

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032422\
 Data File : BF127515.D
 Acq On : 24 Mar 2022 21:14
 Operator : CG\JU
 Sample : N1958-13DL 25X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-13-12-13DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/25/2022
 Supervised By : Jagrut Upadhyay 03/25/2022

Quant Time: Mar 25 02:16:38 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	92791	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	345124	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	192497	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	296801	20.000	ng	0.00
76) Chrysene-d12	14.021	240	211010	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	215395	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	30475	5.242	ng	0.02
7) Phenol-d6	6.498	99	44970	5.659	ng	0.01
23) Nitrobenzene-d5	7.416	82	28287	3.504	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	8057	3.929	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	58404	4.430	ng	0.00
79) Terphenyl-d14	12.957	244	45095	3.498	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.151	128	85415	4.662	ng	99
38) 1-Methylnaphthalene	8.939	142	33251	2.854	ng	90
52) Acenaphthene	9.916	154	38743	3.837	ng	95
55) Dibenzofuran	10.092	168	88717	2.996	ng	95
58) Fluorene	10.433	166	136637	9.777	ng	98
71) Phenanthrene	11.404	178	706083	45.632	ng	100
72) Anthracene	11.451	178	164197	10.693	ng	99
73) Carbazole	11.616	167	43527	2.964	ng	98
75) Fluoranthene	12.592	202	463472	27.232	ng	98
78) Pyrene	12.821	202	367999	20.321	ng	100
81) Benzo(a)anthracene	14.015	228	172496	12.224	ng	99
83) Chrysene	14.051	228	153854	11.514	ng	99
88) Benzo(b)fluoranthene	15.068	252	150383m	11.073	ng	
89) Benzo(k)fluoranthene	15.098	252	41559m	2.952	ng	
90) Benzo(a)pyrene	15.445	252	105280	9.446	ng	99
92) Benzo(g,h,i)perylene	17.474	276	33008	2.654	ng	97

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

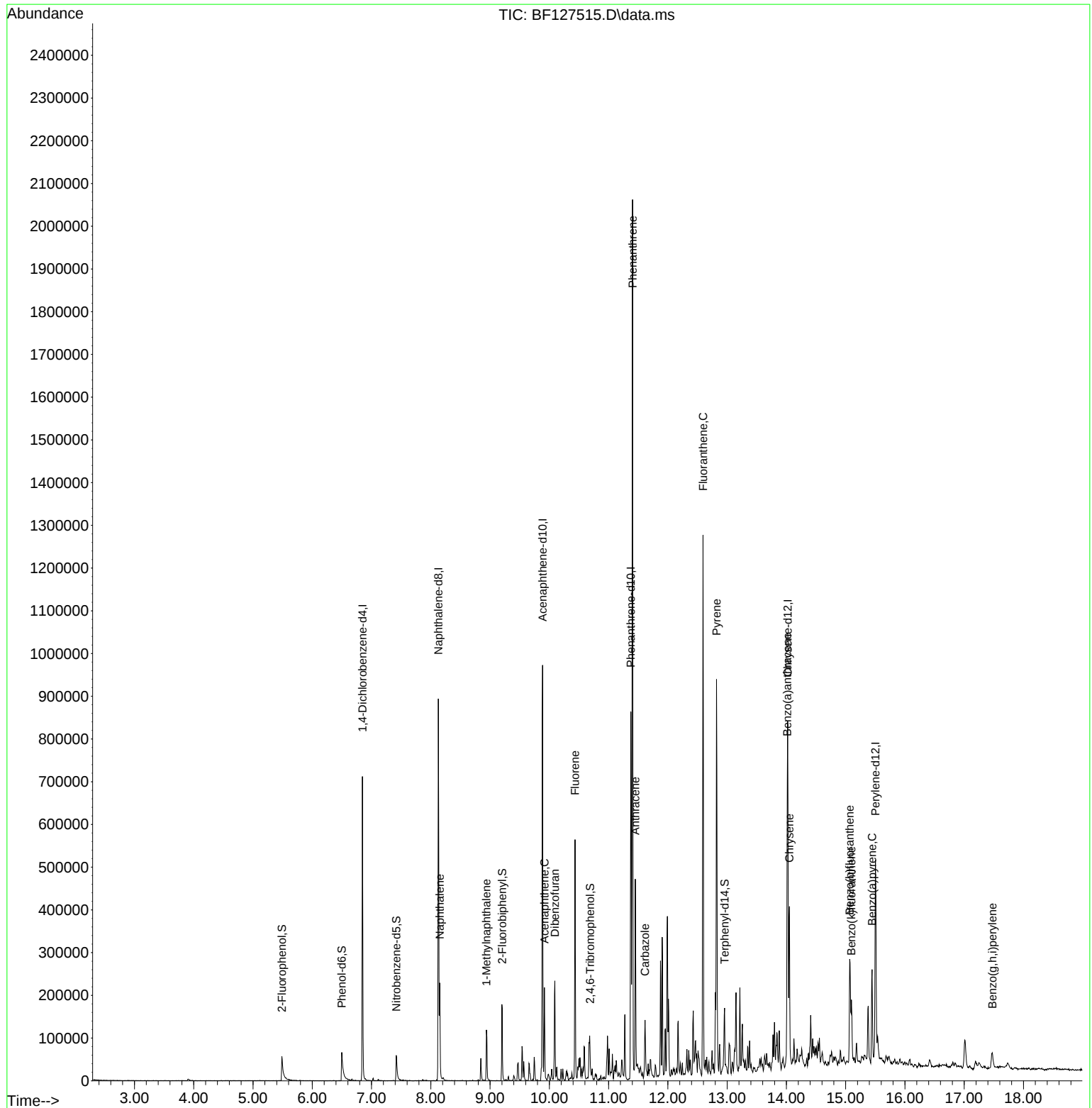
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032422\
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ALS Vial : 22 Sample Multiplier: 1

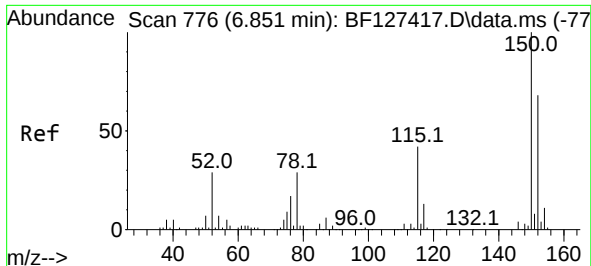
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Quant Time: Mar 25 02:16:38 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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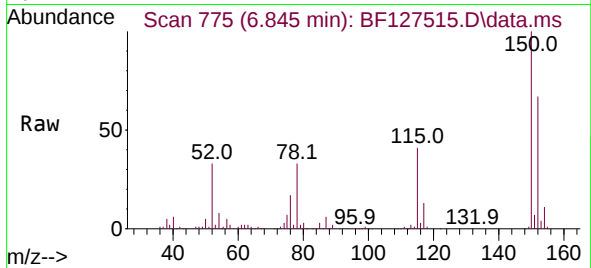
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

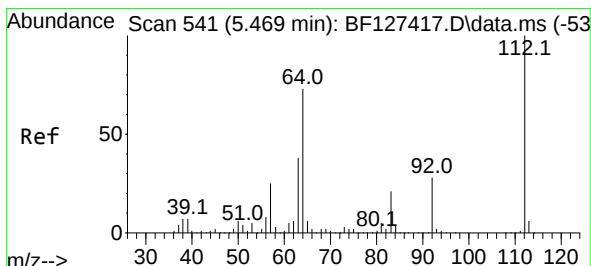
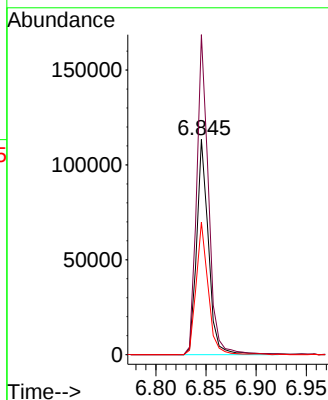
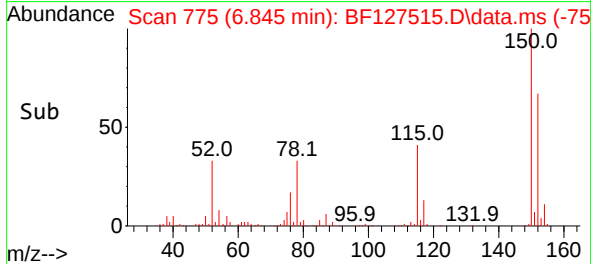
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL



Tgt Ion:152 Resp: 92791
Ion Ratio Lower Upper
152 100
150 148.7 117.2 175.8
115 61.5 49.8 74.6

