13/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 49.305 ng

RT: 16.915 min Scan# 2487

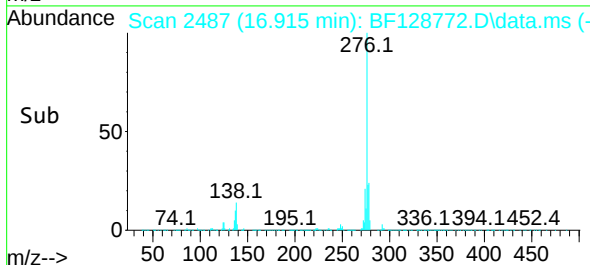
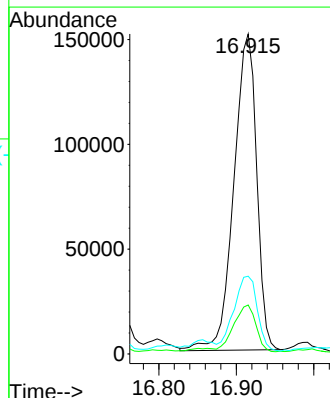
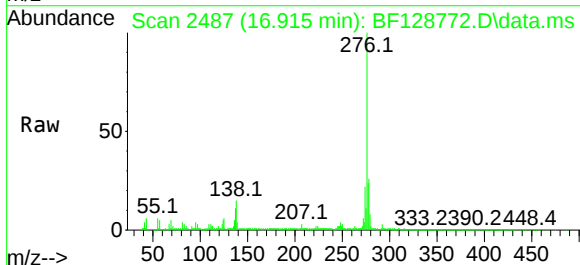
Delta R.T. 0.018 min

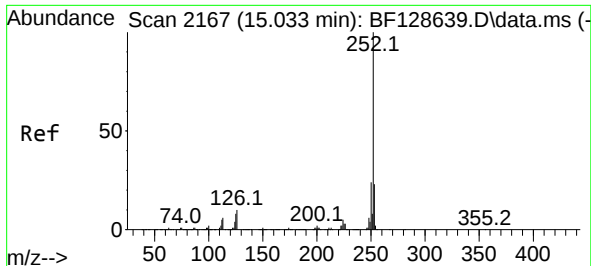
Lab File: BF128772.D

Acq: 10 Jun 2022 21:43

Tgt Ion:276 Resp: 308621

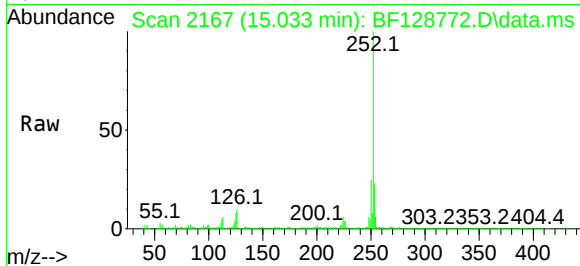
Ion	Ratio	Lower	Upper
276	100		
138	14.3	21.1	31.7
277	24.5	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 143.039 ng m
RT: 15.033 min Scan# 2167
Delta R.T. 0.012 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

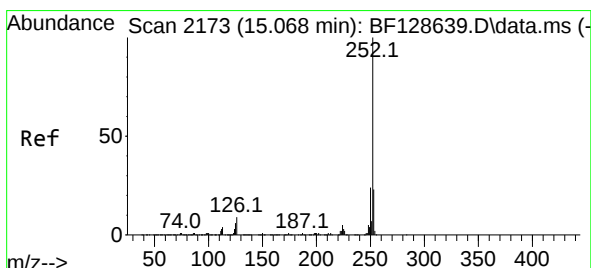
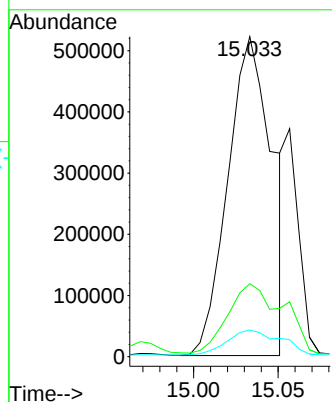
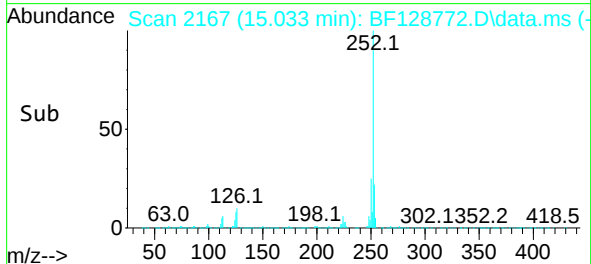
Instrument :
BNA_F
ClientSampleId :
OR-03-060922



