

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032222\
 Data File : BF127469.D
 Acq On : 22 Mar 2022 23:36
 Operator : CG\JU
 Sample : N1958-15
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Mar 23 03:03:22 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

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/23/2022
 Supervised By : Jagrut Upadhyay 03/23/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	110205	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	410811	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	238387	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	383441	20.000	ng	0.00
76) Chrysene-d12	14.027	240	206257	20.000	ng	0.00
86) Perylene-d12	15.504	264	219439	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	550197	79.691	ng	0.00
7) Phenol-d6	6.481	99	741488	78.569	ng	0.00
23) Nitrobenzene-d5	7.410	82	496609	51.673	ng	-0.01
42) 2,4,6-Tribromophenol	10.681	330	170979	67.330	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	842653	51.616	ng	0.00
79) Terphenyl-d14	12.963	244	660790	52.446	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	364630	16.718	ng	100
37) 2-Methylnaphthalene	8.839	142	104437	7.447	ng	100
38) 1-Methylnaphthalene	8.939	142	101210	7.298	ng	98
49) Acenaphthylene	9.745	152	57805	2.697	ng	# 96
52) Acenaphthene	9.916	154	134448	10.751	ng	97
55) Dibenzofuran	10.092	168	206492	8.777	ng	95
58) Fluorene	10.433	166	320207	20.795	ng	98
71) Phenanthrene	11.410	178	1670571	83.569	ng	99
72) Anthracene	11.457	178	442559	22.309	ng	99
73) Carbazole	11.610	167	156385	8.243	ng	99
75) Fluoranthene	12.598	202	1240630	56.425	ng	98
78) Pyrene	12.827	202	1028581	58.107	ng	99
81) Benzo(a)anthracene	14.016	228	424048m	30.743	ng	
83) Chrysene	14.051	228	386704m	29.606	ng	
87) Indeno(1,2,3-cd)pyrene	17.004	276	152695	10.283	ng	97
88) Benzo(b)fluoranthene	15.074	252	433614m	31.339	ng	
89) Benzo(k)fluoranthene	15.098	252	123800m	8.631	ng	
90) Benzo(a)pyrene	15.445	252	325900	28.701	ng	98
91) Dibenzo(a,h)anthracene	17.004	278	44806m	3.655	ng	
92) Benzo(g,h,i)perylene	17.457	276	135664	10.706	ng	98

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

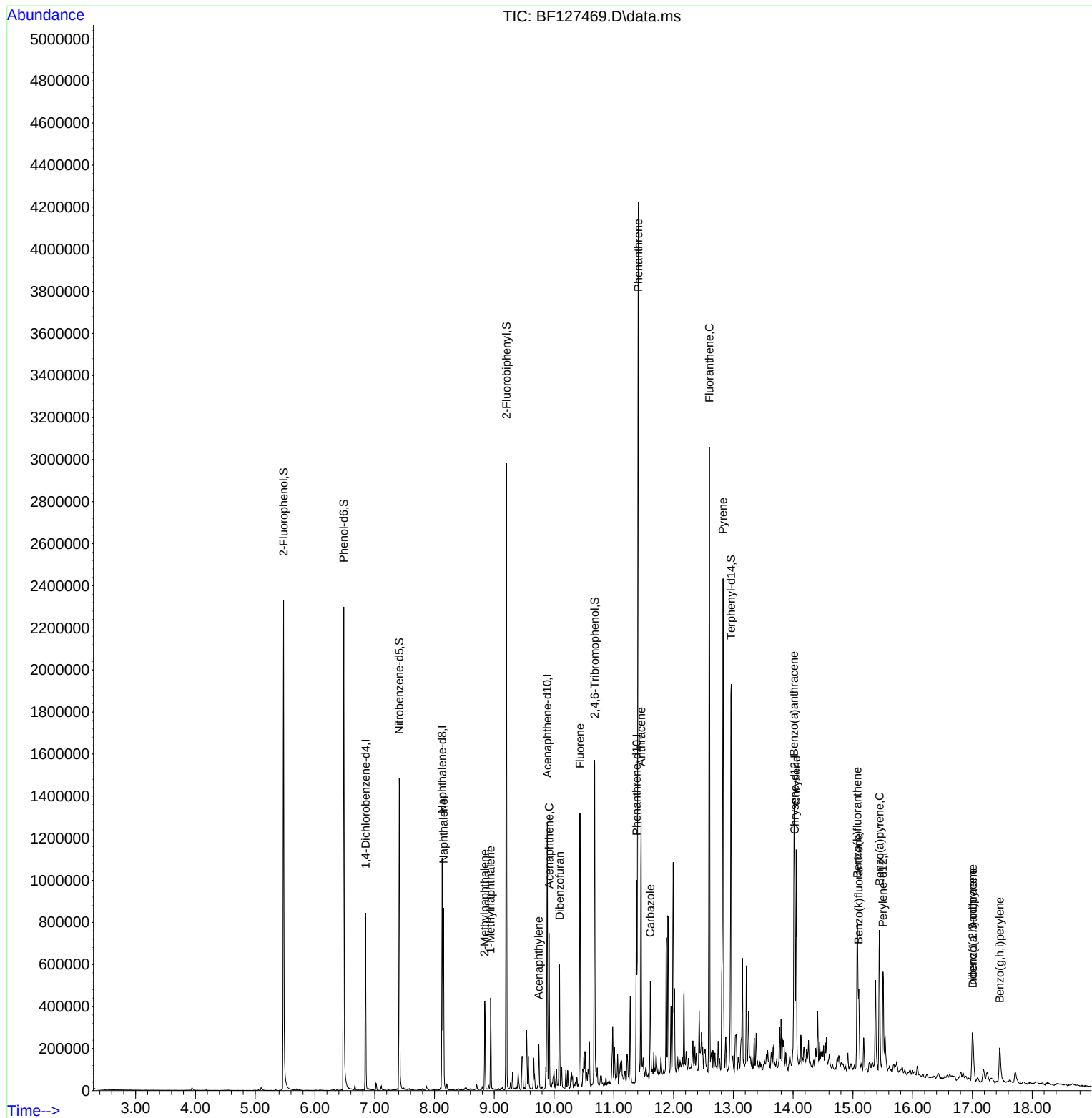
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032222\
Data File : BF127469.D
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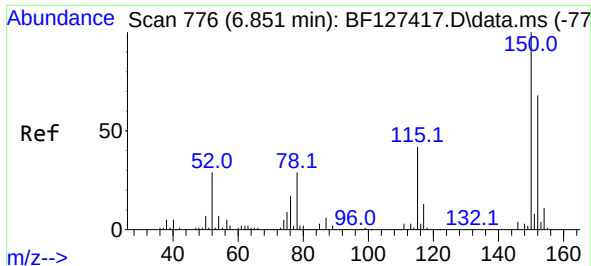
Instrument :
BNA_F
ClientSampleId :
C-15-14-15

Quant Time: Mar 23 03:03:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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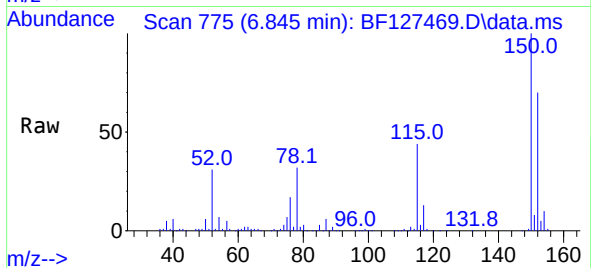
Reviewed By : Christian Giraldo 03/23/2022
Supervised By : Jagrut Upadhyay 03/23/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

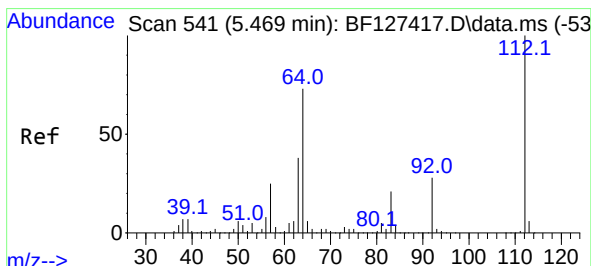
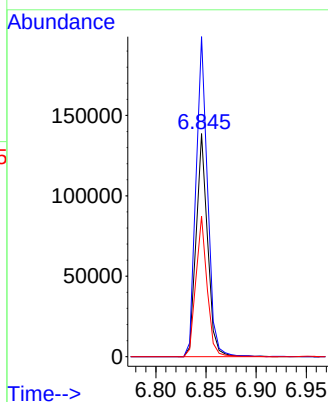
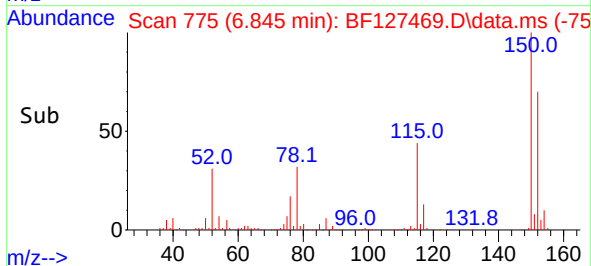
Instrument :
BNA_F
ClientSampleId :
C-15-14-15



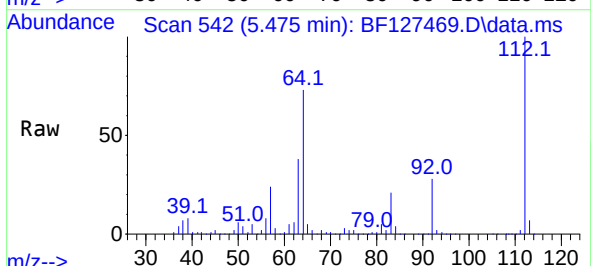
Tgt Ion:152 Resp: 11020
Ion Ratio Lower Upper
152 100
150 143.5 117.2 175.8
115 63.0 49.8 74.6