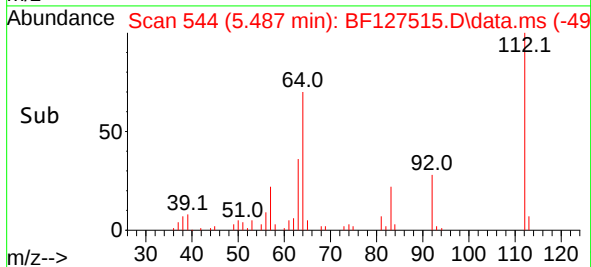
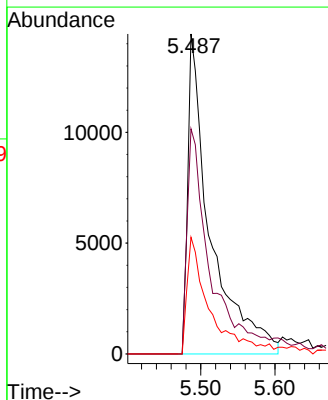
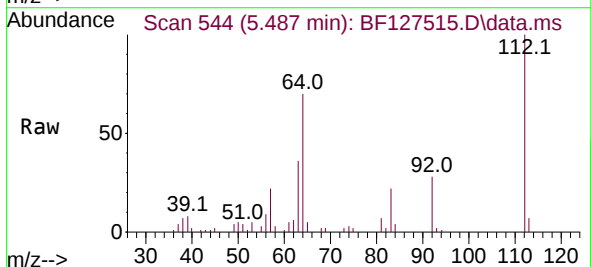
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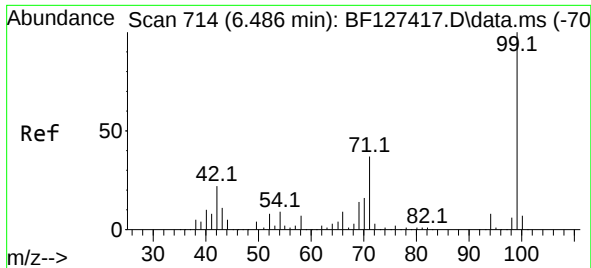
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#5
2-Fluorophenol
Concen: 5.242 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.018 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

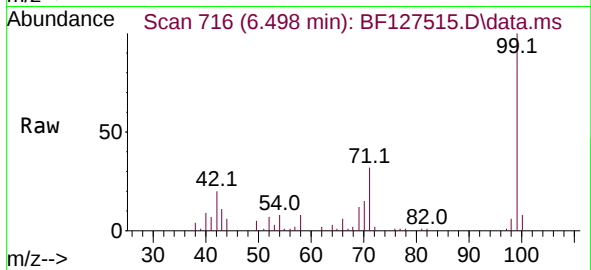
Tgt Ion:112 Resp: 30475
Ion Ratio Lower Upper
112 100
64 70.3 58.4 87.6
63 36.4 30.1 45.1





#7
Phenol-d6
Concen: 5.659 ng
RT: 6.498 min Scan# 714
Delta R.T. 0.012 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

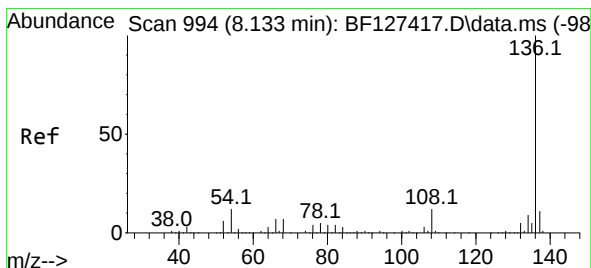
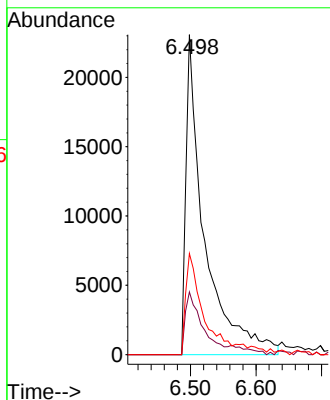
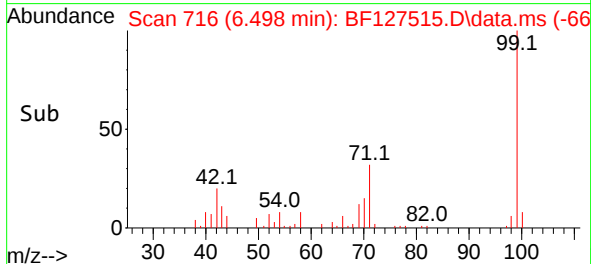
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C-13-12-13DL



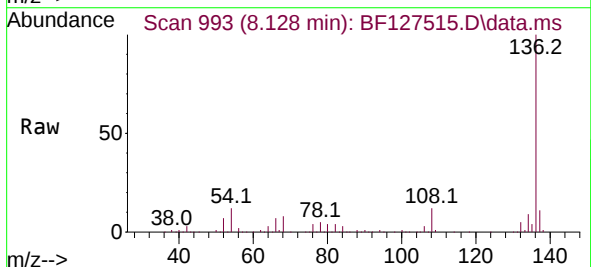
Tgt Ion: 99 Resp: 44976
Ion Ratio Lower Upper
99 100
42 19.6 17.8 26.6
71 31.6 29.6 44.4

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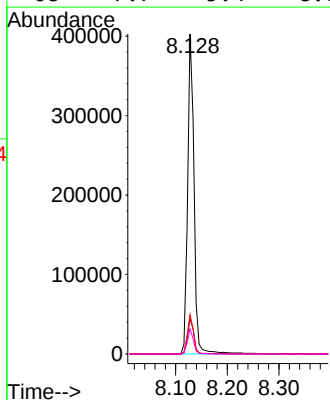
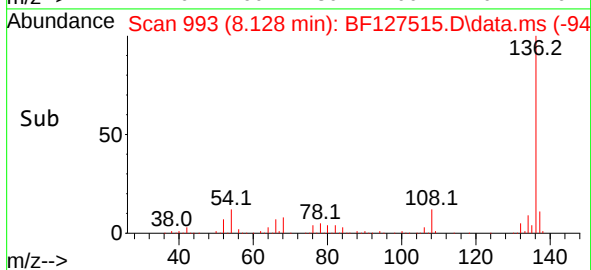
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

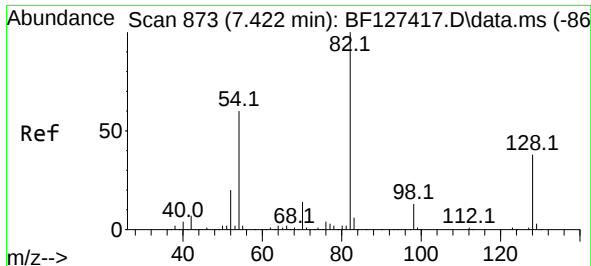


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14



Tgt Ion:136 Resp: 345124
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 12.2 9.2 13.8
68 7.7 5.4 8.0





#23

Nitrobenzene-d5

Concen: 3.504 ng

RT: 7.416 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127515.D

Acq: 24 Mar 2022 21:14

Instrument :

BNA_F

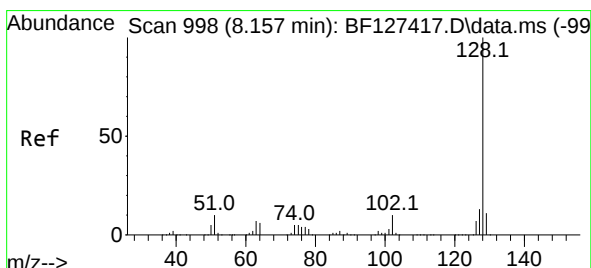
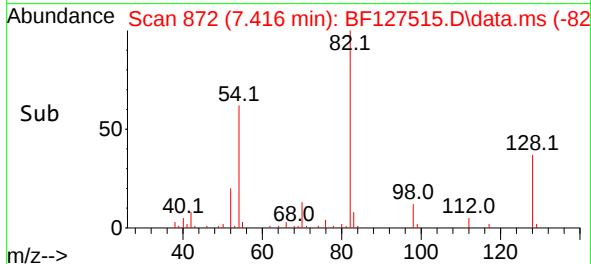
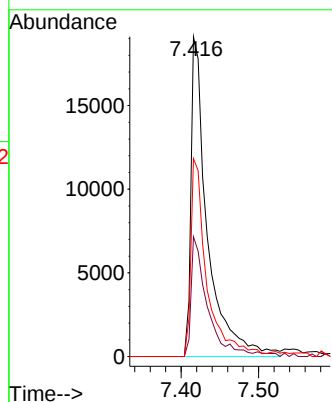
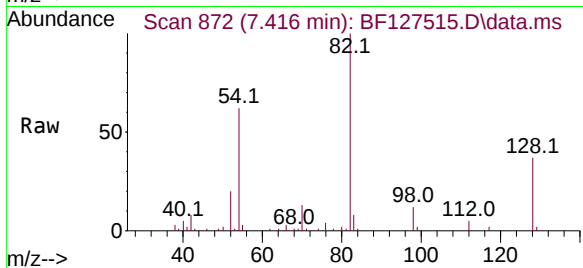
ClientSampleId :