Tgt Ion:252 Resp: 949209
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 8.3 8.0 12.0

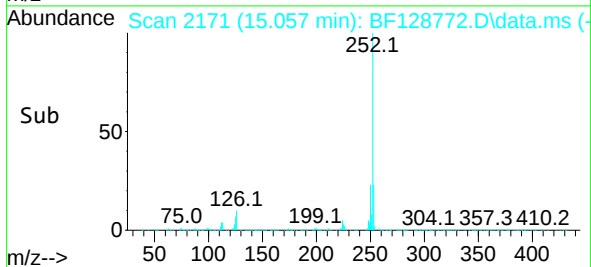
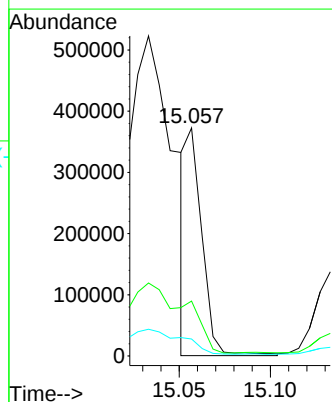
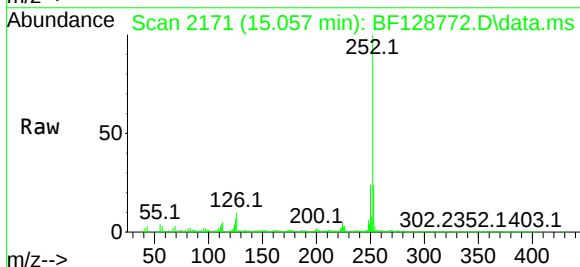
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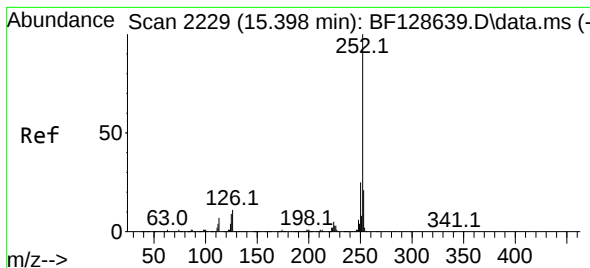
Reviewed By :Christian Giraldo 06/13/2022
Supervised By :Jagrut Upadhyay 06/13/2022



#89
Benzo(k)fluoranthene
Concen: 35.125 ng m
RT: 15.057 min Scan# 2171
Delta R.T. 0.006 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

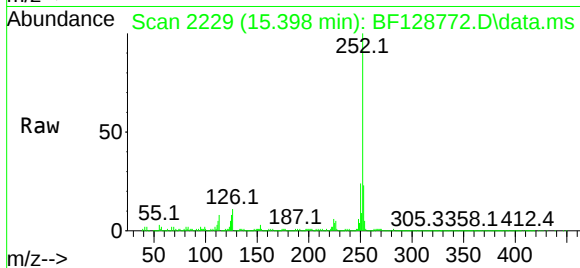
Tgt Ion:252 Resp: 219269
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 7.4 8.3 12.5





#90
Benzo(a)pyrene
Concen: 116.119 ng m
RT: 15.398 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

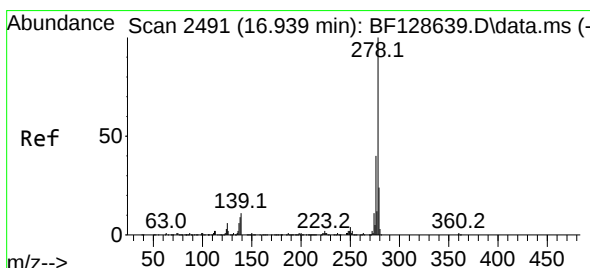
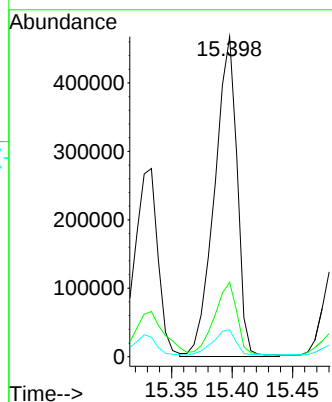
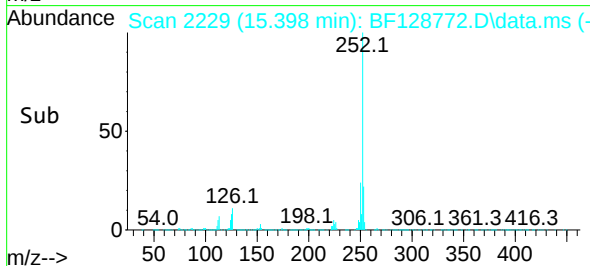
Instrument :
BNA_F
ClientSampleId :
OR-03-060922



