

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032422\
 Data File : BF127514.D
 Acq On : 24 Mar 2022 20:45
 Operator : CG\JU
 Sample : N1958-12DL 25X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-12-11-12DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 25 02:16:31 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	86763	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	317181	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	173017	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	254841	20.000	ng	0.00
76) Chrysene-d12	14.021	240	207243	20.000	ng	0.00
86) Perylene-d12	15.504	264	212815	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	23746	4.369	ng	0.02
7) Phenol-d6	6.504	99	34379	4.627	ng	0.02
23) Nitrobenzene-d5	7.422	82	20658	2.784	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	4753	2.579	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	41903	3.537	ng	-0.01
79) Terphenyl-d14	12.957	244	32045	2.531	ng	-0.01
Target Compounds					Qvalue	
31) Naphthalene	8.151	128	116298	6.906	ng	100
37) 2-Methylnaphthalene	8.845	142	39507	3.649	ng	96
38) 1-Methylnaphthalene	8.939	142	38112	3.560	ng	97
52) Acenaphthene	9.916	154	45366	4.998	ng	98
58) Fluorene	10.433	166	73199	4.790	ng	97
71) Phenanthrene	11.398	178	435988	32.816	ng	100
72) Anthracene	11.451	178	114892	8.714	ng	98
73) Carbazole	11.616	167	29227	2.318	ng	96
75) Fluoranthene	12.592	202	264243	18.083	ng	99
78) Pyrene	12.821	202	254091	14.286	ng	99
81) Benzo(a)anthracene	14.010	228	111259	8.028	ng	99
83) Chrysene	14.051	228	95396	7.269	ng	98
88) Benzo(b)fluoranthene	15.068	252	96336m	7.179	ng	
90) Benzo(a)pyrene	15.445	252	77363	7.025	ng	98

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

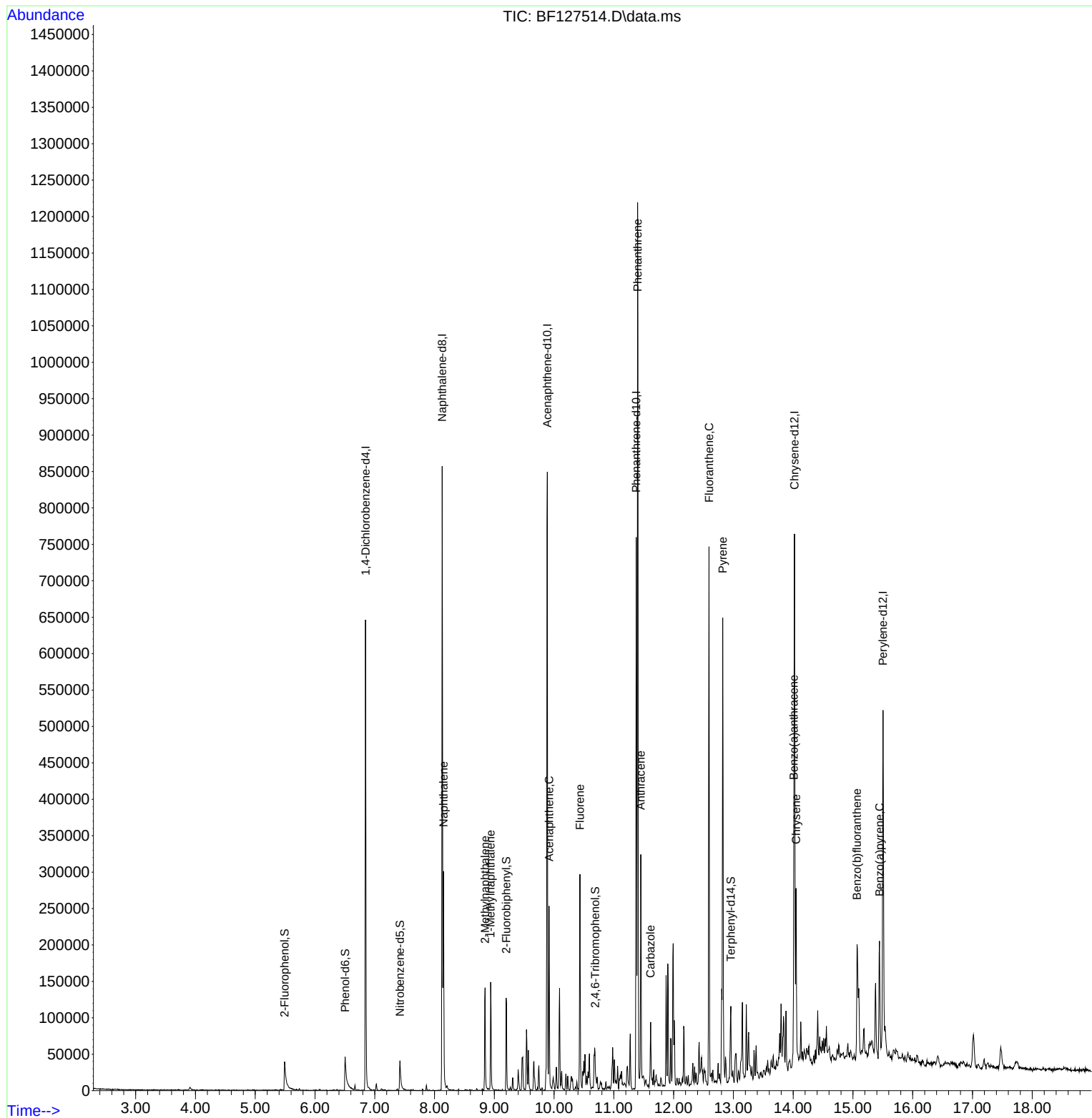
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032422\
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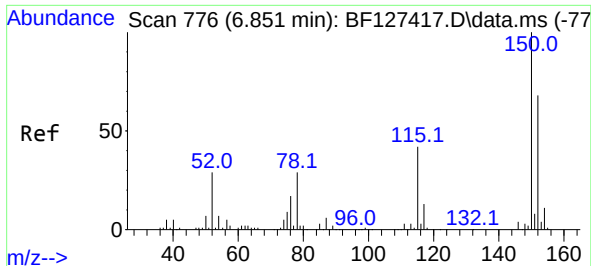
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
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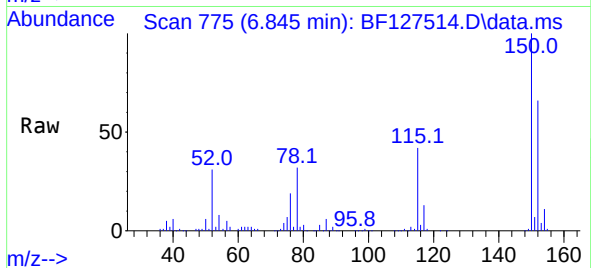
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

