

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032322\
 Data File : BF127491.D
 Acq On : 23 Mar 2022 20:16
 Operator : CG\JU
 Sample : N1962-10DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-23-25-28DL

Quant Time: Mar 24 02:13:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 22 02:16:33 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/24/2022
 Supervised By : Jagrut Upadhyay 03/24/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	106974	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	389523	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	215863	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	328807	20.000	ng	0.00
76) Chrysene-d12	14.021	240	223681	20.000	ng	0.00
86) Perylene-d12	15.504	264	233934	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	340808	50.854	ng	0.00
7) Phenol-d6	6.481	99	467608	51.045	ng	0.00
23) Nitrobenzene-d5	7.410	82	287762	31.579	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	92365	40.168	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	469915	31.788	ng	-0.01
79) Terphenyl-d14	12.957	244	323058	23.643	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.151	128	507997	24.564	ng	99
37) 2-Methylnaphthalene	8.839	142	65636	4.936	ng	99
38) 1-Methylnaphthalene	8.939	142	53905	4.100	ng	99
52) Acenaphthene	9.916	154	55945	4.940	ng	98
58) Fluorene	10.433	166	88877	4.592	ng	99
71) Phenanthrene	11.404	178	711563	41.510	ng	99
72) Anthracene	11.451	178	132666	7.799	ng	99
73) Carbazole	11.610	167	68743	4.226	ng	99
75) Fluoranthene	12.592	202	673953	35.745	ng	98
78) Pyrene	12.821	202	563499	29.354	ng	99
81) Benzo(a)anthracene	14.010	228	243995	16.311	ng	98
83) Chrysene	14.051	228	226333	15.978	ng	97
87) Indeno(1,2,3-cd)pyrene	17.004	276	93192	5.887	ng	98
88) Benzo(b)fluoranthene	15.068	252	266491m	18.067	ng	
89) Benzo(k)fluoranthene	15.098	252	98631m	6.450	ng	
90) Benzo(a)pyrene	15.439	252	201467	16.643	ng	97
92) Benzo(g,h,i)perylene	17.456	276	86668	6.416	ng	98

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

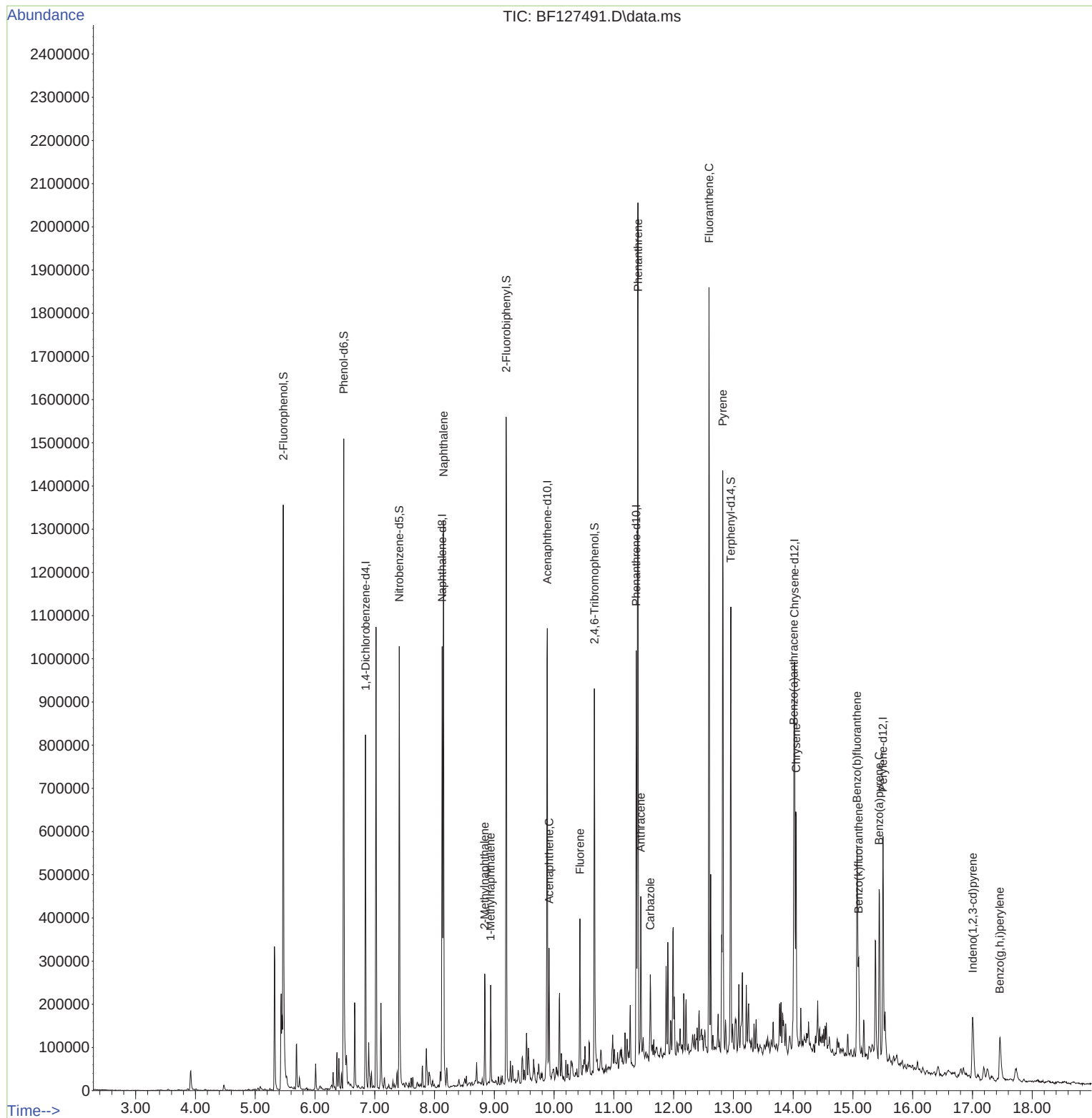
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Data File : BF127491.D
Acq On : 23 Mar 2022 20:16
Operator : CG\JU
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ALS Vial : 22 Sample Multiplier: 1

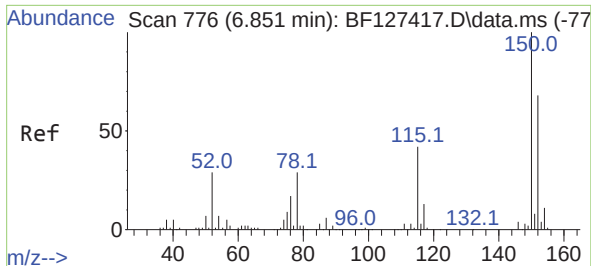
Instrument :
BNA_F
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C-23-25-28DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 22 02:16:33 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

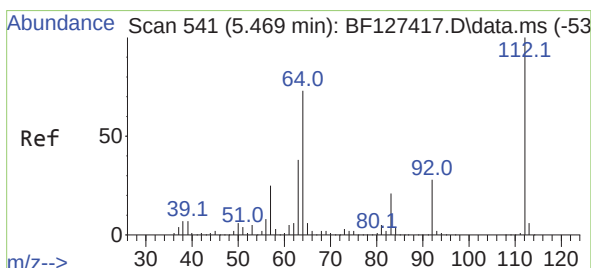
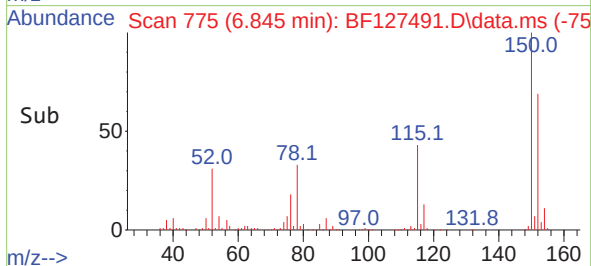
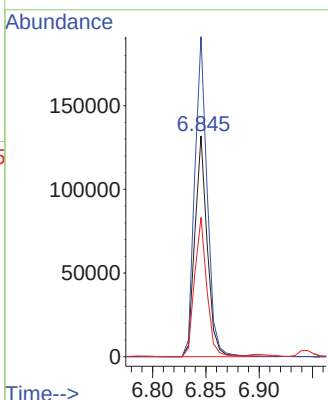
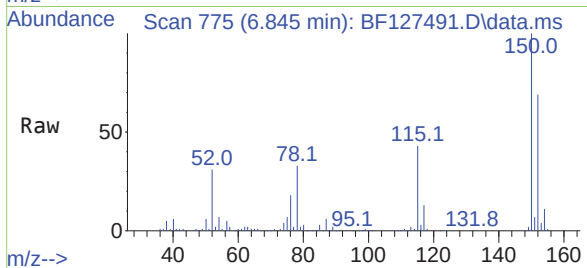
C-23-25-28DL

Tgt Ion:152 Resp: 106974
Ion Ratio Lower Upper
152 100
150 144.9 117.2 175.8
115 63.0 49.8 74.6

