

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032322\
 Data File : BF127490.D
 Acq On : 23 Mar 2022 19:47
 Operator : CG\JU
 Sample : N1958-15DL 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-15-14-15DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 24 02:13:22 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	108102	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	390027	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	219246	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	343208	20.000	ng	0.00
76) Chrysene-d12	14.021	240	217118	20.000	ng	0.00
86) Perylene-d12	15.504	264	228448	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	268018	39.575	ng	0.00
7) Phenol-d6	6.481	99	364278	39.350	ng	0.00
23) Nitrobenzene-d5	7.410	82	230491	25.261	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	71329	30.541	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	396743	26.424	ng	-0.01
79) Terphenyl-d14	12.957	244	301366	22.722	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.151	128	166599	8.045	ng	100
37) 2-Methylnaphthalene	8.845	142	45431	3.412	ng	95
38) 1-Methylnaphthalene	8.939	142	45368	3.446	ng	98
52) Acenaphthene	9.916	154	56988	4.955	ng	98
55) Dibenzofuran	10.092	168	90147	2.288	ng	98
58) Fluorene	10.433	166	143587	8.822	ng	98
71) Phenanthrene	11.404	178	806159	45.055	ng	100
72) Anthracene	11.451	178	197925	11.147	ng	99
73) Carbazole	11.610	167	69749	4.108	ng	99
75) Fluoranthene	12.592	202	603225	30.651	ng	98
78) Pyrene	12.821	202	504765	27.089	ng	100
81) Benzo(a)anthracene	14.010	228	225076	15.501	ng	98
83) Chrysene	14.051	228	197599	14.372	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	69701	4.509	ng	99
88) Benzo(b)fluoranthene	15.068	252	199840m	13.874	ng	
89) Benzo(k)fluoranthene	15.098	252	81694m	5.471	ng	
90) Benzo(a)pyrene	15.439	252	163450	13.827	ng	# 97
92) Benzo(g,h,i)perylene	17.462	276	59052	4.477	ng	96

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

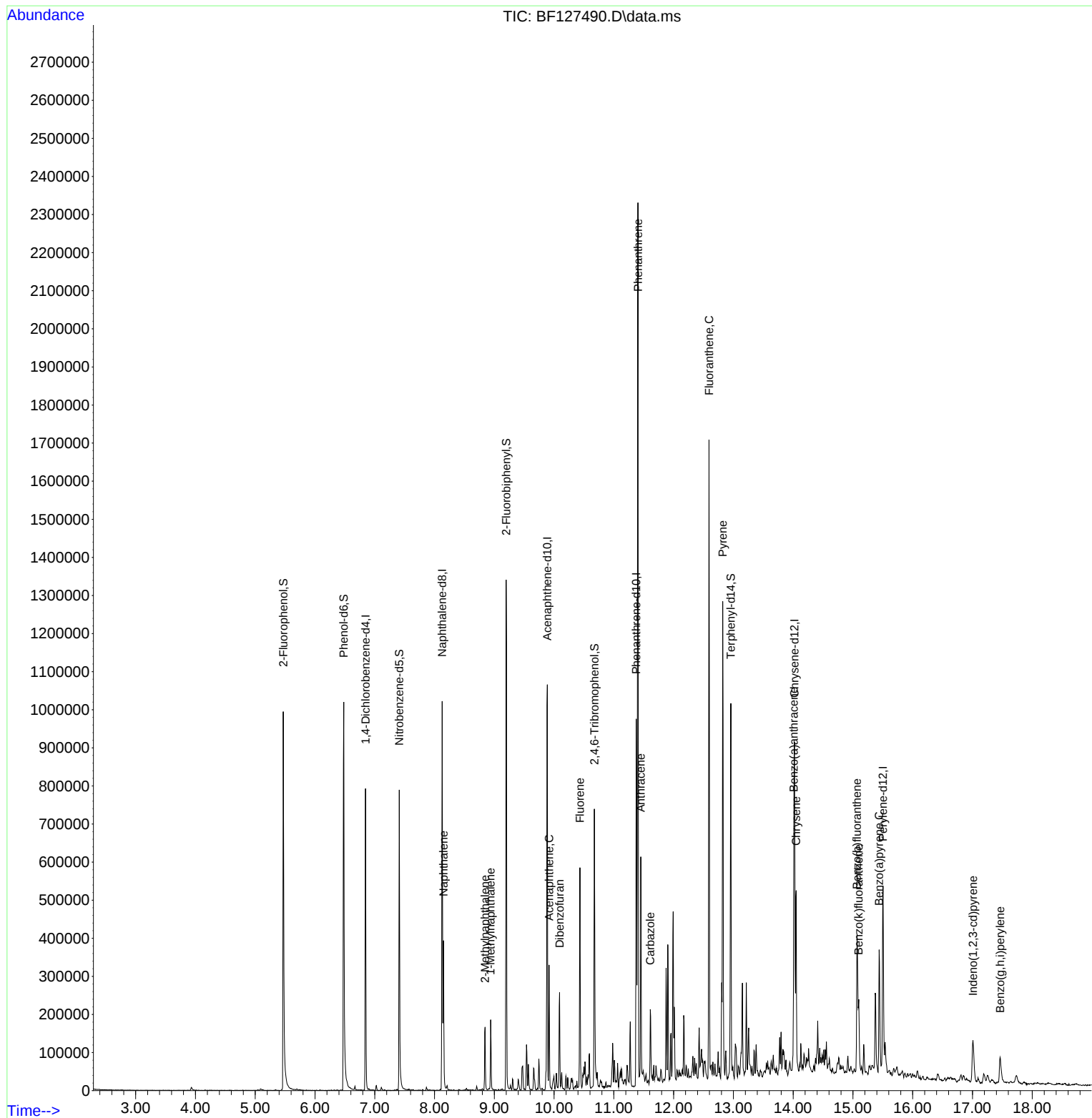
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032322\
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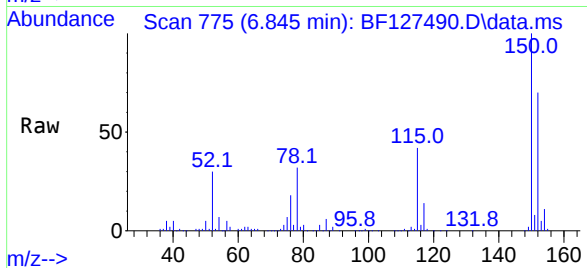
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL

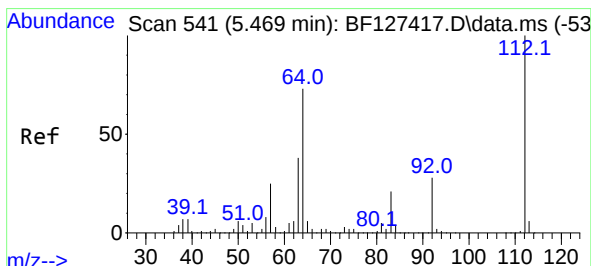
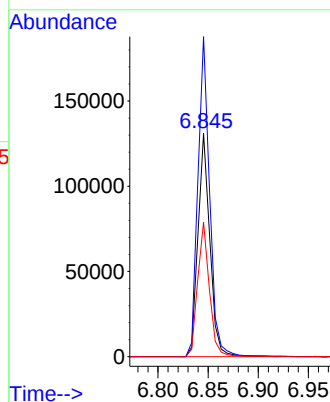
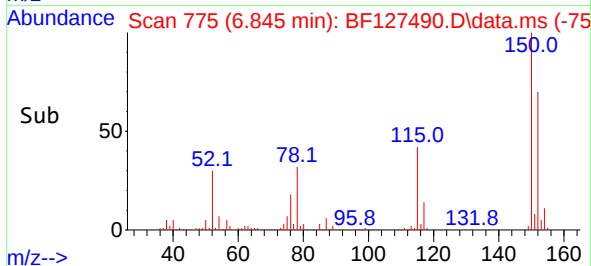


Tgt Ion:152 Resp: 10810
Ion Ratio Lower Upper
152 100
150 143.2 117.2 175.8
115 60.3 49.8 74.6

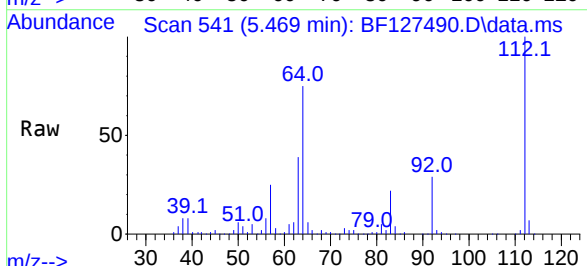
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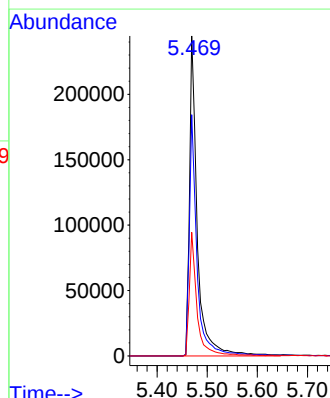
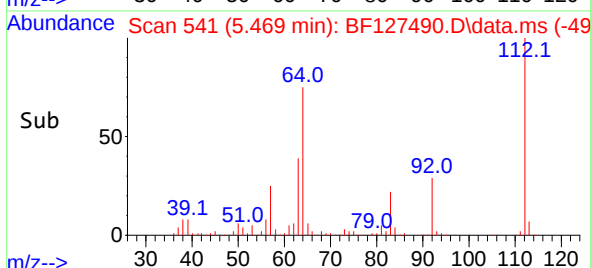
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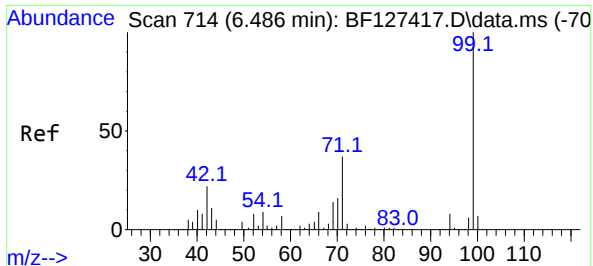