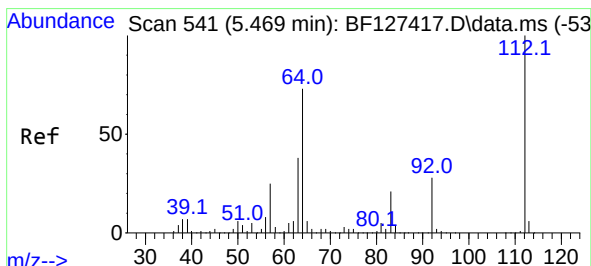
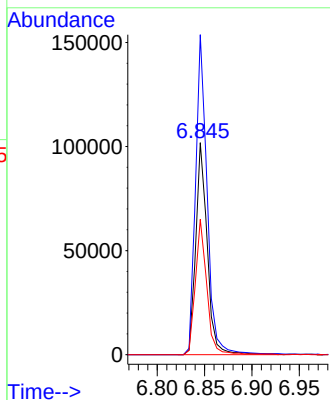
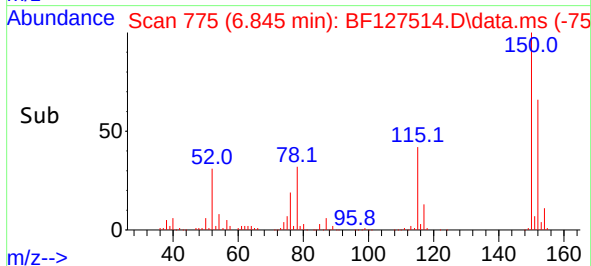
Instrument :
BNA_F
ClientSampleId :
C-12-11-12DL



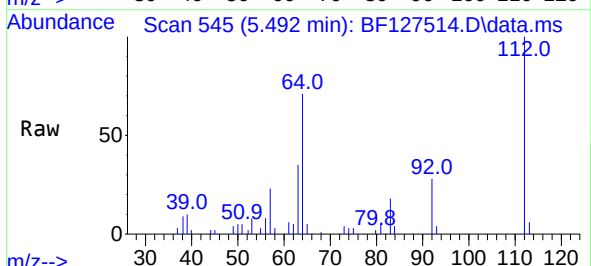
Tgt Ion:152 Resp: 8676
Ion Ratio Lower Upper
152 100
150 151.0 117.2 175.8
115 63.8 49.8 74.6

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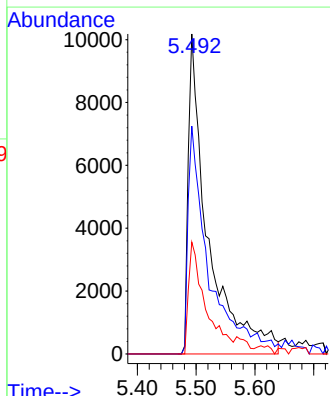
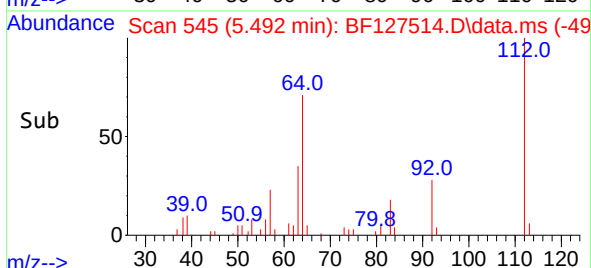
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

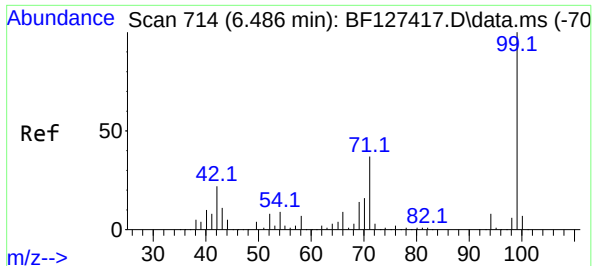


#5
2-Fluorophenol
Concen: 4.369 ng
RT: 5.492 min Scan# 545
Delta R.T. 0.024 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45



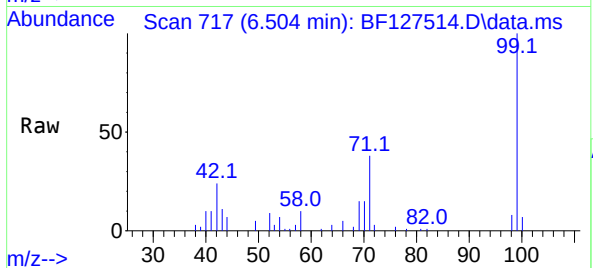
Tgt Ion:112 Resp: 23746
Ion Ratio Lower Upper
112 100
64 71.2 58.4 87.6
63 35.0 30.1 45.1





#7
Phenol-d6
Concen: 4.627 ng
RT: 6.504 min Scan# 714
Delta R.T. 0.018 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

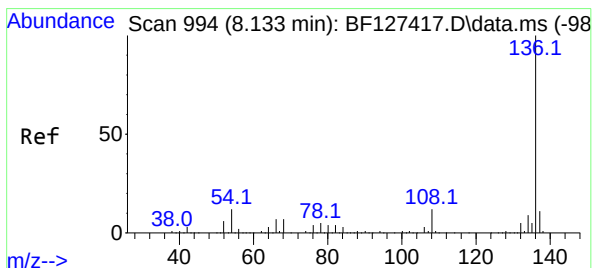
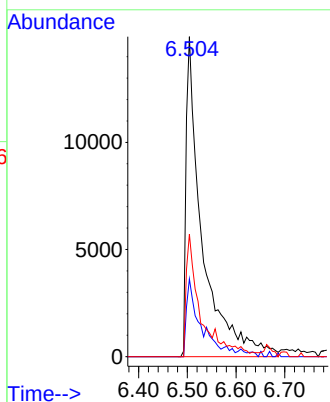
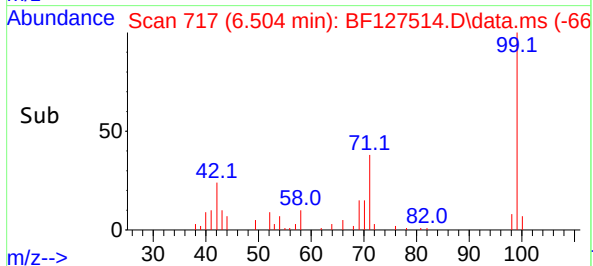
Instrument :
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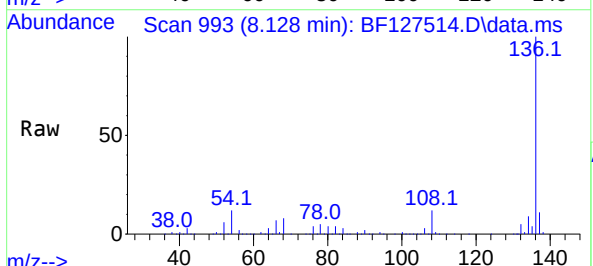
Tgt Ion: 99 Resp: 34379
Ion Ratio Lower Upper
99 100
42 24.3 17.8 26.6
71 38.3 29.6 44.4