Manual Integrations

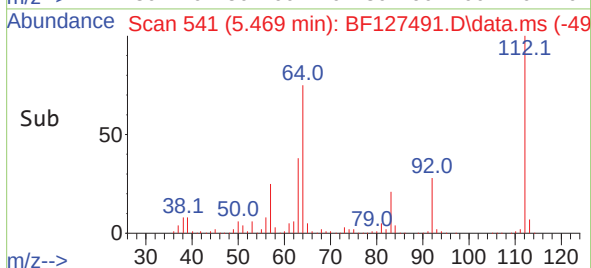
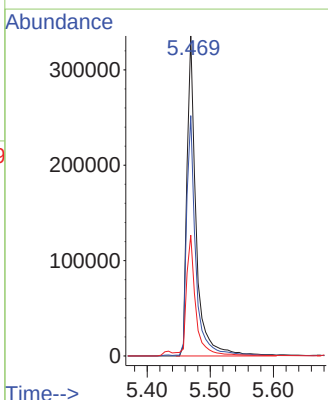
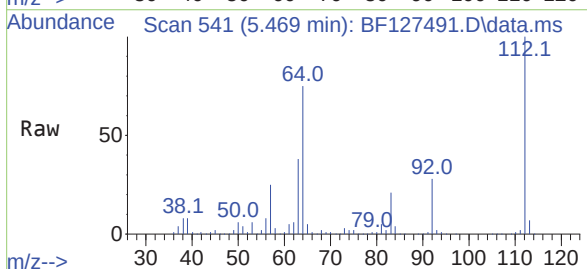
APPROVED

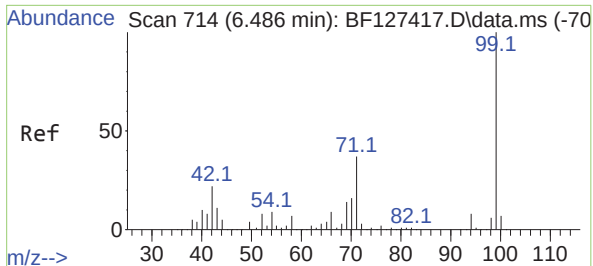
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#5
2-Fluorophenol
Concen: 50.854 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.000 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

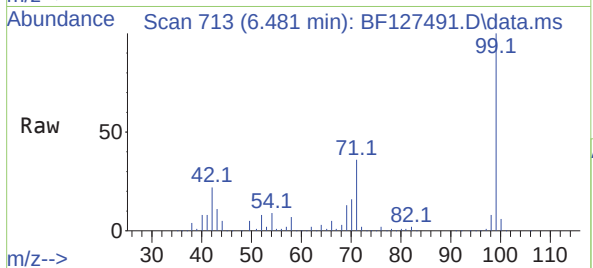
Tgt Ion:112 Resp: 340808
Ion Ratio Lower Upper
112 100
64 75.1 58.4 87.6
63 37.8 30.1 45.1





#7
Phenol-d6
Concen: 51.045 ng
RT: 6.481 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

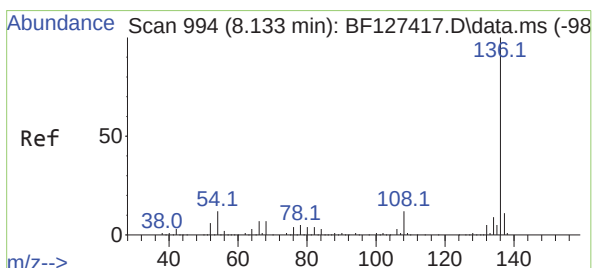
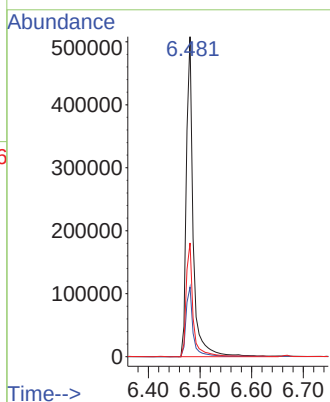
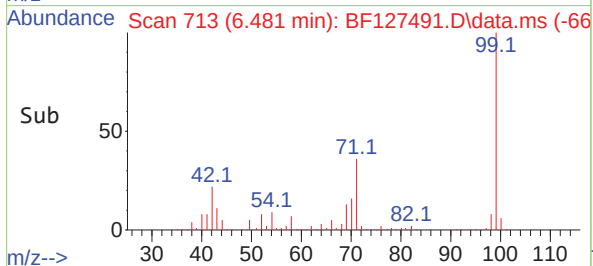
Instrument :
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ClientSampleId :
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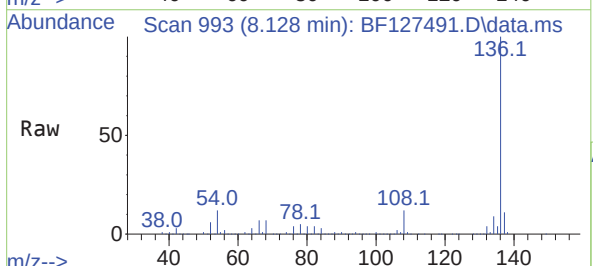
Tgt Ion: 99 Resp: 467608
Ion Ratio Lower Upper
99 100
42 21.7 17.8 26.6
71 35.6 29.6 44.4

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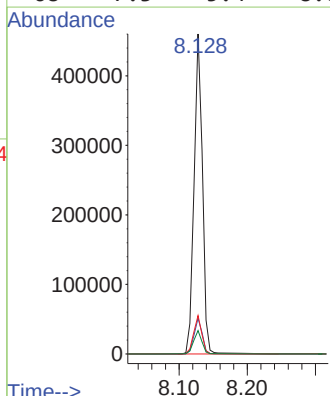
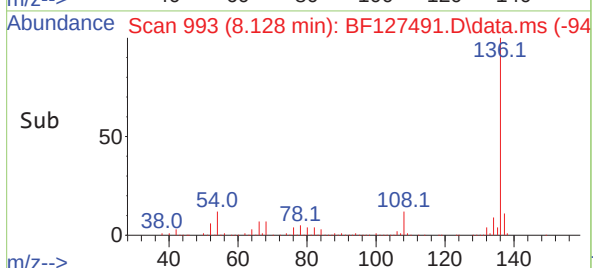
Reviewed By :Christian Giraldo 03/24/2022
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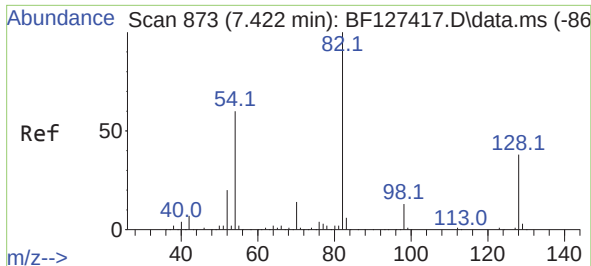


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16



Tgt Ion:136 Resp: 389523
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 12.0 9.2 13.8
68 7.3 5.4 8.0





#23

Nitrobenzene-d5

Concen: 31.579 ng

RT: 7.410 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127491.D

Acq: 23 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

C-23-25-28DL

Tgt Ion: 82 Resp: 287762

Ion Ratio Lower Upper

82 100

128 37.6 30.6 45.8

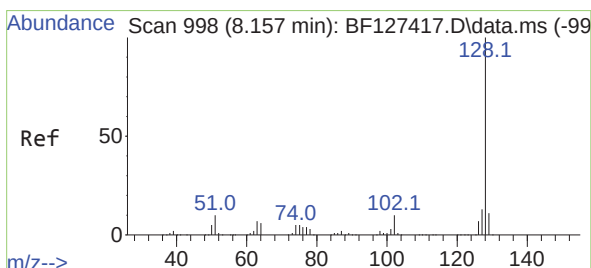
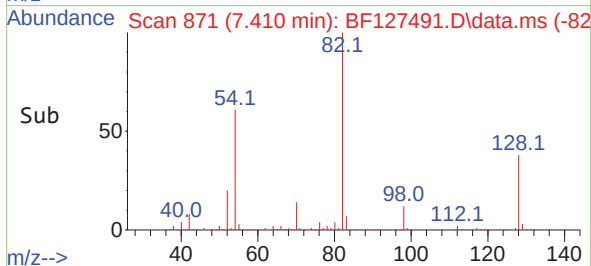
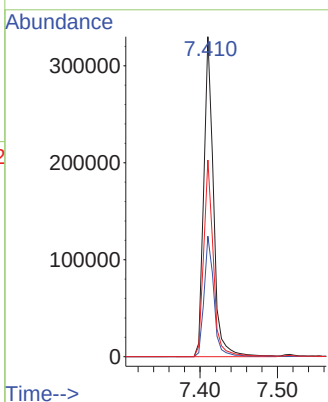
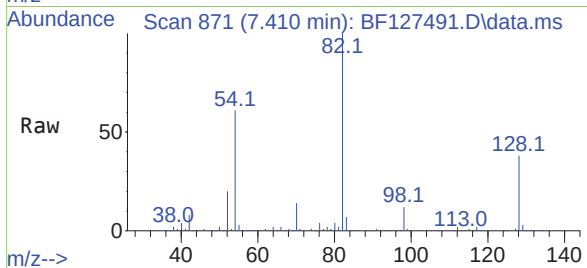
54 61.4 48.2 72.2