C-13-12-13DL

Tgt Ion: 82 Resp: 2828
 Ion Ratio Lower Upper
 82 100
 128 37.4 30.6 45.8
 54 61.9 48.2 72.2

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#31

Naphthalene

Concen: 4.662 ng

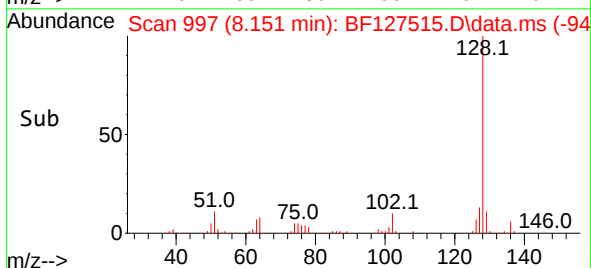
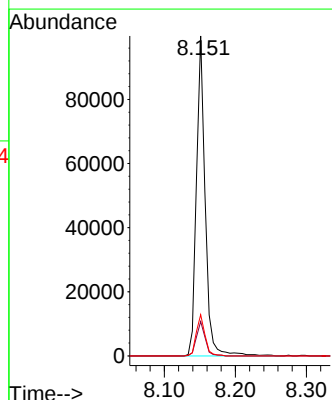
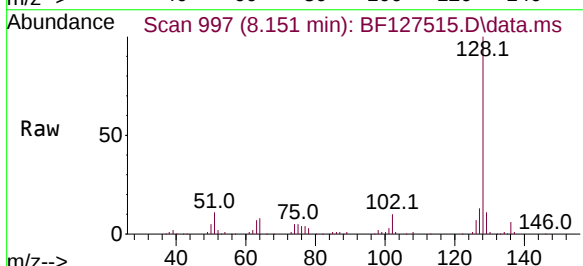
RT: 8.151 min Scan# 997

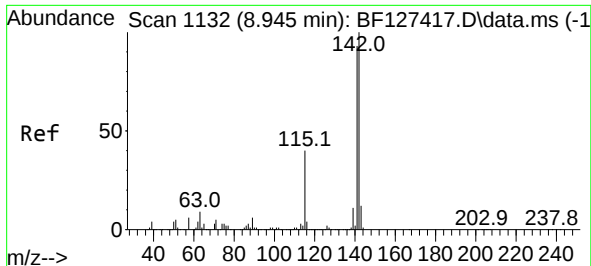
Delta R.T. -0.006 min

Lab File: BF127515.D

Acq: 24 Mar 2022 21:14

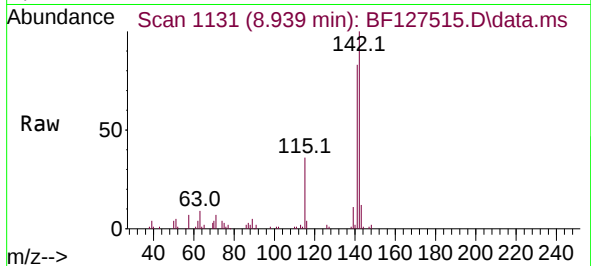
Tgt Ion:128 Resp: 85415
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.4 12.6
 127 12.9 10.2 15.2





#38
1-Methylnaphthalene
Concen: 2.854 ng
RT: 8.939 min Scan# 1132
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

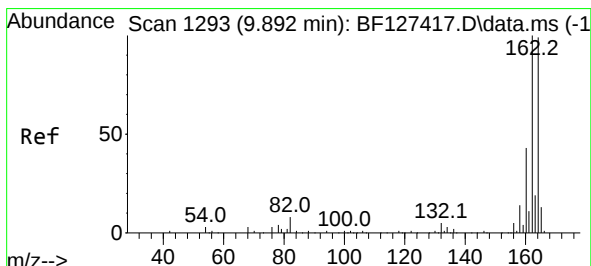
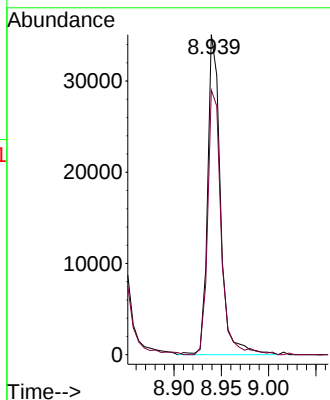
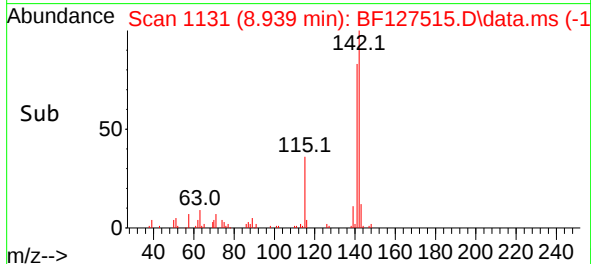
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL



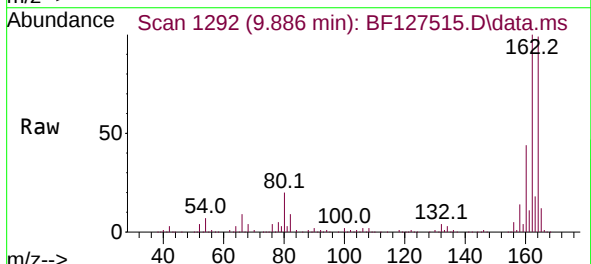
Tgt Ion:142 Resp: 3325
Ion Ratio Lower Upper
142 100
141 82.7 74.2 111.2

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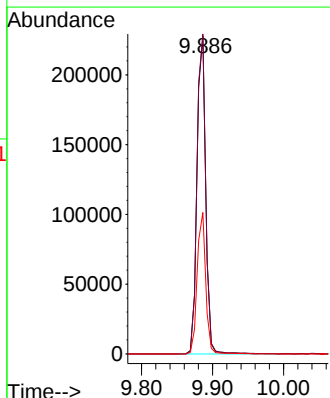
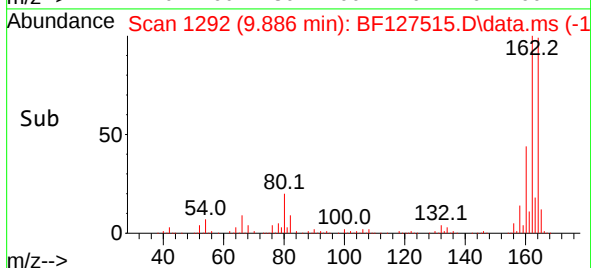
Reviewed By :Christian Giraldo 03/25/2022
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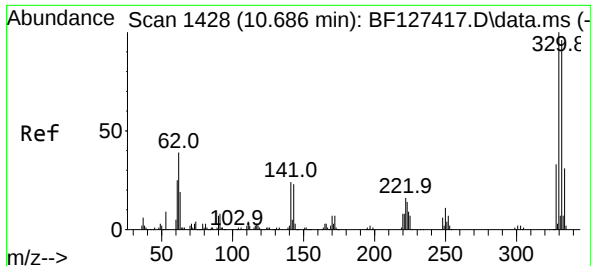


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14



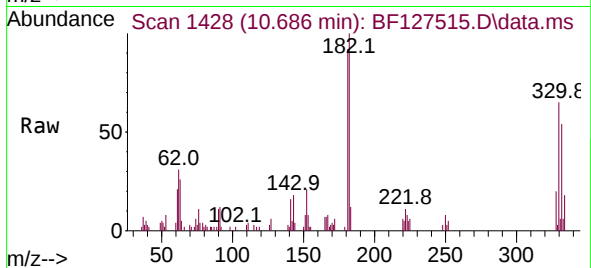
Tgt Ion:164 Resp: 192497
Ion Ratio Lower Upper
164 100
162 100.6 81.2 121.8
160 44.5 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 3.929 ng
RT: 10.686 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