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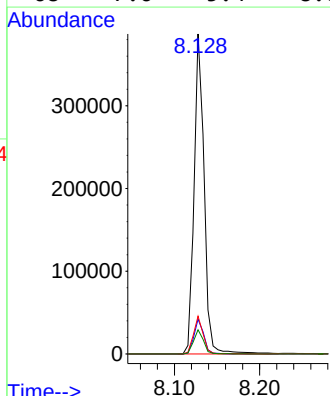
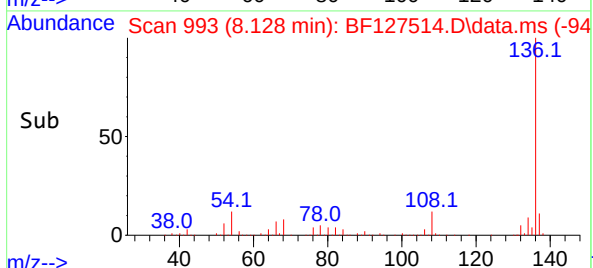
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

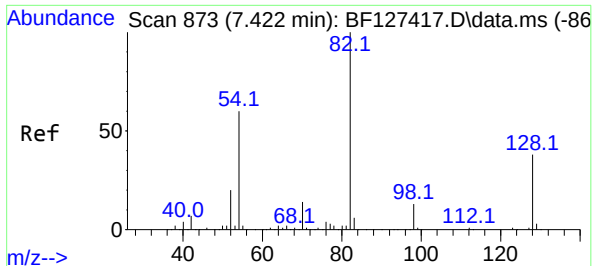


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45



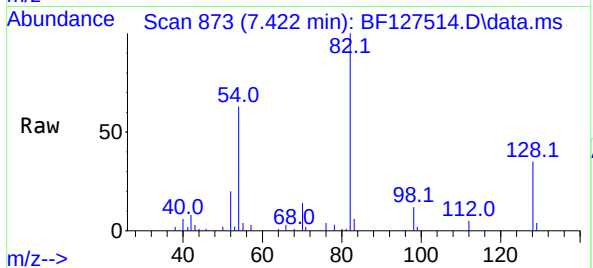
Tgt Ion:136 Resp: 317181
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 11.8 9.2 13.8
68 7.6 5.4 8.0





#23
Nitrobenzene-d5
Concen: 2.784 ng
RT: 7.422 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

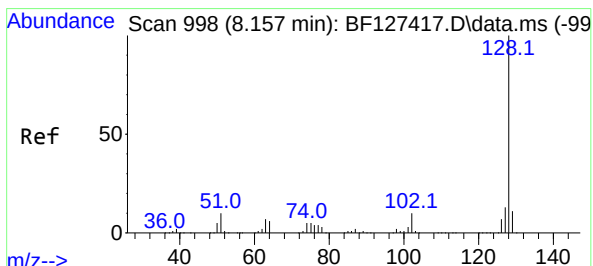
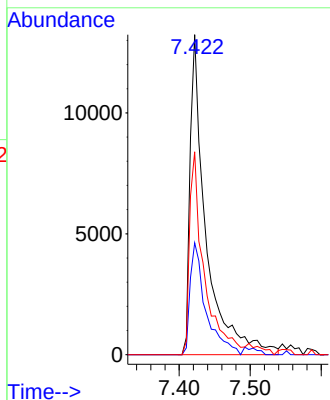
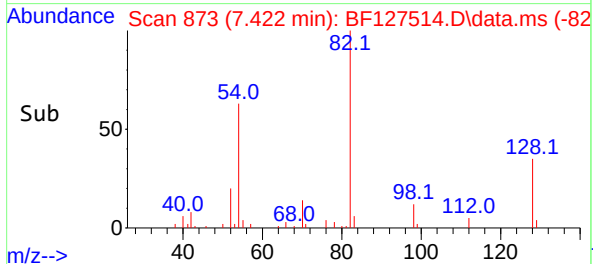
Instrument :
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ClientSampleId :
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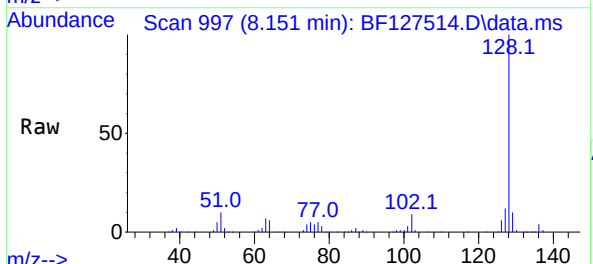
Tgt Ion: 82 Resp: 20658
Ion Ratio Lower Upper
82 100
128 35.0 30.6 45.8
54 63.4 48.2 72.2

Manual Integrations
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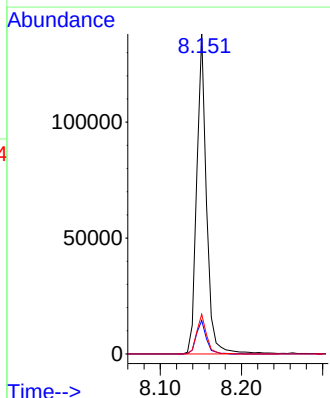
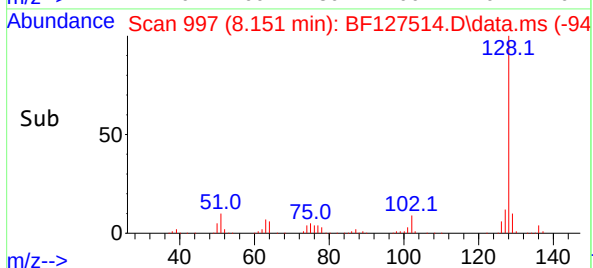
Reviewed By :Christian Giraldo 03/25/2022
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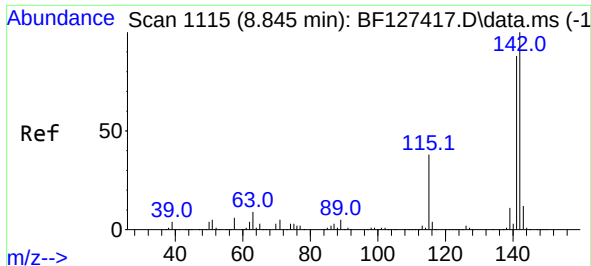