Manual Integrations

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#31

Naphthalene

Concen: 24.564 ng

RT: 8.151 min Scan# 997

Delta R.T. -0.006 min

Lab File: BF127491.D

Acq: 23 Mar 2022 20:16

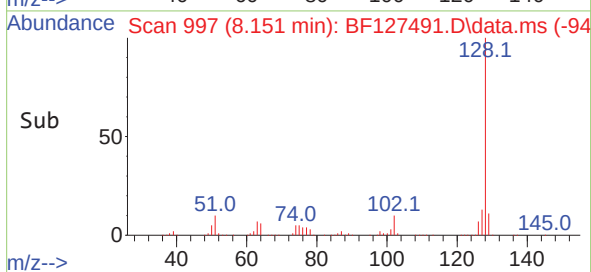
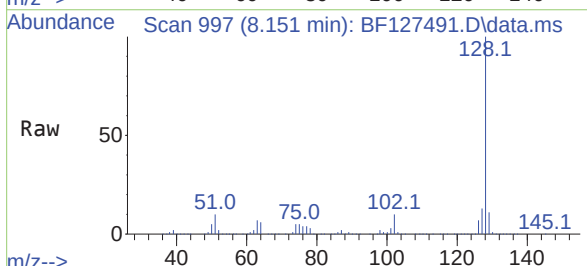
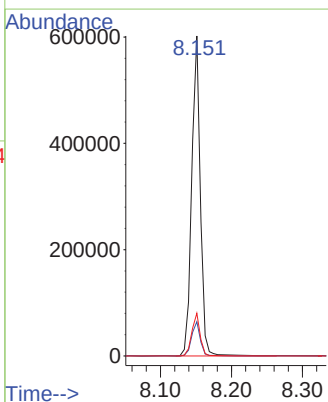
Tgt Ion:128 Resp: 507997

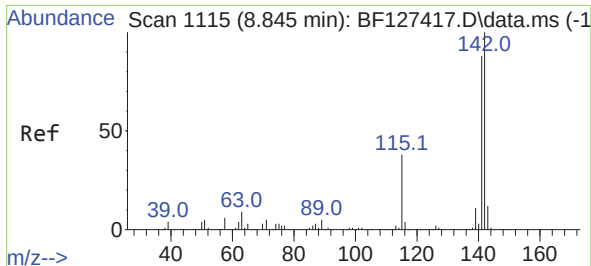
Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

127 13.4 10.2 15.2





#37

2-Methylnaphthalene

Concen: 4.936 ng

RT: 8.839 min Scan# 1114

Delta R.T. -0.006 min

Lab File: BF127491.D

Acq: 23 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

C-23-25-28DL

Tgt Ion:142 Resp: 65630

Ion Ratio Lower Upper

142 100

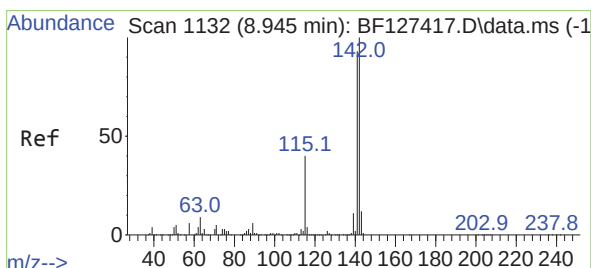
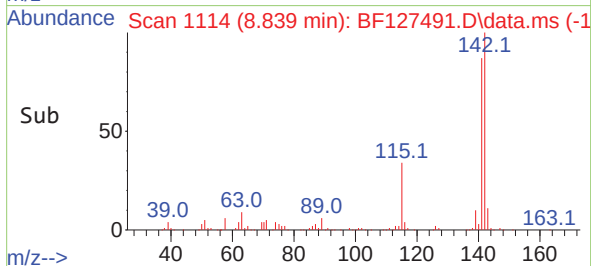
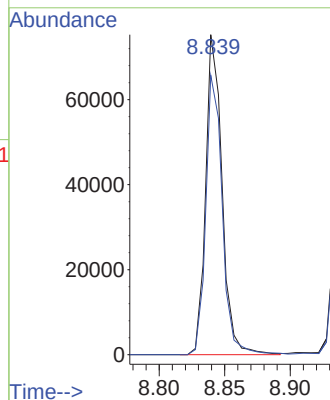
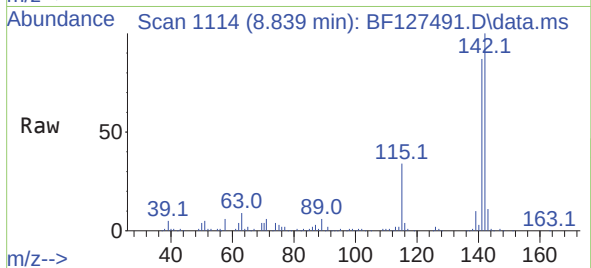
141 87.3 70.6 106.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/24/2022



#38

1-Methylnaphthalene

Concen: 4.100 ng

RT: 8.939 min Scan# 1131

Delta R.T. -0.006 min

Lab File: BF127491.D

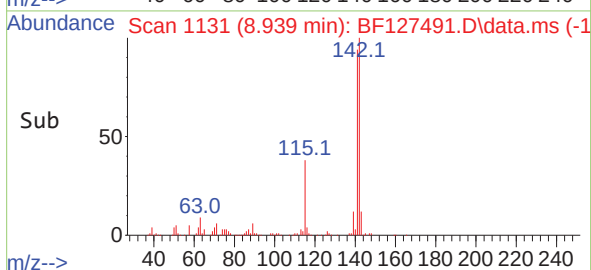
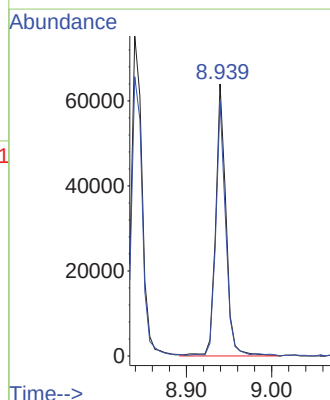
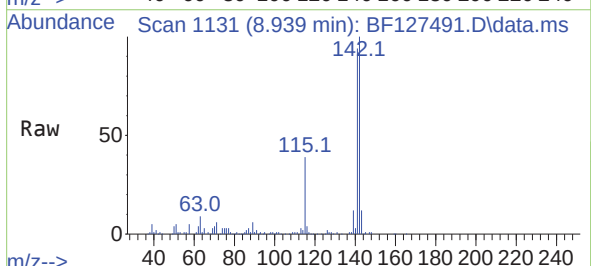
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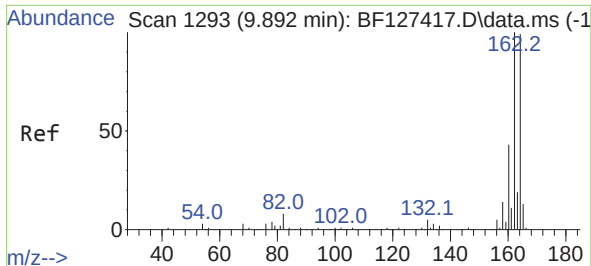
Tgt Ion:142 Resp: 53905

Ion Ratio Lower Upper

142 100

141 93.8 74.2 111.2





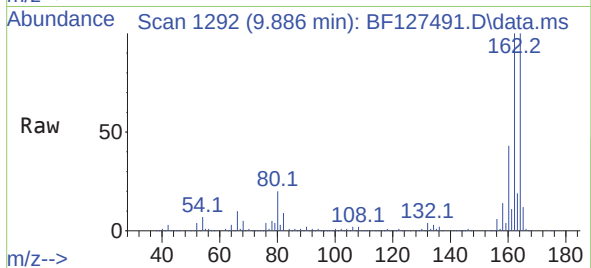
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

C-23-25-28DL

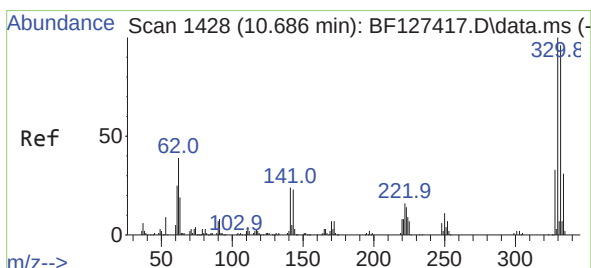
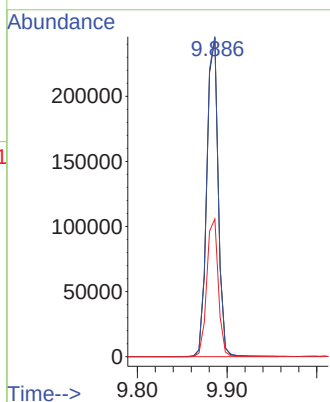
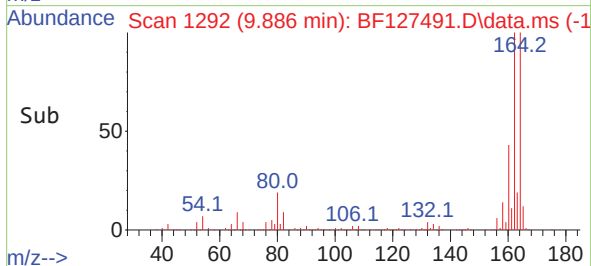


