

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
 Data File : BF127040.D
 Acq On : 23 Feb 2022 15:34
 Operator : CG\JU
 Sample : N1635-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-124042

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/24/2022
 Supervised By : Jagrut Upadhyay 02/24/2022

Quant Time: Feb 24 02:16:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	96966	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	393044	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	197950	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	313594	20.000	ng	# 0.00
76) Chrysene-d12	14.080	240	137197	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	152666	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	725321	115.611	ng	0.00
7) Phenol-d6	6.534	99	949304	112.137	ng	0.00
23) Nitrobenzene-d5	7.469	82	679898	78.080	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	272602	119.608	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	913726	67.954	ng	0.00
79) Terphenyl-d14	13.022	244	797836	85.487	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.545	94	26657	3.116	ng	77
31) Naphthalene	8.210	128	385795	18.803	ng	99
37) 2-Methylnaphthalene	8.904	142	266495	20.017	ng	97
38) 1-Methylnaphthalene	8.998	142	137162	10.759	ng	99
46) 1,1'-Biphenyl	9.363	154	107403	6.848	ng	98
49) Acenaphthylene	9.804	152	86048	4.555	ng	98
52) Acenaphthene	9.986	154	819242	66.681	ng	97
55) Dibenzofuran	10.151	168	635821	37.636	ng	# 88
58) Fluorene	10.498	166	860836	65.415	ng	99
71) Phenanthrene	11.480	178	4124725	234.994	ng	96
72) Anthracene	11.522	178	466642	26.705	ng	99
73) Carbazole	11.669	167	140338	8.758	ng	98
75) Fluoranthene	12.669	202	2549402	152.969	ng	94
78) Pyrene	12.898	202	1640841	137.661	ng	98
81) Benzo(a)anthracene	14.074	228	339223	36.676	ng	98
83) Chrysene	14.110	228	242307m	27.859	ng	
87) Indeno(1,2,3-cd)pyrene	17.092	276	46249	4.620	ng	# 84
88) Benzo(b)fluoranthene	15.139	252	218835m	21.342	ng	
89) Benzo(k)fluoranthene	15.163	252	62323m	6.302	ng	
90) Benzo(a)pyrene	15.515	252	116470m	14.542	ng	
92) Benzo(g,h,i)perylene	17.557	276	38886	4.764	ng	# 86

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

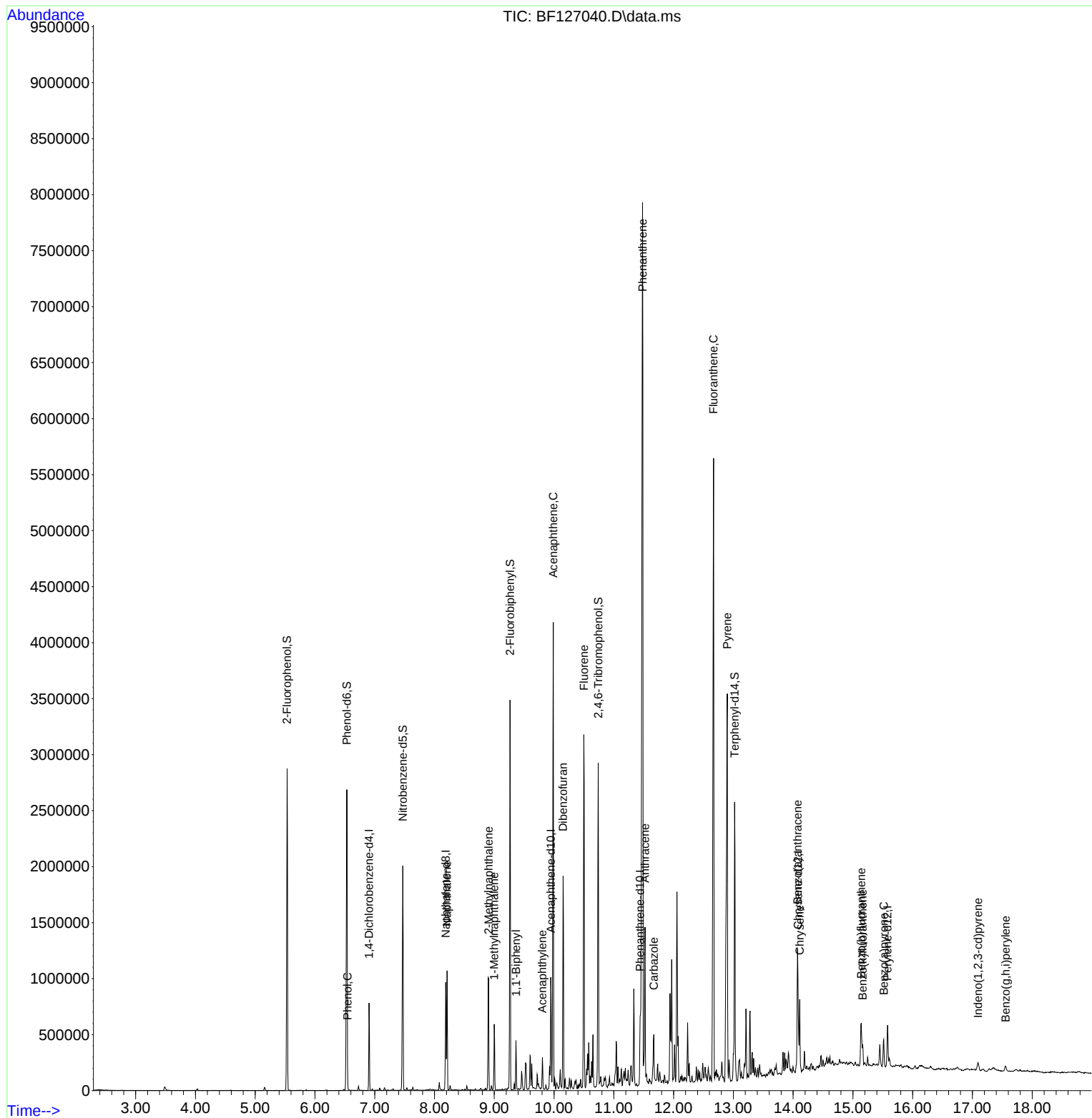
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
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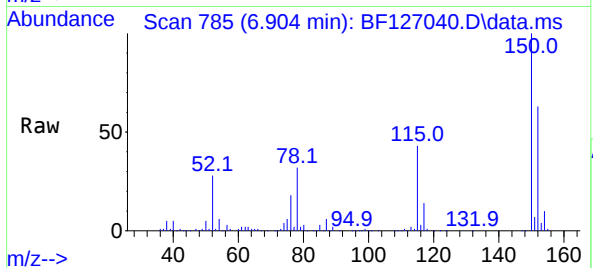
Reviewed By : Christian Giraldo 02/24/2022
Supervised By : Jagrut Upadhyay 02/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

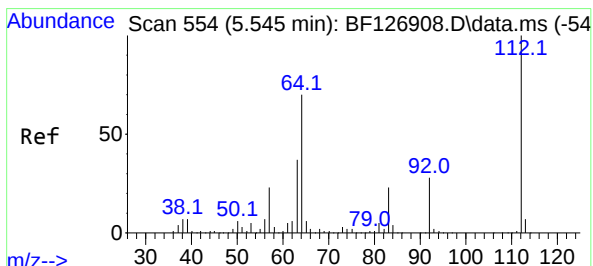
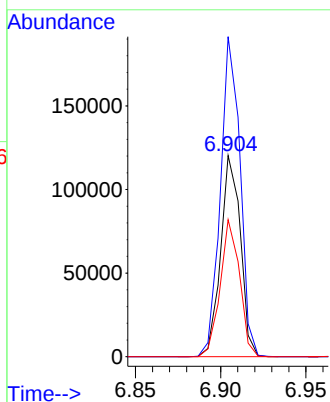
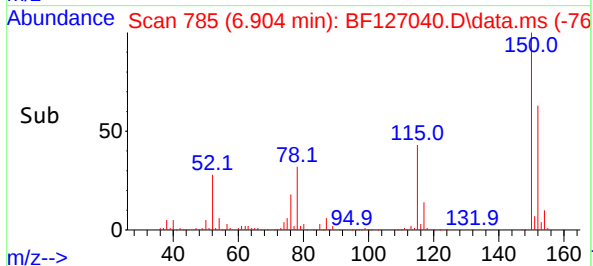
Instrument :
BNA_F
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RO-124042



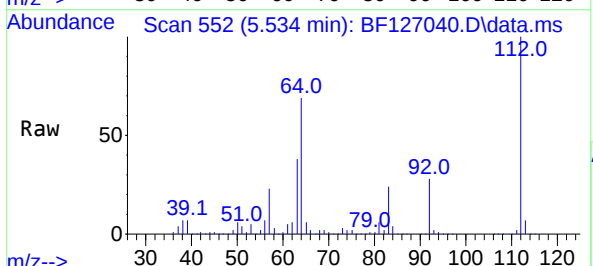
Tgt Ion:152 Resp: 96960
Ion Ratio Lower Upper
152 100
150 159.1 128.1 192.1
115 68.1 56.7 85.1

Manual Integrations
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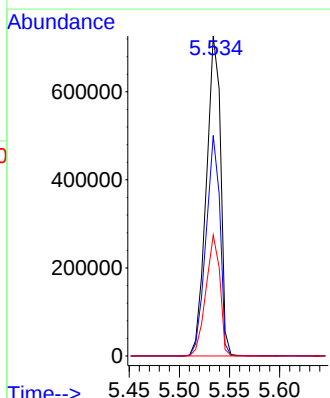
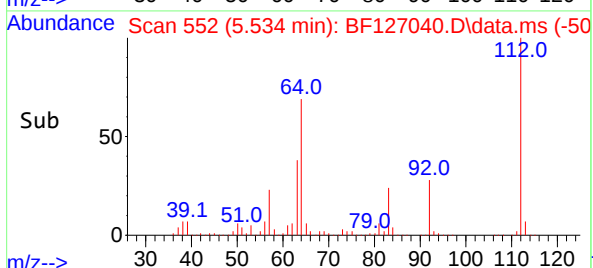
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022



#5
2-Fluorophenol
Concen: 115.611 ng
RT: 5.534 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34