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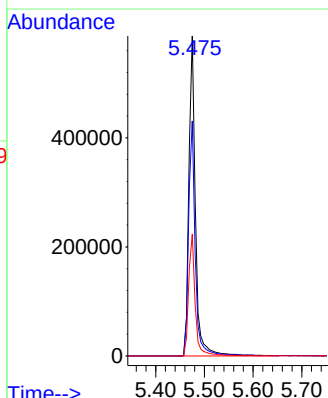
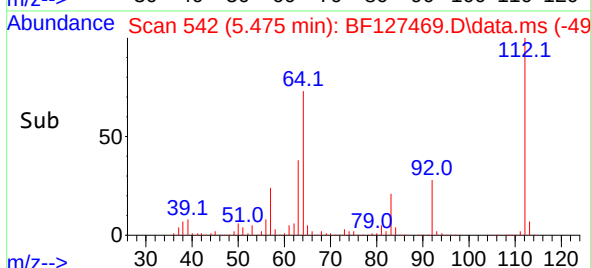
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

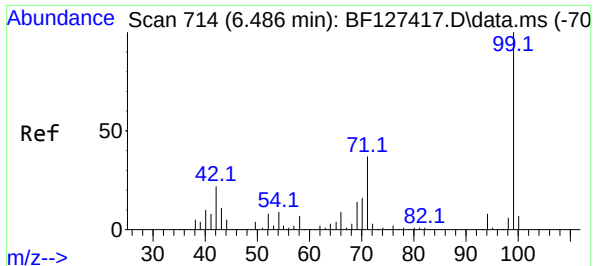


#5
2-Fluorophenol
Concen: 79.691 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36



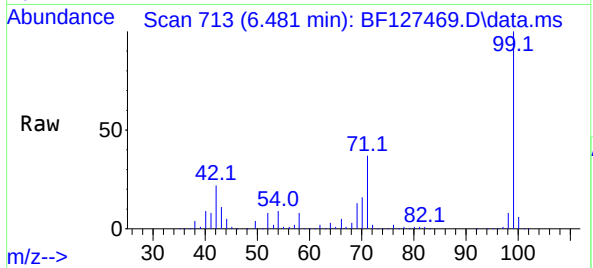
Tgt Ion:112 Resp: 550197
Ion Ratio Lower Upper
112 100
64 73.5 58.4 87.6
63 38.0 30.1 45.1





#7
Phenol-d6
Concen: 78.569 ng
RT: 6.481 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

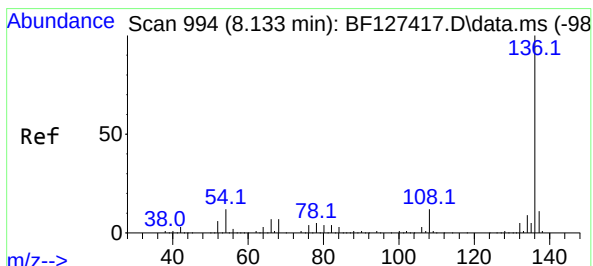
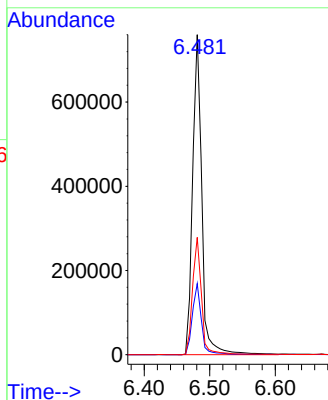
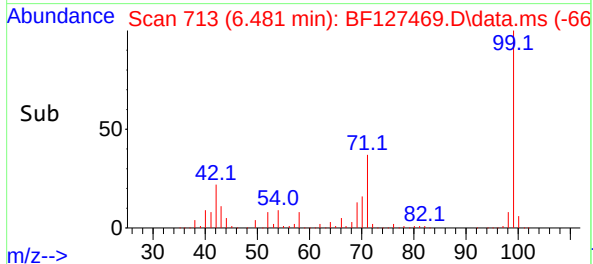
Instrument :
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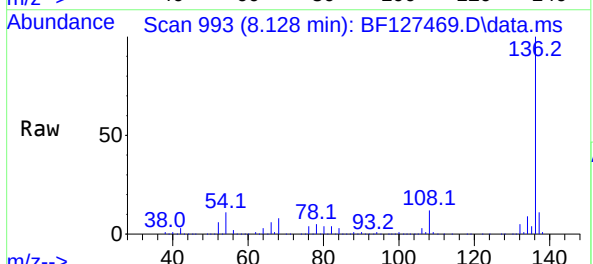
Tgt Ion: 99 Resp: 741488
Ion Ratio Lower Upper
99 100
42 22.2 17.8 26.6
71 36.7 29.6 44.4

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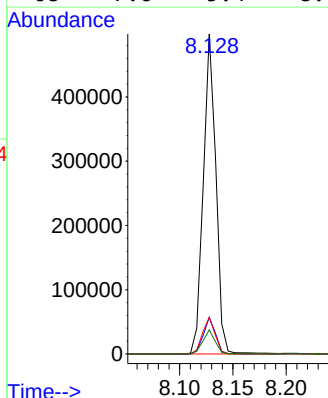
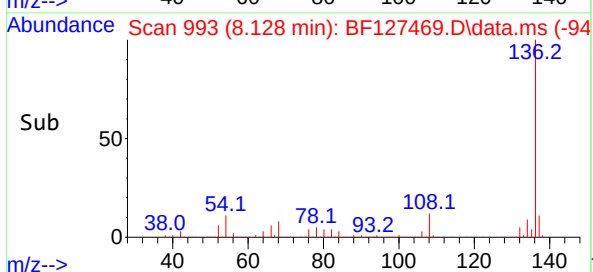
Reviewed By :Christian Giraldo 03/23/2022
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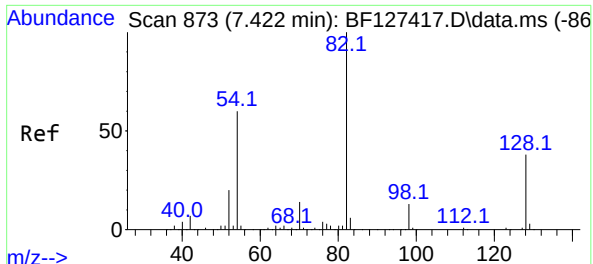


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36



Tgt Ion:136 Resp: 410811
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 11.5 9.2 13.8
68 7.6 5.4 8.0





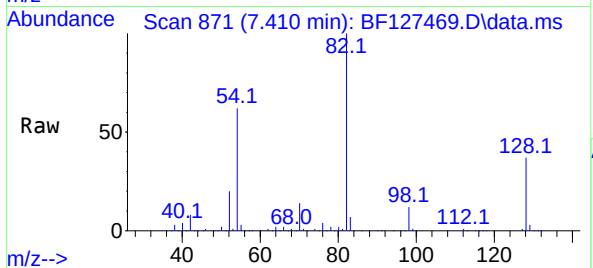
#23
Nitrobenzene-d5
Concen: 51.673 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

Instrument :

BNA_F

ClientSampleId :

C-15-14-15

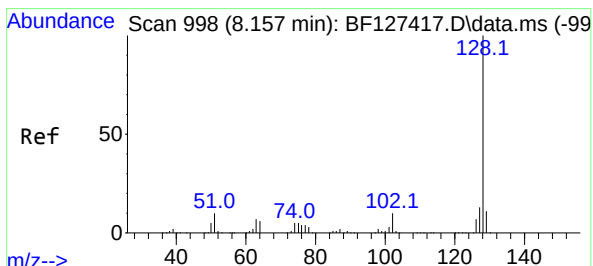
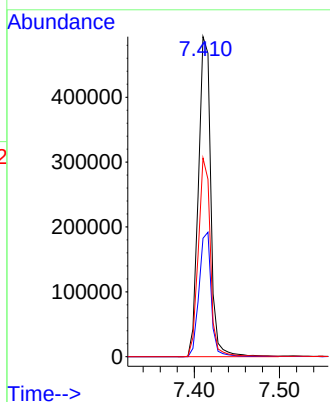
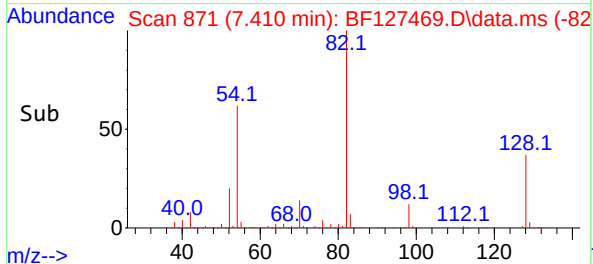


Tgt Ion: 82 Resp: 496609
Ion Ratio Lower Upper
82 100
128 37.0 30.6 45.8
54 62.1 48.2 72.2

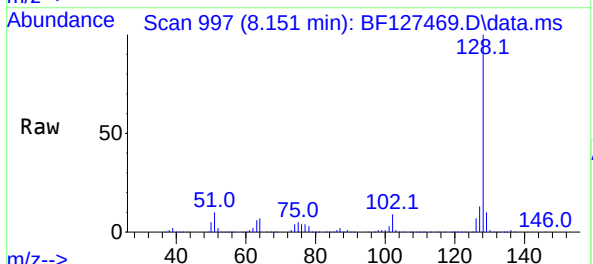
Manual Integrations

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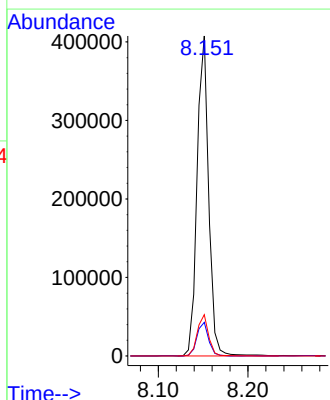
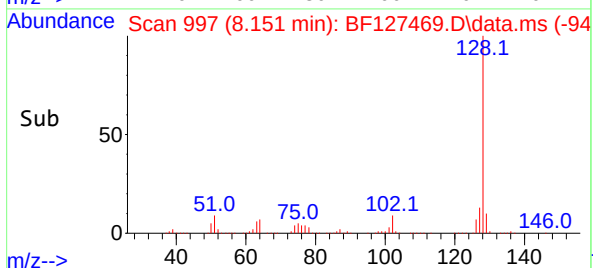
Reviewed By :Christian Giraldo 03/23/2022
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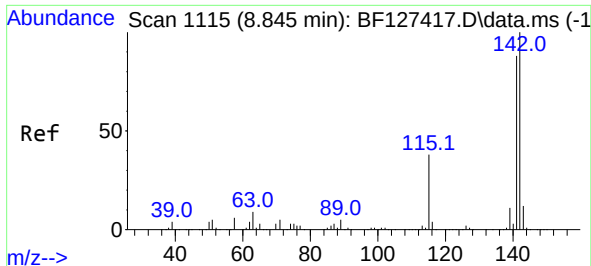