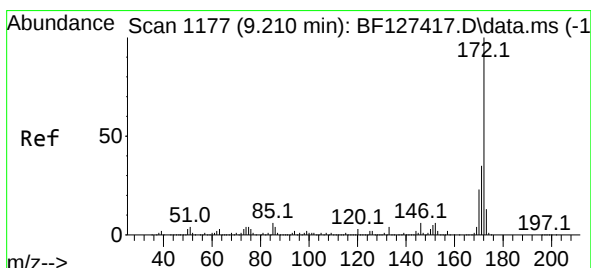
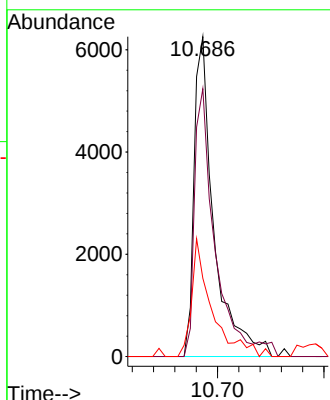
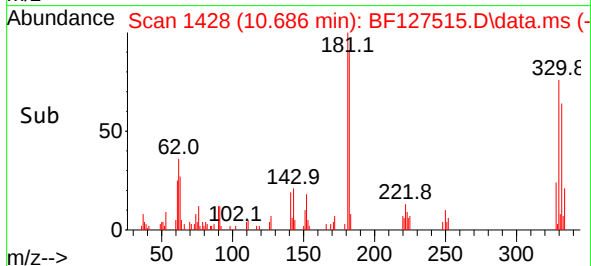
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL



Tgt Ion: 330 Resp: 805
Ion Ratio Lower Upper
330 100
332 83.6 79.1 118.7
141 37.6 26.2 39.4

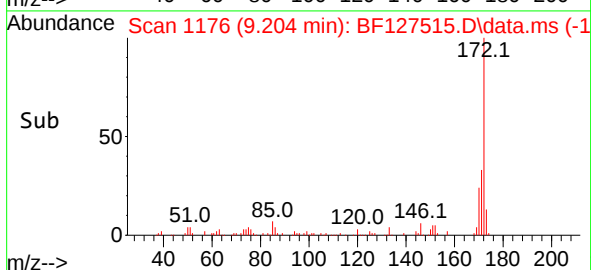
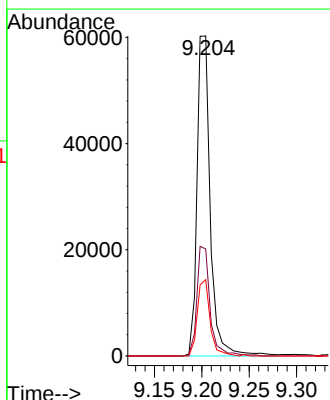
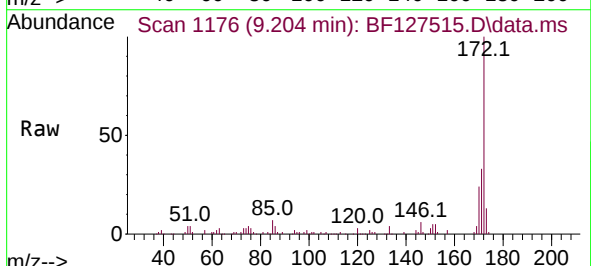
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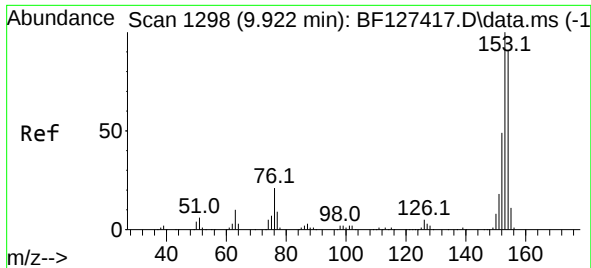
Reviewed By : Christian Giraldo 03/25/2022
Supervised By : Jagrut Upadhyay 03/25/2022



#45
2-Fluorobiphenyl
Concen: 4.430 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Tgt Ion: 172 Resp: 58404
Ion Ratio Lower Upper
172 100
171 33.4 28.4 42.6
170 23.8 18.6 27.8





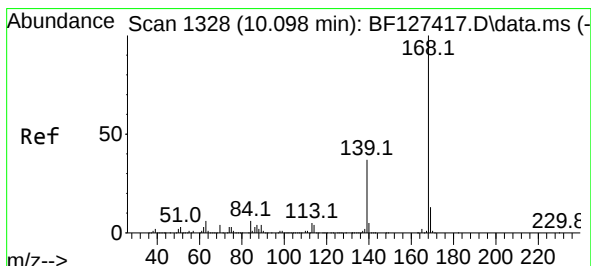
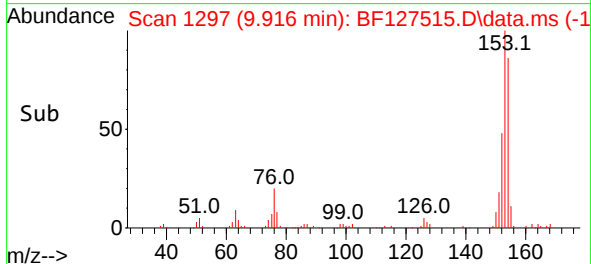
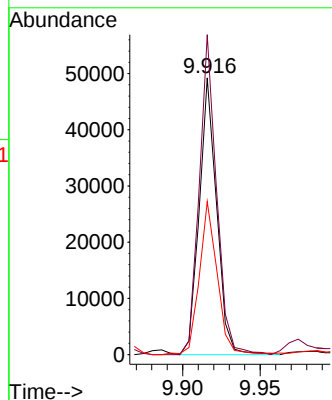
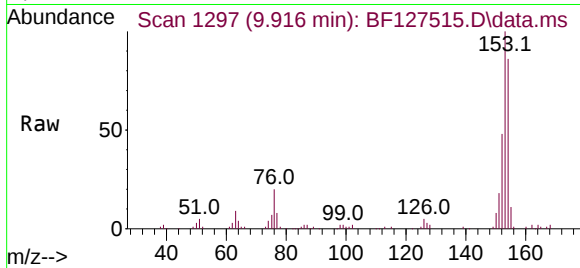
#52
Acenaphthene
Concen: 3.837 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

Tgt Ion:154 Resp: 38743
Ion Ratio Lower Upper
154 100
153 115.6 87.6 131.4
152 55.3 42.9 64.3

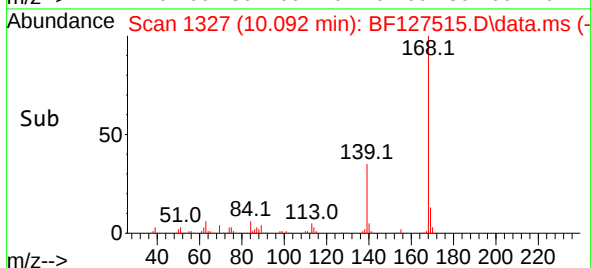
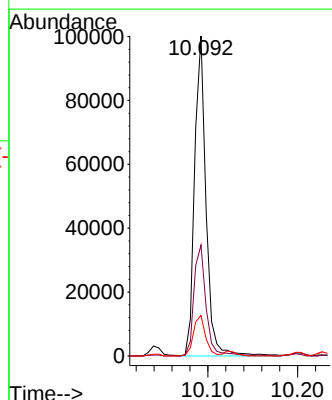
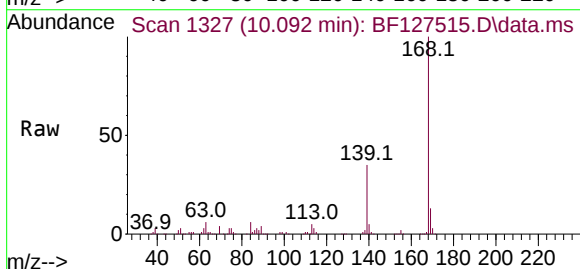
Manual Integrations
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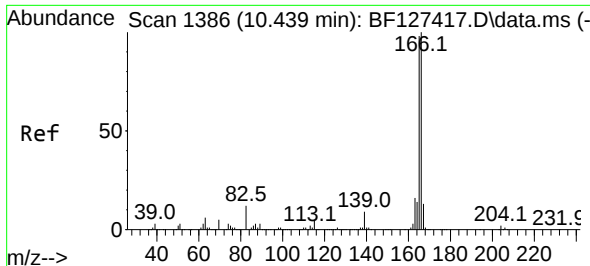
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#55
Dibenzofuran
Concen: 2.996 ng
RT: 10.092 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

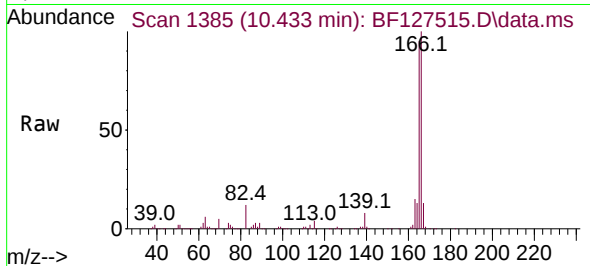
Tgt Ion:168 Resp: 88717
Ion Ratio Lower Upper
168 100
139 34.6 30.3 45.5
169 12.6 10.8 16.2