#5
2-Fluorophenol
Concen: 39.575 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.000 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47



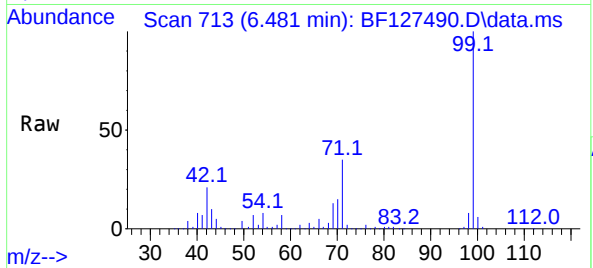
Tgt Ion:112 Resp: 268018
Ion Ratio Lower Upper
112 100
64 75.4 58.4 87.6
63 38.6 30.1 45.1





#7
Phenol-d6
Concen: 39.350 ng
RT: 6.481 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

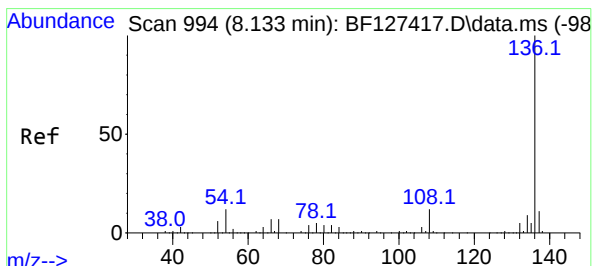
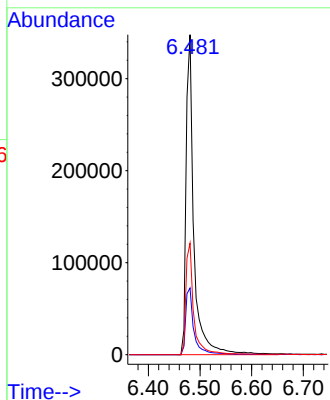
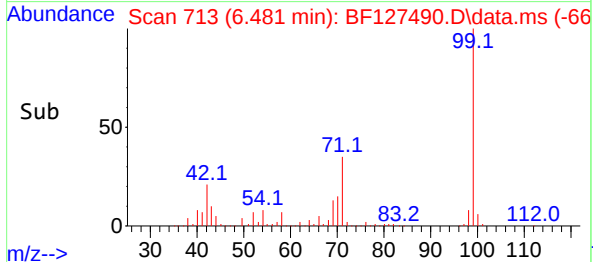
Instrument :
BNA_F
ClientSampleId :
C-15-14-15DL



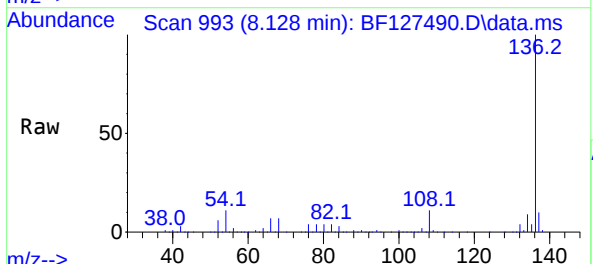
Tgt Ion: 99 Resp: 364278
Ion Ratio Lower Upper
99 100
42 20.9 17.8 26.6
71 34.9 29.6 44.4

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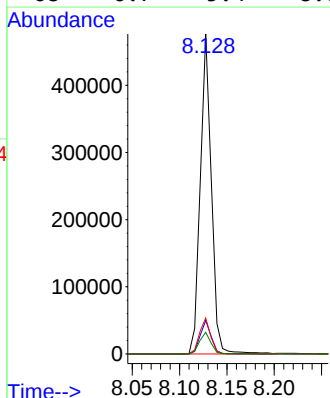
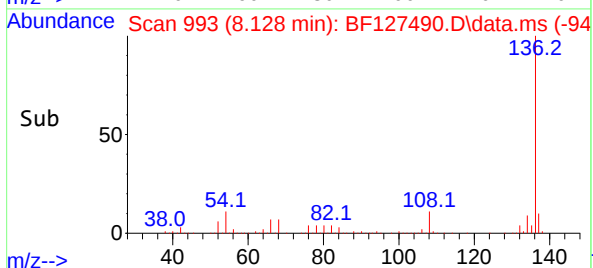
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

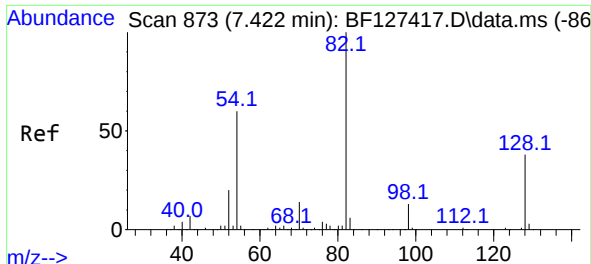


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47



Tgt Ion:136 Resp: 390027
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 11.2 9.2 13.8
68 6.7 5.4 8.0





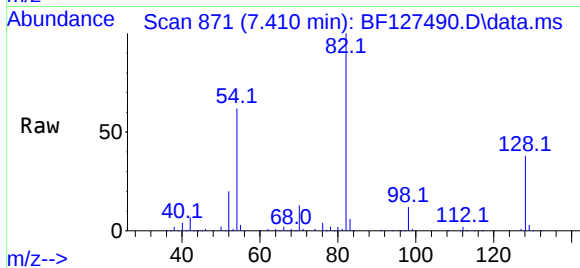
#23
Nitrobenzene-d5
Concen: 25.261 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL

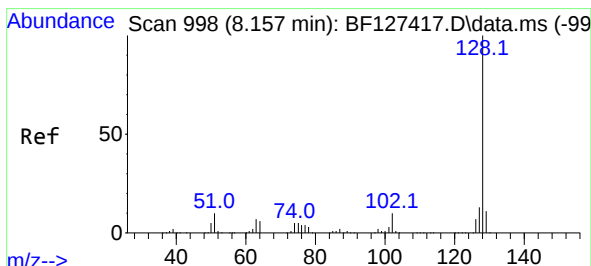
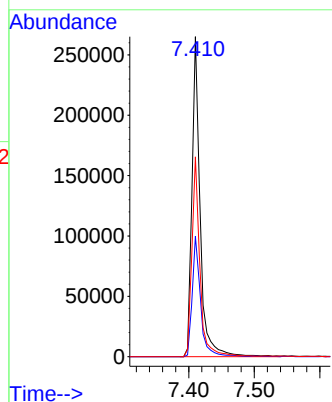
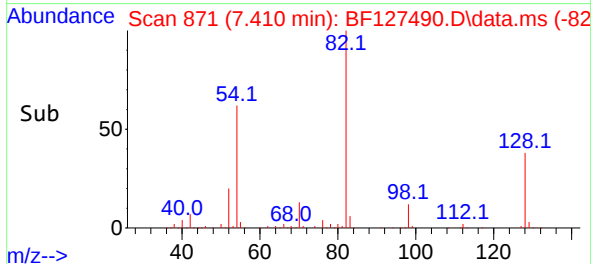


Tgt Ion: 82 Resp: 23049
Ion Ratio Lower Upper
82 100
128 37.7 30.6 45.8
54 62.4 48.2 72.2