Tgt Ion:164 Resp: 21586
Ion Ratio Lower Upper
164 100
162 100.5 81.2 121.8
160 43.3 34.6 52.0

Manual Integrations

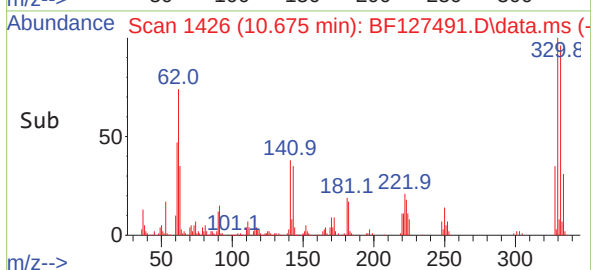
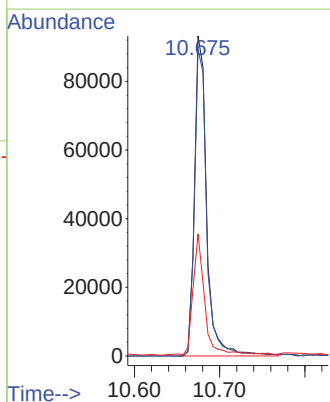
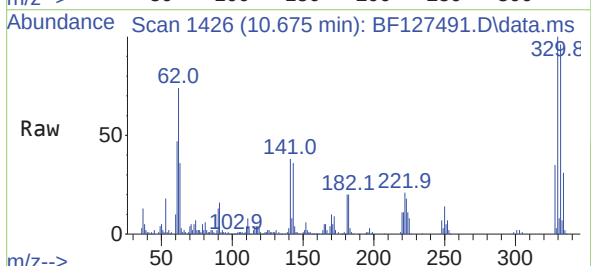
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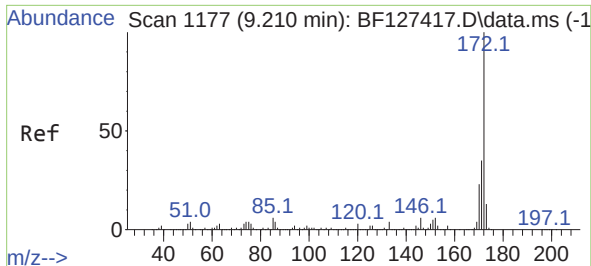
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#42
2,4,6-Tribromophenol
Concen: 40.168 ng
RT: 10.675 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Tgt Ion:330 Resp: 92365
Ion Ratio Lower Upper
330 100
332 97.1 79.1 118.7
141 36.9 26.2 39.4





#45
2-Fluorobiphenyl
Concen: 31.788 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

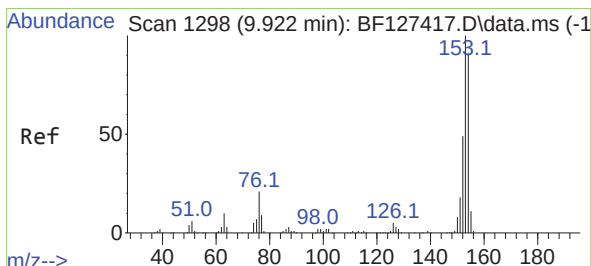
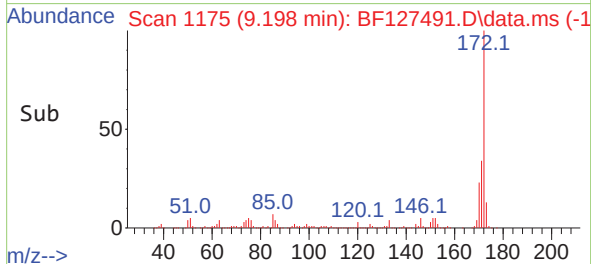
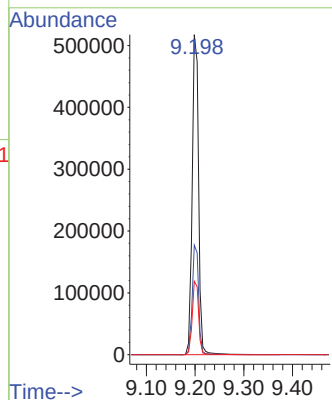
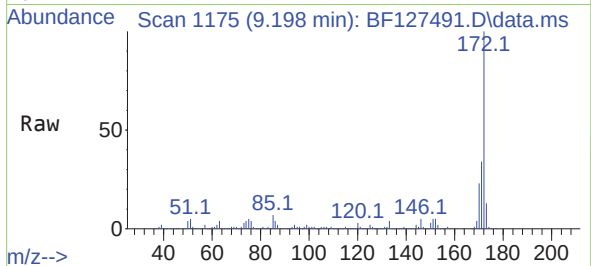
C-23-25-28DL

Tgt Ion:172 Resp: 469915
Ion Ratio Lower Upper
172 100
171 34.2 28.4 42.6
170 22.9 18.6 27.8

Manual Integrations

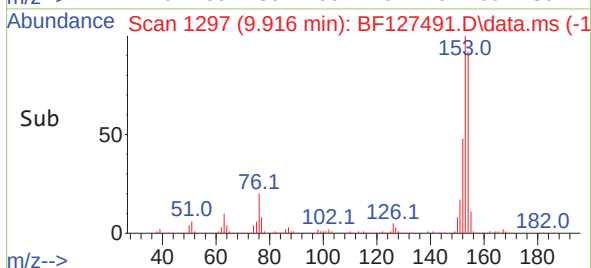
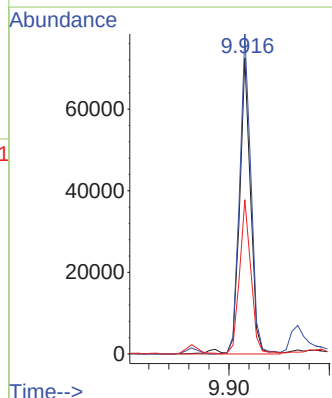
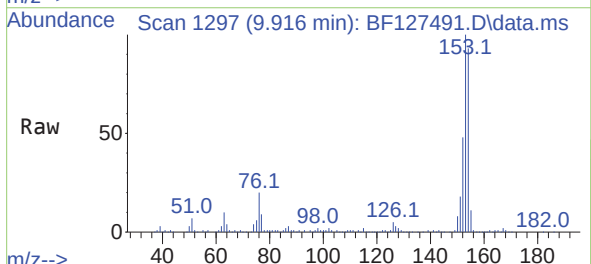
APPROVED

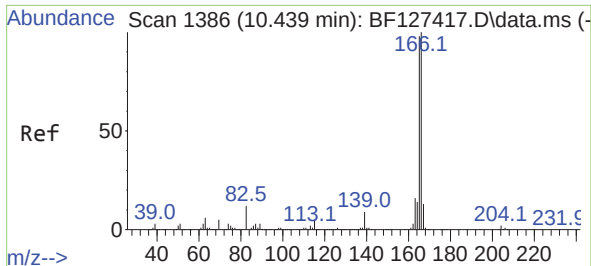
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#52
Acenaphthene
Concen: 4.940 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

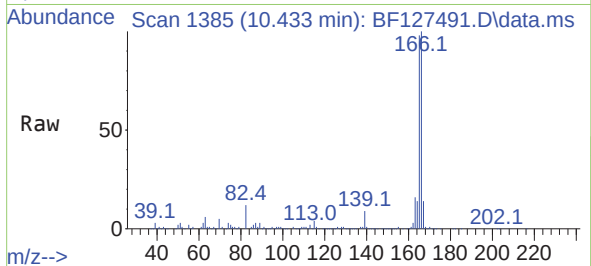
Tgt Ion:154 Resp: 55945
Ion Ratio Lower Upper
154 100
153 108.1 87.6 131.4
152 52.1 42.9 64.3





#58
Fluorene
Concen: 4.592 ng
RT: 10.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