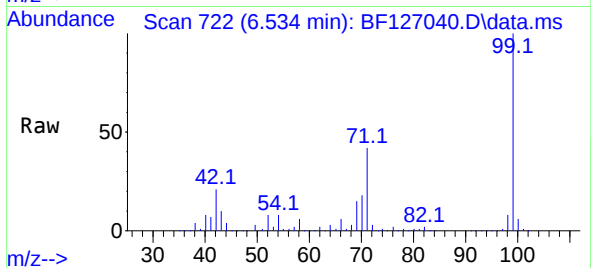
Tgt Ion:112 Resp: 725321
Ion Ratio Lower Upper
112 100
64 68.9 49.5 74.3
63 37.8 23.9 35.9





#7
Phenol-d6
Concen: 112.137 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

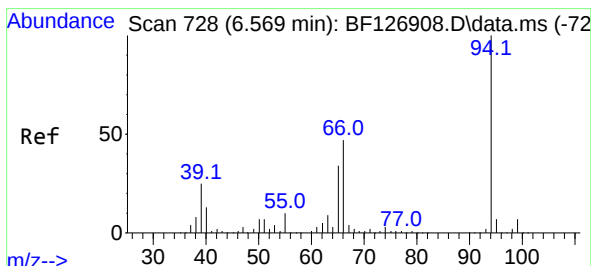
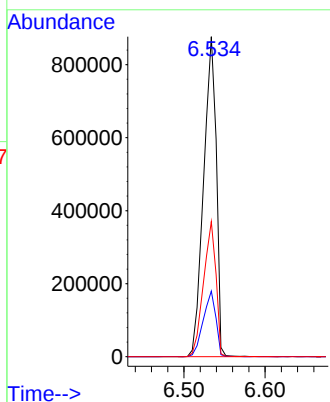
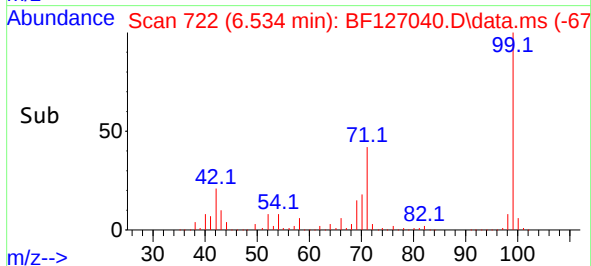
Instrument :
BNA_F
ClientSampleId :
RO-124042



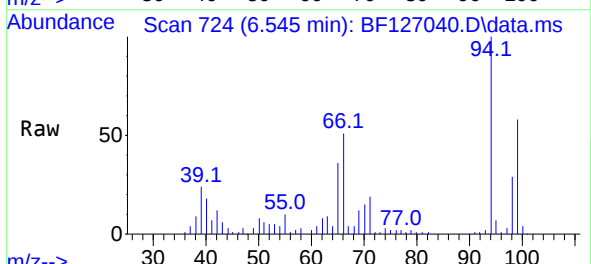
Tgt Ion: 99 Resp: 949304
Ion Ratio Lower Upper
99 100
42 20.5 14.2 21.4
71 42.2 24.3 36.5

Manual Integrations
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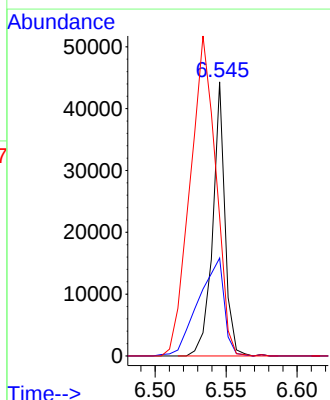
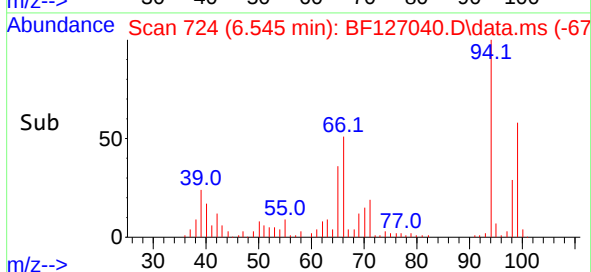
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022

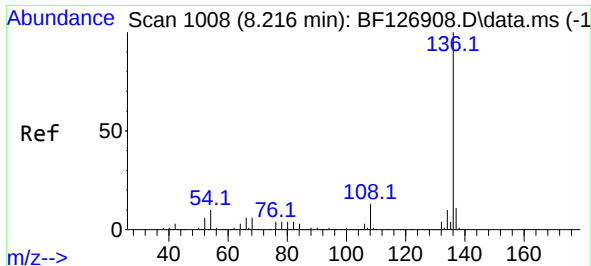


#10
Phenol
Concen: 3.116 ng
RT: 6.545 min Scan# 724
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34



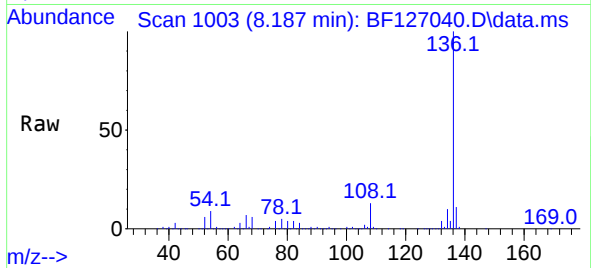
Tgt Ion: 94 Resp: 26657
Ion Ratio Lower Upper
94 100
65 35.7 7.2 47.2
66 50.6 14.5 54.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

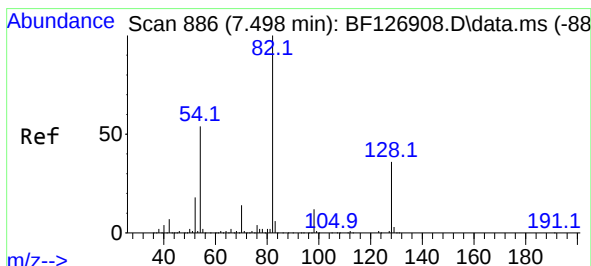
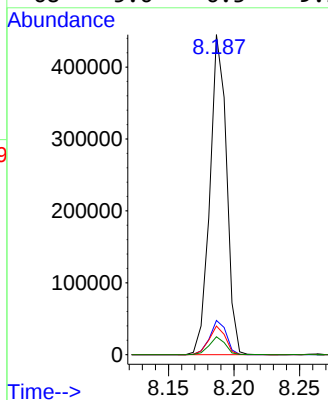
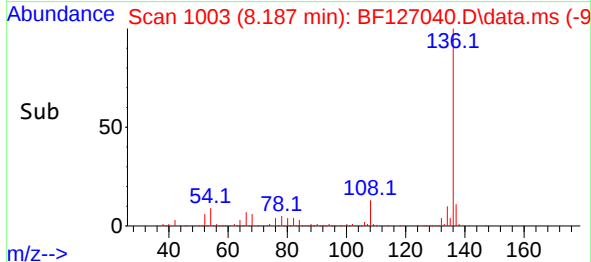
Instrument :
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ClientSampleId :
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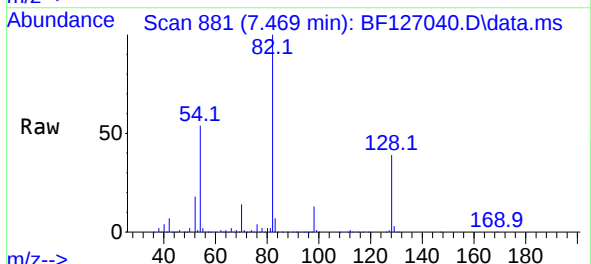
Tgt Ion:136 Resp: 393044
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.0 7.8 11.6
68 5.6 6.3 9.5#

Manual Integrations
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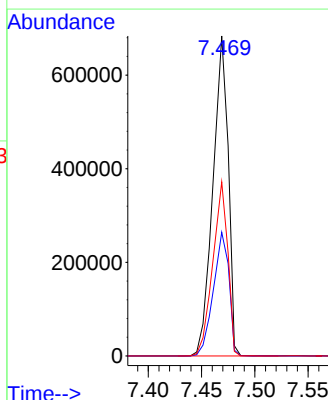
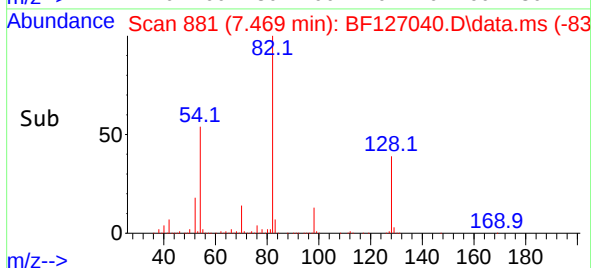
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022

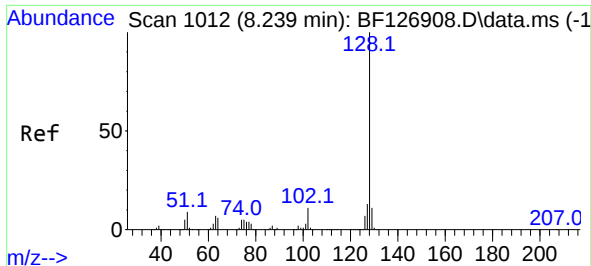


#23
Nitrobenzene-d5
Concen: 78.080 ng
RT: 7.469 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34



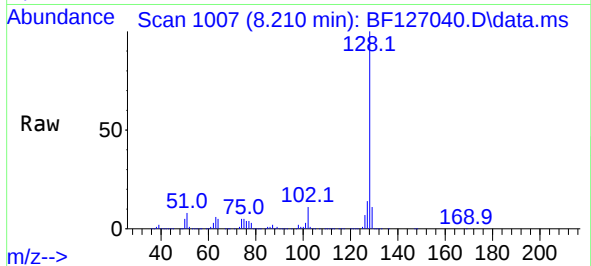
Tgt Ion: 82 Resp: 679898
Ion Ratio Lower Upper
82 100
128 38.6 32.7 49.1
54 54.4 41.7 62.5





#31
Naphthalene
Concen: 18.803 ng
RT: 8.210 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