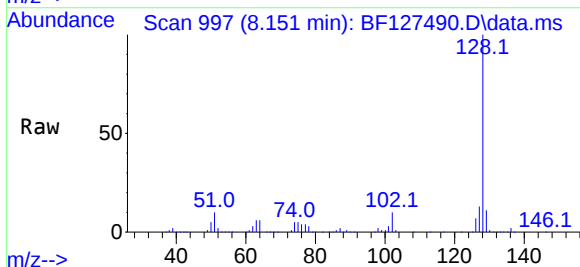
Manual Integrations

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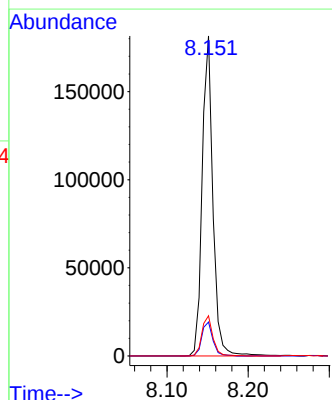
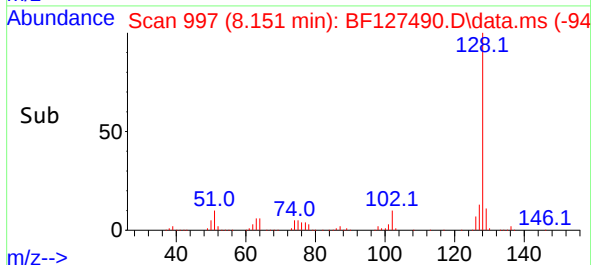
Reviewed By :Christian Giraldo 03/24/2022
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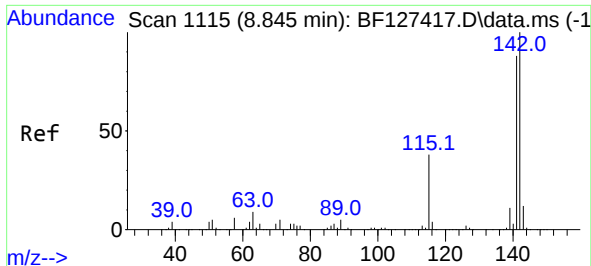


#31
Naphthalene
Concen: 8.045 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47



Tgt Ion:128 Resp: 166599
Ion Ratio Lower Upper
128 100
129 10.6 8.4 12.6
127 12.6 10.2 15.2





#37

2-Methylnaphthalene

Concen: 3.412 ng

RT: 8.845 min Scan# 1115

Delta R.T. 0.000 min

Lab File: BF127490.D

Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL

Tgt Ion:142 Resp: 4543

Ion Ratio Lower Upper

142 100

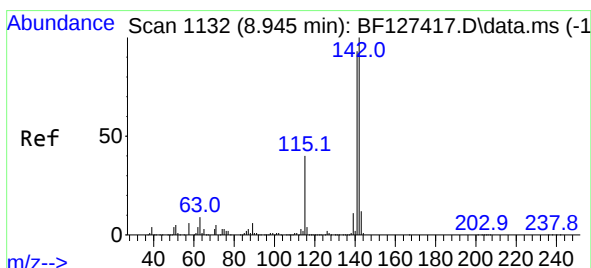
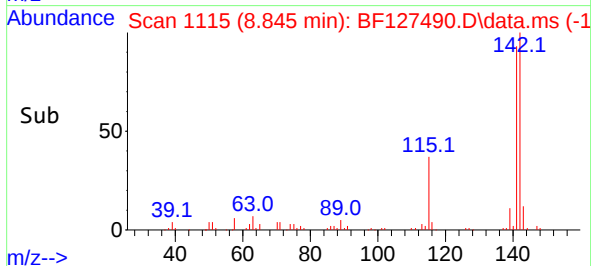
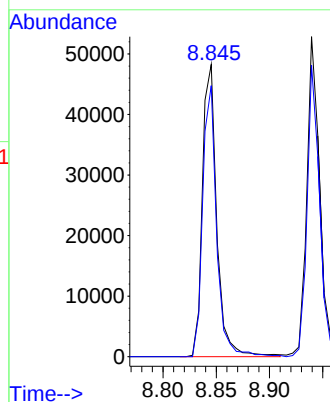
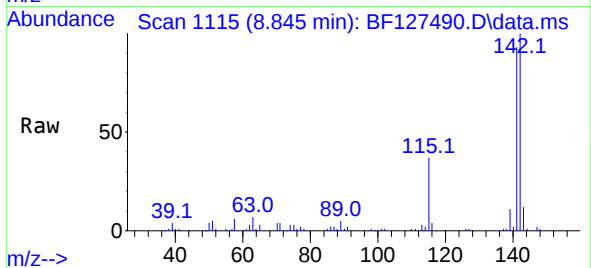
141 92.8 70.6 106.0

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 3.446 ng

RT: 8.939 min Scan# 1131

Delta R.T. -0.006 min

Lab File: BF127490.D

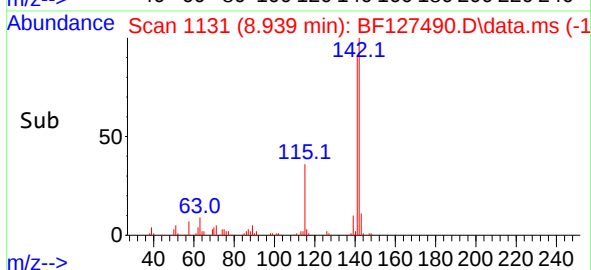
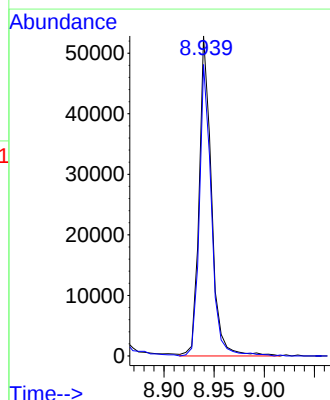
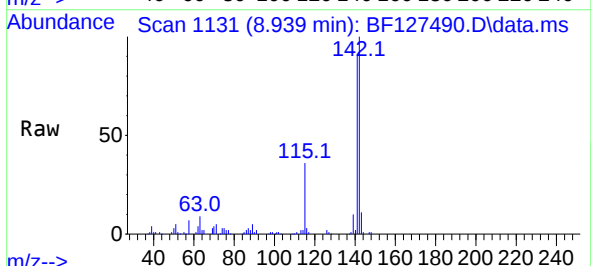
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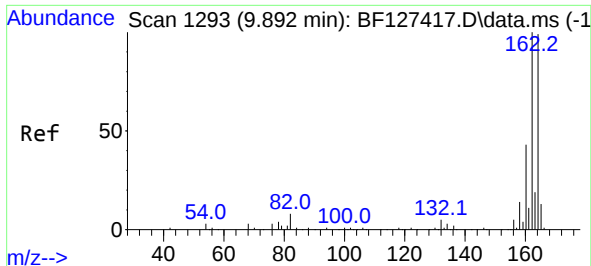
Tgt Ion:142 Resp: 45368

Ion Ratio Lower Upper

142 100

141 91.1 74.2 111.2





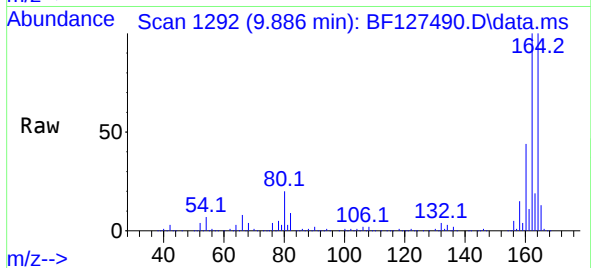
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL

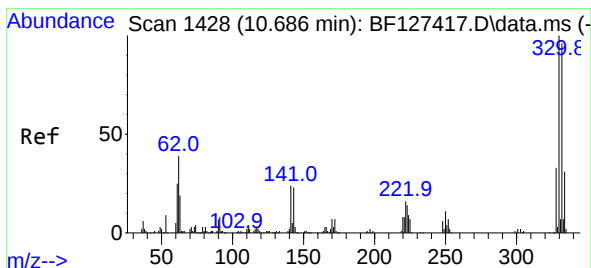
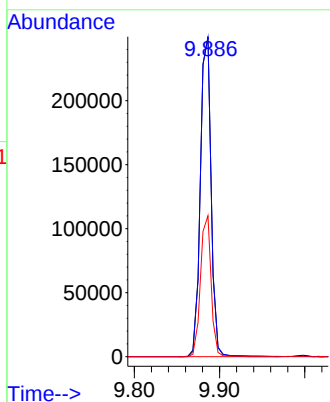
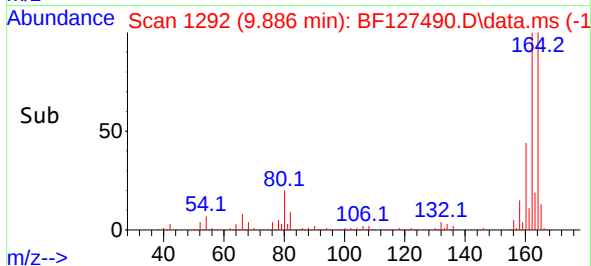


Tgt Ion:164 Resp: 219240
Ion Ratio Lower Upper
164 100
162 99.7 81.2 121.8
160 44.1 34.6 52.0