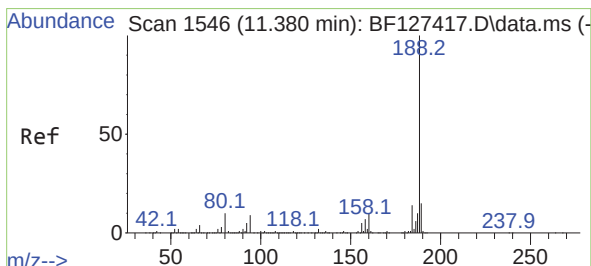
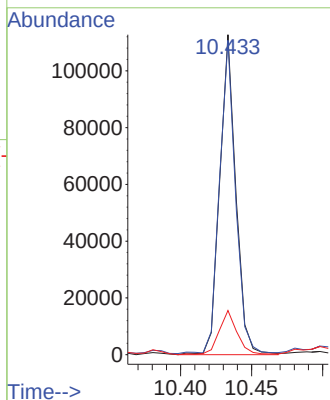
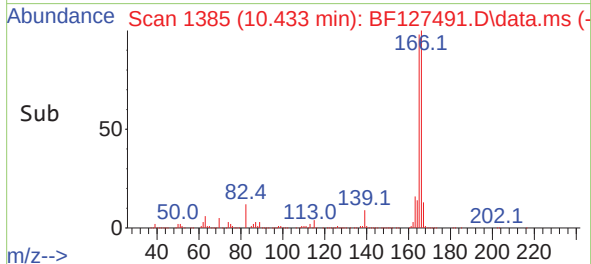
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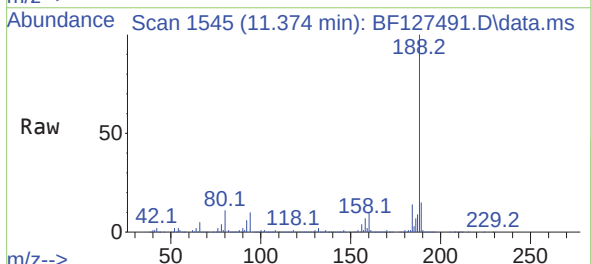
Tgt Ion:166 Resp: 8887
Ion Ratio Lower Upper
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167 13.8 10.5 15.7

Manual Integrations
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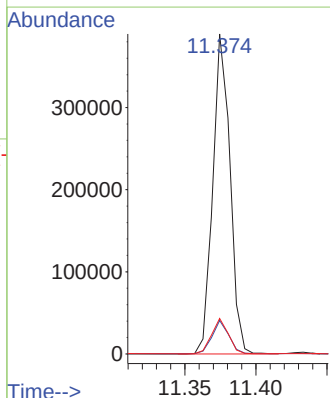
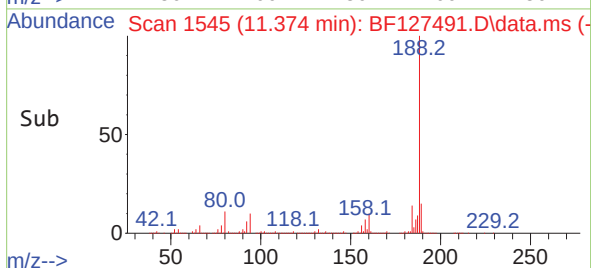
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

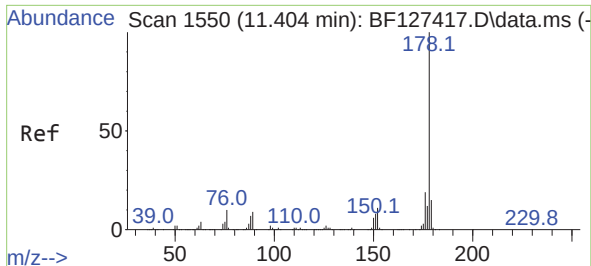


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16



Tgt Ion:188 Resp: 328807
Ion Ratio Lower Upper
188 100
94 10.4 7.4 11.0
80 11.1 8.0 12.0





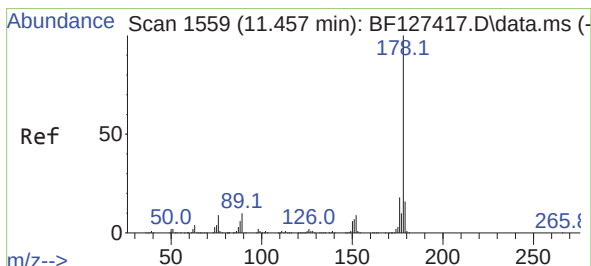
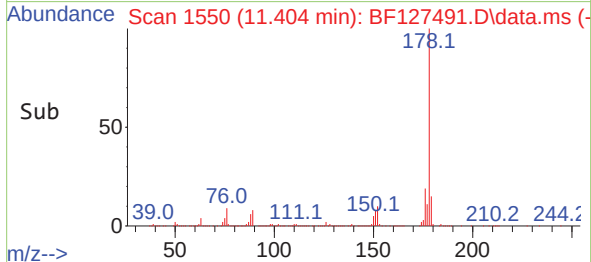
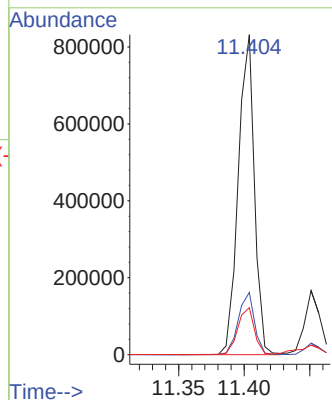
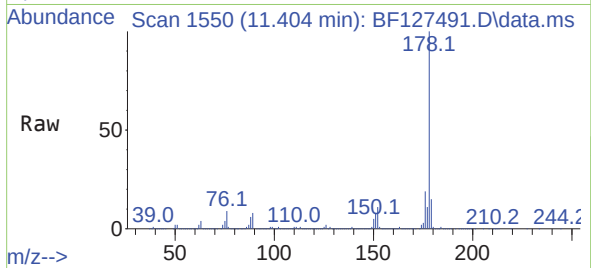
#71
Phenanthrene
Concen: 41.510 ng
RT: 11.404 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Instrument :
BNA_F
ClientSampleId :
C-23-25-28DL

Tgt Ion:178 Resp: 71156
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 14.7 12.4 18.6

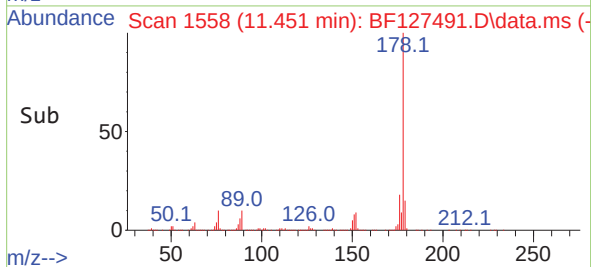
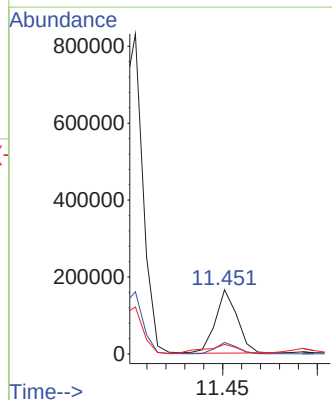
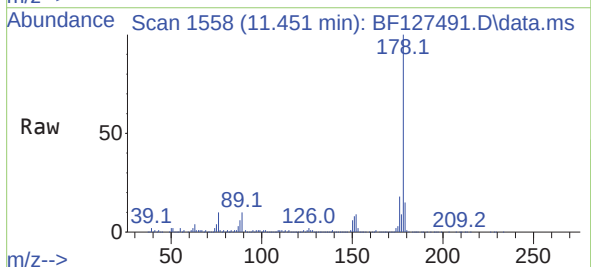
Manual Integrations
APPROVED

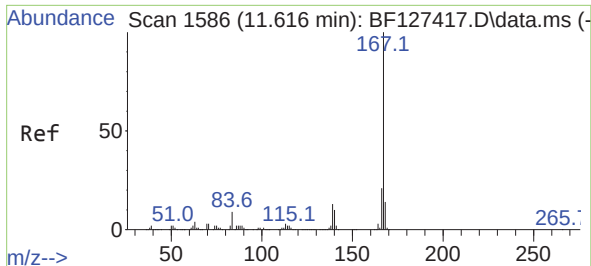
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#72
Anthracene
Concen: 7.799 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Tgt Ion:178 Resp: 132666
Ion Ratio Lower Upper
178 100
176 17.9 14.6 22.0
179 15.0 12.4 18.6





#73
 Carbazole
 Concen: 4.226 ng
 RT: 11.610 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127491.D
 Acq: 23 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

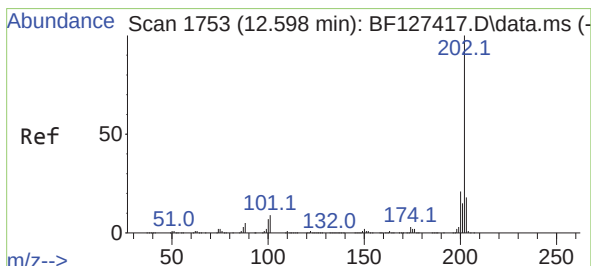
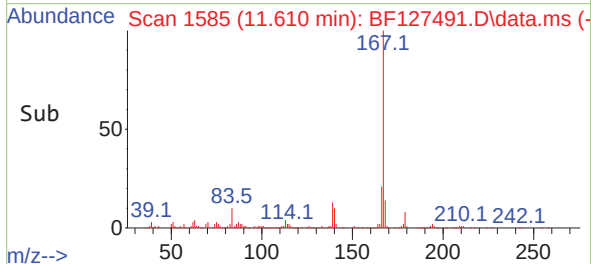
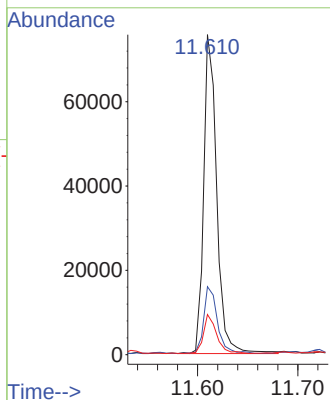
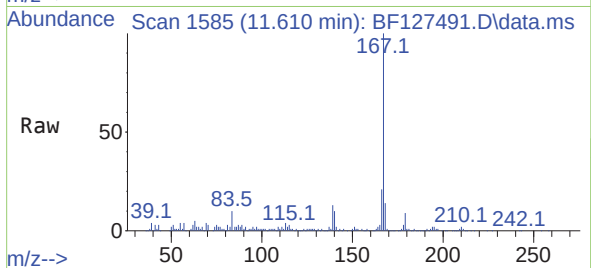
C-23-25-28DL