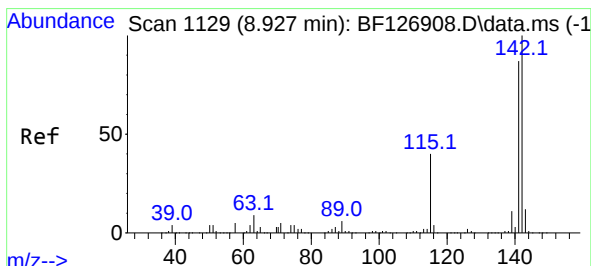
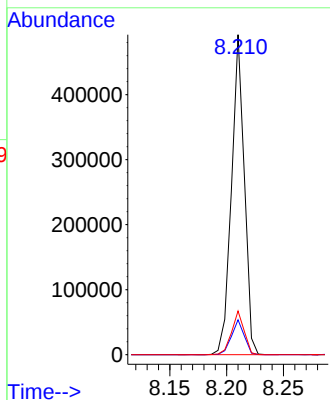
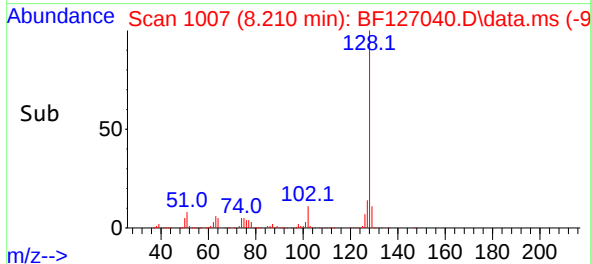
Instrument :
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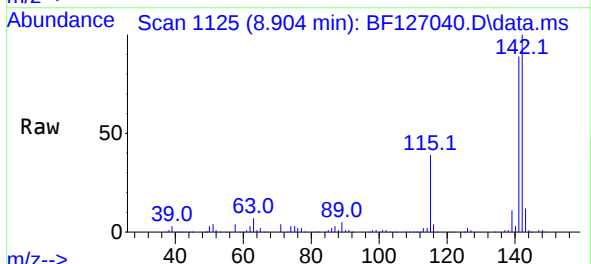
Tgt Ion:128 Resp: 385795
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.6 10.3 15.5

Manual Integrations
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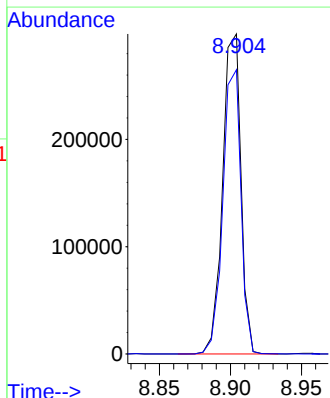
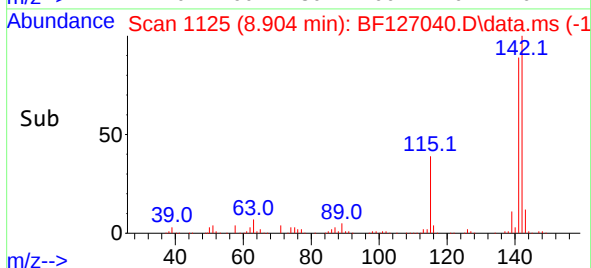
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022

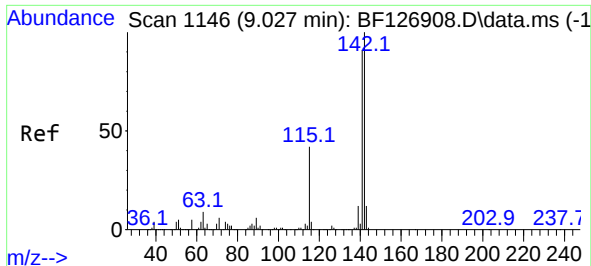


#37
2-Methylnaphthalene
Concen: 20.017 ng
RT: 8.904 min Scan# 1125
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34



Tgt Ion:142 Resp: 266495
Ion Ratio Lower Upper
142 100
141 88.8 68.6 102.8





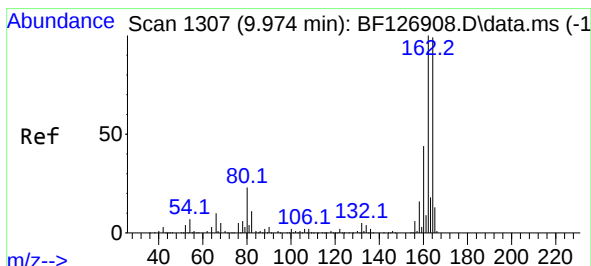
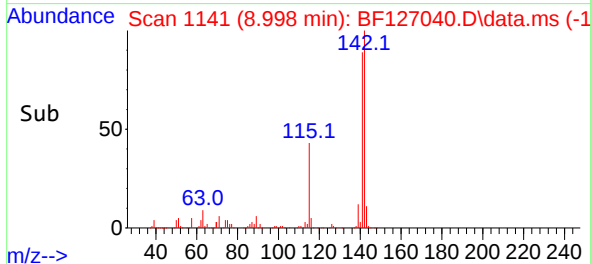
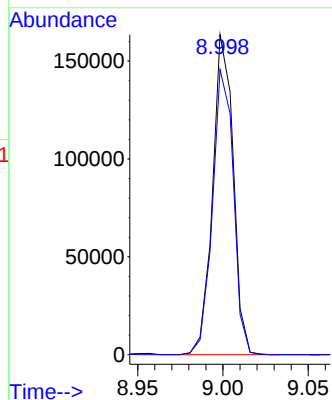
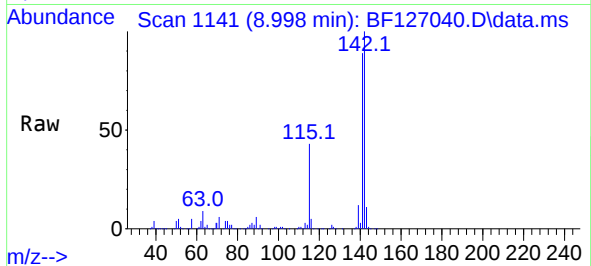
#38
1-Methylnaphthalene
Concen: 10.759 ng
RT: 8.998 min Scan# 1146
Delta R.T. -0.012 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

Instrument :
BNA_F
ClientSampleId :
RO-124042

Tgt Ion:142 Resp: 137162
Ion Ratio Lower Upper
142 100
141 89.1 72.1 108.1

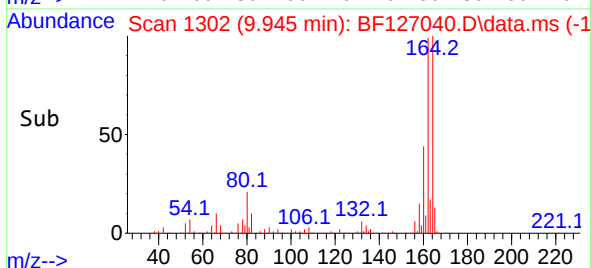
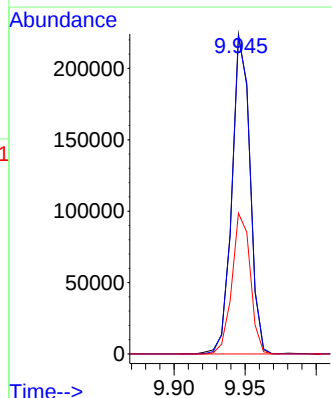
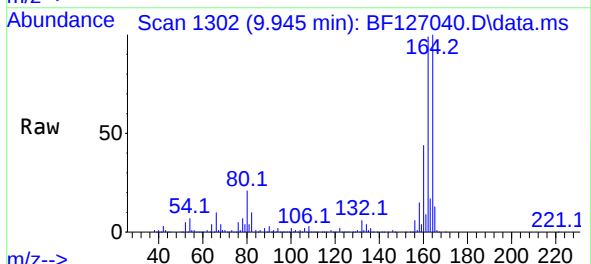
Manual Integrations
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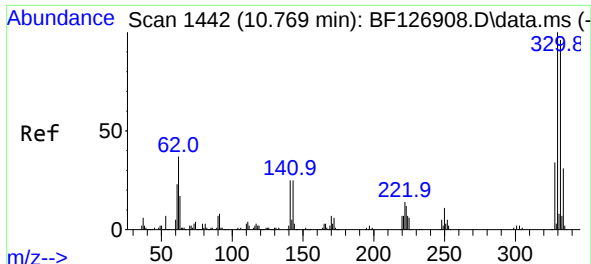
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

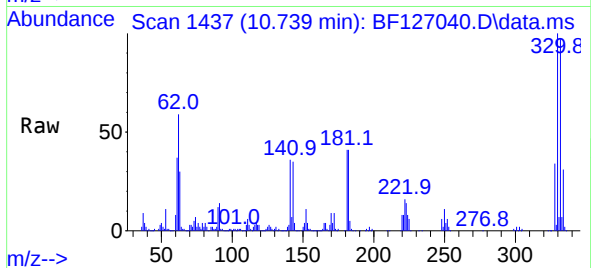
Tgt Ion:164 Resp: 197950
Ion Ratio Lower Upper
164 100
162 99.1 81.4 122.0
160 44.0 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 119.608 ng
RT: 10.739 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

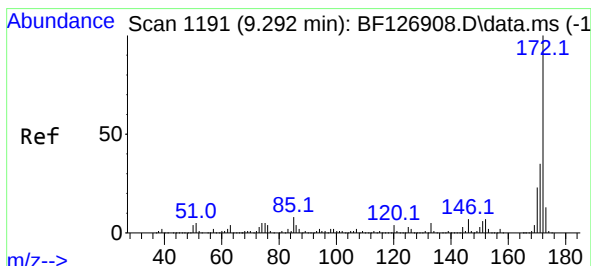
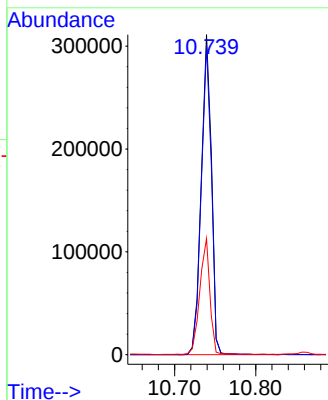
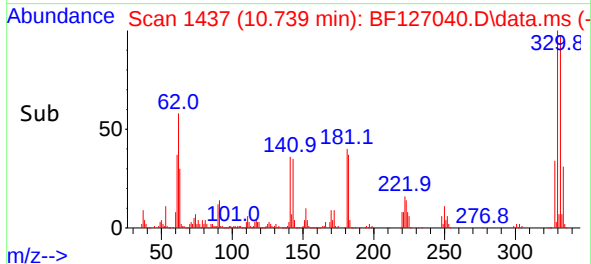
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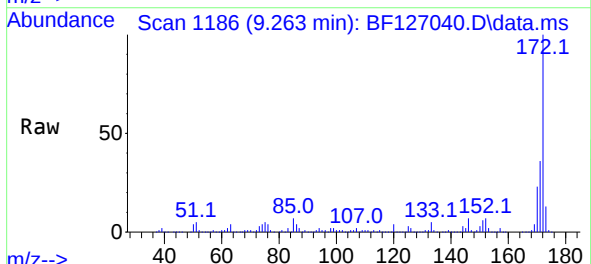
Tgt Ion: 330 Resp: 272602
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 36.2 30.1 45.1