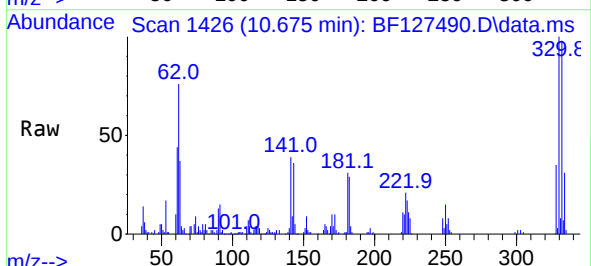
Manual Integrations

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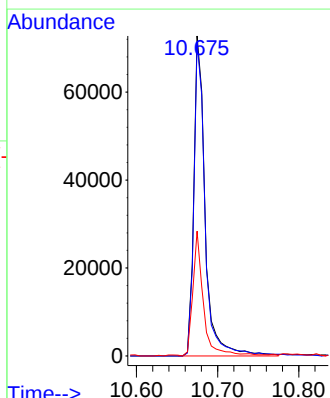
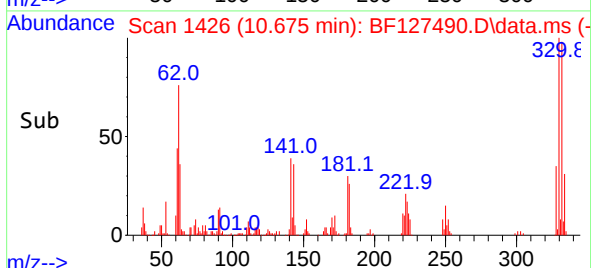
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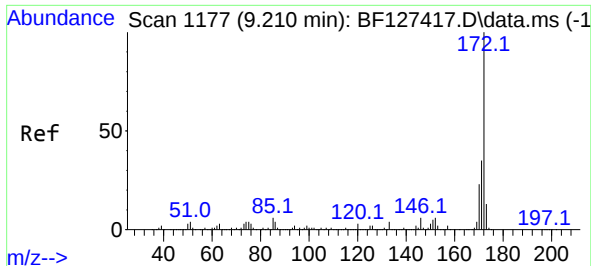


#42
2,4,6-Tribromophenol
Concen: 30.541 ng
RT: 10.675 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47



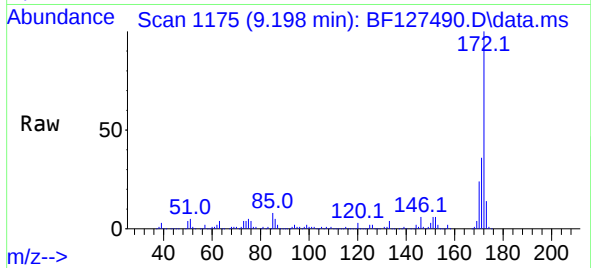
Tgt Ion:330 Resp: 71329
Ion Ratio Lower Upper
330 100
332 97.9 79.1 118.7
141 36.5 26.2 39.4





#45
2-Fluorobiphenyl
Concen: 26.424 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

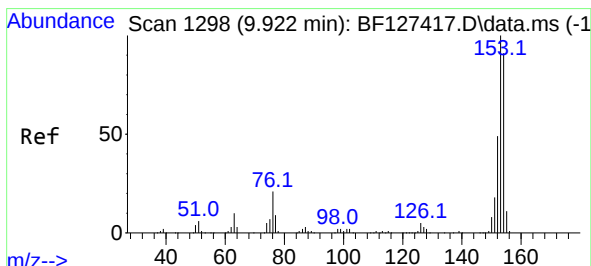
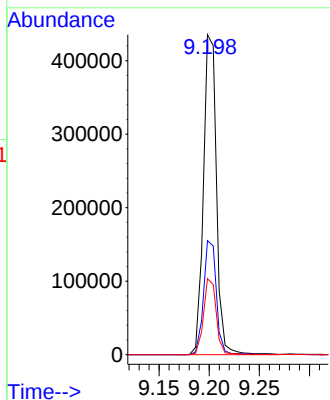
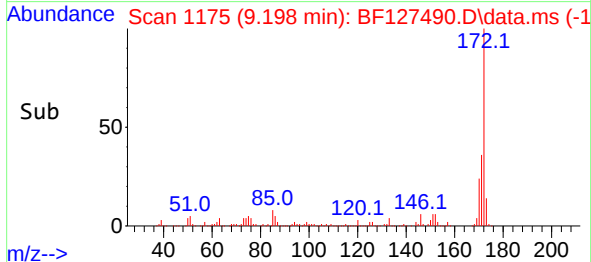
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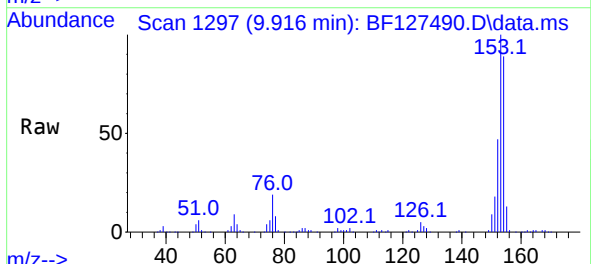
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Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.8 18.6 27.8

Manual Integrations
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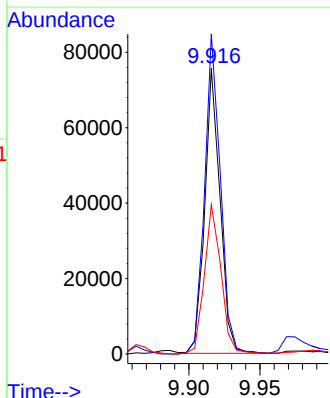
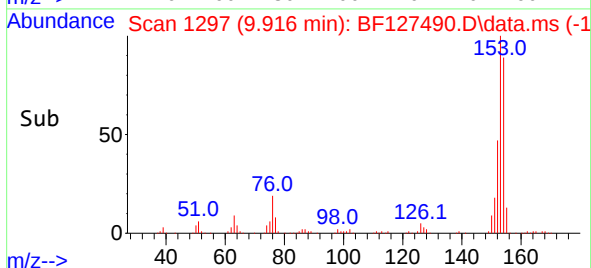
Reviewed By :Christian Giraldo 03/24/2022
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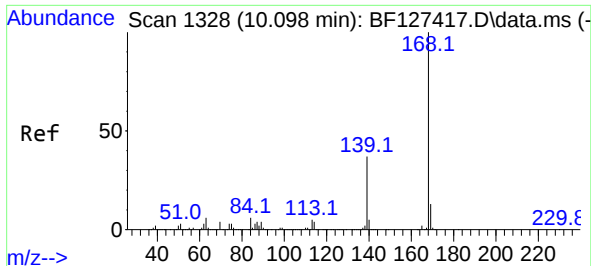


#52
Acenaphthene
Concen: 4.955 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47



Tgt Ion:154 Resp: 56988
Ion Ratio Lower Upper
154 100
153 112.0 87.6 131.4
152 52.3 42.9 64.3





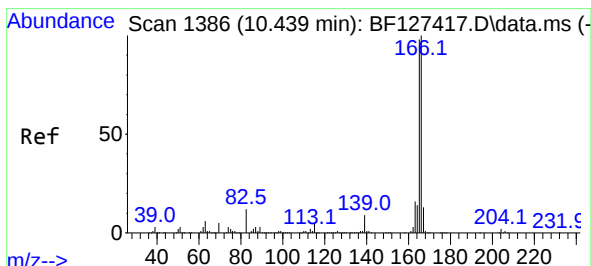
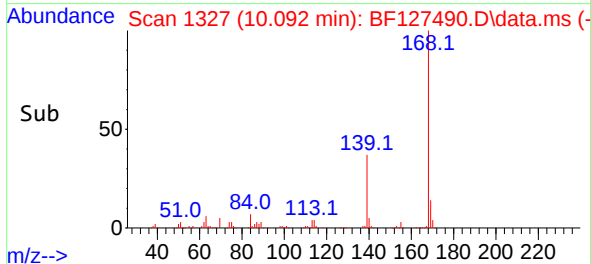
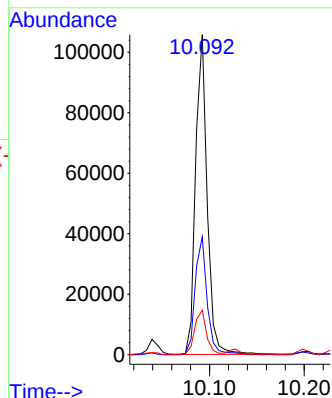
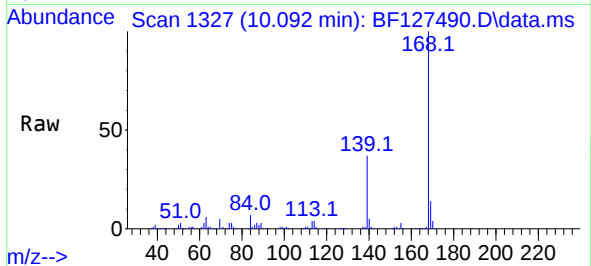
#55
Dibenzenofuran
Concen: 2.288 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Instrument :
BNA_F
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C-15-14-15DL

Tgt Ion:168 Resp: 9014
Ion Ratio Lower Upper
168 100
139 36.8 30.3 45.5
169 13.9 10.8 16.2