#58
Fluorene
Concen: 9.777 ng
RT: 10.433 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

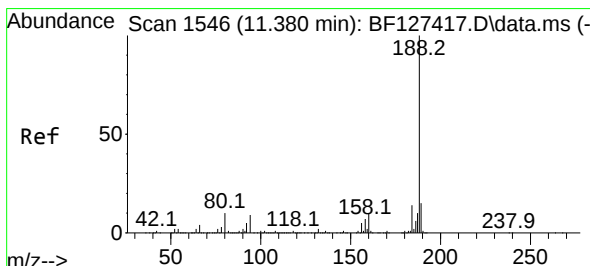
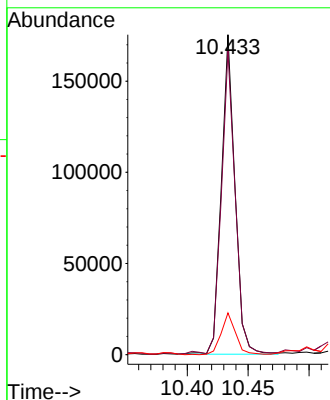
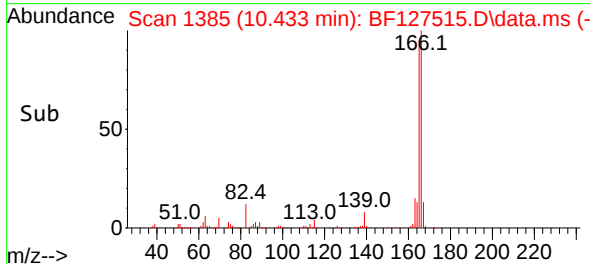
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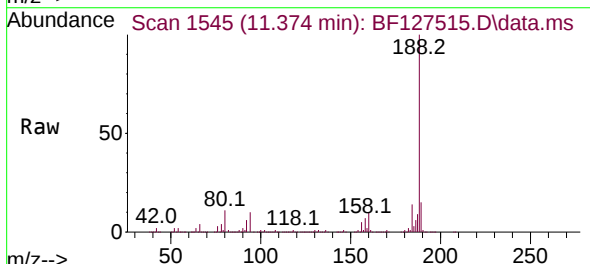
Tgt Ion:166 Resp: 136637
Ion Ratio Lower Upper
166 100
165 94.9 78.1 117.1
167 13.0 10.5 15.7

Manual Integrations
APPROVED

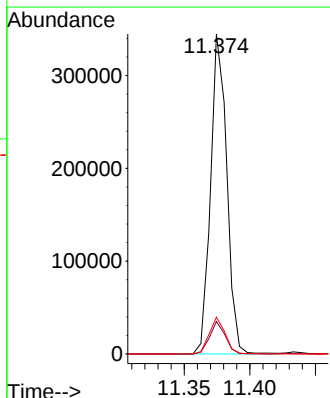
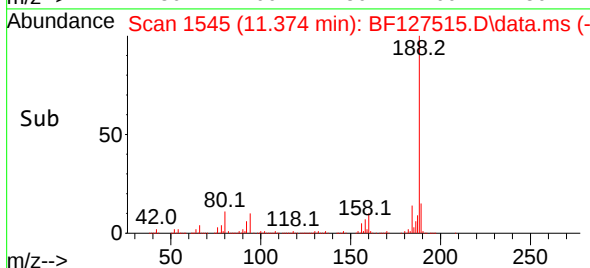
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

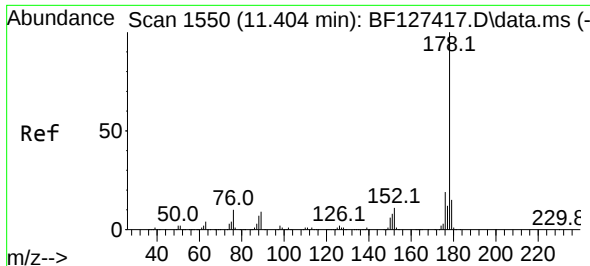


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14



Tgt Ion:188 Resp: 296801
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.0
80 11.5 8.0 12.0





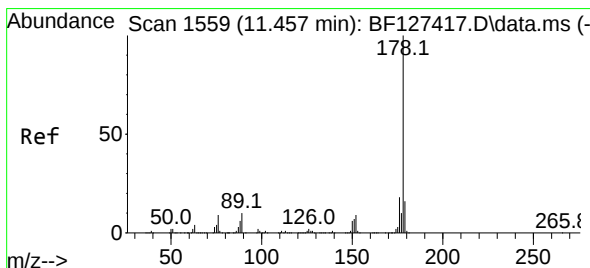
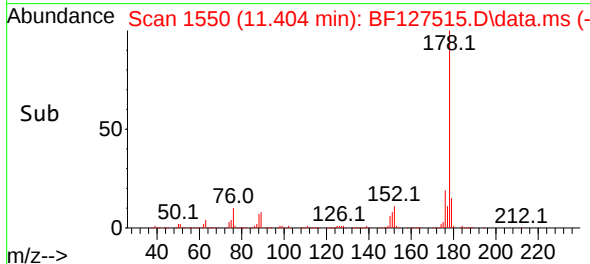
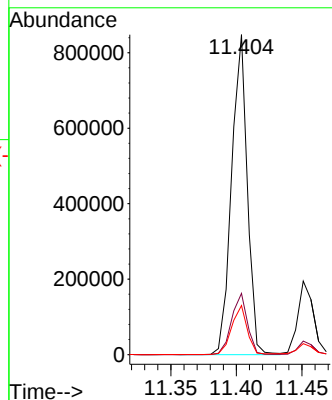
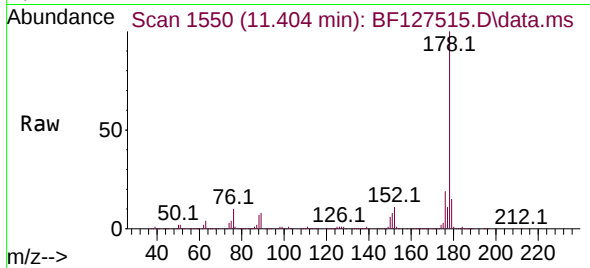
#71
Phenanthrene
Concen: 45.632 ng
RT: 11.404 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

Tgt Ion:178 Resp: 706083
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.3 12.4 18.6

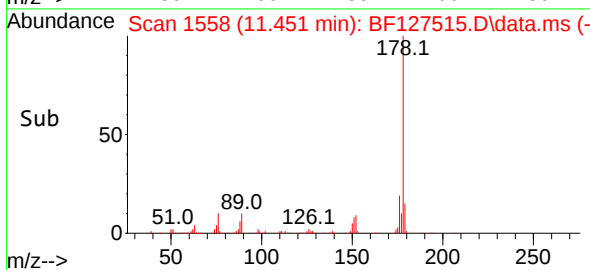
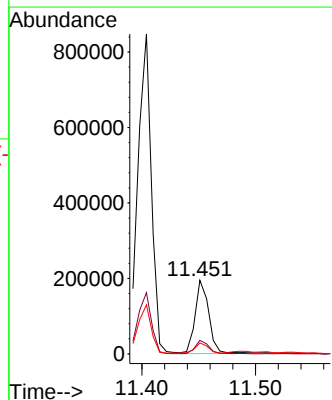
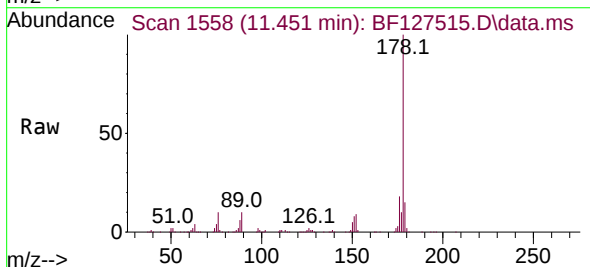
Manual Integrations
APPROVED

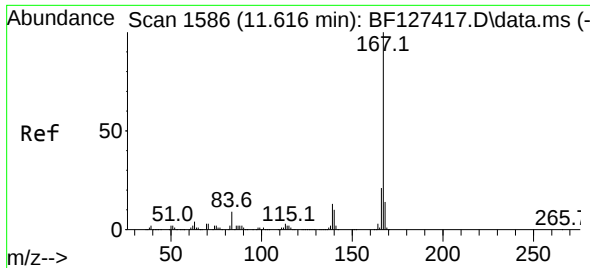
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#72
Anthracene
Concen: 10.693 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