#31
Naphthalene
Concen: 6.906 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45



Tgt Ion:128 Resp: 116298
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 12.4 10.2 15.2





#37

2-Methylnaphthalene

Concen: 3.649 ng

RT: 8.845 min Scan# 1115

Delta R.T. 0.000 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

ClientSampleId :

C-12-11-12DL

Tgt Ion:142 Resp: 3950

Ion Ratio Lower Upper

142 100

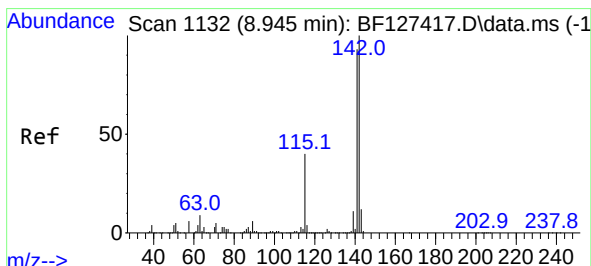
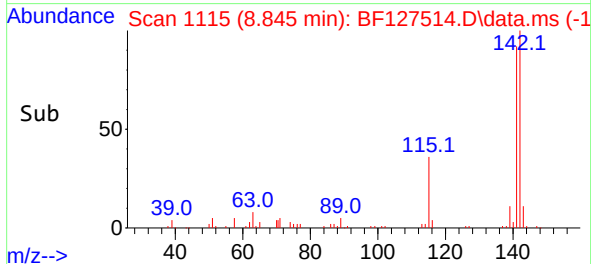
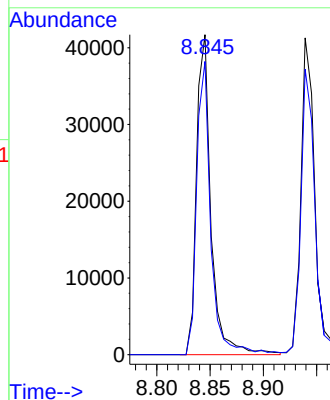
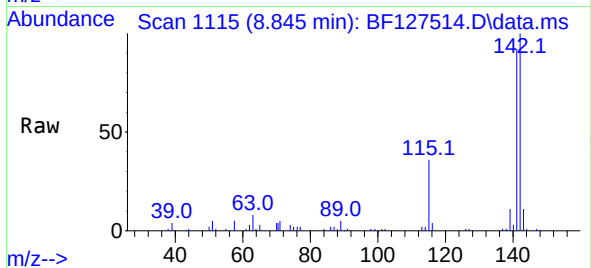
141 91.7 70.6 106.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/25/2022

Supervised By :Jagrut Upadhyay 03/25/2022



#38

1-Methylnaphthalene

Concen: 3.560 ng

RT: 8.939 min Scan# 1131

Delta R.T. -0.006 min

Lab File: BF127514.D

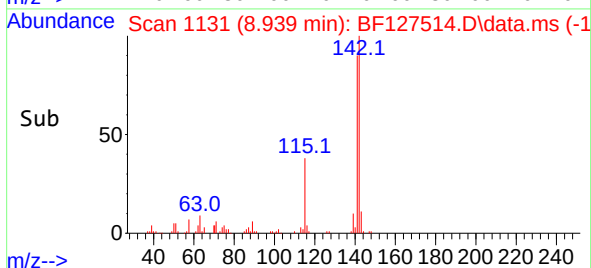
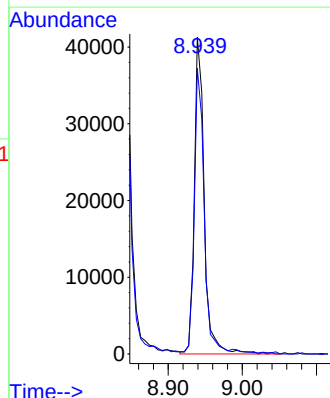
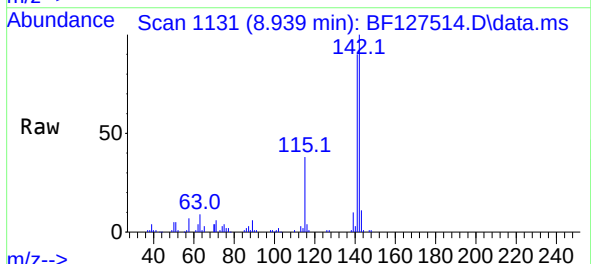
Acq: 24 Mar 2022 20:45

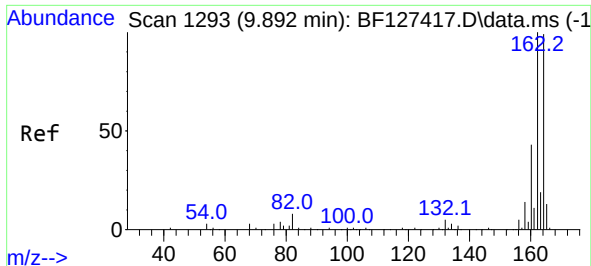
Tgt Ion:142 Resp: 38112

Ion Ratio Lower Upper

142 100

141 90.1 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: BF127514.D

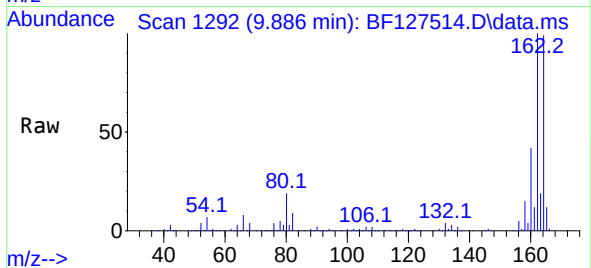
Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

ClientSampleId :