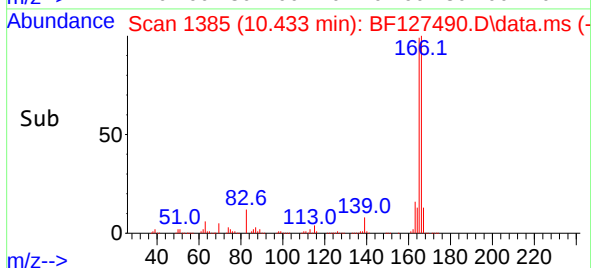
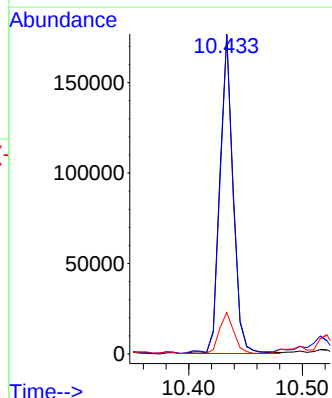
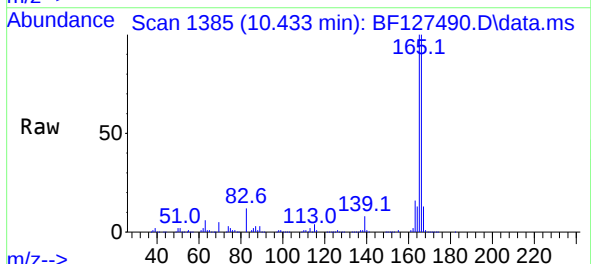
Manual Integrations
APPROVED

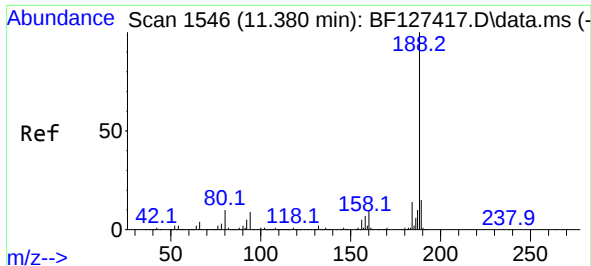
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#58
Fluorene
Concen: 8.822 ng
RT: 10.433 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

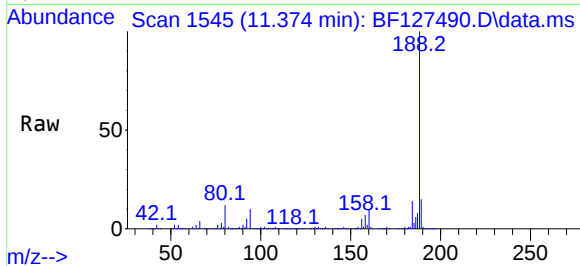
Tgt Ion:166 Resp: 143587
Ion Ratio Lower Upper
166 100
165 99.6 78.1 117.1
167 13.0 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

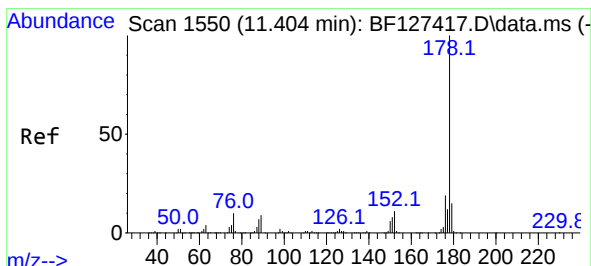
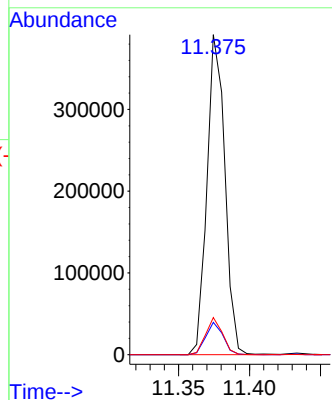
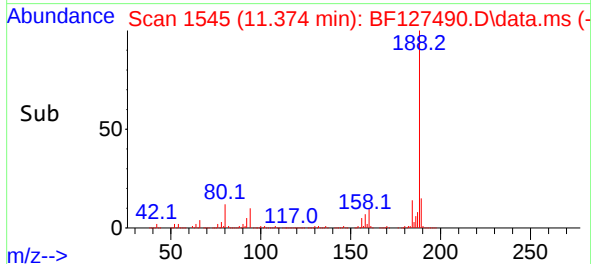
Instrument :
BNA_F
ClientSampleId :
C-15-14-15DL



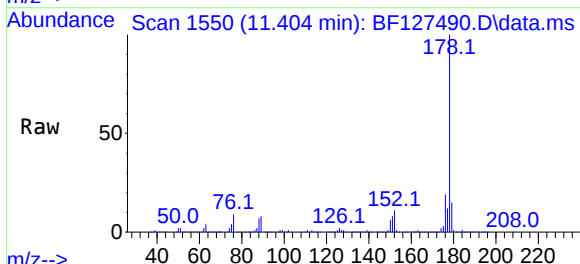
Tgt Ion:188 Resp: 343208
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.0
80 11.6 8.0 12.0

Manual Integrations
APPROVED

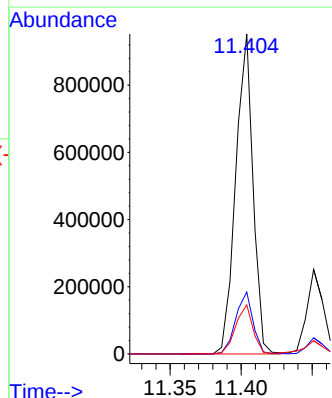
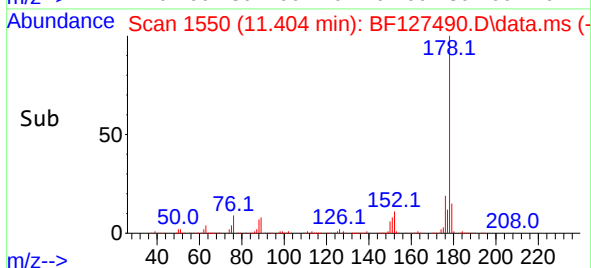
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

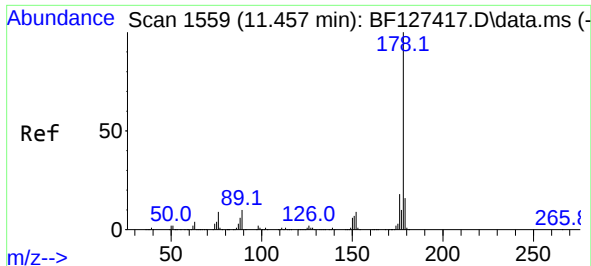


#71
Phenanthrene
Concen: 45.055 ng
RT: 11.404 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47



Tgt Ion:178 Resp: 806159
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.3 12.4 18.6





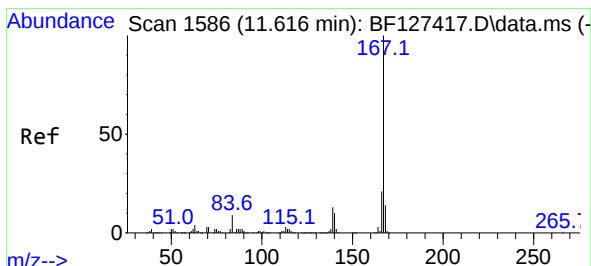
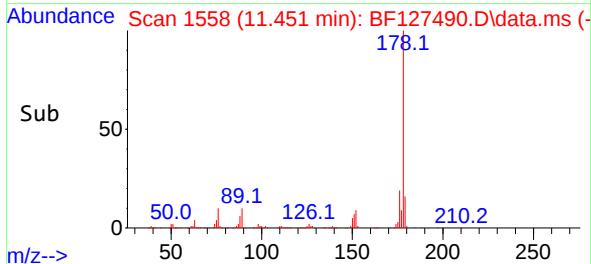
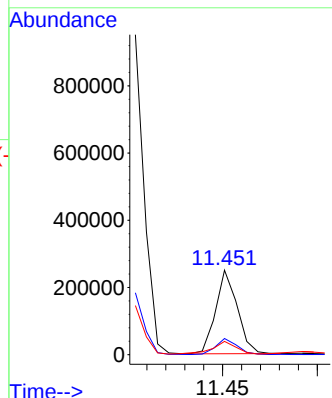
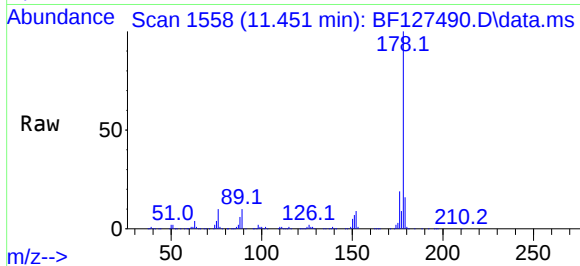
#72
 Anthracene
 Concen: 11.147 ng
 RT: 11.451 min Scan# 1559
 Delta R.T. -0.006 min
 Lab File: BF127490.D
 Acq: 23 Mar 2022 19:47

Instrument :
 BNA_F
 ClientSampleId :
 C-15-14-15DL

Tgt Ion:178 Resp: 197925
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.6 22.0
 179 15.8 12.4 18.6