Tgt Ion:167 Resp: 6874
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.4
 139 12.5 10.5 15.7

Manual Integrations

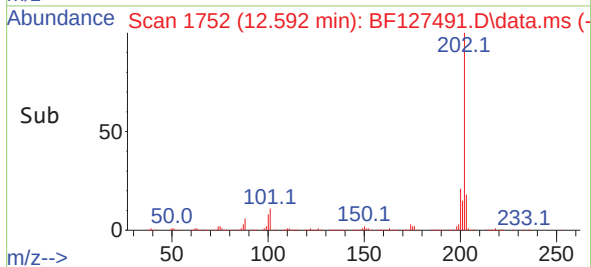
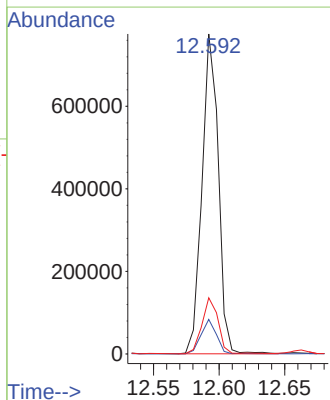
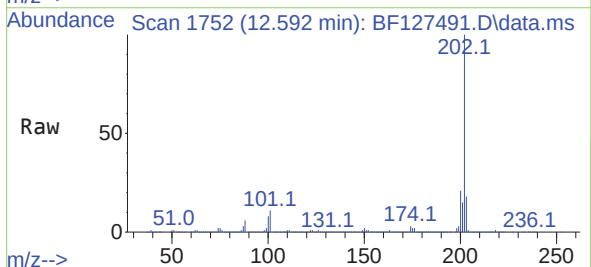
APPROVED

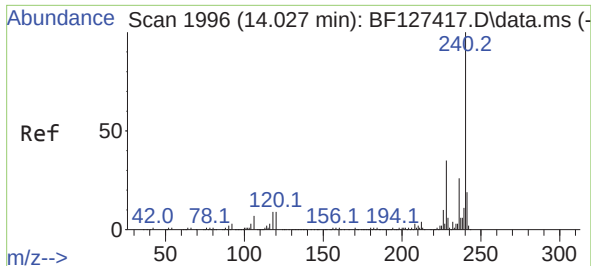
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#75
 Fluoranthene
 Concen: 35.745 ng
 RT: 12.592 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: BF127491.D
 Acq: 23 Mar 2022 20:16

Tgt Ion:202 Resp: 673953
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.0
 203 17.6 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

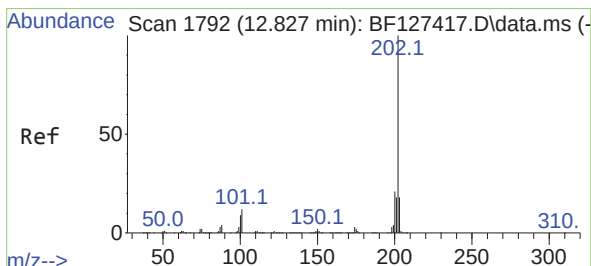
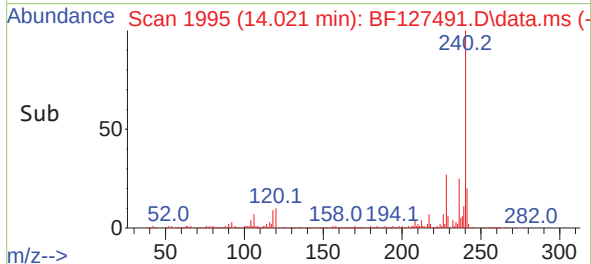
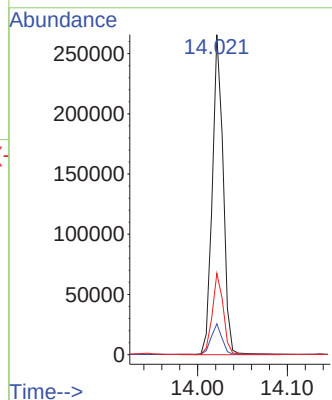
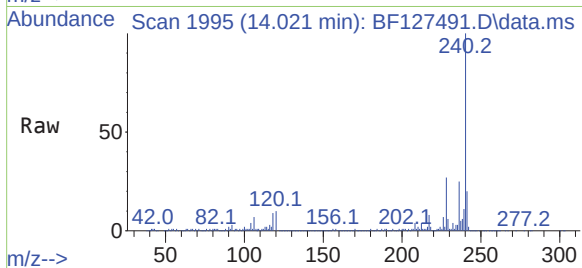
C-23-25-28DL

Tgt Ion:240 Resp: 22368
Ion Ratio Lower Upper
240 100
120 9.6 7.1 10.7
236 25.4 20.7 31.1

Manual Integrations

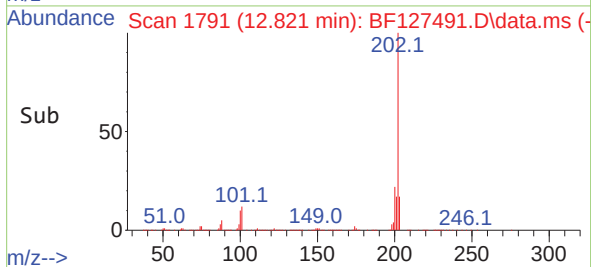
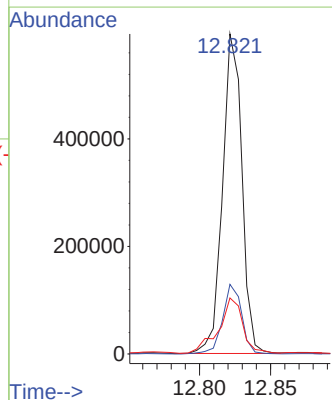
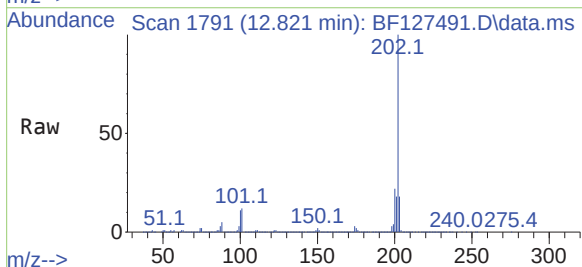
APPROVED

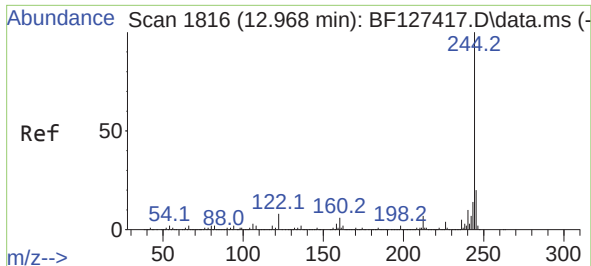
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#78
Pyrene
Concen: 29.354 ng
RT: 12.821 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Tgt Ion:202 Resp: 563499
Ion Ratio Lower Upper
202 100
200 21.8 17.1 25.7
203 17.5 14.3 21.5





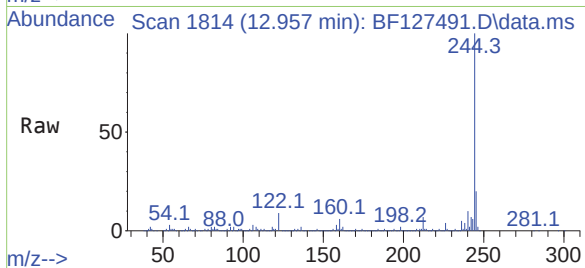
#79
Terphenyl-d14
Concen: 23.643 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