C-12-11-12DL



Tgt Ion:164 Resp: 17301

Ion Ratio Lower Upper

164 100

162 101.5 81.2 121.8

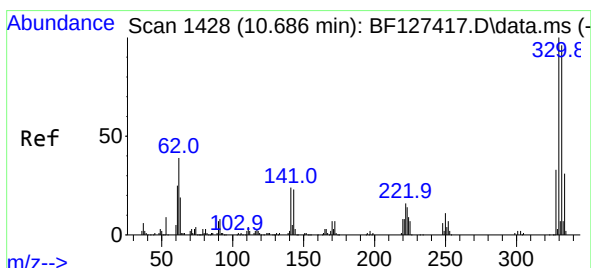
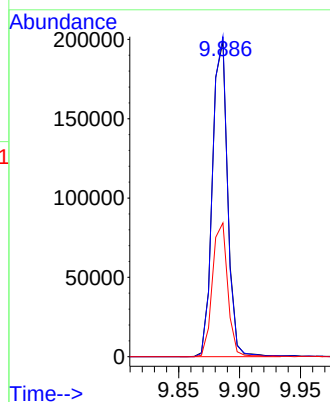
160 42.5 34.6 52.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/25/2022

Supervised By :Jagrut Upadhyay 03/25/2022



#42

2,4,6-Tribromophenol

Concen: 2.579 ng

RT: 10.686 min Scan# 1428

Delta R.T. 0.000 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

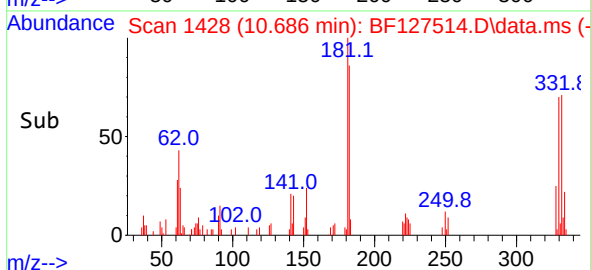
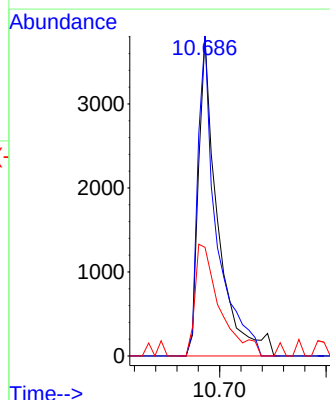
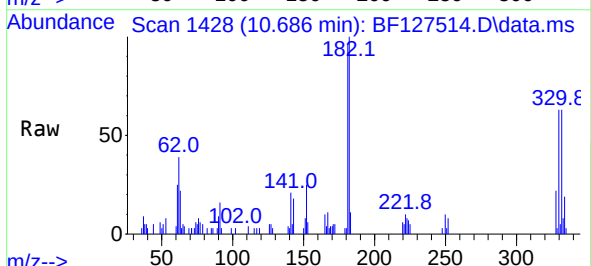
Tgt Ion:330 Resp: 4753

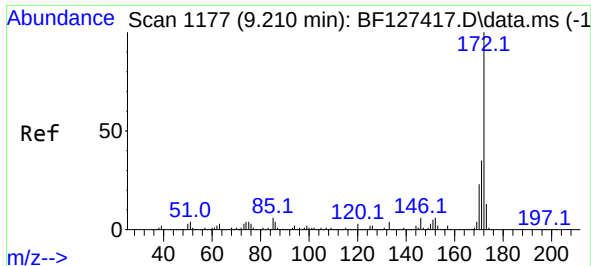
Ion Ratio Lower Upper

330 100

332 96.9 79.1 118.7

141 45.3 26.2 39.4#





#45
2-Fluorobiphenyl
Concen: 3.537 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

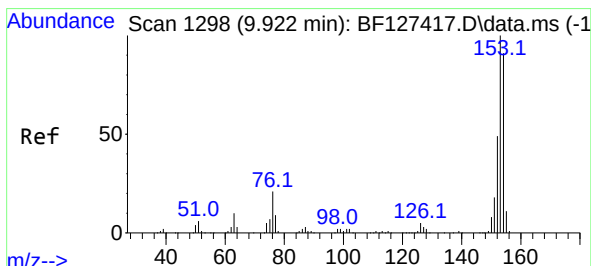
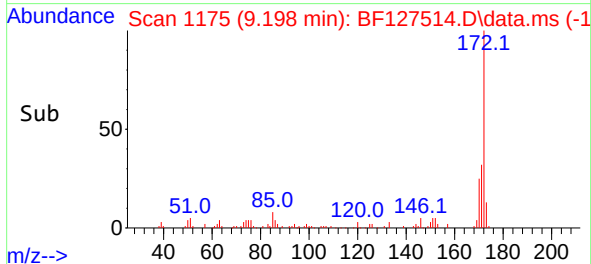
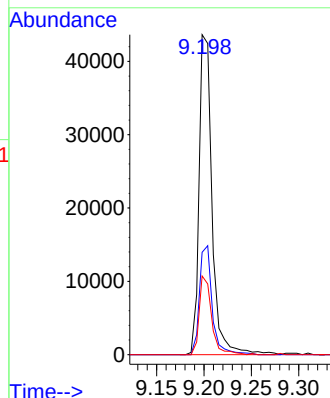
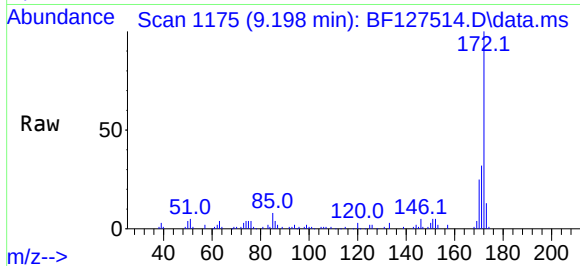
ClientSampleId :

C-12-11-12DL

Tgt Ion:172 Resp: 4190
Ion Ratio Lower Upper
172 100
171 32.0 28.4 42.6
170 24.6 18.6 27.8