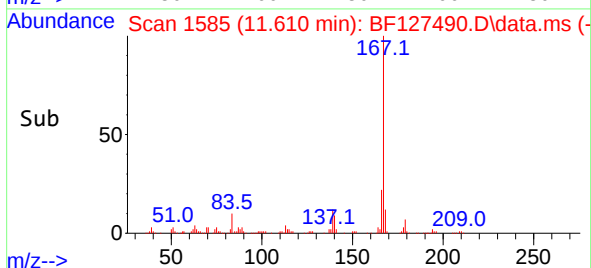
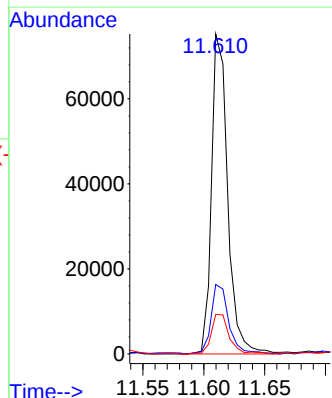
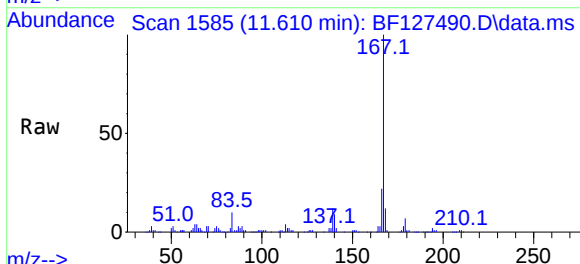
Manual Integrations
 APPROVED

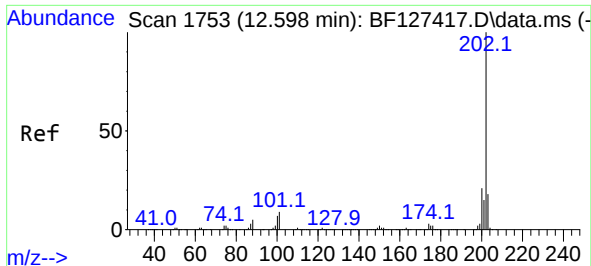
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#73
 Carbazole
 Concen: 4.108 ng
 RT: 11.610 min Scan# 1585
 Delta R.T. -0.006 min
 Lab File: BF127490.D
 Acq: 23 Mar 2022 19:47

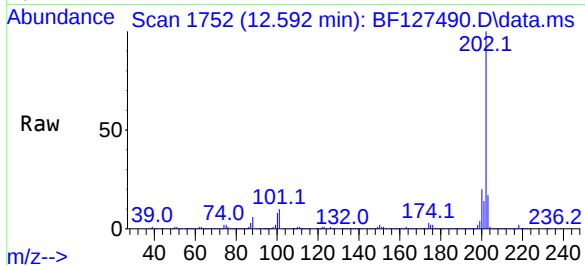
Tgt Ion:167 Resp: 69749
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.4
 139 12.3 10.5 15.7





#75
Fluoranthene
Concen: 30.651 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

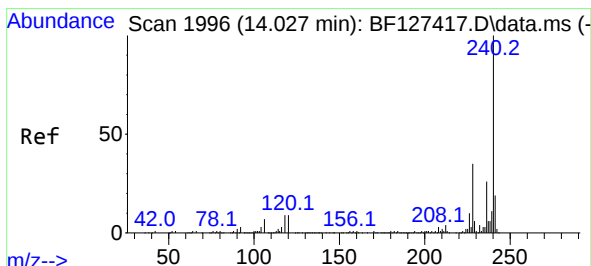
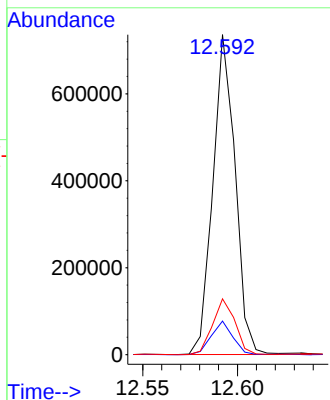
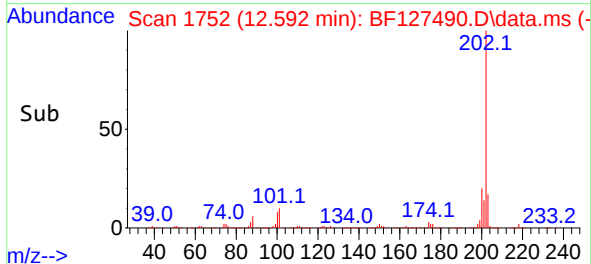
Instrument :
BNA_F
ClientSampleId :
C-15-14-15DL



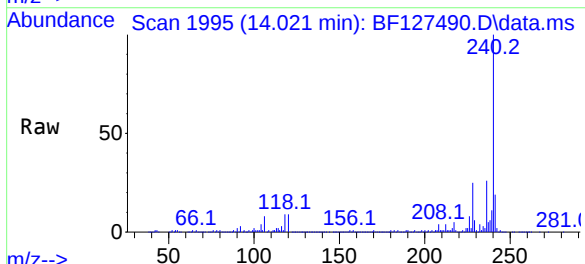
Tgt Ion:202 Resp: 603225
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.0
203 17.4 0.0 37.7

Manual Integrations
APPROVED

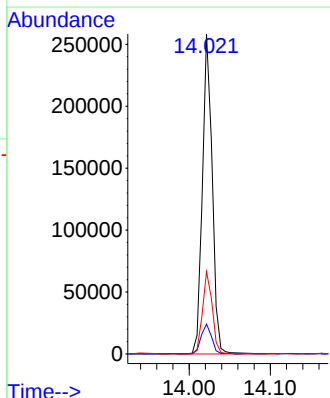
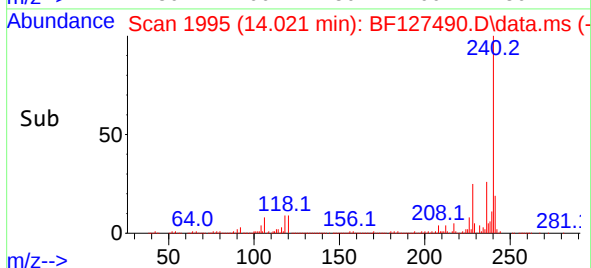
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

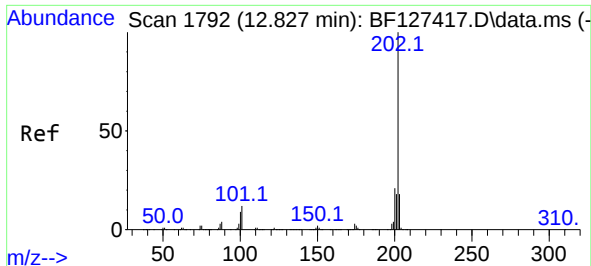


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47



Tgt Ion:240 Resp: 217118
Ion Ratio Lower Upper
240 100
120 9.4 7.1 10.7
236 25.7 20.7 31.1





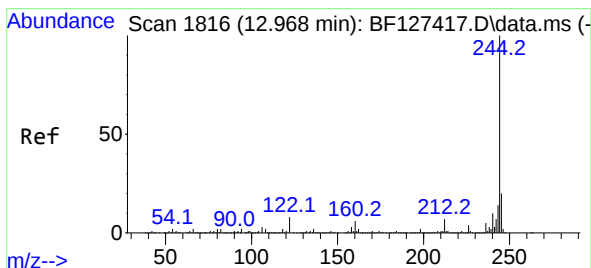
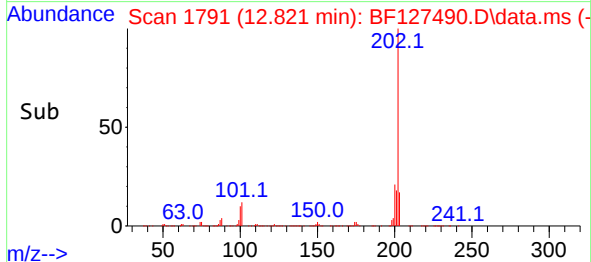
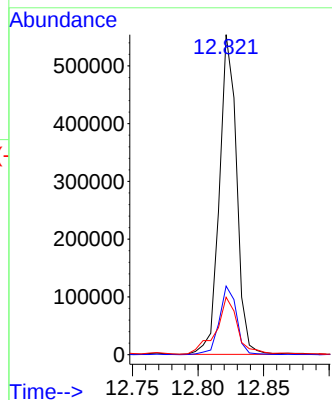
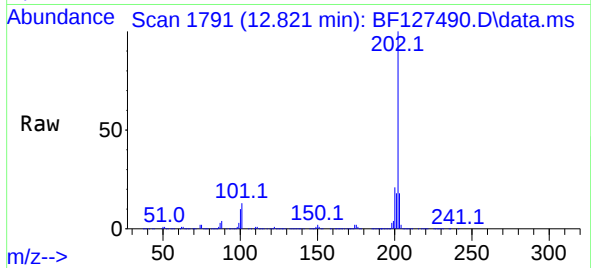
#78
Pyrene
Concen: 27.089 ng
RT: 12.821 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Instrument :
BNA_F
ClientSampleId :
C-15-14-15DL

Tgt Ion:202 Resp: 50476
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 18.0 14.3 21.5