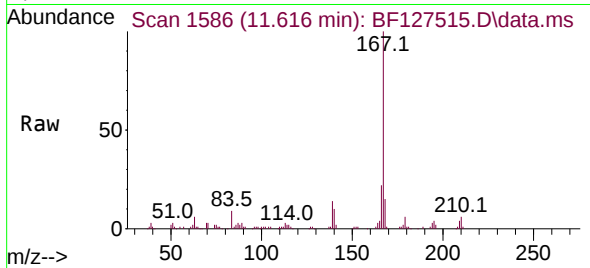
Tgt Ion:178 Resp: 164197
Ion Ratio Lower Upper
178 100
176 18.5 14.6 22.0
179 14.9 12.4 18.6





#73
 Carbazole
 Concen: 2.964 ng
 RT: 11.616 min Scan# 1586
 Delta R.T. 0.000 min
 Lab File: BF127515.D
 Acq: 24 Mar 2022 21:14

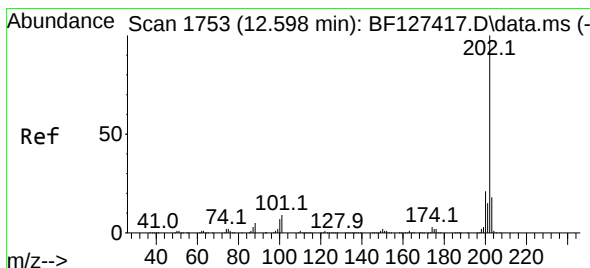
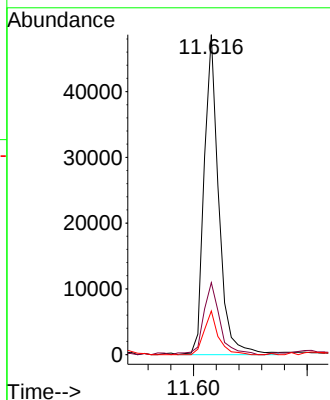
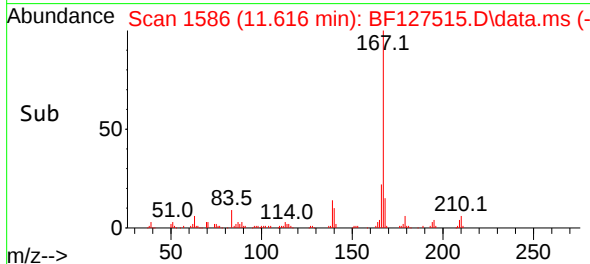
Instrument :
 BNA_F
 ClientSampleId :
 C-13-12-13DL



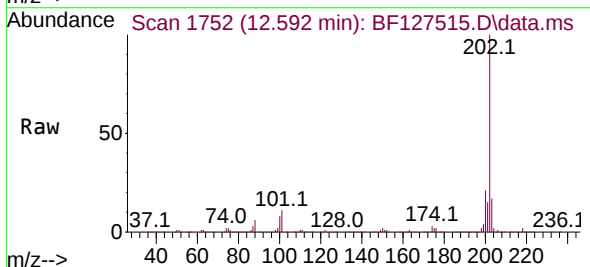
Tgt Ion:167 Resp: 4352
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.0 25.4
 139 13.6 10.5 15.7

Manual Integrations
 APPROVED

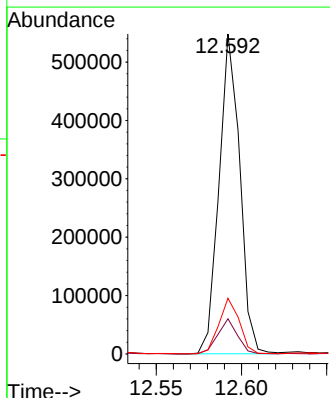
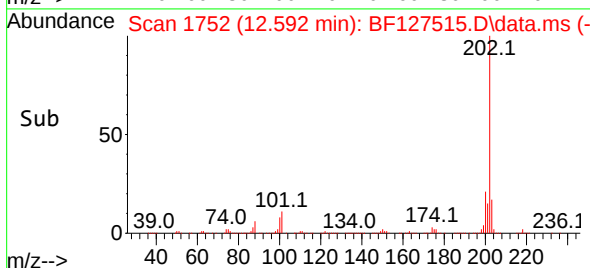
Reviewed By :Christian Giraldo 03/25/2022
 Supervised By :Jagrut Upadhyay 03/25/2022

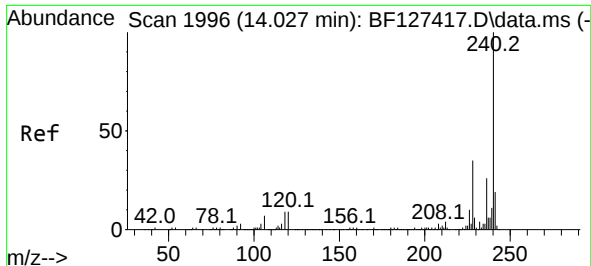


#75
 Fluoranthene
 Concen: 27.232 ng
 RT: 12.592 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: BF127515.D
 Acq: 24 Mar 2022 21:14



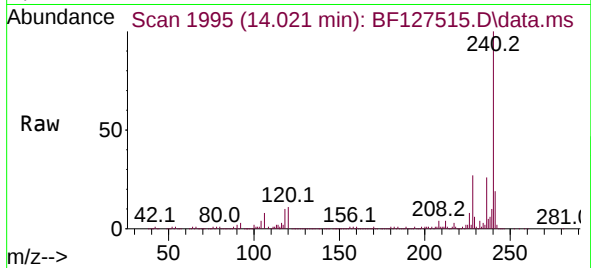
Tgt Ion:202 Resp: 463472
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 29.0
 203 17.4 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

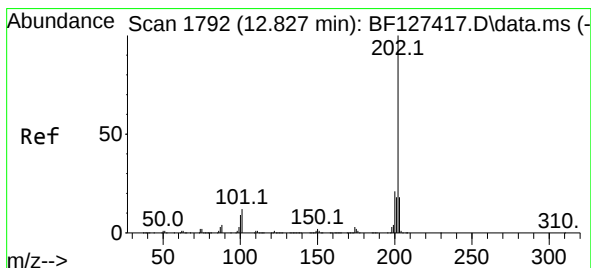
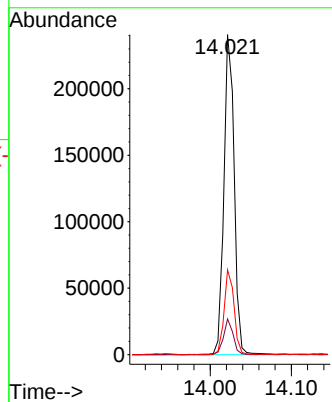
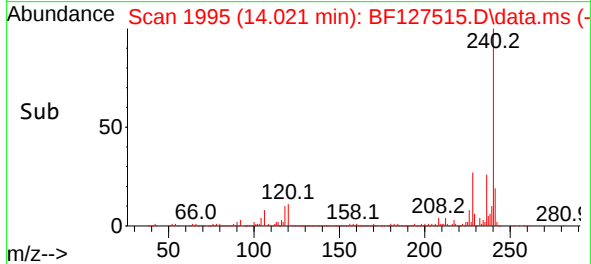
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL



Tgt Ion:240 Resp: 211010
Ion Ratio Lower Upper
240 100
120 11.1 7.1 10.7
236 26.5 20.7 31.1

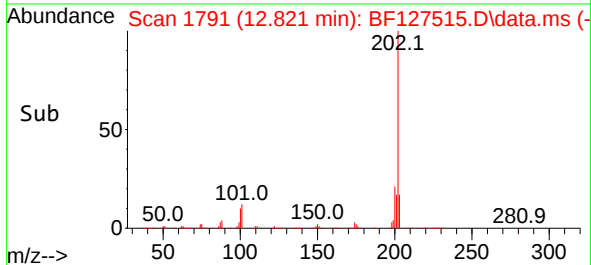
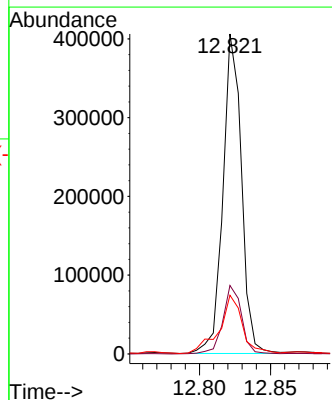
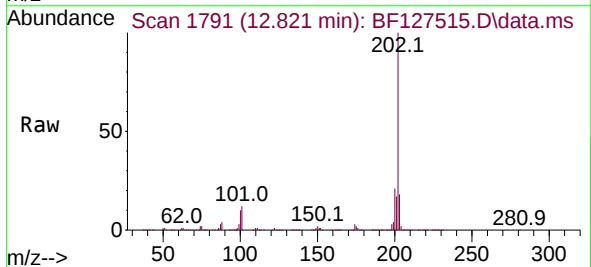
Manual Integrations
APPROVED