#31
Naphthalene
Concen: 16.718 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36



Tgt Ion:128 Resp: 364630
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 12.9 10.2 15.2





#37

2-Methylnaphthalene

Concen: 7.447 ng

RT: 8.839 min Scan# 1114

Delta R.T. -0.006 min

Lab File: BF127469.D

Acq: 22 Mar 2022 23:36

Instrument :

BNA_F

ClientSampleId :

C-15-14-15

Tgt Ion:142 Resp: 10443

Ion Ratio Lower Upper

142 100

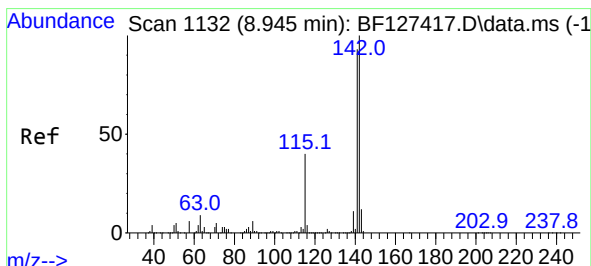
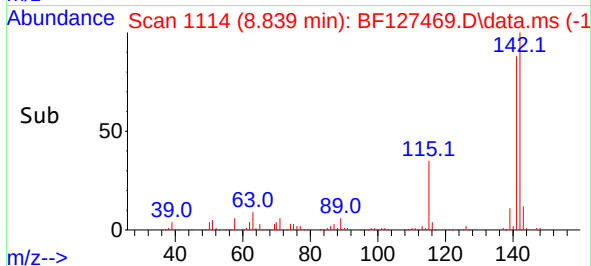
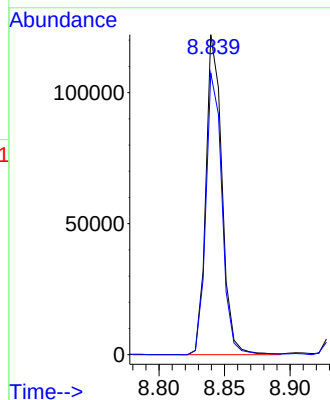
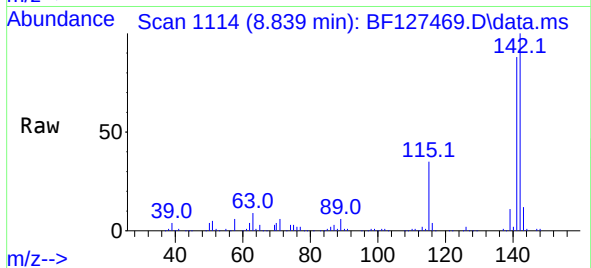
141 88.0 70.6 106.0

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 7.298 ng

RT: 8.939 min Scan# 1131

Delta R.T. -0.006 min

Lab File: BF127469.D

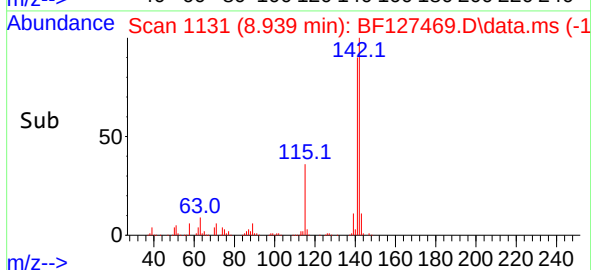
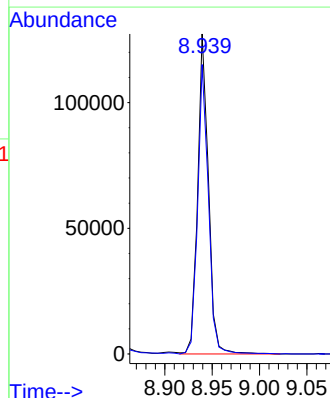
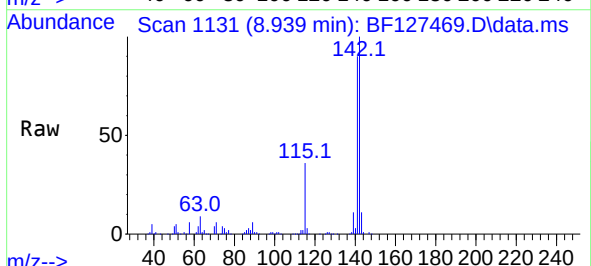
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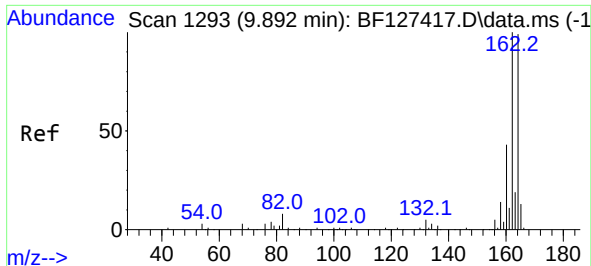
Tgt Ion:142 Resp: 101210

Ion Ratio Lower Upper

142 100

141 90.5 74.2 111.2





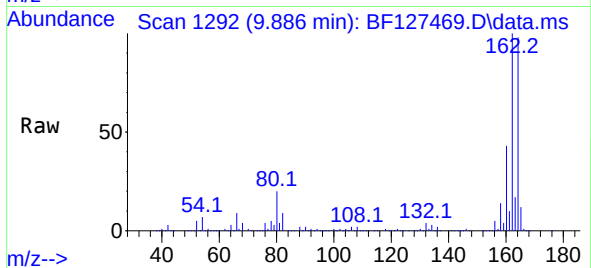
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

Instrument :

BNA_F

ClientSampleId :

C-15-14-15

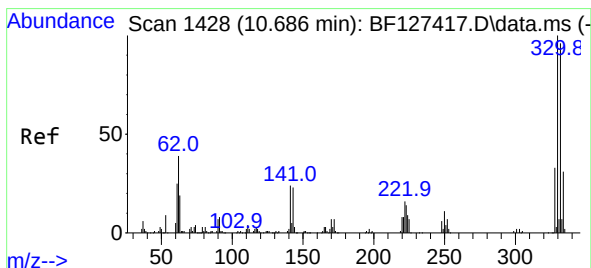
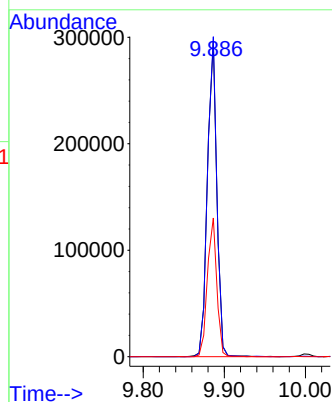
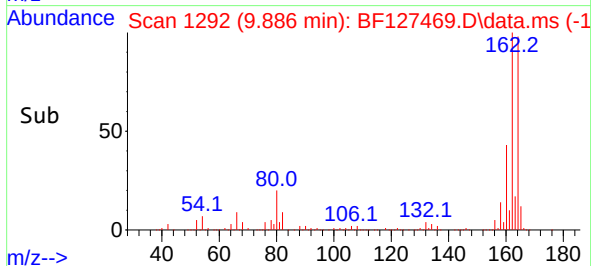


Tgt Ion:164 Resp: 23838
Ion Ratio Lower Upper
164 100
162 101.7 81.2 121.8
160 44.1 34.6 52.0

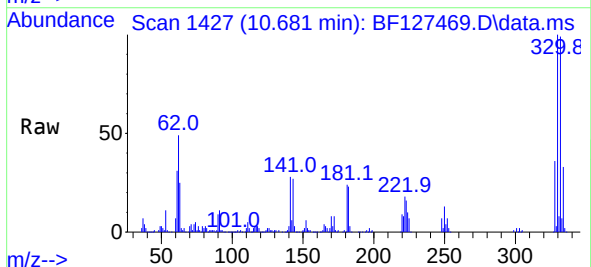
Manual Integrations

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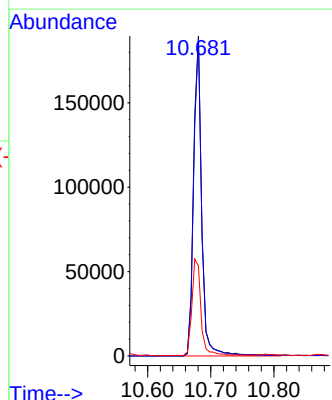
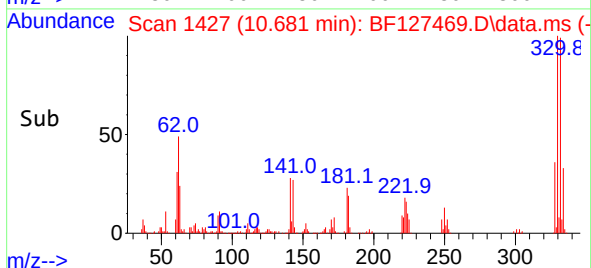
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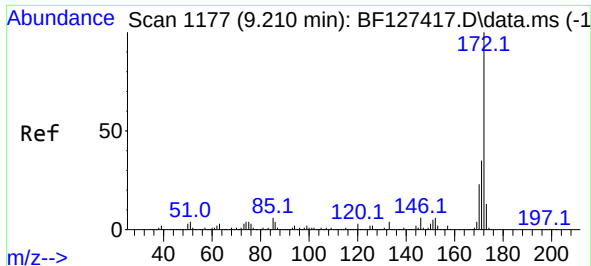