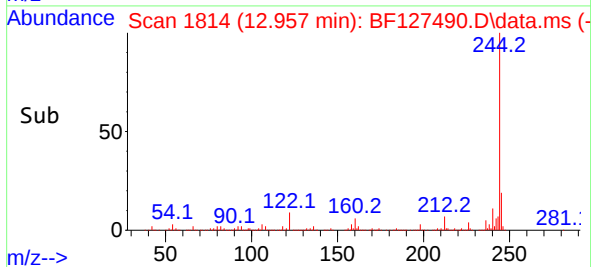
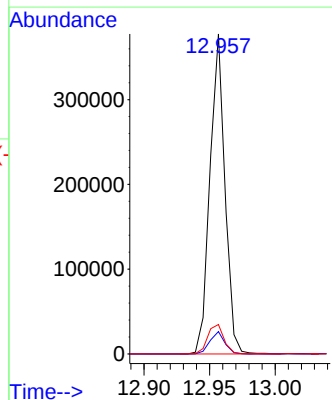
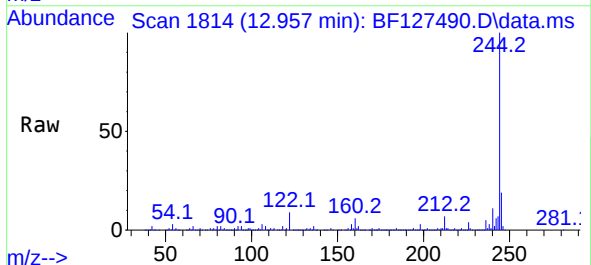
Manual Integrations
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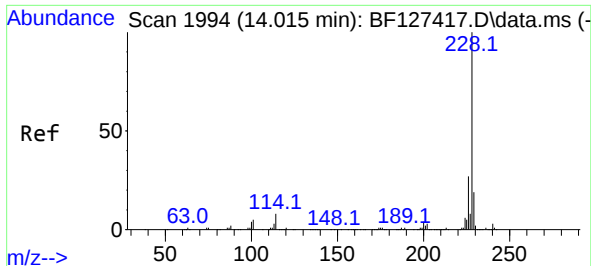
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#79
Terphenyl-d14
Concen: 22.722 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Tgt Ion:244 Resp: 301366
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 9.2 6.2 9.2





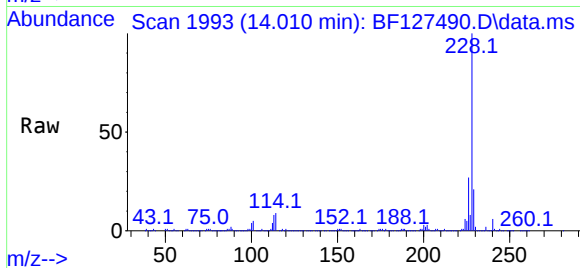
#81
Benzo(a)anthracene
Concen: 15.501 ng
RT: 14.010 min Scan# 1994
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL

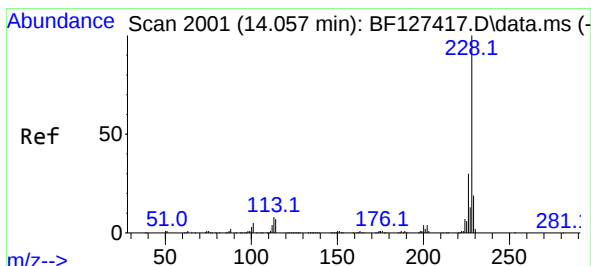
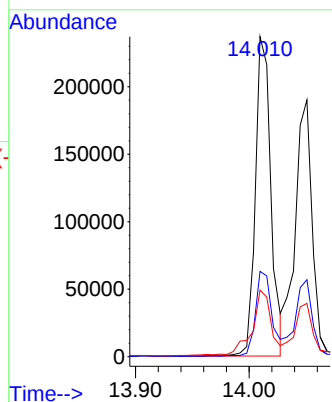
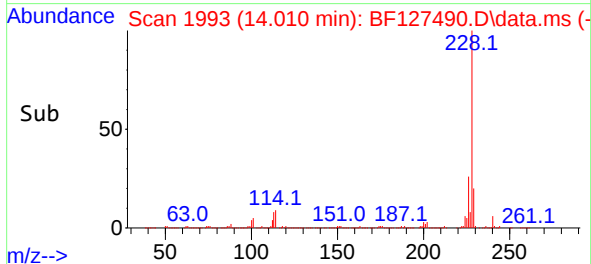


Tgt Ion:228 Resp: 225070
Ion Ratio Lower Upper
228 100
226 26.6 21.6 32.4
229 20.8 15.4 23.2

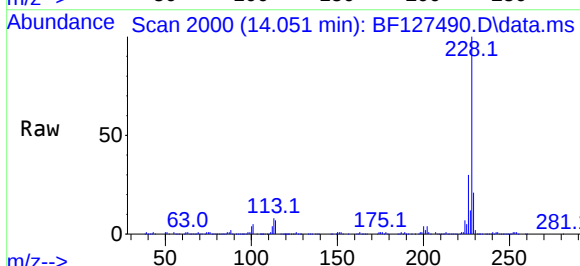
Manual Integrations

APPROVED

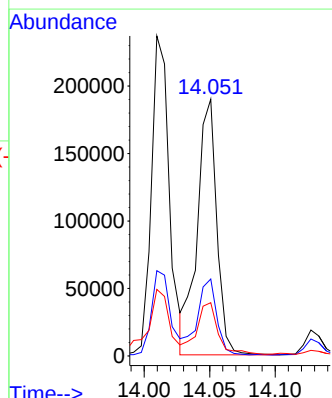
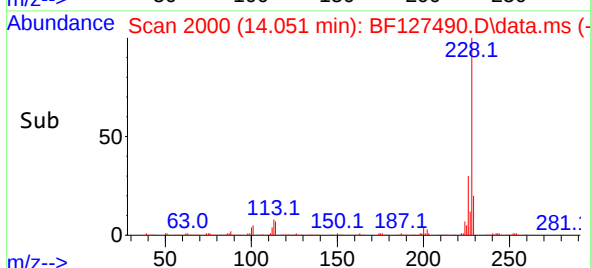
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

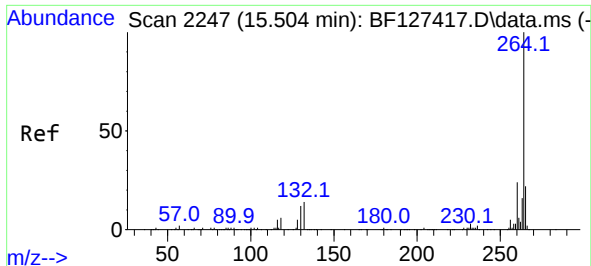


#83
Chrysene
Concen: 14.372 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47



Tgt Ion:228 Resp: 197599
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 20.8 15.4 23.2





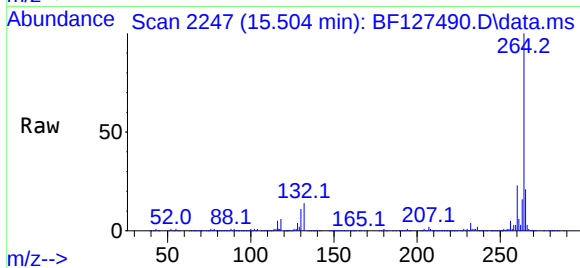
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL

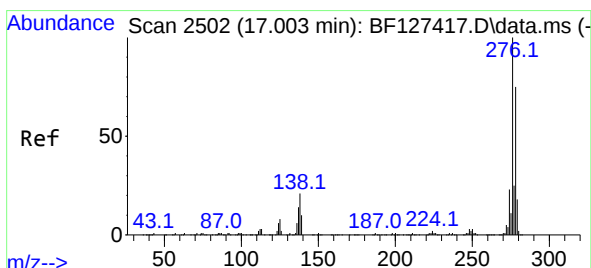
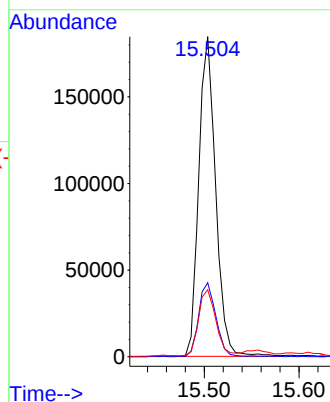
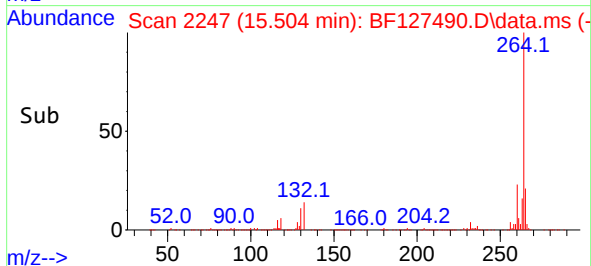


Tgt Ion:264 Resp: 228448
Ion Ratio Lower Upper
264 100
260 23.1 19.1 28.7
265 20.9 17.4 26.2