Manual Integrations
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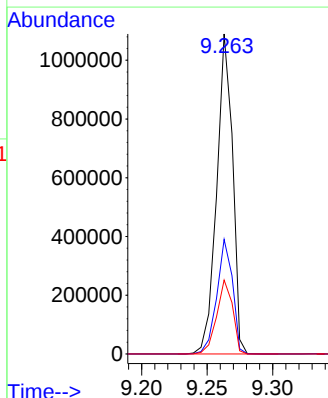
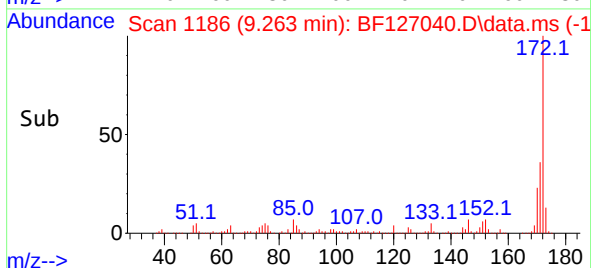
Reviewed By : Christian Giraldo 02/24/2022
Supervised By : Jagrut Upadhyay 02/24/2022

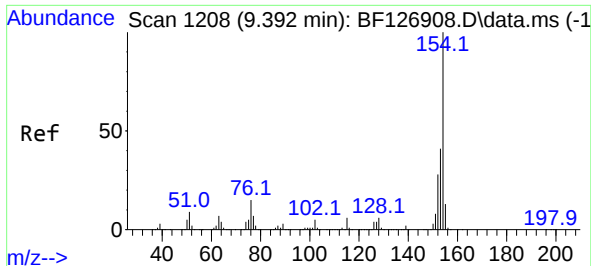


#45
2-Fluorobiphenyl
Concen: 67.954 ng
RT: 9.263 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34



Tgt Ion: 172 Resp: 913726
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.1 19.0 28.6





#46

1,1'-Biphenyl

Concen: 6.848 ng

RT: 9.363 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF127040.D

Acq: 23 Feb 2022 15:34

Instrument :

BNA_F

ClientSampleId :

RO-124042

Tgt Ion:154 Resp: 10740

Ion Ratio Lower Upper

154 100

153 39.4 19.0 59.0

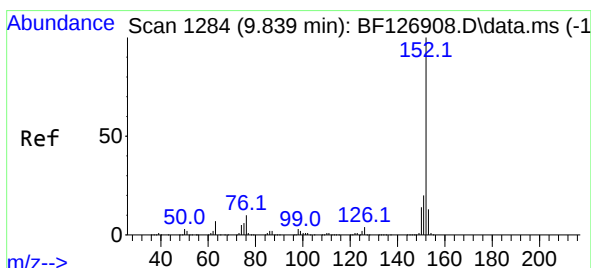
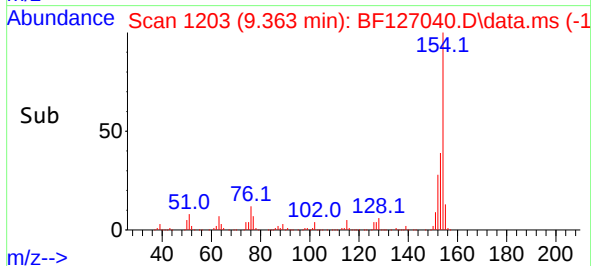
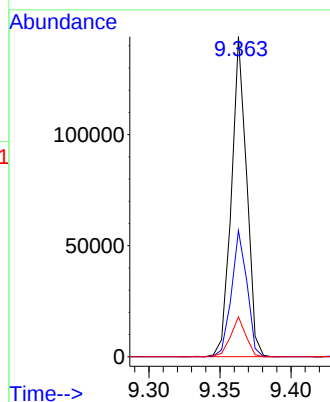
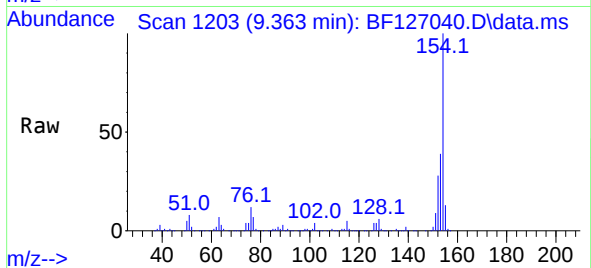
76 12.5 0.0 34.5

Manual Integrations

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Reviewed By :Christian Giraldo 02/24/2022

Supervised By :Jagrut Upadhyay 02/24/2022



#49

Acenaphthylene

Concen: 4.555 ng

RT: 9.804 min Scan# 1278

Delta R.T. -0.012 min

Lab File: BF127040.D

Acq: 23 Feb 2022 15:34

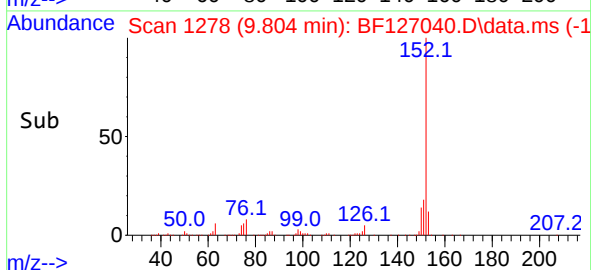
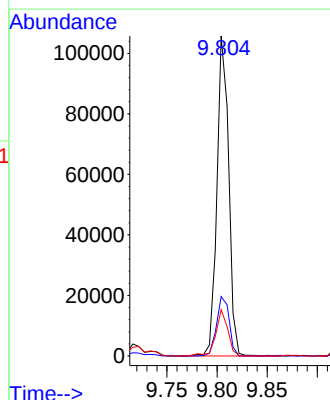
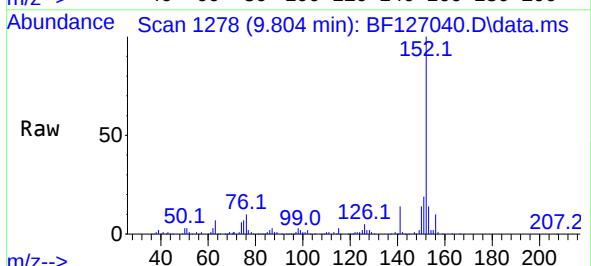
Tgt Ion:152 Resp: 86048

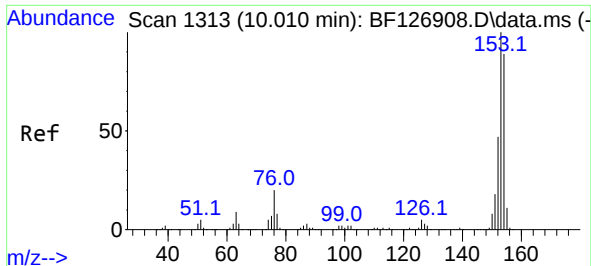
Ion Ratio Lower Upper

152 100

151 18.6 15.7 23.5

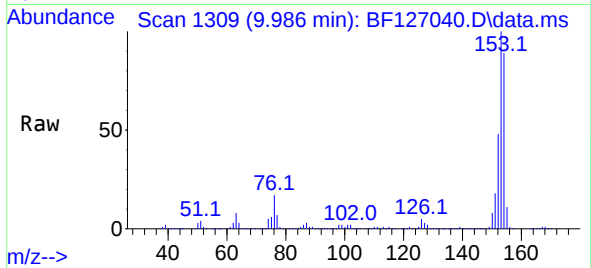
153 14.5 11.4 17.0





#52
Acenaphthene
Concen: 66.681 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

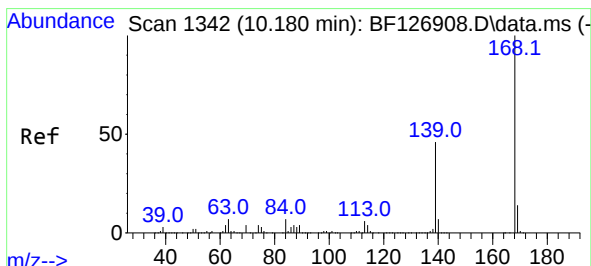
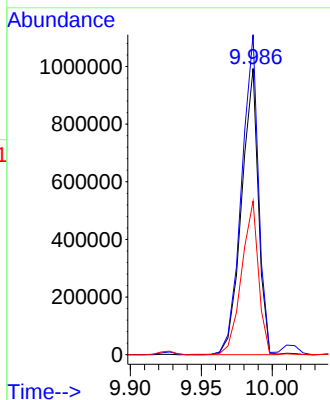
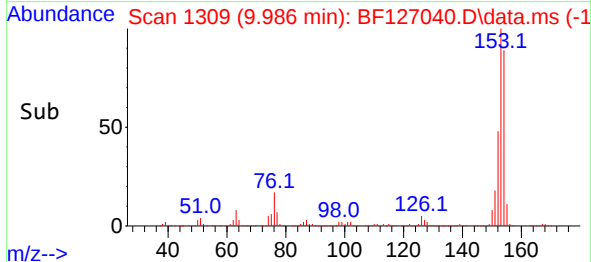
Instrument :
BNA_F
ClientSampleId :
RO-124042