#42
2,4,6-Tribromophenol
Concen: 67.330 ng
RT: 10.681 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36



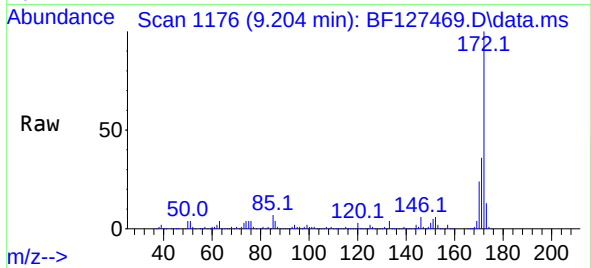
Tgt Ion:330 Resp: 170979
Ion Ratio Lower Upper
330 100
332 97.7 79.1 118.7
141 33.7 26.2 39.4





#45
2-Fluorobiphenyl
Concen: 51.616 ng
RT: 9.204 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

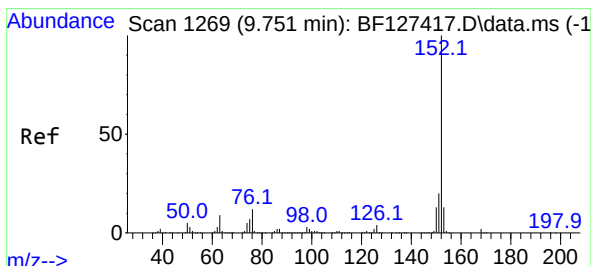
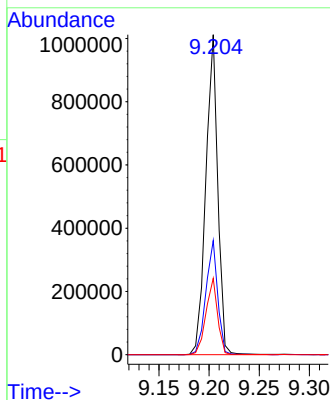
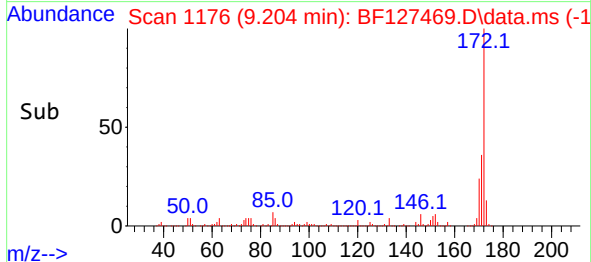
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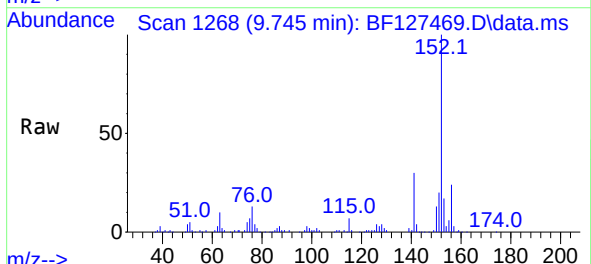
Tgt Ion:172 Resp: 84265
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.8 18.6 27.8

Manual Integrations
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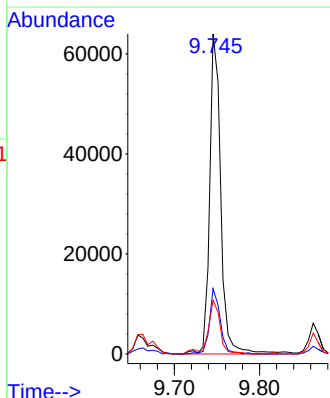
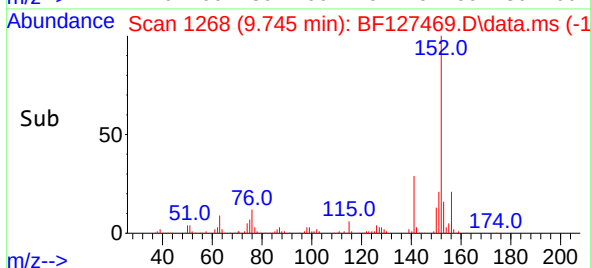
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

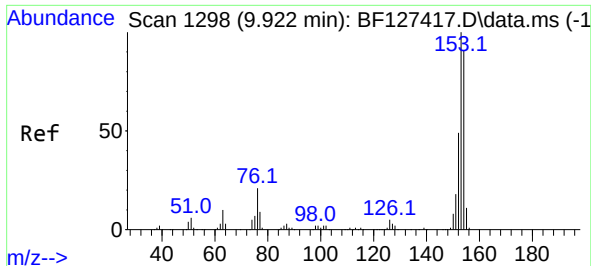


#49
Acenaphthylene
Concen: 2.697 ng
RT: 9.745 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36



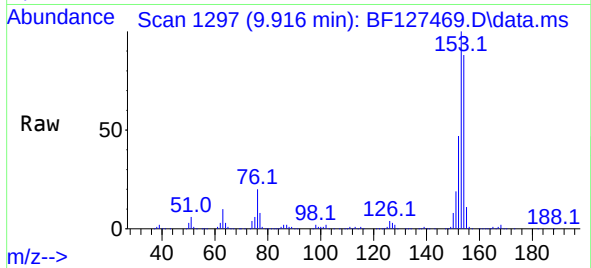
Tgt Ion:152 Resp: 57805
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.8
153 16.8 10.5 15.7#





#52
Acenaphthene
Concen: 10.751 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

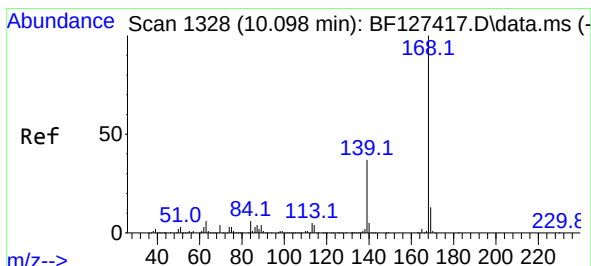
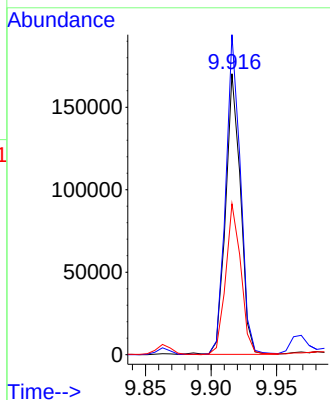
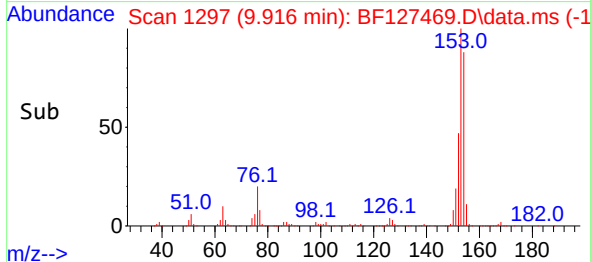
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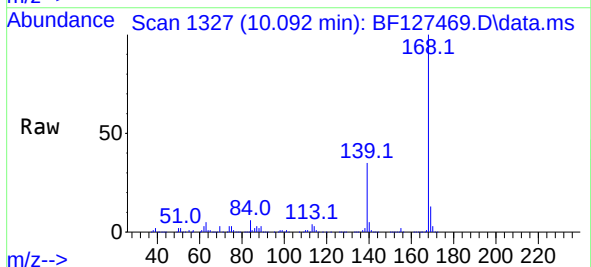
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Ion Ratio Lower Upper
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153 113.9 87.6 131.4
152 53.7 42.9 64.3

Manual Integrations
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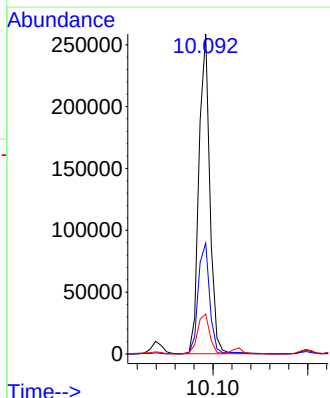
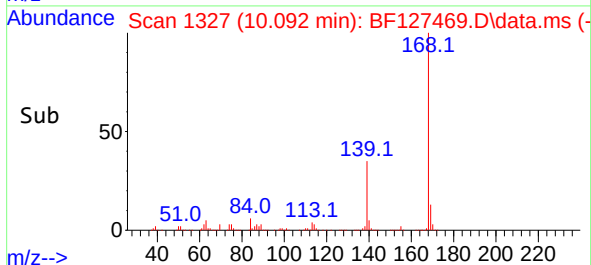
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

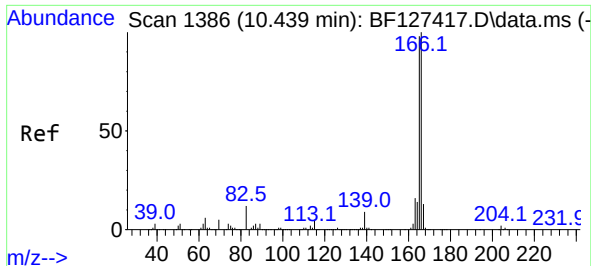


#55
Dibenzofuran
Concen: 8.777 ng
RT: 10.092 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36



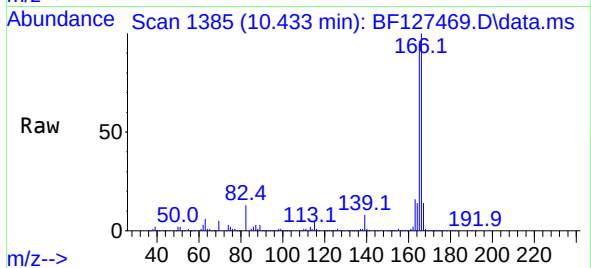
Tgt Ion:168 Resp: 206492
Ion Ratio Lower Upper
168 100
139 34.7 30.3 45.5
169 12.5 10.8 16.2