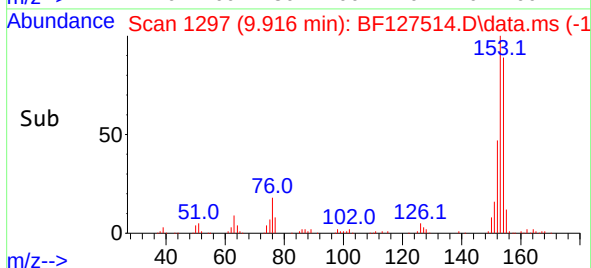
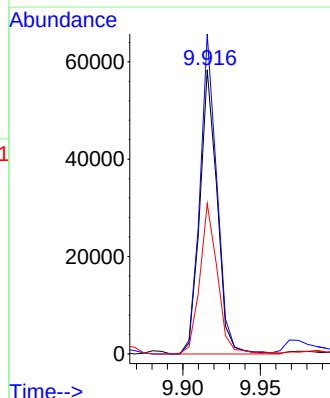
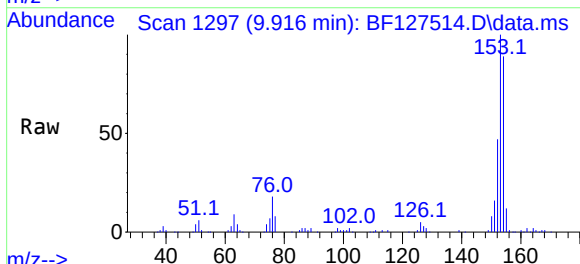
Manual Integrations
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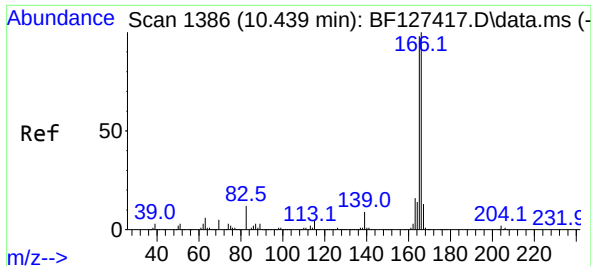
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#52
Acenaphthene
Concen: 4.998 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

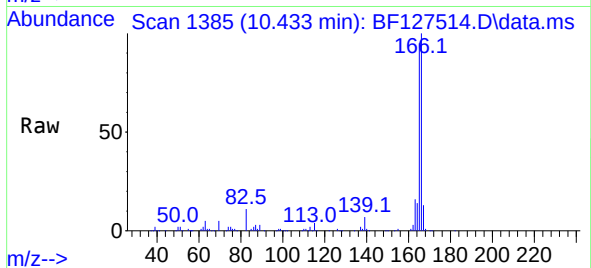
Tgt Ion:154 Resp: 45366
Ion Ratio Lower Upper
154 100
153 112.6 87.6 131.4
152 52.9 42.9 64.3





#58
Fluorene
Concen: 4.790 ng
RT: 10.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

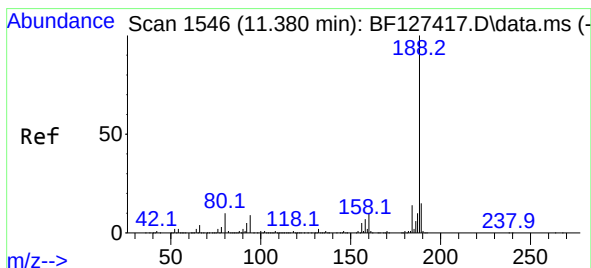
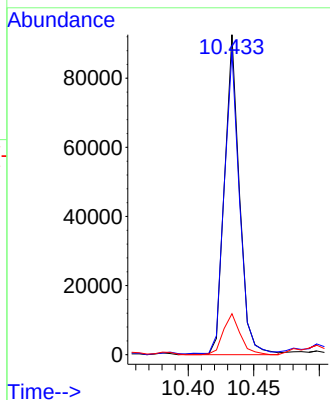
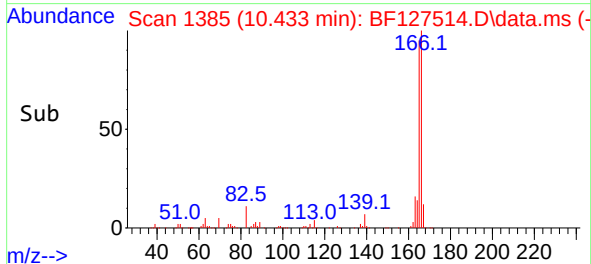
Instrument :
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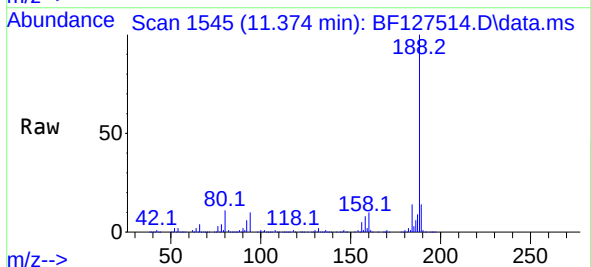
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Ion Ratio Lower Upper
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165 94.8 78.1 117.1
167 12.8 10.5 15.7

Manual Integrations
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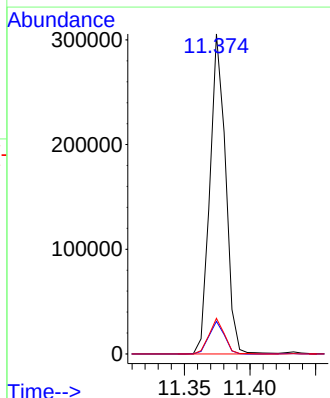
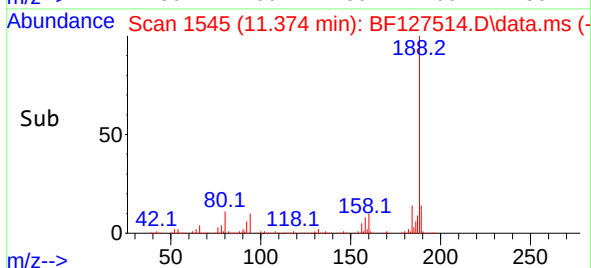
Reviewed By :Christian Giraldo 03/25/2022
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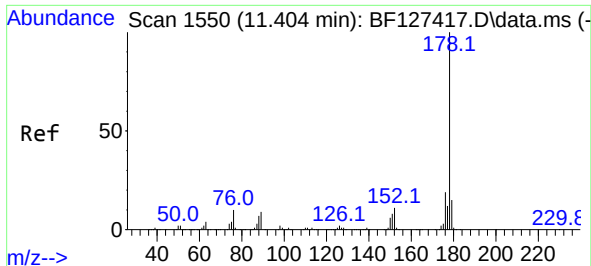