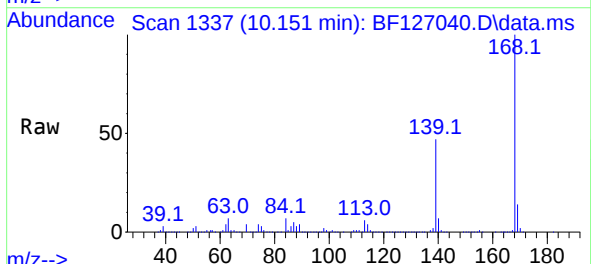
Tgt Ion:154 Resp: 81924
Ion Ratio Lower Upper
154 100
153 111.8 87.8 131.6
152 53.6 39.4 59.2

Manual Integrations
APPROVED

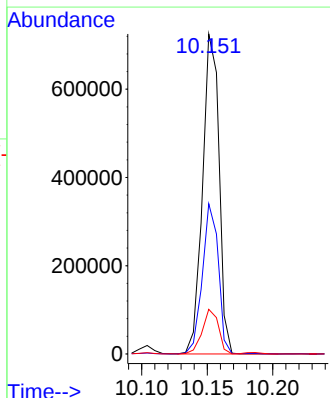
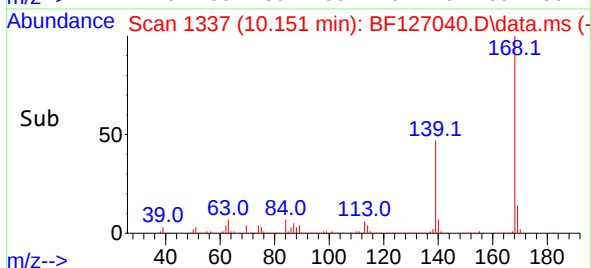
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022

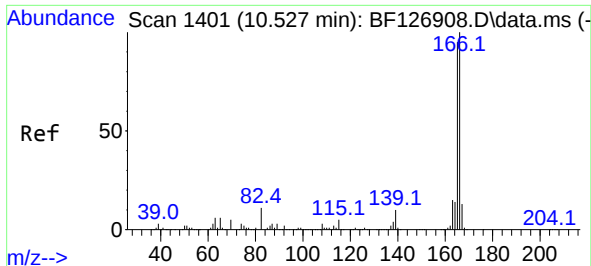


#55
Dibenzofuran
Concen: 37.636 ng
RT: 10.151 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34



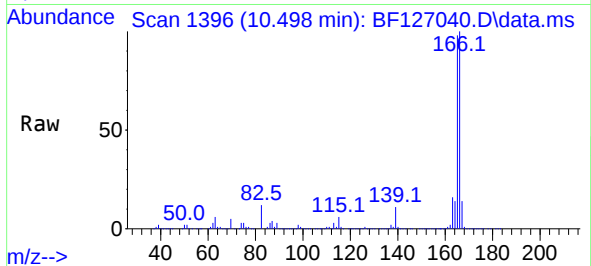
Tgt Ion:168 Resp: 635821
Ion Ratio Lower Upper
168 100
139 47.0 30.6 46.0#
169 14.0 10.0 15.0





#58
Fluorene
Concen: 65.415 ng
RT: 10.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

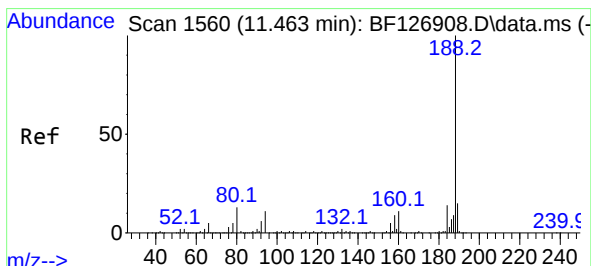
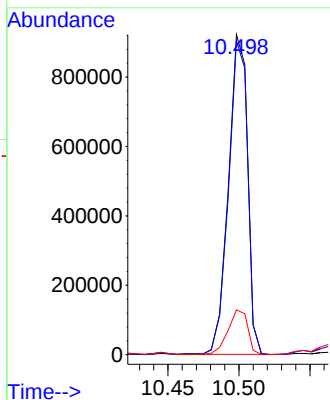
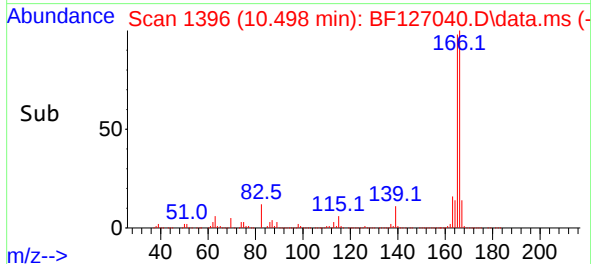
Instrument :
BNA_F
ClientSampleId :
RO-124042



Tgt Ion:166 Resp: 860830
Ion Ratio Lower Upper
166 100
165 98.0 77.7 116.5
167 14.0 10.7 16.1

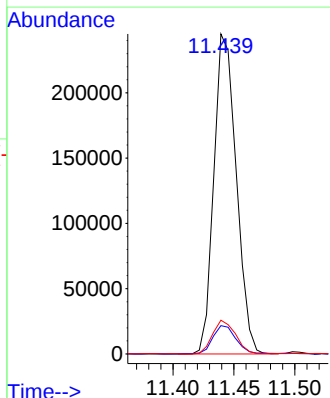
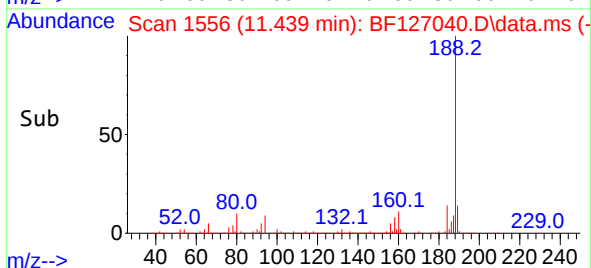
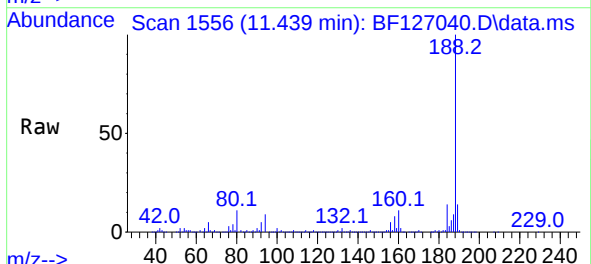
Manual Integrations
APPROVED

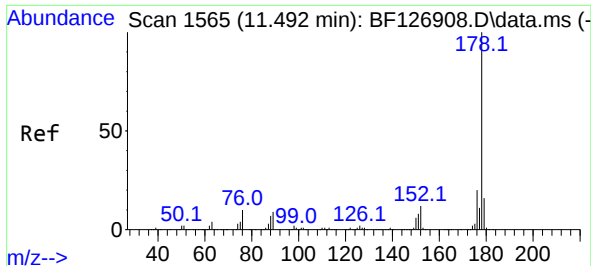
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

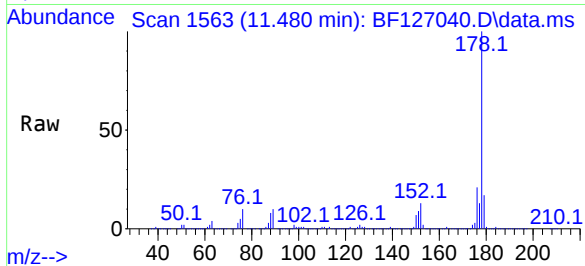
Tgt Ion:188 Resp: 313594
Ion Ratio Lower Upper
188 100
94 8.9 10.1 15.1#
80 10.5 11.8 17.6#





#71
Phenanthrene
Concen: 234.994 ng
RT: 11.480 min Scan# 11480
Delta R.T. 0.012 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

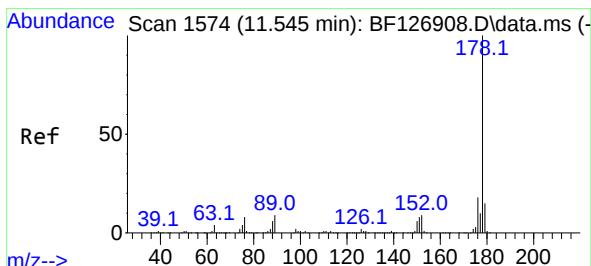
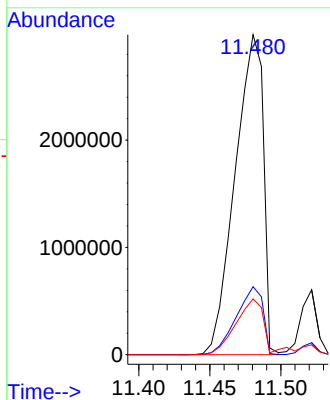
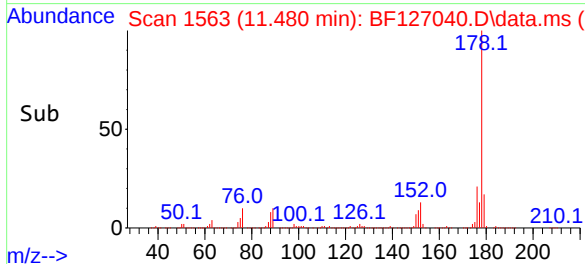
Instrument :
BNA_F
ClientSampleId :
RO-124042



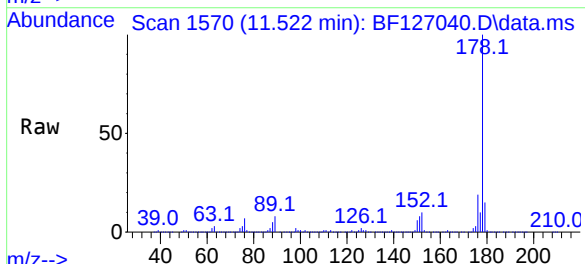
Tgt Ion:178 Resp: 4124725
Ion Ratio Lower Upper
178 100
176 21.3 15.7 23.5
179 17.4 12.3 18.5