#58
Fluorene
Concen: 20.795 ng
RT: 10.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

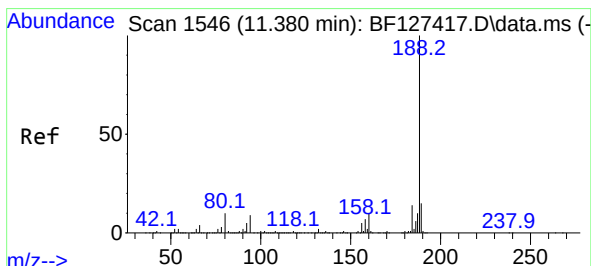
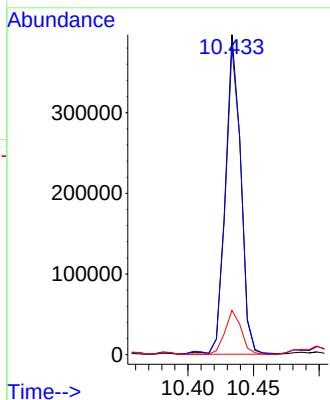
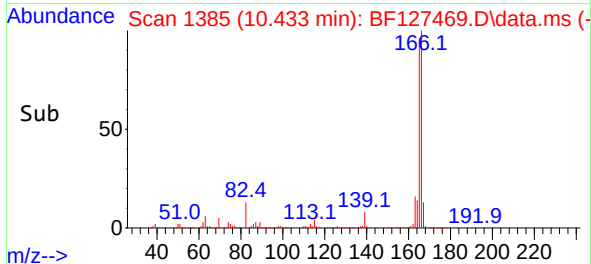
Instrument :
BNA_F
ClientSampleId :
C-15-14-15



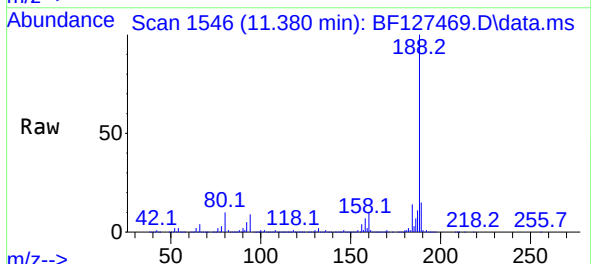
Tgt Ion:166 Resp: 32020
Ion Ratio Lower Upper
166 100
165 96.2 78.1 117.1
167 13.8 10.5 15.7

Manual Integrations
APPROVED

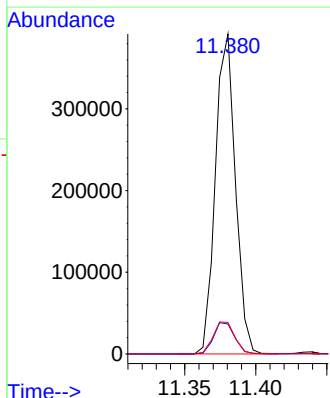
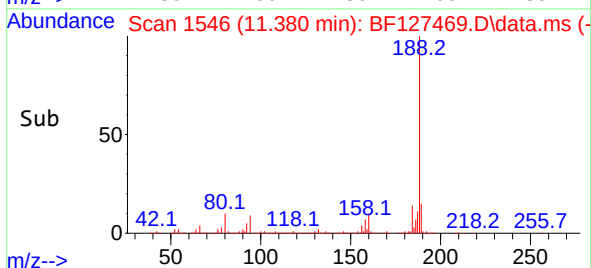
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

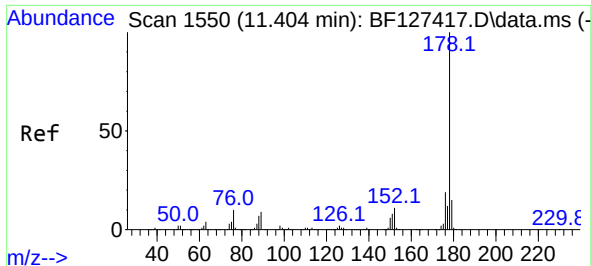


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36



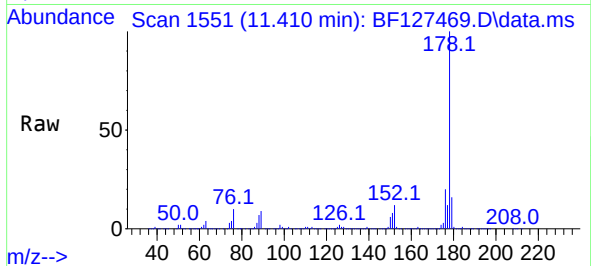
Tgt Ion:188 Resp: 383441
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.0
80 9.9 8.0 12.0





#71
Phenanthrene
Concen: 83.569 ng
RT: 11.410 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

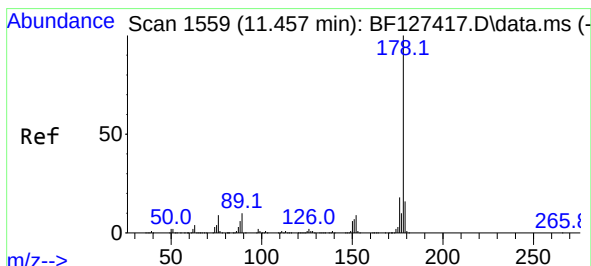
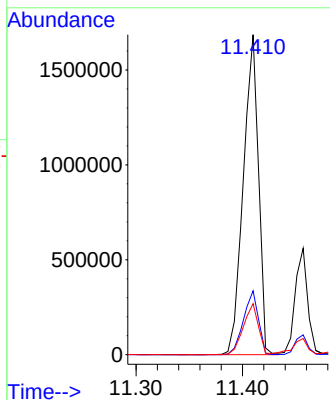
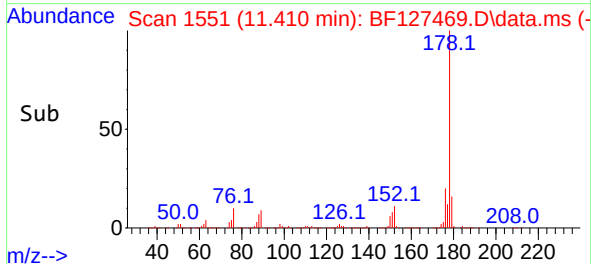
Instrument :
BNA_F
ClientSampleId :
C-15-14-15



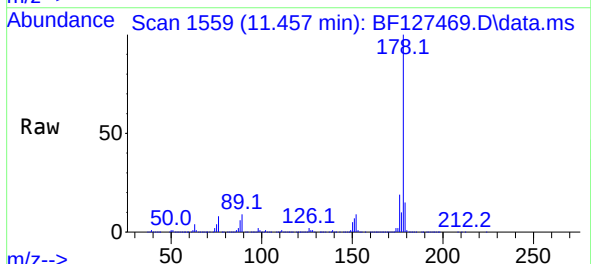
Tgt Ion:178 Resp: 167057
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 15.9 12.4 18.6

Manual Integrations
APPROVED

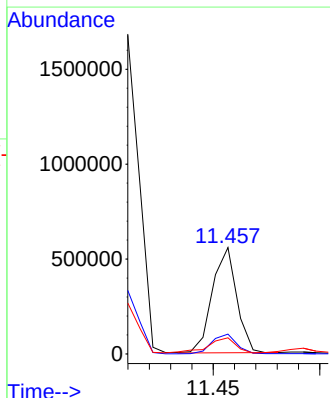
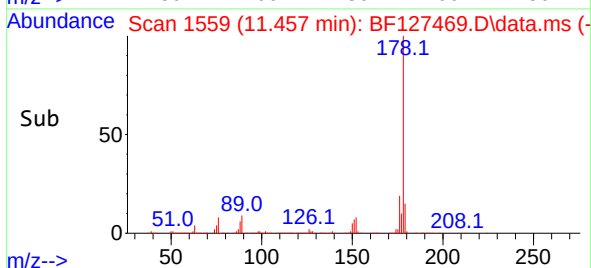
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

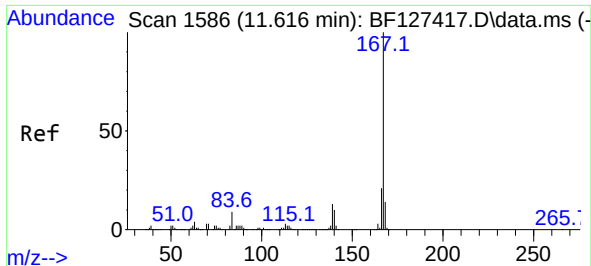


#72
Anthracene
Concen: 22.309 ng
RT: 11.457 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36



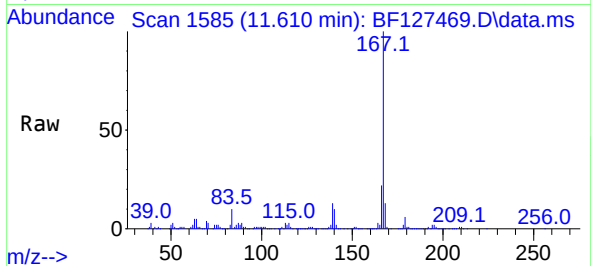
Tgt Ion:178 Resp: 442559
Ion Ratio Lower Upper
178 100
176 18.6 14.6 22.0
179 15.2 12.4 18.6





#73
 Carbazole
 Concen: 8.243 ng
 RT: 11.610 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF127469.D
 Acq: 22 Mar 2022 23:36