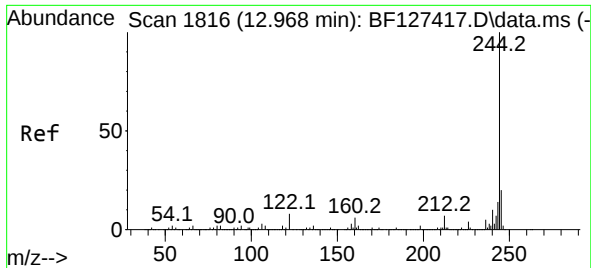
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#78
Pyrene
Concen: 20.321 ng
RT: 12.821 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

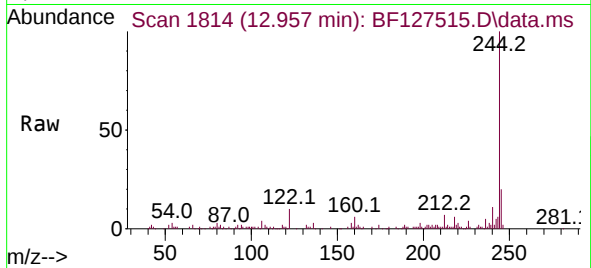
Tgt Ion:202 Resp: 367999
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 18.3 14.3 21.5





#79
 Terphenyl-d14
 Concen: 3.498 ng
 RT: 12.957 min Scan# 1816
 Delta R.T. -0.012 min
 Lab File: BF127515.D
 Acq: 24 Mar 2022 21:14

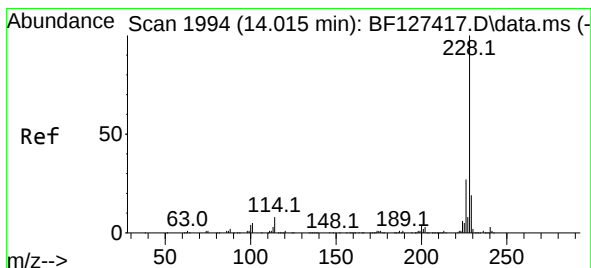
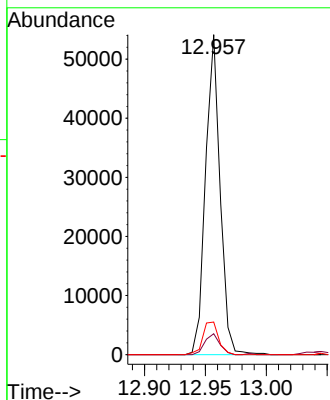
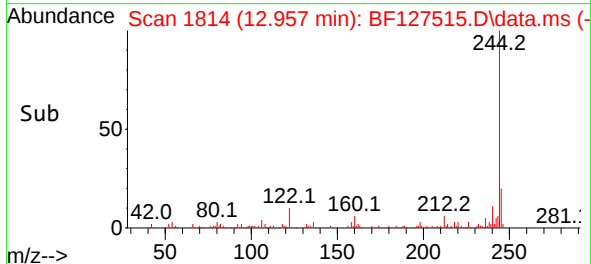
Instrument :
 BNA_F
 ClientSampleId :
 C-13-12-13DL



Tgt Ion:244 Resp: 45095
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 10.2 6.2 9.2

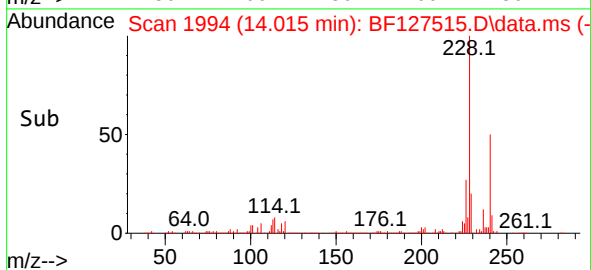
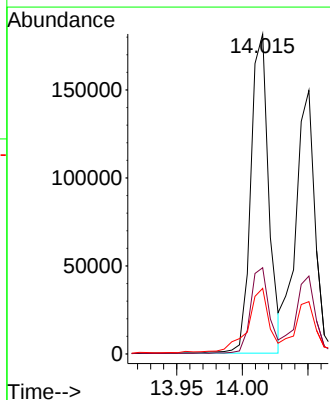
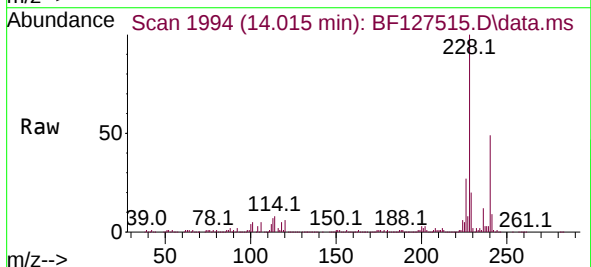
Manual Integrations
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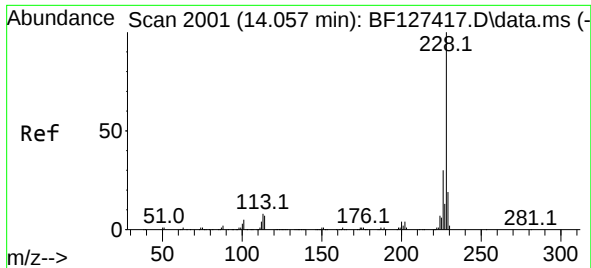
Reviewed By :Christian Giraldo 03/25/2022
 Supervised By :Jagrut Upadhyay 03/25/2022



#81
 Benzo(a)anthracene
 Concen: 12.224 ng
 RT: 14.015 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: BF127515.D
 Acq: 24 Mar 2022 21:14

Tgt Ion:228 Resp: 172496
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.6 32.4
 229 20.5 15.4 23.2





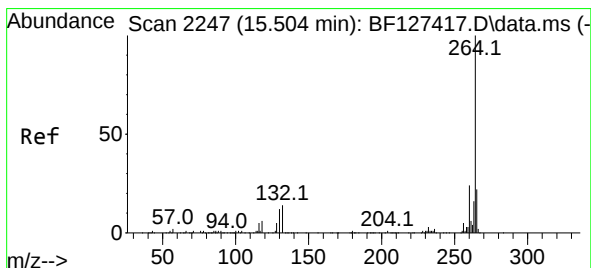
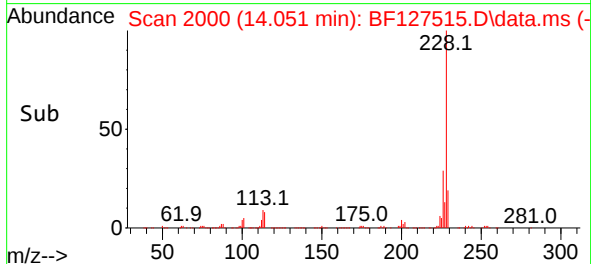
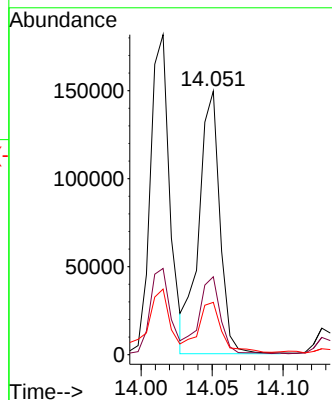
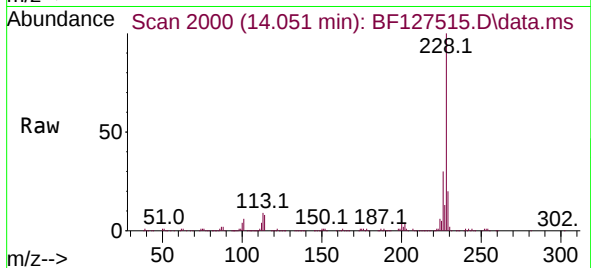
#83
Chrysene
Concen: 11.514 ng
RT: 14.051 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

Tgt Ion:228 Resp: 153854
Ion Ratio Lower Upper
228 100
226 29.6 24.2 36.4
229 19.8 15.4 23.2