Tgt Ion:252 Resp: 605640
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 8.4 8.8 13.2

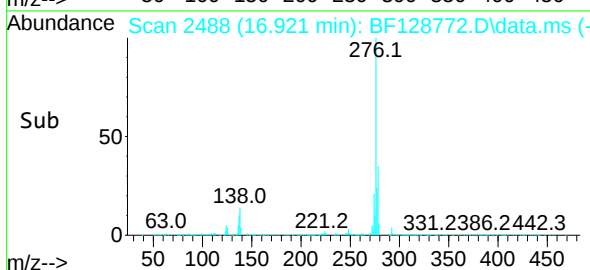
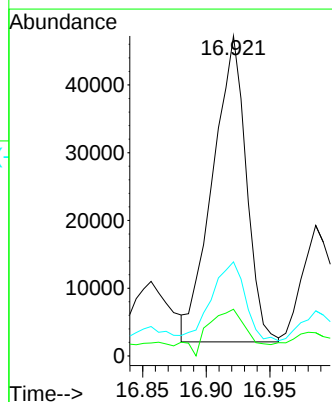
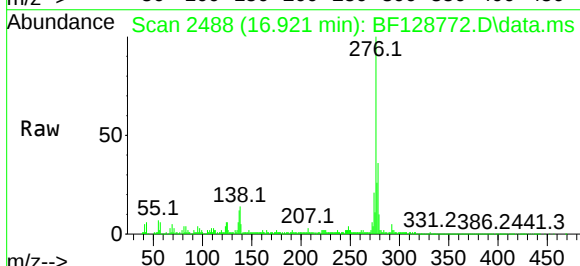
Manual Integrations
APPROVED

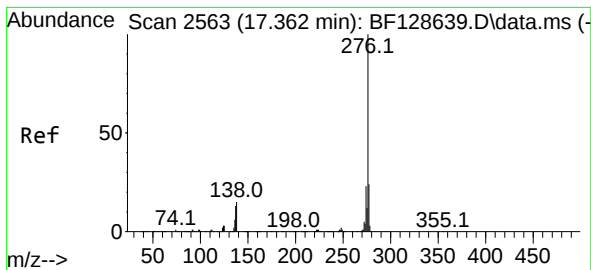
Reviewed By :Christian Giraldo 06/13/2022
Supervised By :Jagrut Upadhyay 06/13/2022



#91
Dibenzo(a,h)anthracene
Concen: 15.959 ng m
RT: 16.921 min Scan# 2488
Delta R.T. 0.006 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

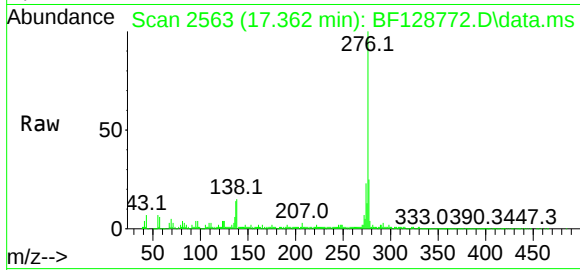
Tgt Ion:278 Resp: 82861
Ion Ratio Lower Upper
278 100
139 14.6 12.8 19.2
279 29.4 18.6 28.0





#92
Benzo(g,h,i)perylene
Concen: 51.170 ng
RT: 17.362 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF128772.D
Acq: 10 Jun 2022 21:43

Instrument :
BNA_F
ClientSampleId :
OR-03-060922



Tgt Ion: 276 Resp: 263312
Ion Ratio Lower Upper
276 100
277 25.4 19.1 28.7
138 15.2 18.0 27.0

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 06/13/2022
Supervised By : Jagrut Upadhyay 06/13/2022