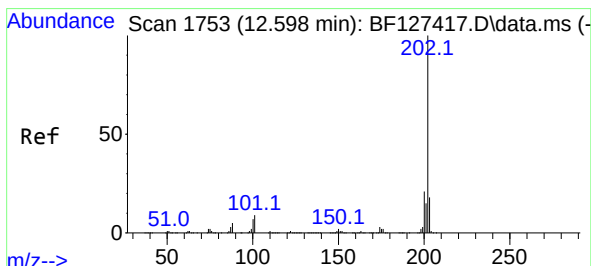
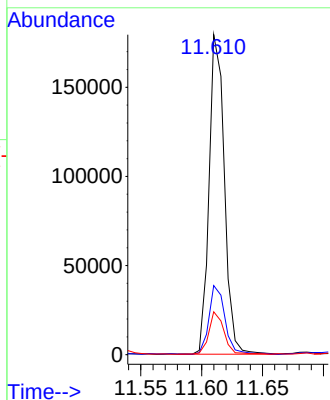
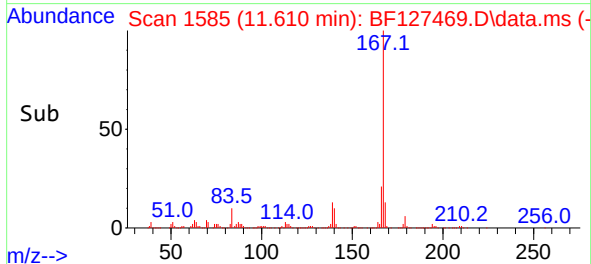
Instrument :
 BNA_F
 ClientSampleId :
 C-15-14-15



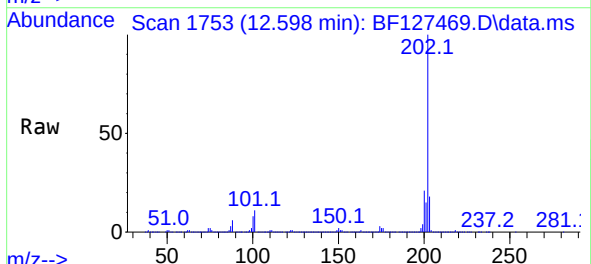
Tgt Ion:167 Resp: 15638
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.4
 139 13.4 10.5 15.7

Manual Integrations
 APPROVED

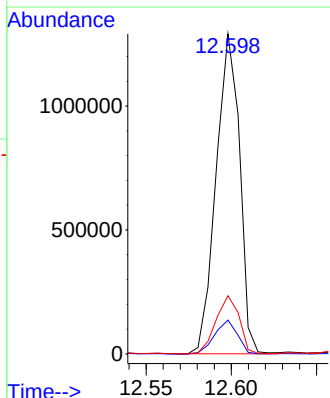
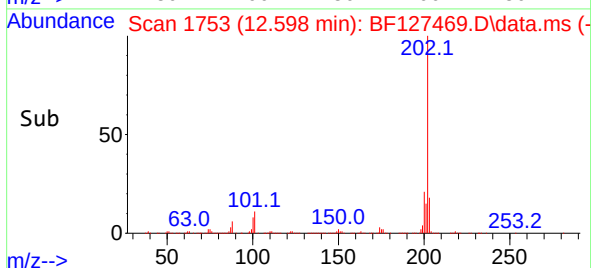
Reviewed By :Christian Giraldo 03/23/2022
 Supervised By :Jagrut Upadhyay 03/23/2022

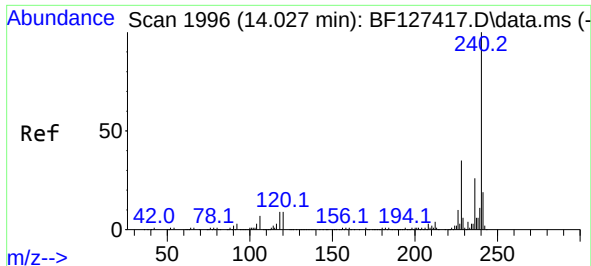


#75
 Fluoranthene
 Concen: 56.425 ng
 RT: 12.598 min Scan# 1753
 Delta R.T. 0.000 min
 Lab File: BF127469.D
 Acq: 22 Mar 2022 23:36



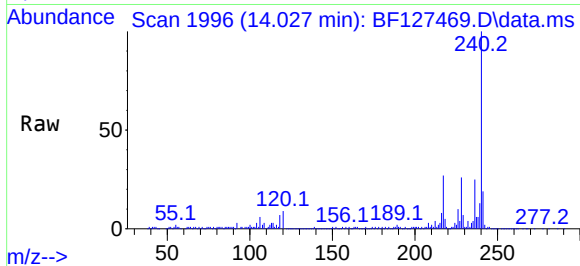
Tgt Ion:202 Resp: 1240630
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 29.0
 203 18.2 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

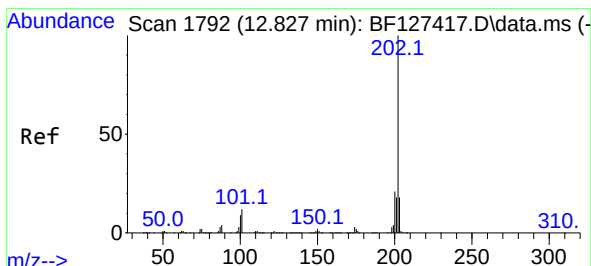
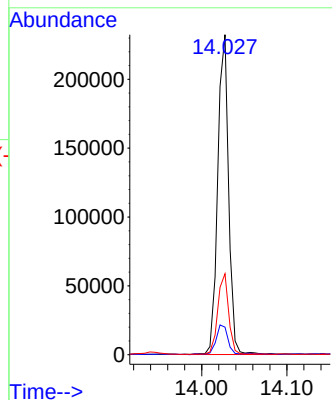
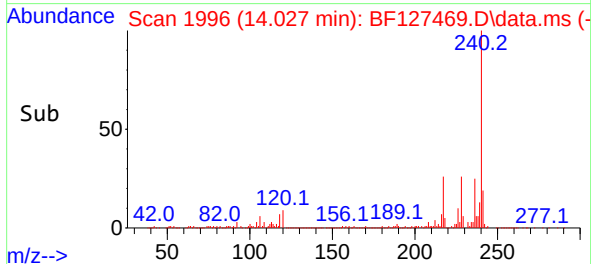
Instrument :
BNA_F
ClientSampleId :
C-15-14-15



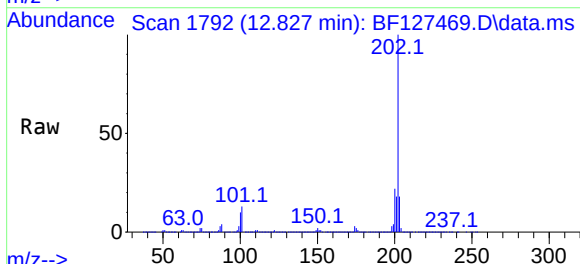
Tgt Ion:240 Resp: 20625
Ion Ratio Lower Upper
240 100
120 8.6 7.1 10.7
236 25.3 20.7 31.1

Manual Integrations
APPROVED

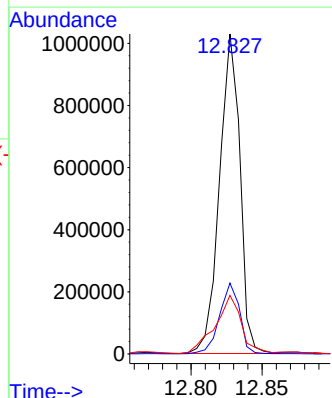
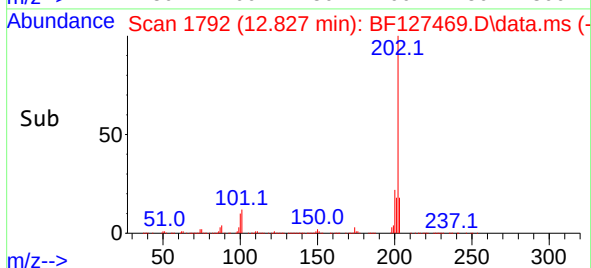
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

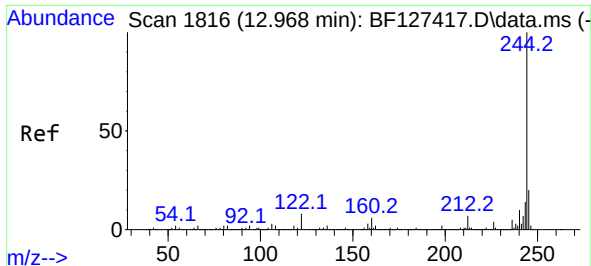


#78
Pyrene
Concen: 58.107 ng
RT: 12.827 min Scan# 1792
Delta R.T. 0.000 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36



Tgt Ion:202 Resp: 1028581
Ion Ratio Lower Upper
202 100
200 22.1 17.1 25.7
203 18.3 14.3 21.5





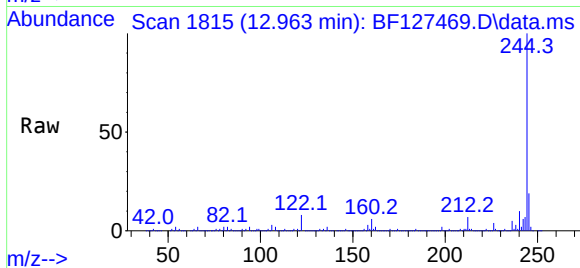
#79
 Terphenyl-d14
 Concen: 52.446 ng
 RT: 12.963 min Scan# 1816
 Delta R.T. -0.006 min
 Lab File: BF127469.D
 Acq: 22 Mar 2022 23:36

Instrument :

BNA_F

ClientSampleId :

C-15-14-15

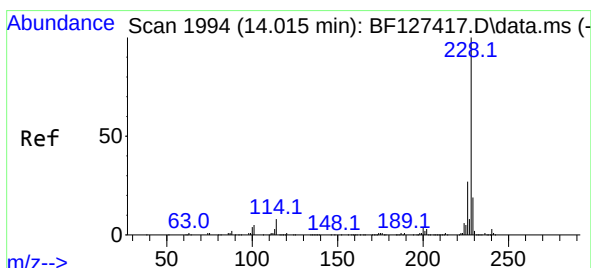
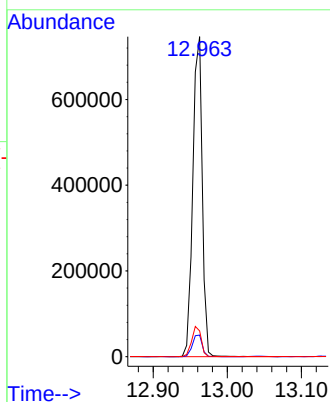
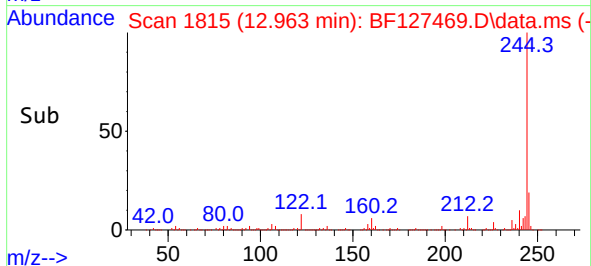