C-23-25-28DL

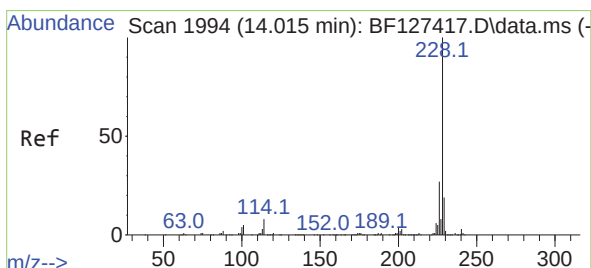
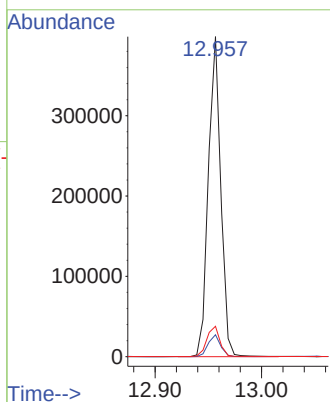
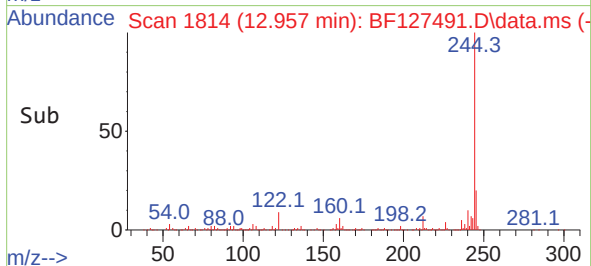


Tgt Ion:244 Resp: 323058
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 9.5 6.2 9.2

Manual Integrations

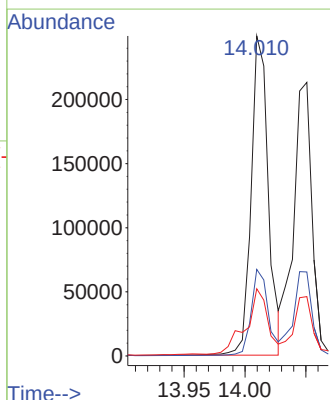
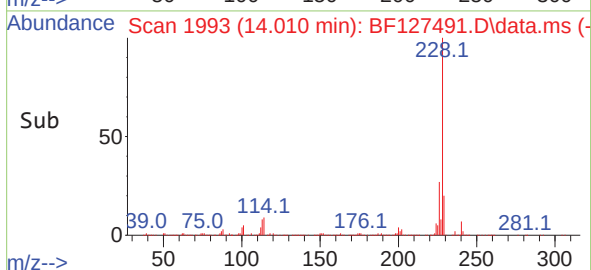
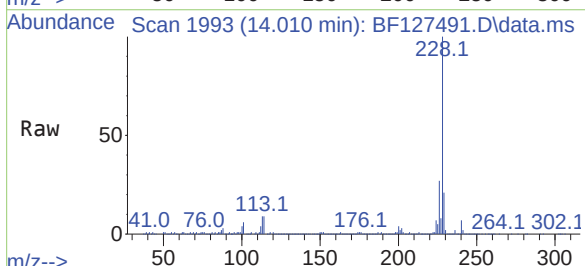
APPROVED

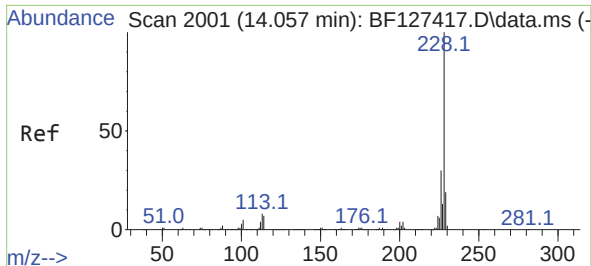
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#81
Benzo(a)anthracene
Concen: 16.311 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Tgt Ion:228 Resp: 243995
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 21.0 15.4 23.2





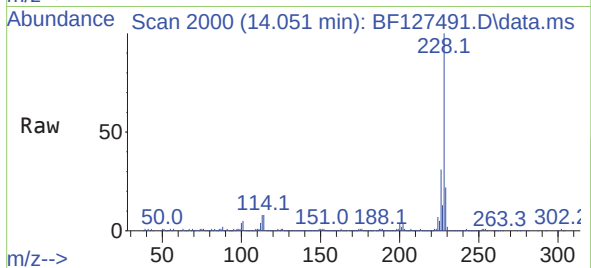
#83
Chrysene
Concen: 15.978 ng
RT: 14.051 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

C-23-25-28DL

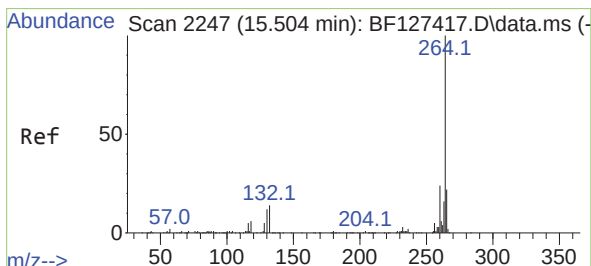
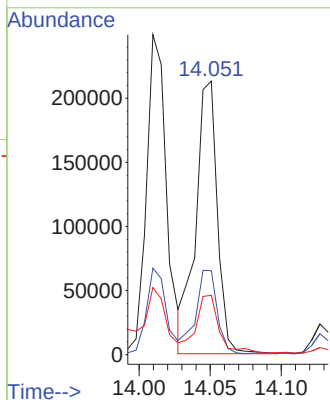
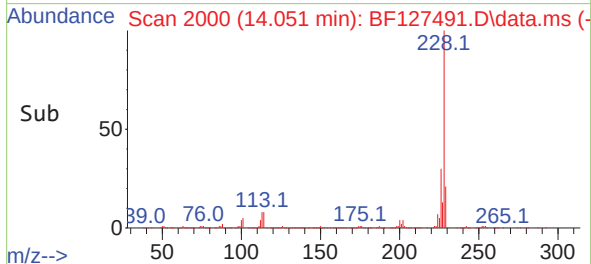


Tgt Ion:228 Resp: 226333
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.4
229 21.7 15.4 23.2

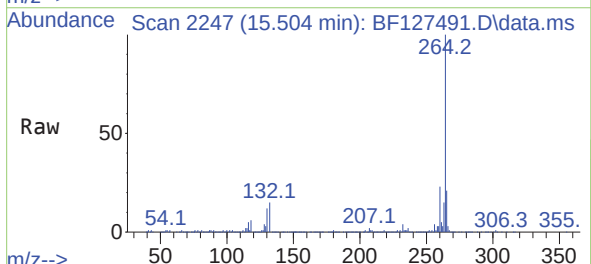
Manual Integrations

APPROVED

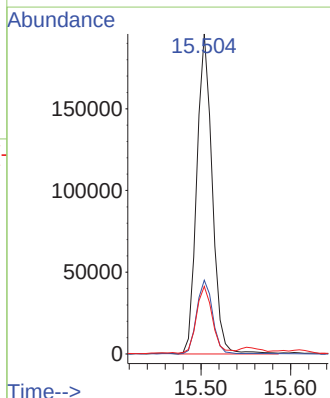
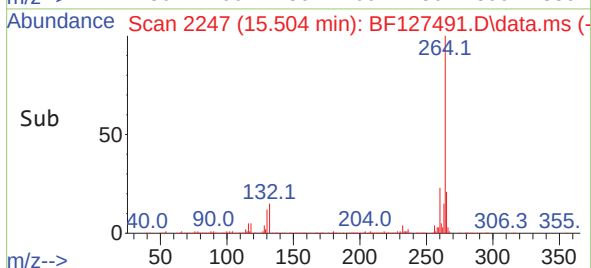
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

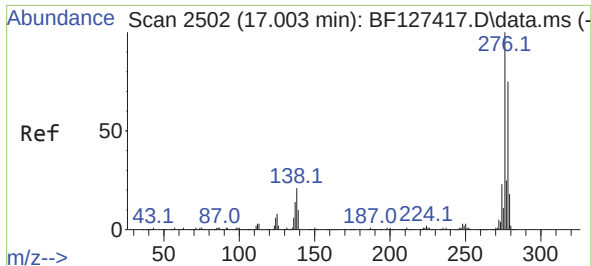


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2247
Delta R.T. 0.000 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16



Tgt Ion:264 Resp: 233934
Ion Ratio Lower Upper
264 100
260 23.1 19.1 28.7
265 21.1 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.887 ng
RT: 17.004 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

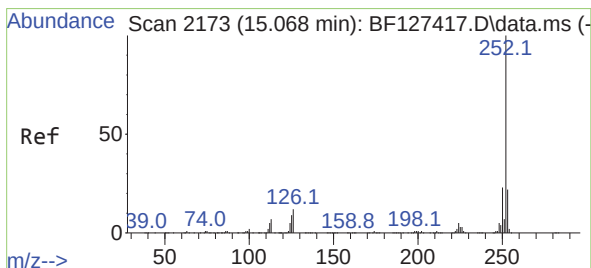
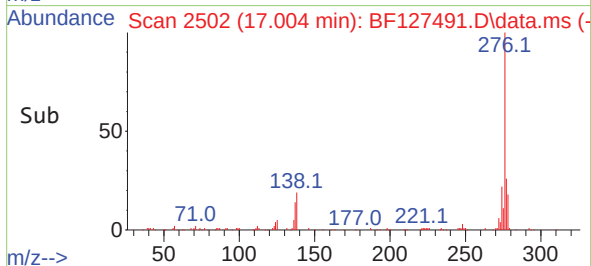
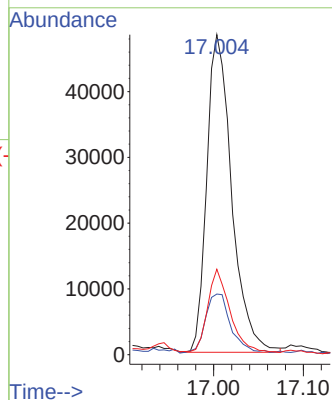
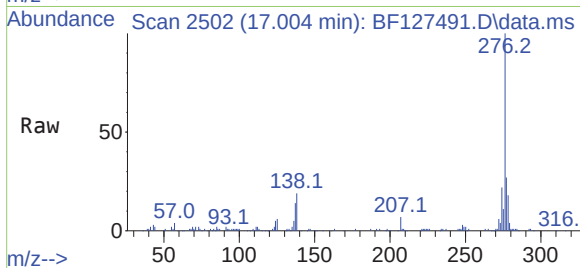
C-23-25-28DL