Manual Integrations
APPROVED

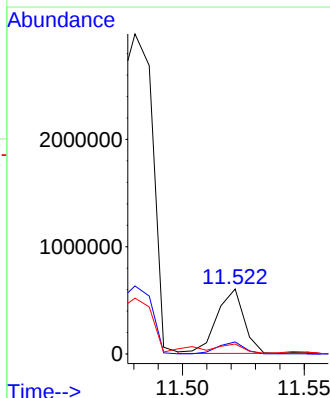
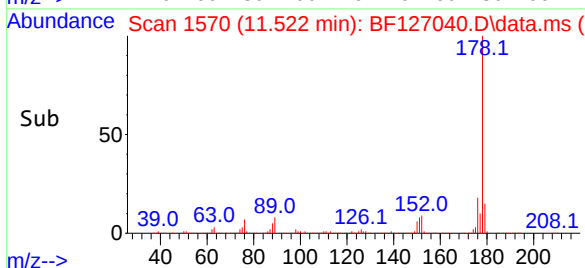
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022

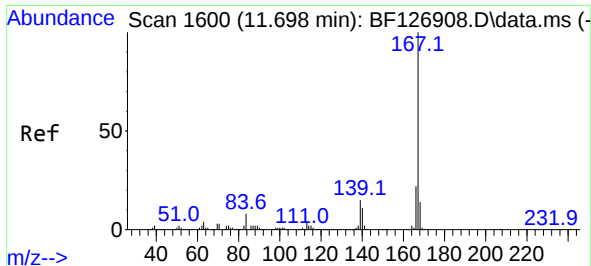


#72
Anthracene
Concen: 26.705 ng
RT: 11.522 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34



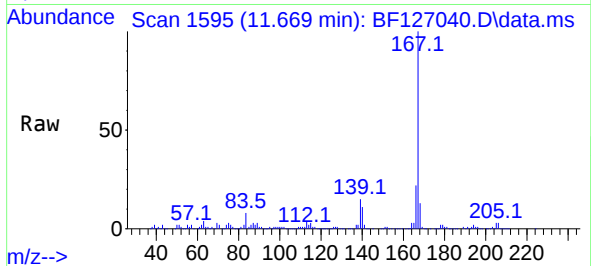
Tgt Ion:178 Resp: 466642
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.3 12.5 18.7





#73
 Carbazole
 Concen: 8.758 ng
 RT: 11.669 min Scan# 1166
 Delta R.T. -0.006 min
 Lab File: BF127040.D
 Acq: 23 Feb 2022 15:34

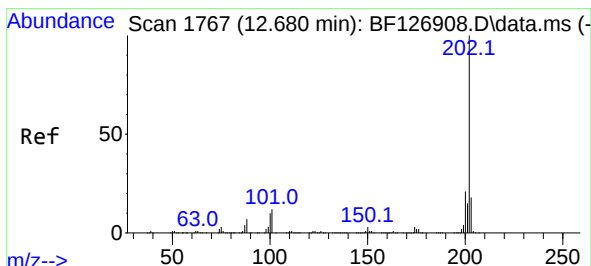
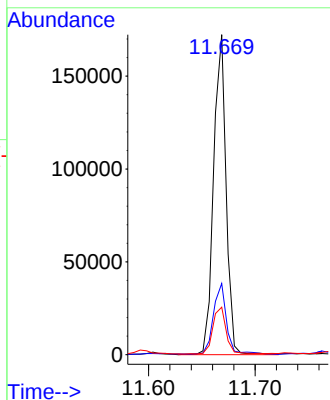
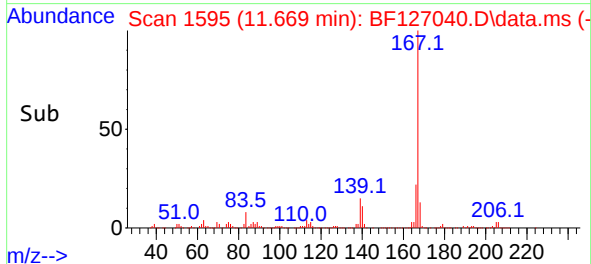
Instrument :
 BNA_F
 ClientSampleId :
 RO-124042



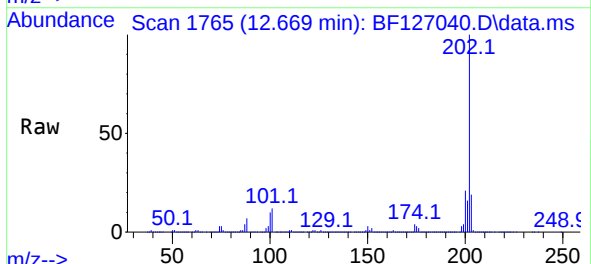
Tgt Ion:167 Resp: 140338
 Ion Ratio Lower Upper
 167 100
 166 22.2 16.9 25.3
 139 14.8 11.3 16.9

Manual Integrations
 APPROVED

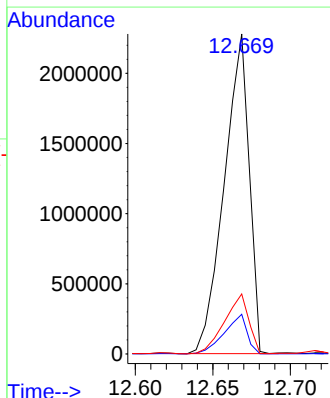
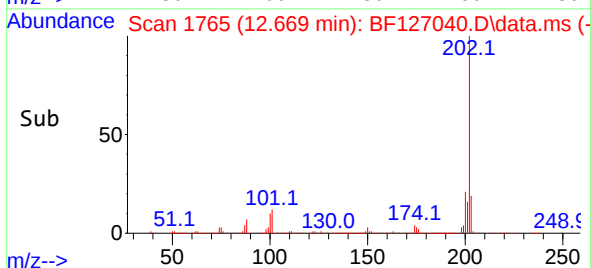
Reviewed By :Christian Giraldo 02/24/2022
 Supervised By :Jagrut Upadhyay 02/24/2022

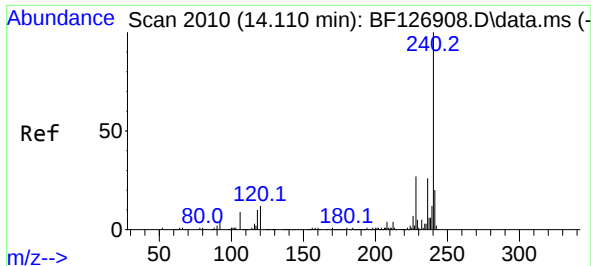


#75
 Fluoranthene
 Concen: 152.969 ng
 RT: 12.669 min Scan# 1765
 Delta R.T. 0.012 min
 Lab File: BF127040.D
 Acq: 23 Feb 2022 15:34



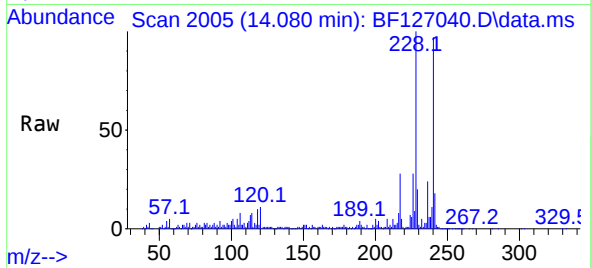
Tgt Ion:202 Resp: 2549402
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 35.7
 203 18.8 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

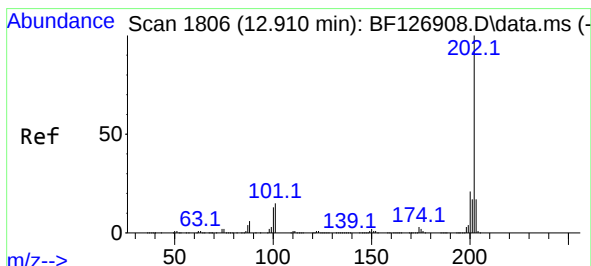
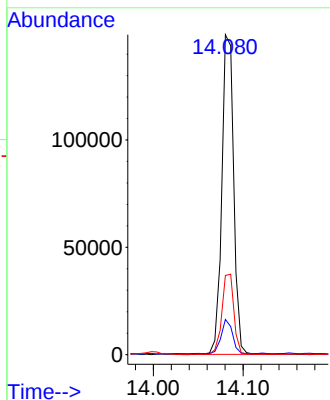
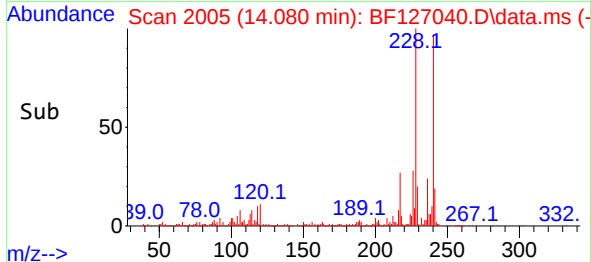
Instrument :
BNA_F
ClientSampleId :
RO-124042



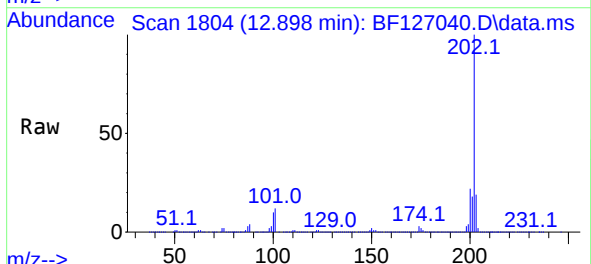
Tgt Ion:240 Resp: 137197
Ion Ratio Lower Upper
240 100
120 11.0 14.4 21.6
236 24.8 20.5 30.7

Manual Integrations
APPROVED

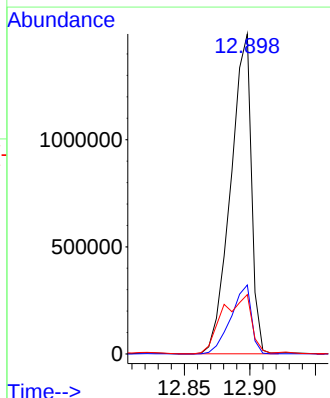
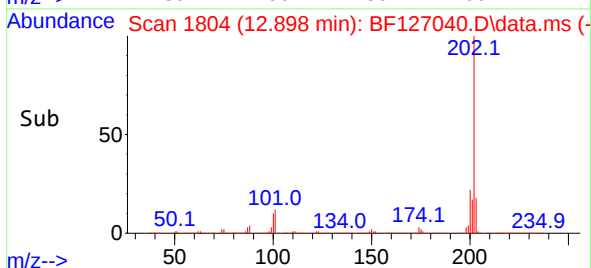
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022