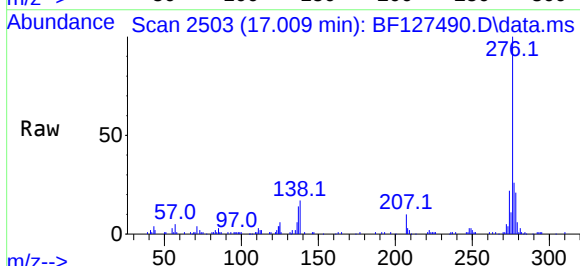
Manual Integrations

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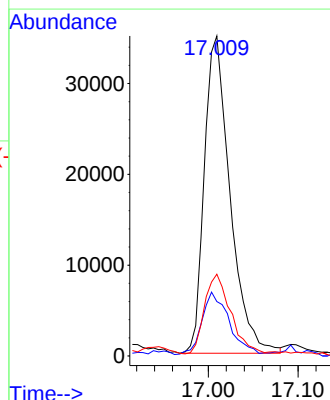
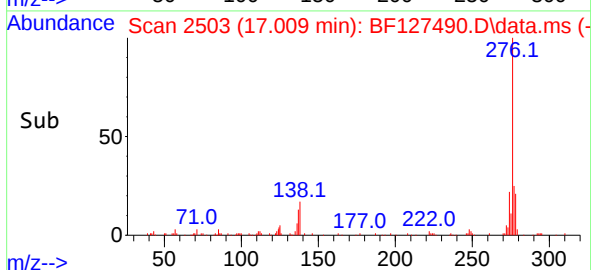
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

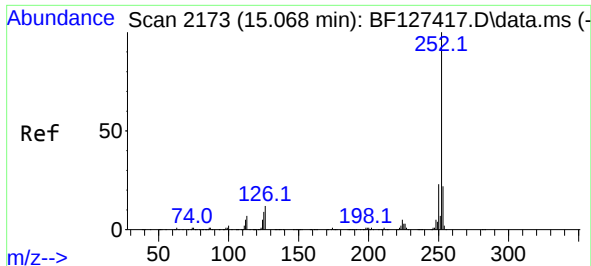


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.509 ng
RT: 17.009 min Scan# 2503
Delta R.T. 0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47



Tgt Ion:276 Resp: 69701
Ion Ratio Lower Upper
276 100
138 20.8 17.1 25.7
277 25.5 19.9 29.9





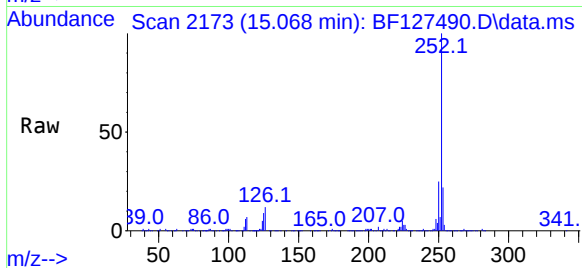
#88
Benzo(b)fluoranthene
Concen: 13.874 ng m
RT: 15.068 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL

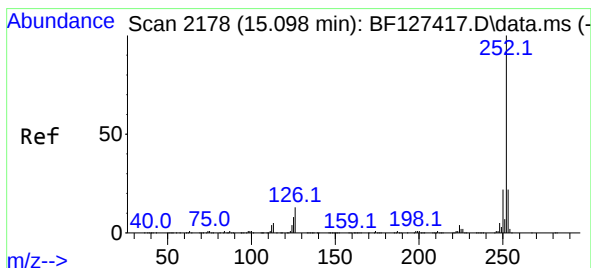
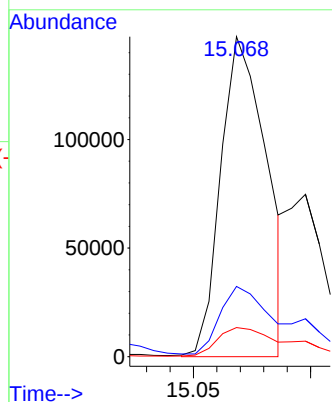


Tgt Ion:252 Resp: 199840
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 9.1 7.0 10.4

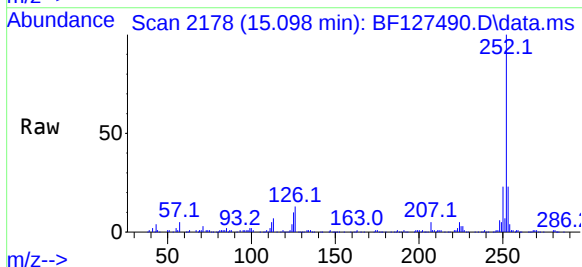
Manual Integrations

APPROVED

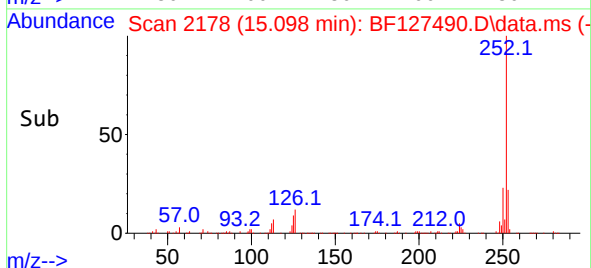
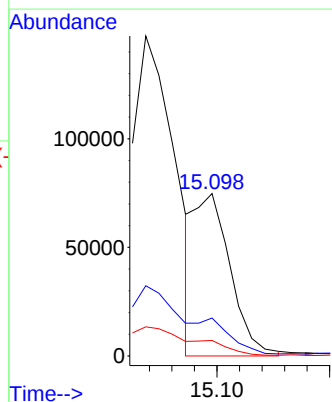
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

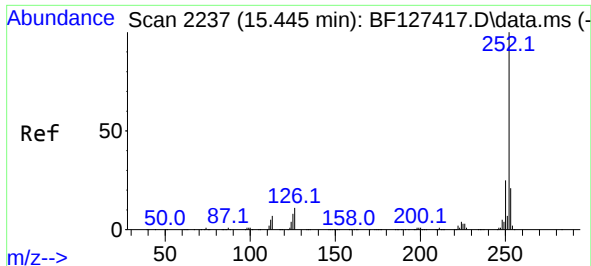


#89
Benzo(k)fluoranthene
Concen: 5.471 ng m
RT: 15.098 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47



Tgt Ion:252 Resp: 81694
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 9.6 6.9 10.3





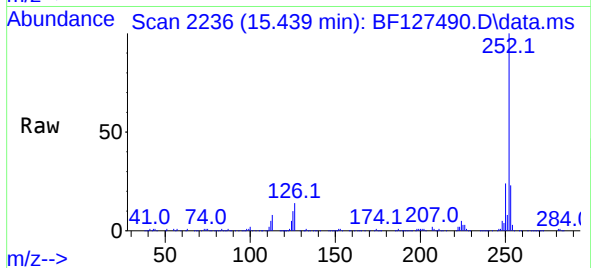
#90
Benzo(a)pyrene
Concen: 13.827 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL

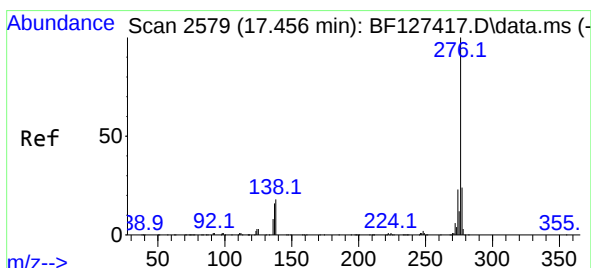
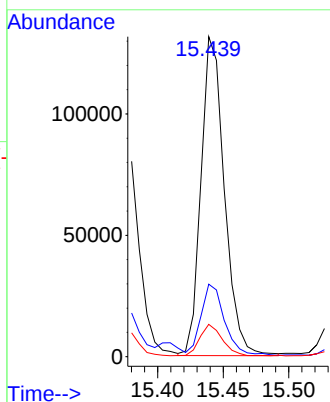
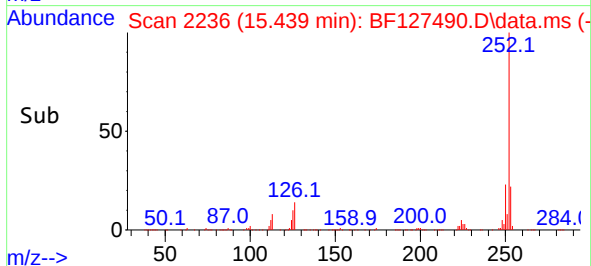


Tgt Ion:252 Resp: 163450
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 10.1 6.7 10.1

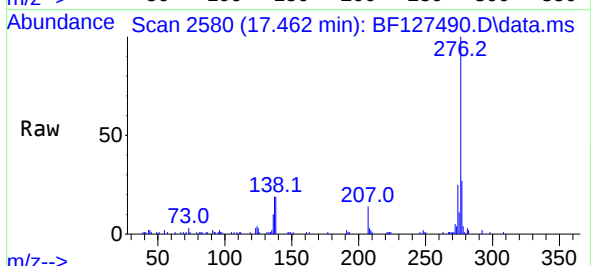
Manual Integrations

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



#92
Benzo(g,h,i)perylene
Concen: 4.477 ng
RT: 17.462 min Scan# 2580
Delta R.T. 0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47



Tgt Ion:276 Resp: 59052
Ion Ratio Lower Upper
276 100
277 27.1 19.0 28.4
138 18.6 14.6 22.0