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45



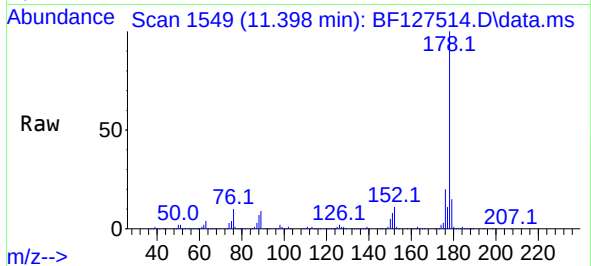
Tgt Ion:188 Resp: 254841
Ion Ratio Lower Upper
188 100
94 10.2 7.4 11.0
80 11.1 8.0 12.0





#71
Phenanthrene
Concen: 32.816 ng
RT: 11.398 min Scan# 11549
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

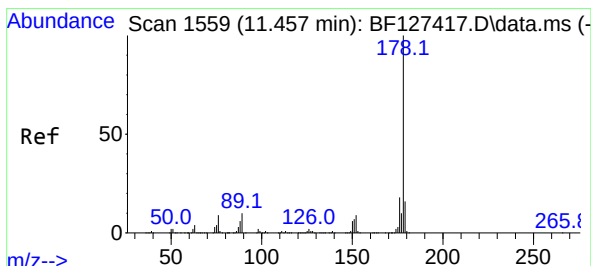
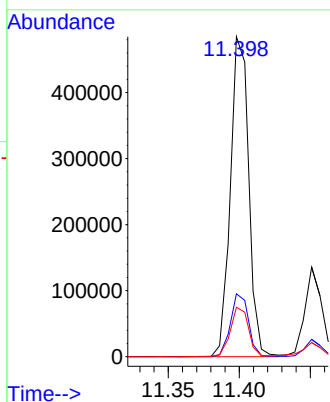
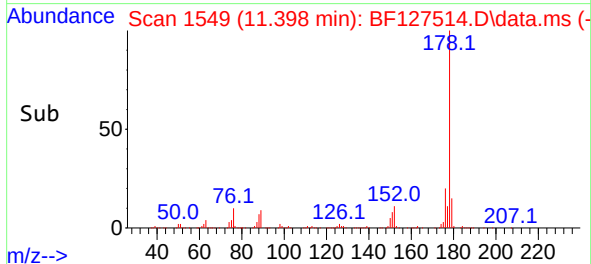
Instrument :
BNA_F
ClientSampleId :
C-12-11-12DL



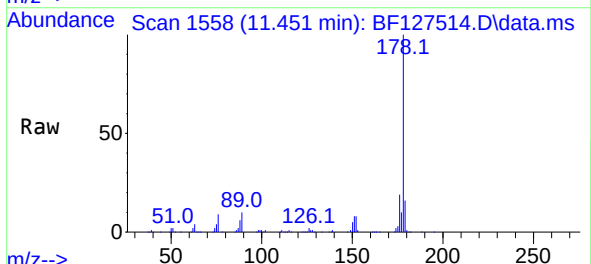
Tgt Ion:178 Resp: 435988
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.5 12.4 18.6

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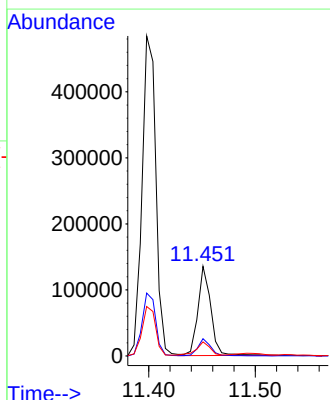
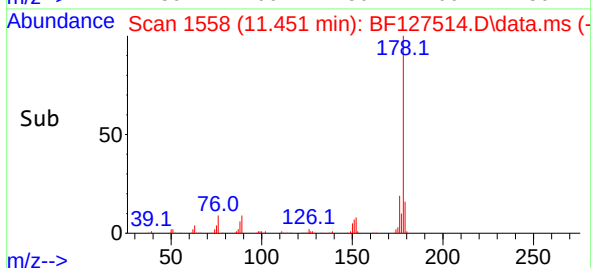
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

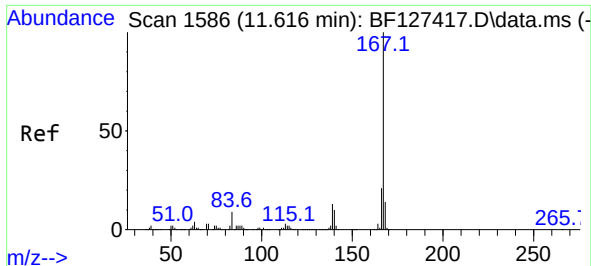


#72
Anthracene
Concen: 8.714 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45



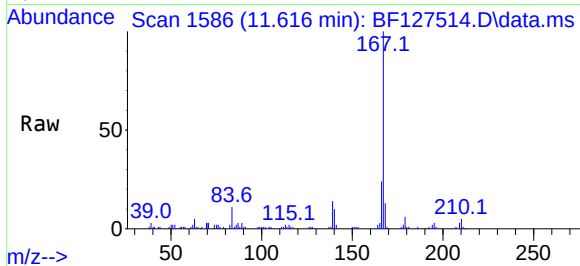
Tgt Ion:178 Resp: 114892
Ion Ratio Lower Upper
178 100
176 19.4 14.6 22.0
179 15.8 12.4 18.6





#73
 Carbazole
 Concen: 2.318 ng
 RT: 11.616 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127514.D
 Acq: 24 Mar 2022 20:45

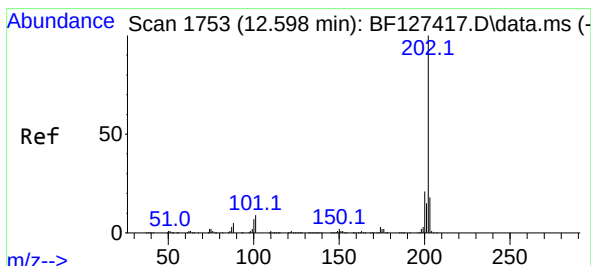
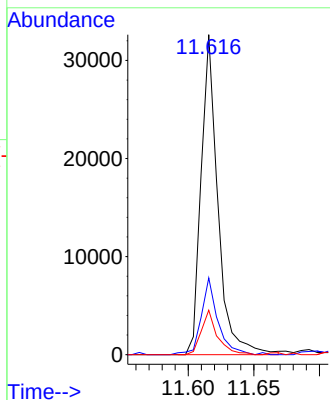
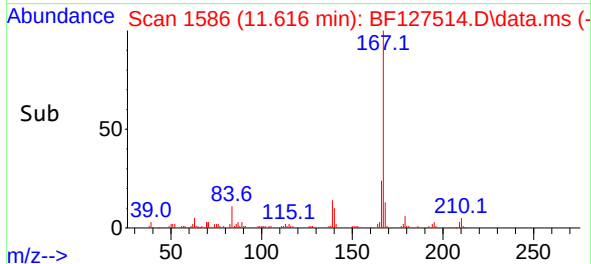
Instrument :
 BNA_F
 ClientSampleId :
 C-12-11-12DL