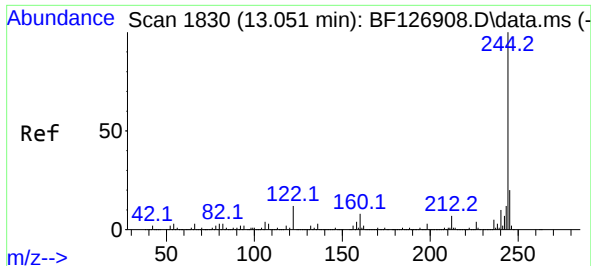


#78
Pyrene
Concen: 137.661 ng
RT: 12.898 min Scan# 1804
Delta R.T. 0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34



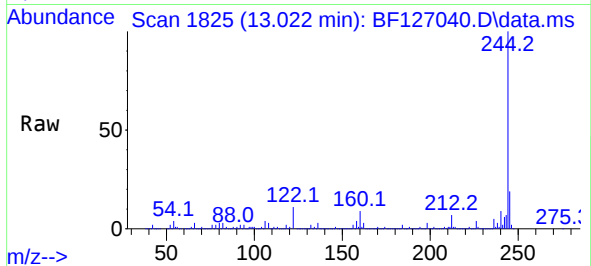
Tgt Ion:202 Resp: 1640841
Ion Ratio Lower Upper
202 100
200 21.6 16.6 24.8
203 18.6 13.8 20.8





#79
Terphenyl-d14
Concen: 85.487 ng
RT: 13.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

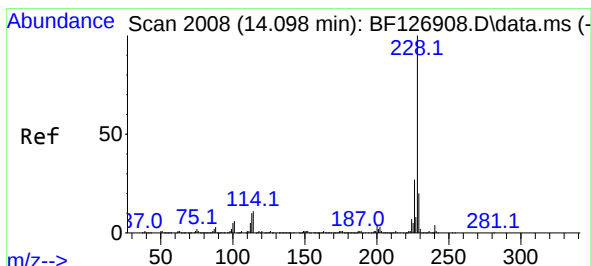
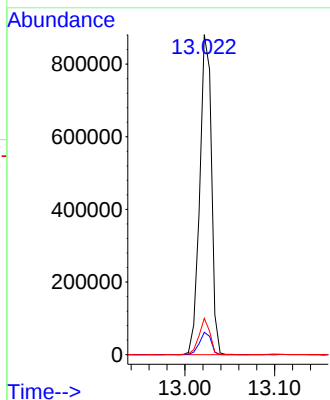
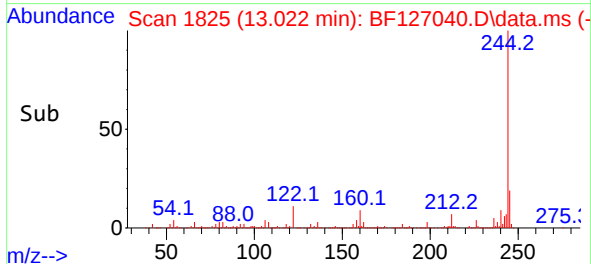
Instrument :
BNA_F
ClientSampleId :
RO-124042



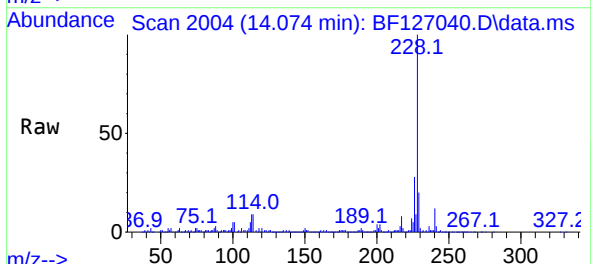
Tgt Ion:244 Resp: 797830
Ion Ratio Lower Upper
244 100
212 7.0 5.0 7.4
122 11.4 13.3 19.9

Manual Integrations
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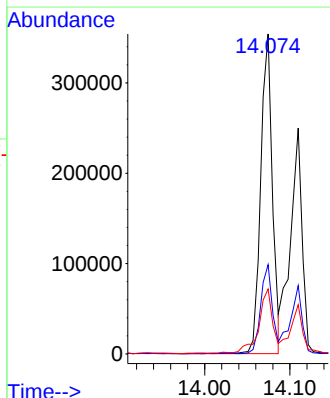
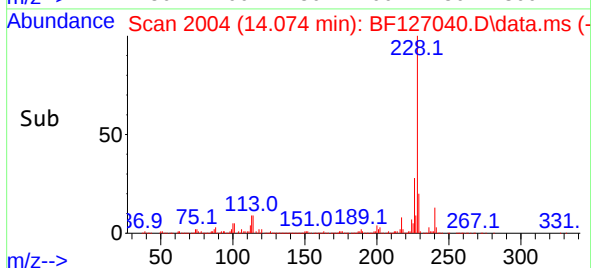
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022

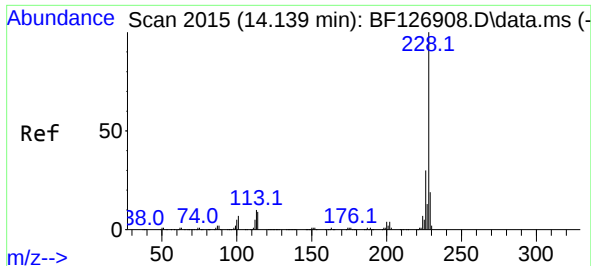


#81
Benzo(a)anthracene
Concen: 36.676 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34



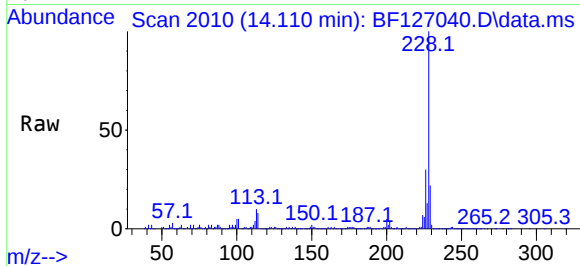
Tgt Ion:228 Resp: 339223
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.0
229 20.3 15.4 23.2





#83
Chrysene
Concen: 27.859 ng m
RT: 14.110 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

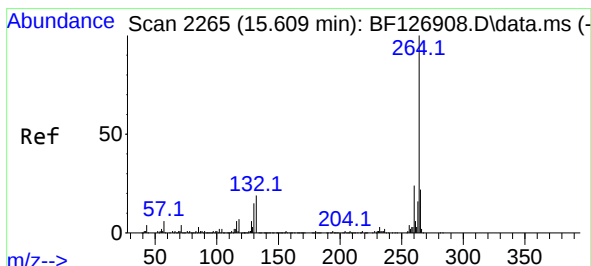
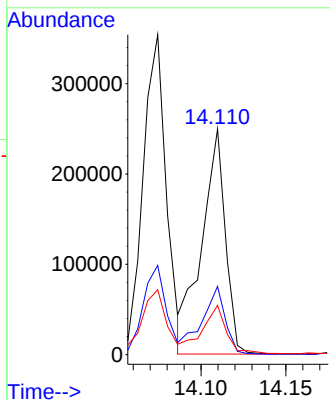
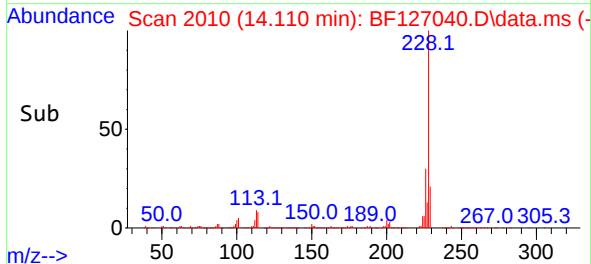
Instrument :
BNA_F
ClientSampleId :
RO-124042



Tgt Ion:228 Resp: 242307
Ion Ratio Lower Upper
228 100
226 30.2 23.7 35.5
229 21.8 15.5 23.3

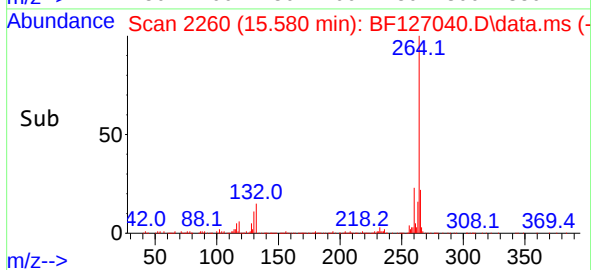
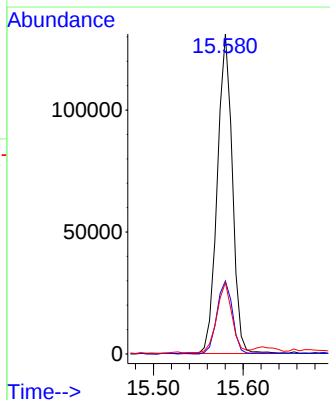
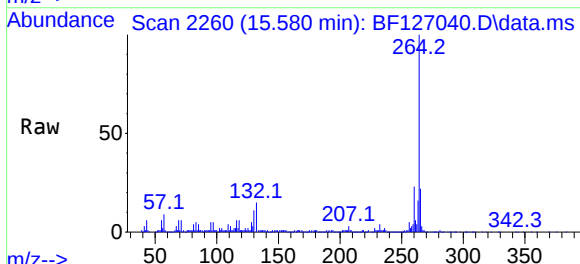
Manual Integrations
APPROVED

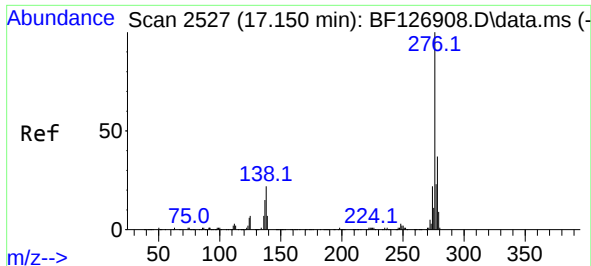
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

Tgt Ion:264 Resp: 152666
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 22.3 17.4 26.2