Tgt Ion:244 Resp: 660790
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 8.1 6.2 9.2

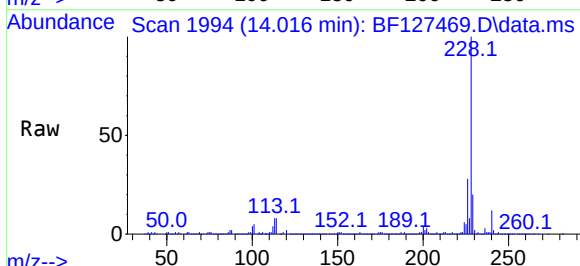
Manual Integrations

APPROVED

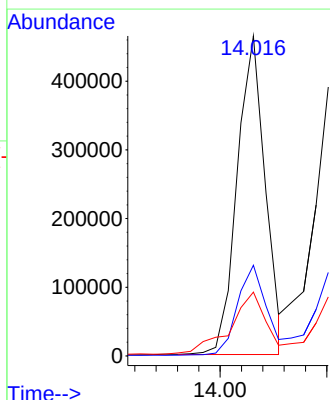
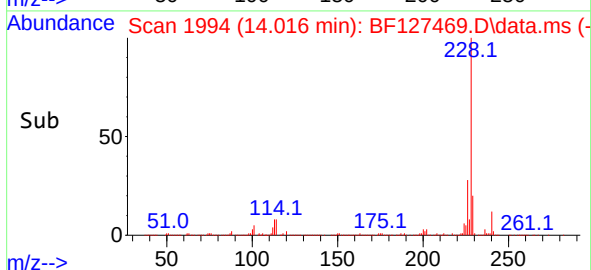
Reviewed By :Christian Giraldo 03/23/2022
 Supervised By :Jagrut Upadhyay 03/23/2022

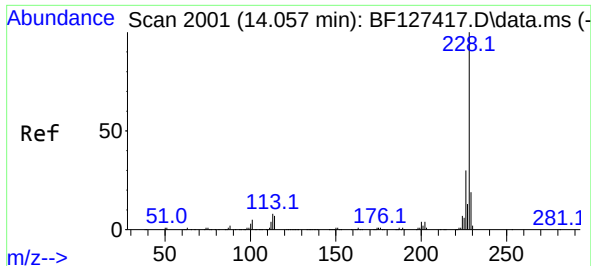


#81
 Benzo(a)anthracene
 Concen: 30.743 ng m
 RT: 14.016 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: BF127469.D
 Acq: 22 Mar 2022 23:36



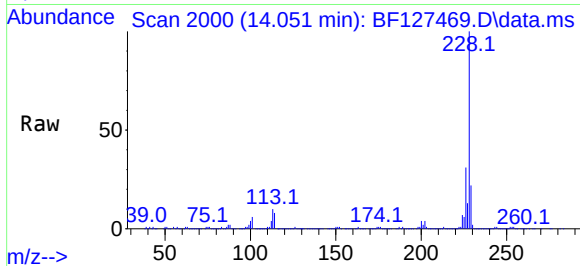
Tgt Ion:228 Resp: 424048
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.6 32.4
 229 20.0 15.4 23.2





#83
Chrysene
Concen: 29.606 ng m
RT: 14.051 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

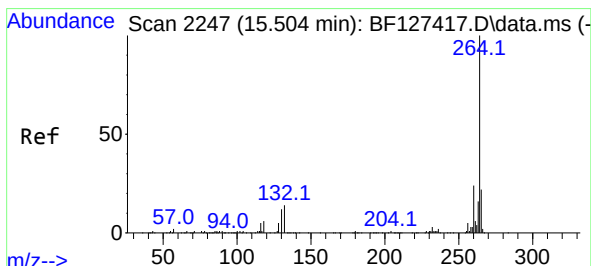
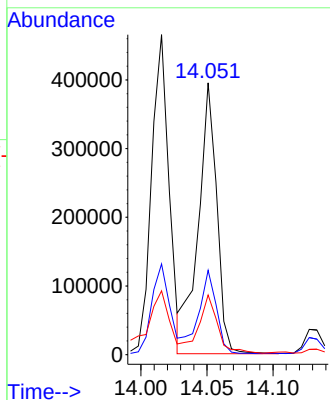
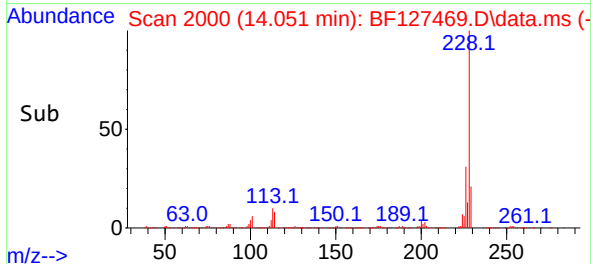
Instrument :
BNA_F
ClientSampleId :
C-15-14-15



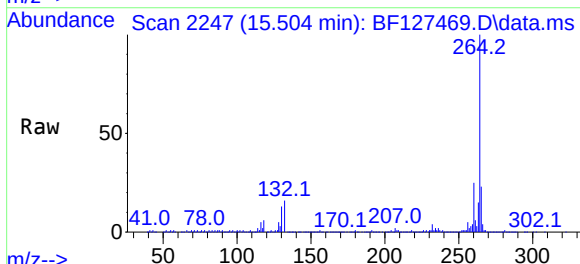
Tgt Ion:228 Resp: 386704
Ion Ratio Lower Upper
228 100
226 31.0 24.2 36.4
229 22.0 15.4 23.2

Manual Integrations
APPROVED

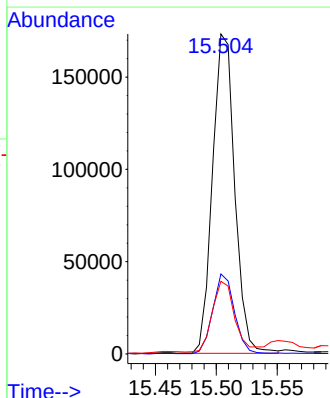
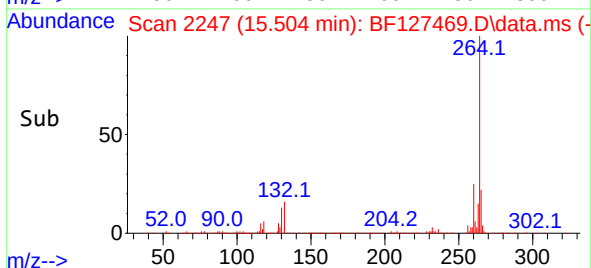
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

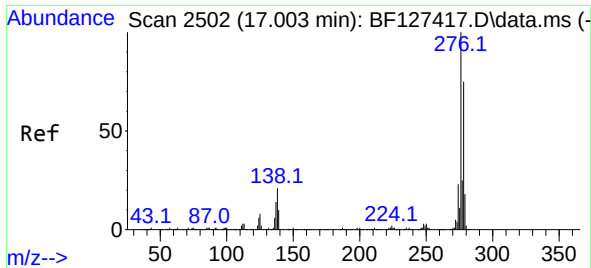


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2247
Delta R.T. 0.000 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36



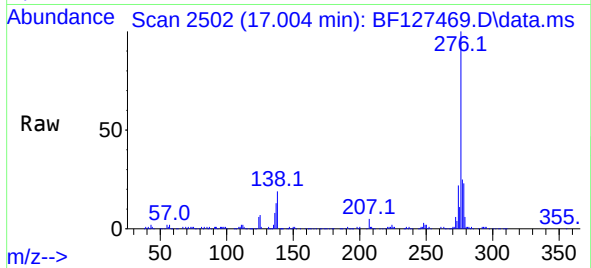
Tgt Ion:264 Resp: 219439
Ion Ratio Lower Upper
264 100
260 25.0 19.1 28.7
265 22.7 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.283 ng
RT: 17.004 min Scan# 2174
Delta R.T. 0.000 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

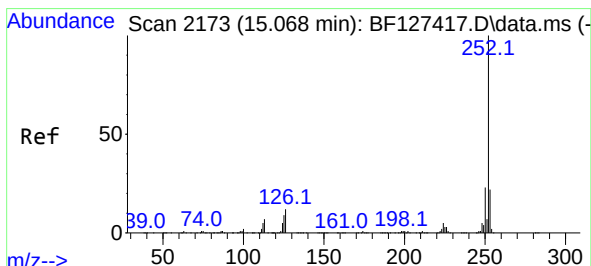
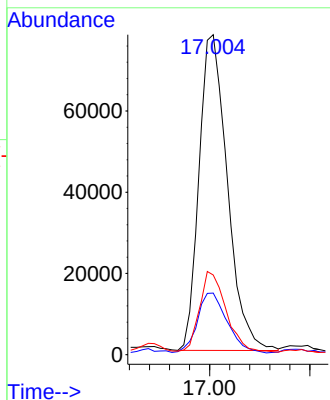
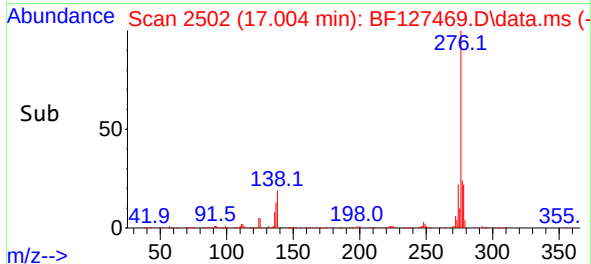
Instrument :
BNA_F
ClientSampleId :
C-15-14-15