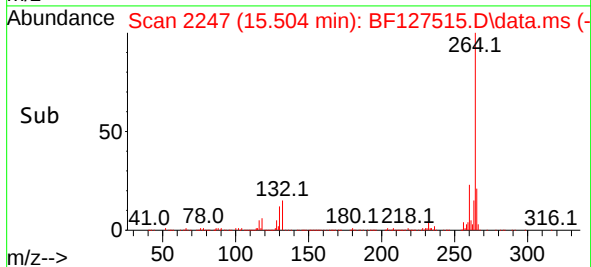
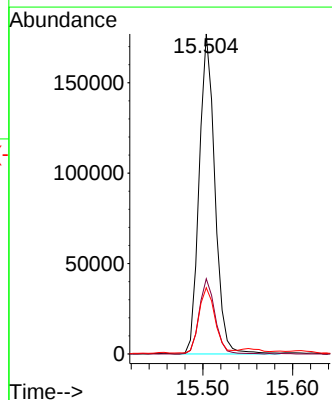
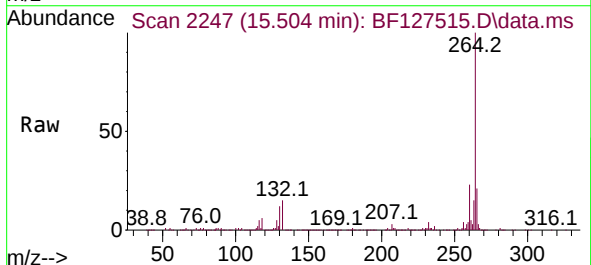
Manual Integrations
APPROVED

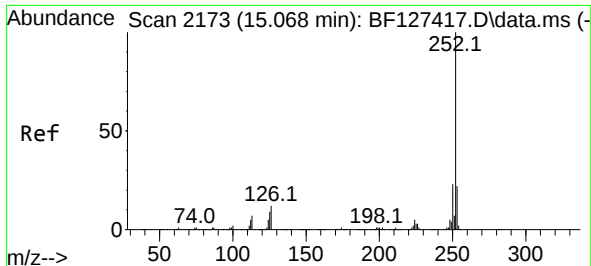
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2247
Delta R.T. 0.000 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

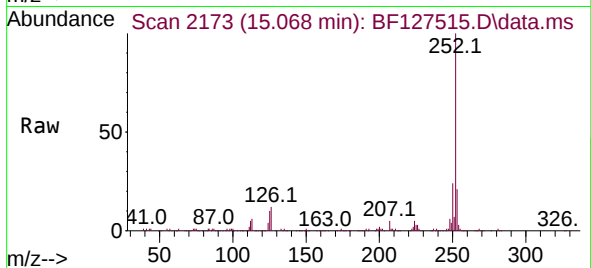
Tgt Ion:264 Resp: 215395
Ion Ratio Lower Upper
264 100
260 23.5 19.1 28.7
265 20.7 17.4 26.2





#88
Benzo(b)fluoranthene
Concen: 11.073 ng m
RT: 15.068 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

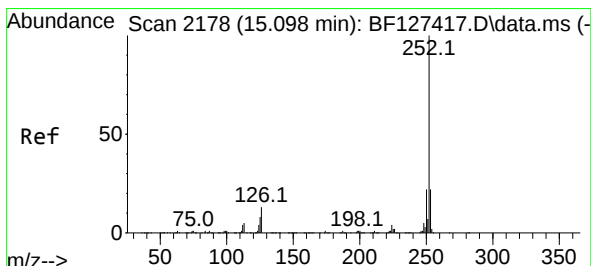
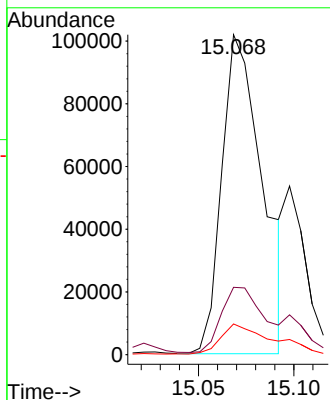
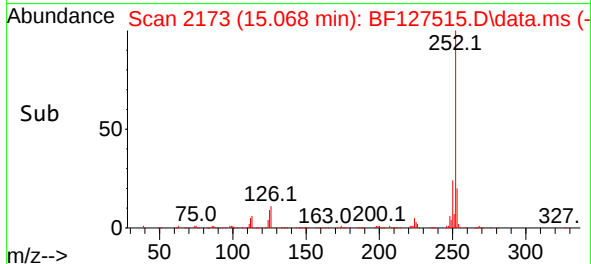
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL



Tgt Ion:252 Resp: 150383
Ion Ratio Lower Upper
252 100
253 21.0 17.9 26.9
125 9.6 7.0 10.4

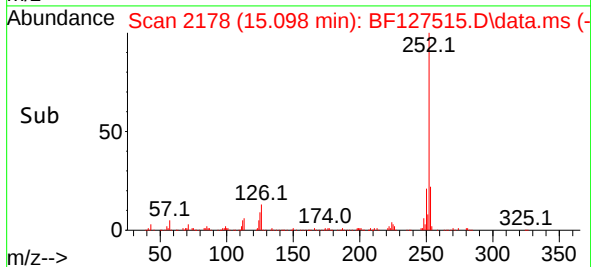
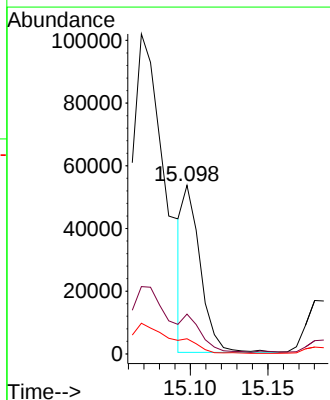
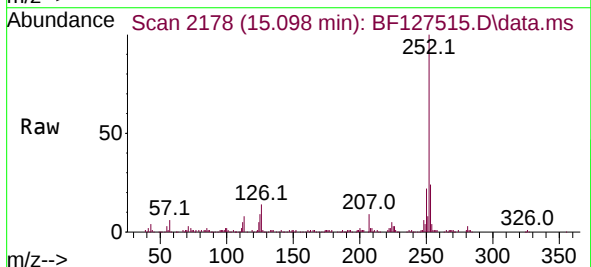
Manual Integrations
APPROVED

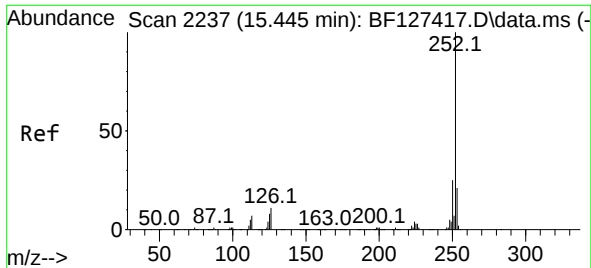
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#89
Benzo(k)fluoranthene
Concen: 2.952 ng m
RT: 15.098 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Tgt Ion:252 Resp: 41559
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 9.0 6.9 10.3





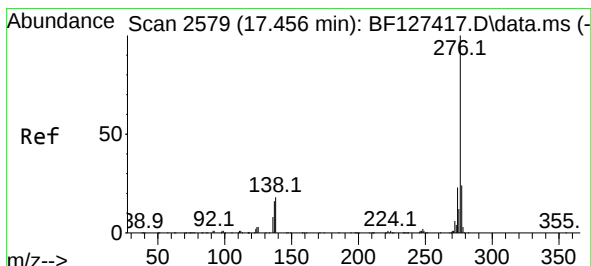
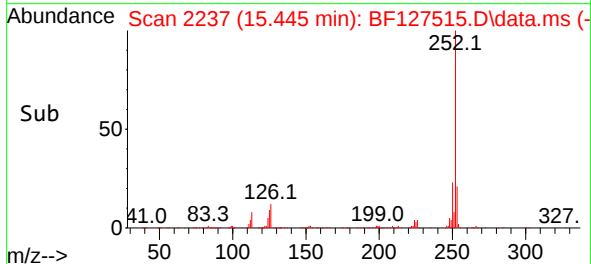
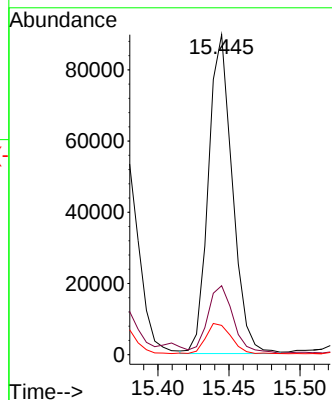
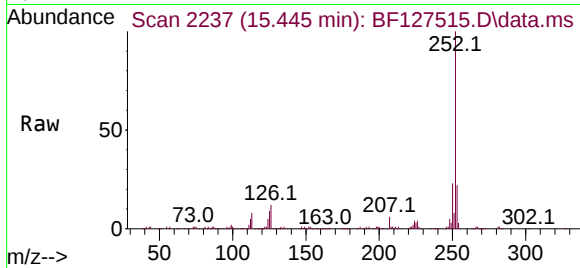
#90
Benzo(a)pyrene
Concen: 9.446 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

Tgt Ion:252 Resp: 105280
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.6
125 9.1 6.7 10.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#92
Benzo(g,h,i)perylene
Concen: 2.654 ng
RT: 17.474 min Scan# 2582
Delta R.T. 0.018 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Tgt Ion:276 Resp: 33008
Ion Ratio Lower Upper
276 100
277 22.0 19.0 28.4
138 17.5 14.6 22.0