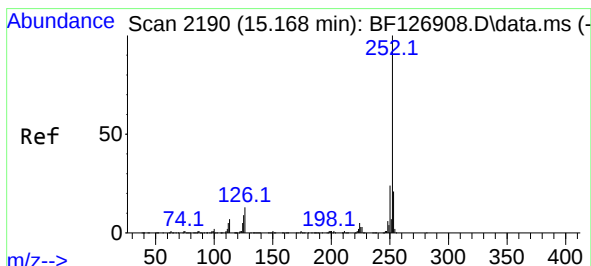
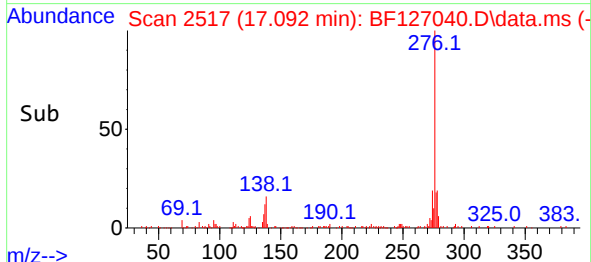
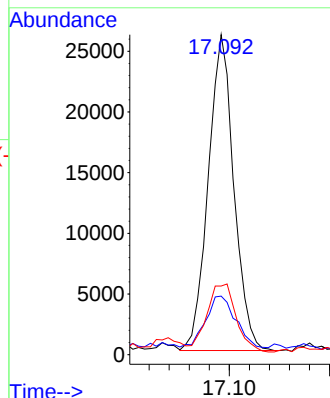
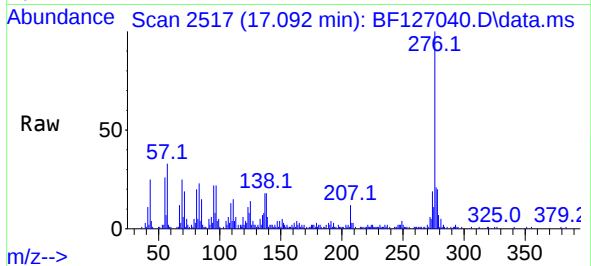
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.620 ng
RT: 17.092 min Scan# 2185
Delta R.T. -0.023 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

Instrument :
BNA_F
ClientSampleId :
RO-124042

Tgt Ion:276 Resp: 46249
Ion Ratio Lower Upper
276 100
138 21.1 29.2 43.8
277 24.8 19.8 29.8

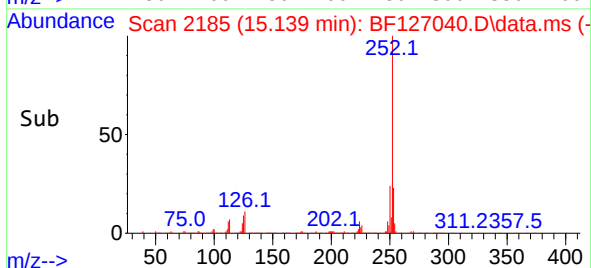
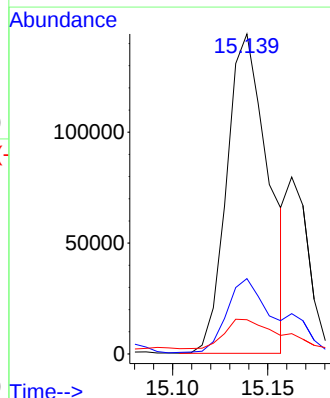
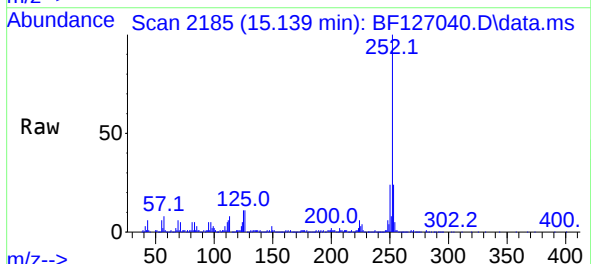
Manual Integrations
APPROVED

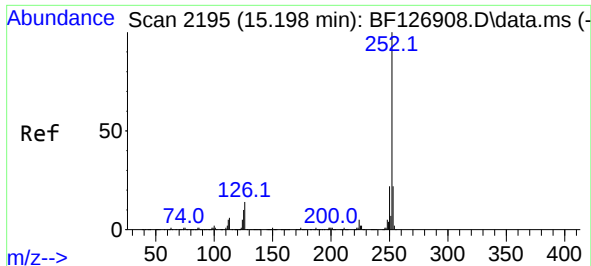
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022



#88
Benzo(b)fluoranthene
Concen: 21.342 ng m
RT: 15.139 min Scan# 2185
Delta R.T. -0.006 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

Tgt Ion:252 Resp: 218835
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 10.7 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 6.302 ng m

RT: 15.163 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF127040.D

Acq: 23 Feb 2022 15:34

Instrument :

BNA_F

ClientSampleId :

RO-124042

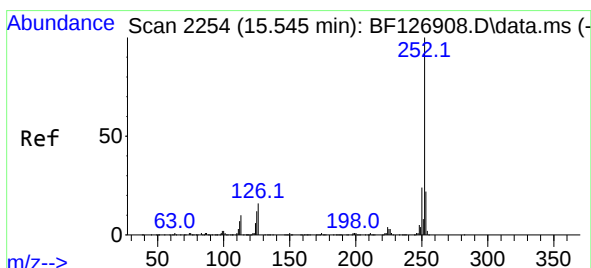
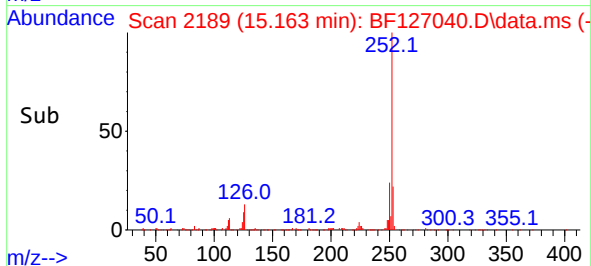
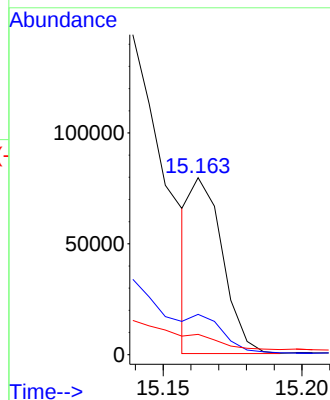
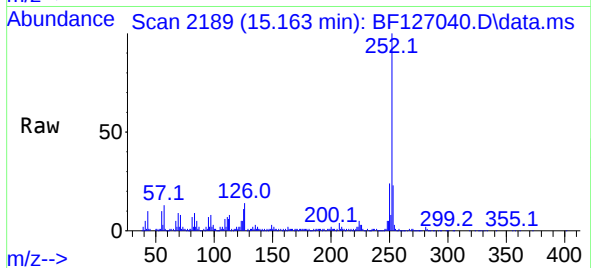
Tgt Ion:252 Resp: 62320
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.5 26.3
 125 11.5 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/24/2022

Supervised By :Jagrut Upadhyay 02/24/2022



#90

Benzo(a)pyrene

Concen: 14.542 ng m

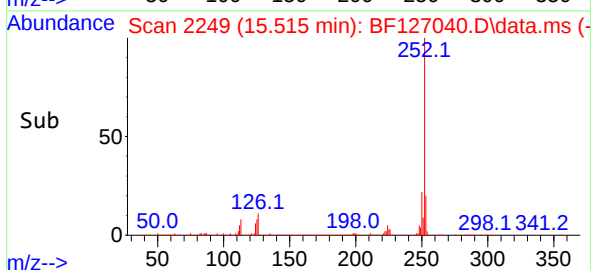
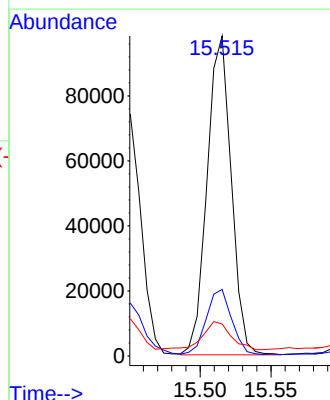
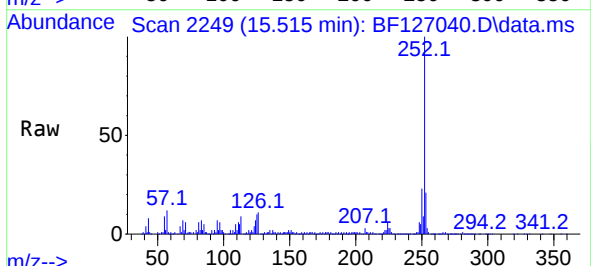
RT: 15.515 min Scan# 2249

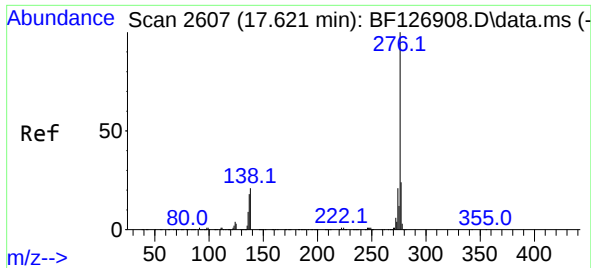
Delta R.T. -0.006 min

Lab File: BF127040.D

Acq: 23 Feb 2022 15:34

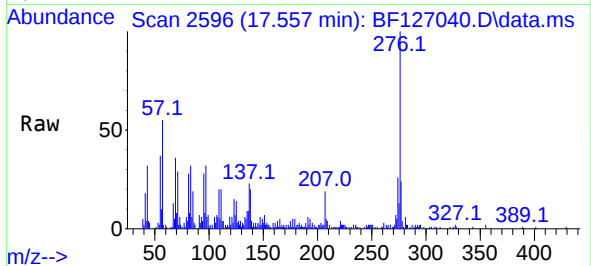
Tgt Ion:252 Resp: 116470
 Ion Ratio Lower Upper
 252 100
 253 20.8 17.1 25.7
 125 10.0 13.0 19.6





#92
Benzo(g,h,i)perylene
Concen: 4.764 ng
RT: 17.557 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF127040.D
Acq: 23 Feb 2022 15:34

Instrument :
BNA_F
ClientSampleId :
RO-124042



Tgt Ion: 276 Resp: 3888
Ion Ratio Lower Upper
276 100
277 24.0 18.5 27.7
138 20.1 25.9 38.9

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 02/24/2022
Supervised By : Jagrut Upadhyay 02/24/2022