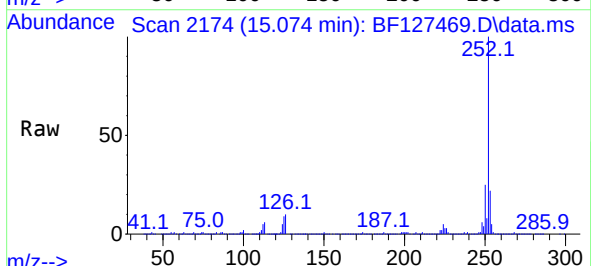
Tgt Ion:276 Resp: 152698
Ion Ratio Lower Upper
276 100
138 19.8 17.1 25.7
277 23.9 19.9 29.9

Manual Integrations
APPROVED

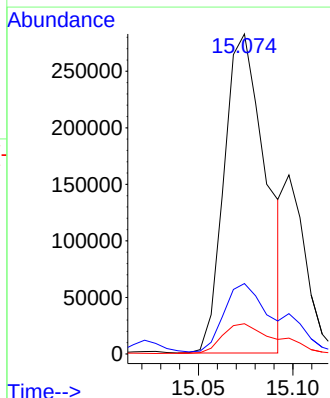
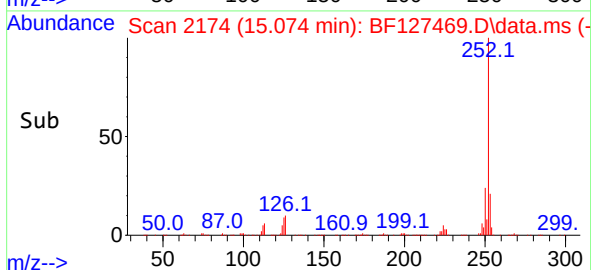
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

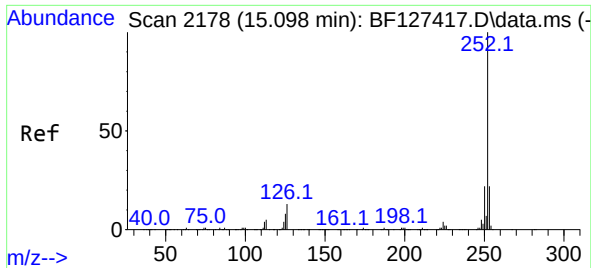


#88
Benzo(b)fluoranthene
Concen: 31.339 ng m
RT: 15.074 min Scan# 2174
Delta R.T. 0.006 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36



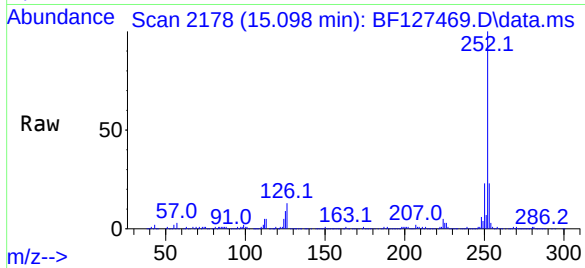
Tgt Ion:252 Resp: 433614
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 9.4 7.0 10.4





#89
Benzo(k)fluoranthene
Concen: 8.631 ng m
RT: 15.098 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

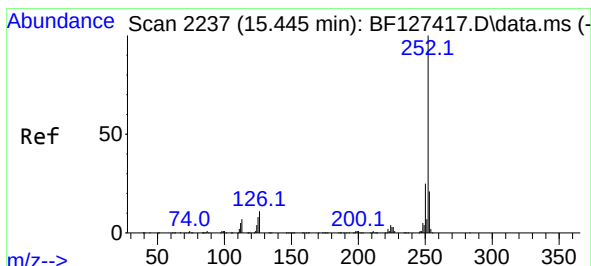
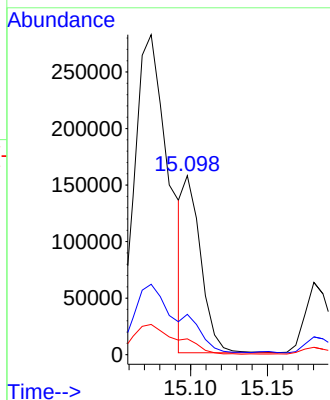
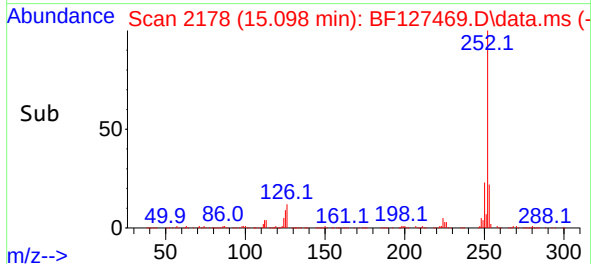
Instrument :
BNA_F
ClientSampleId :
C-15-14-15



Tgt Ion:252 Resp: 123800
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 8.8 6.9 10.3

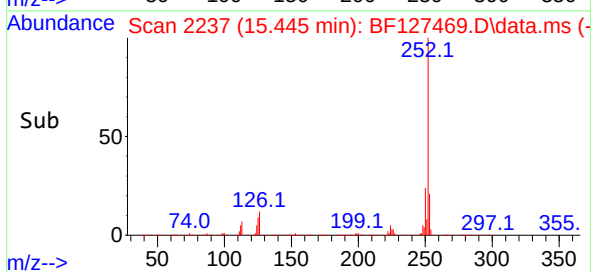
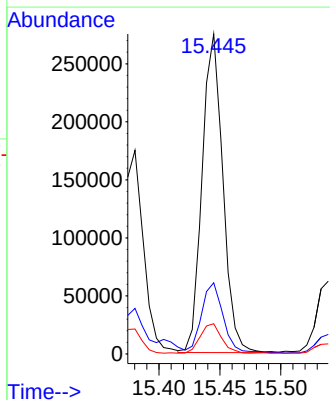
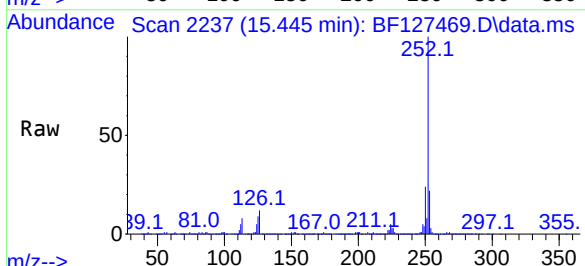
Manual Integrations
APPROVED

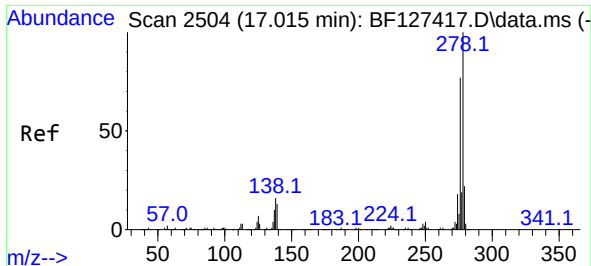
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#90
Benzo(a)pyrene
Concen: 28.701 ng
RT: 15.445 min Scan# 2237
Delta R.T. 0.000 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

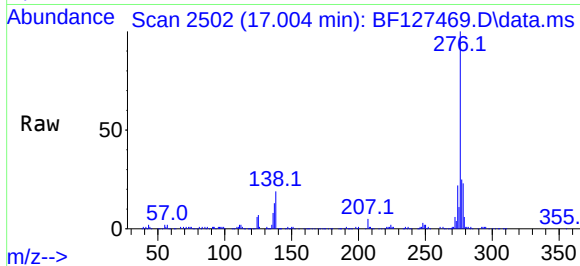
Tgt Ion:252 Resp: 325900
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 9.5 6.7 10.1





#91
Dibenzo(a,h)anthracene
Concen: 3.655 ng m
RT: 17.004 min Scan# 2504
Delta R.T. -0.012 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

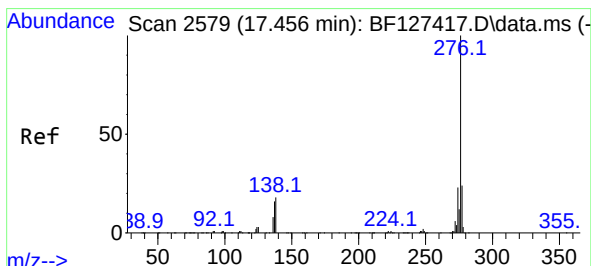
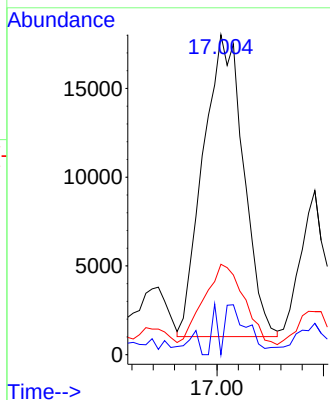
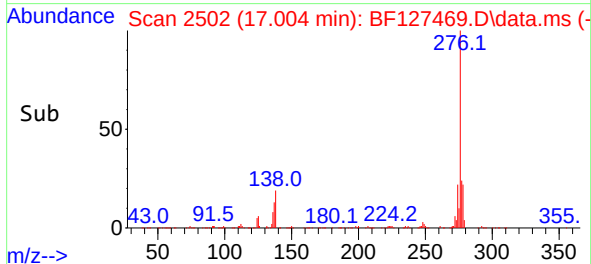
Instrument :
BNA_F
ClientSampleId :
C-15-14-15



Tgt Ion:278 Resp: 44800
Ion Ratio Lower Upper
278 100
139 0.0 10.8 16.2
279 28.3 17.7 26.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#92
Benzo(g,h,i)perylene
Concen: 10.706 ng
RT: 17.457 min Scan# 2579
Delta R.T. 0.000 min
Lab File: BF127469.D
Acq: 22 Mar 2022 23:36

Tgt Ion:276 Resp: 135664
Ion Ratio Lower Upper
276 100
277 25.2 19.0 28.4
138 18.7 14.6 22.0