Tgt Ion:276 Resp: 93192
Ion Ratio Lower Upper
276 100
138 19.7 17.1 25.7
277 24.4 19.9 29.9

Manual Integrations

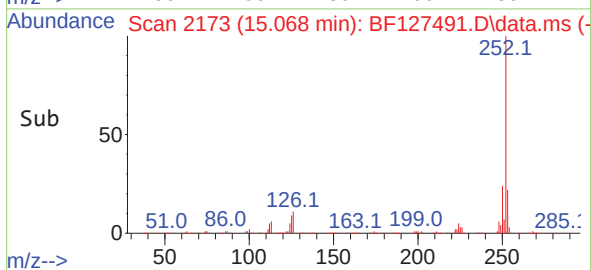
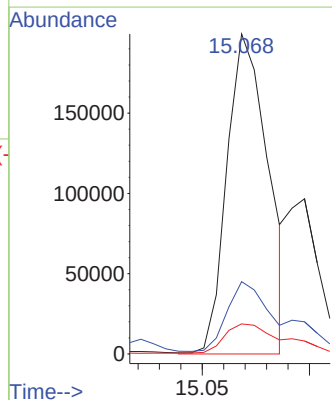
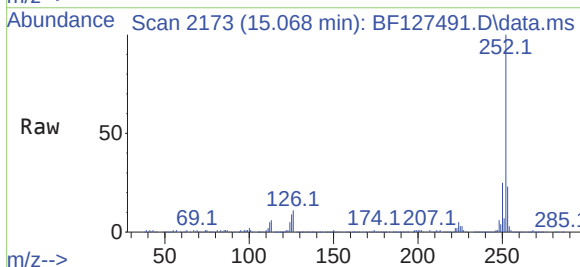
APPROVED

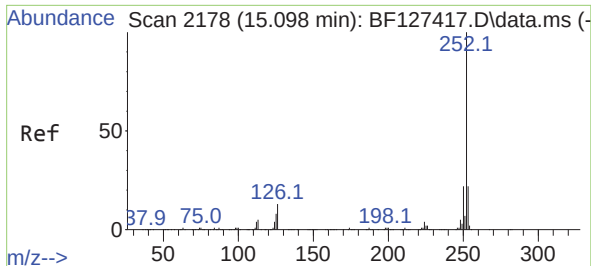
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#88
Benzo(b)fluoranthene
Concen: 18.067 ng m
RT: 15.068 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Tgt Ion:252 Resp: 266491
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 9.4 7.0 10.4





#89
Benzo(k)fluoranthene
Concen: 6.450 ng m
RT: 15.098 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

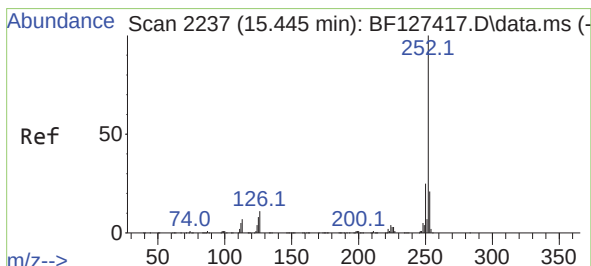
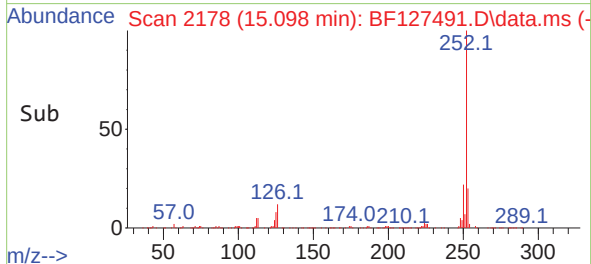
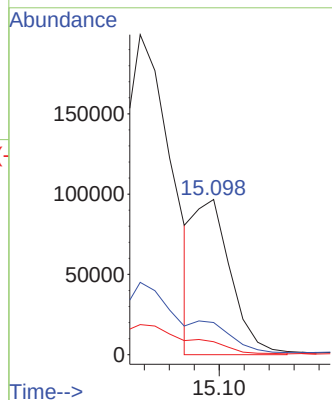
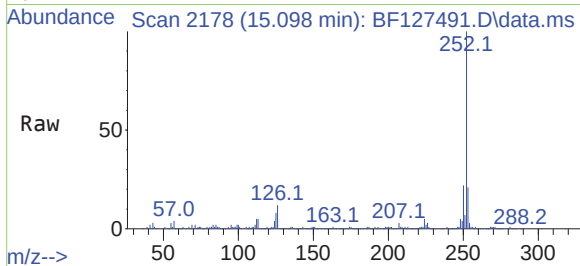
C-23-25-28DL

Tgt Ion:252 Resp: 9863
Ion Ratio Lower Upper
252 100
253 20.7 17.3 25.9
125 8.3 6.9 10.3

Manual Integrations

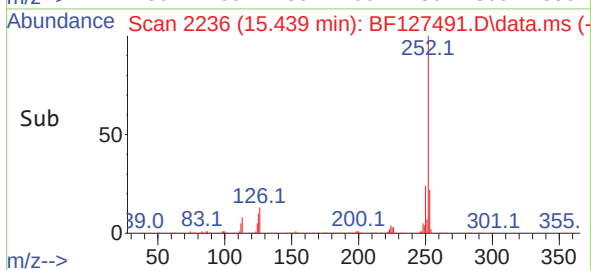
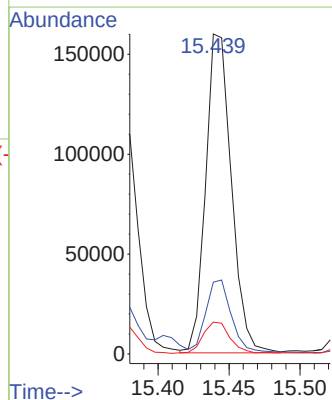
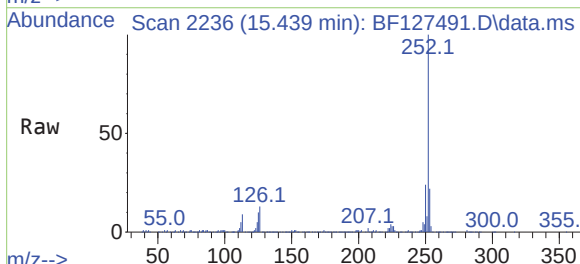
APPROVED

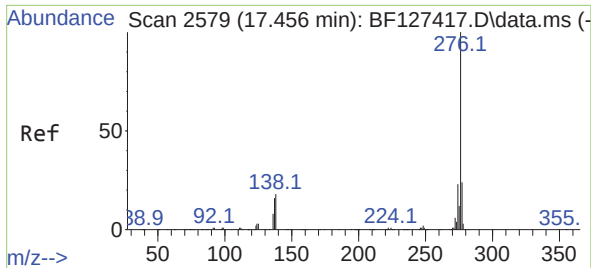
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#90
Benzo(a)pyrene
Concen: 16.643 ng
RT: 15.439 min Scan# 2236
Delta R.T. -0.006 min
Lab File: BF127491.D
Acq: 23 Mar 2022 20:16

Tgt Ion:252 Resp: 201467
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 9.9 6.7 10.1





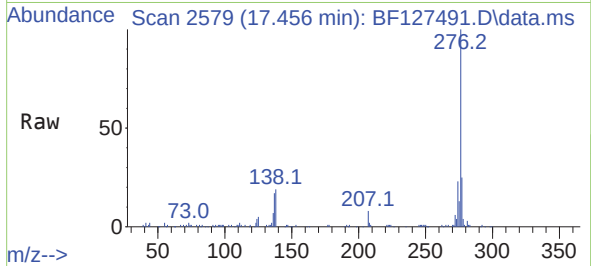
#92
 Benzo(g,h,i)perylene
 Concen: 6.416 ng
 RT: 17.456 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF127491.D
 Acq: 23 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

C-23-25-28DL



Tgt Ion:276	Resp:	86668
Ion Ratio	Lower	Upper
276	100	
277	24.9	19.0 28.4
138	19.2	14.6 22.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022