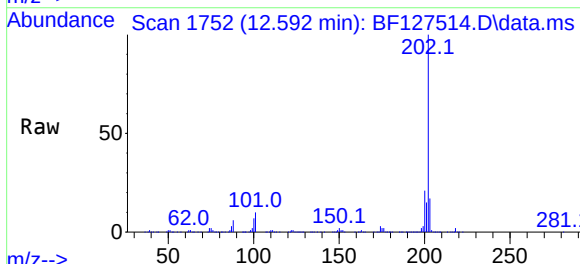
Tgt Ion:167 Resp: 2922
 Ion Ratio Lower Upper
 167 100
 166 24.0 17.0 25.4
 139 13.9 10.5 15.7

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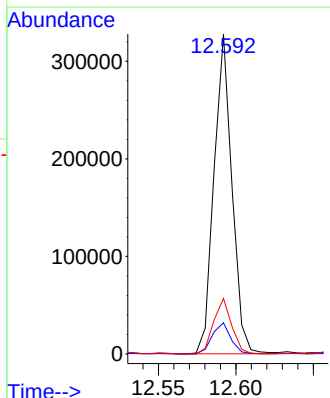
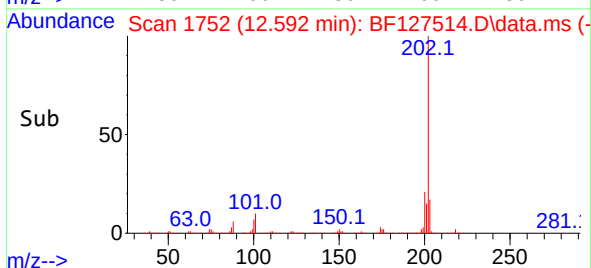
Reviewed By :Christian Giraldo 03/25/2022
 Supervised By :Jagrut Upadhyay 03/25/2022

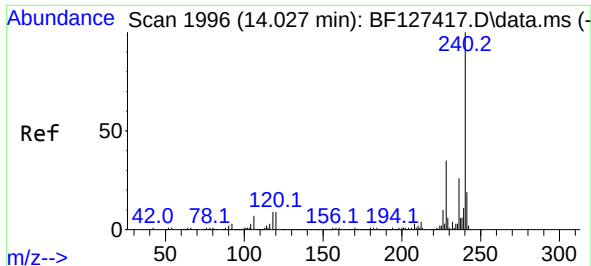


#75
 Fluoranthene
 Concen: 18.083 ng
 RT: 12.592 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: BF127514.D
 Acq: 24 Mar 2022 20:45



Tgt Ion:202 Resp: 264243
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 29.0
 203 17.3 0.0 37.7





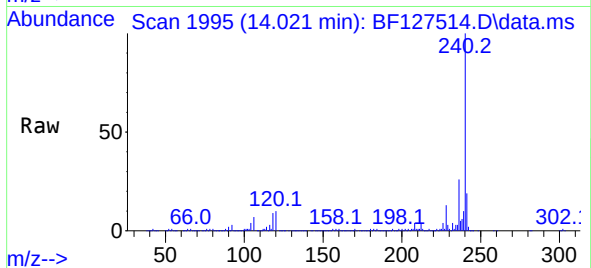
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

ClientSampleId :

C-12-11-12DL

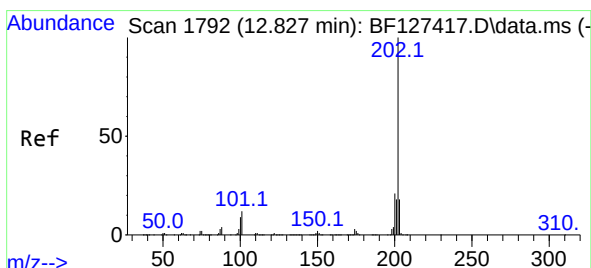
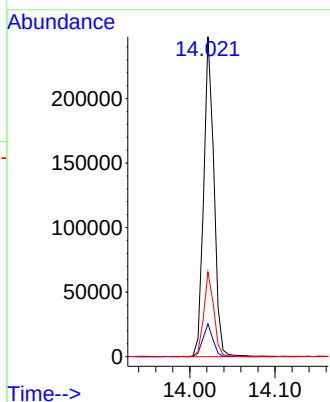
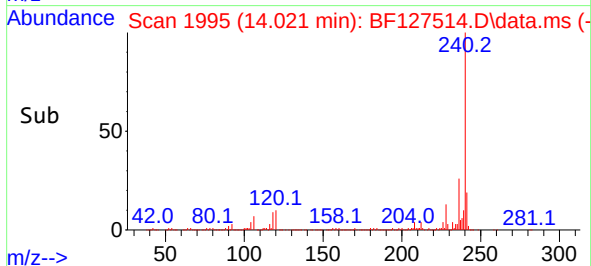


Tgt Ion:240 Resp: 20724
Ion Ratio Lower Upper
240 100
120 10.3 7.1 10.7
236 26.5 20.7 31.1

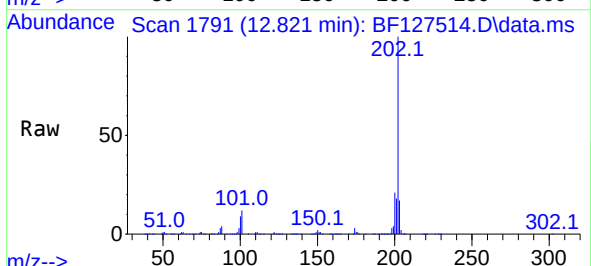
Manual Integrations

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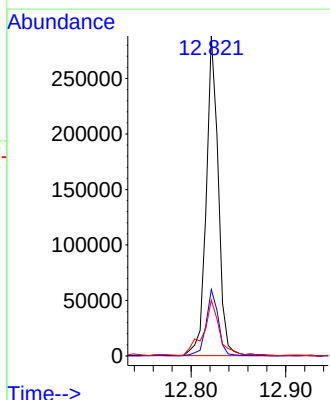
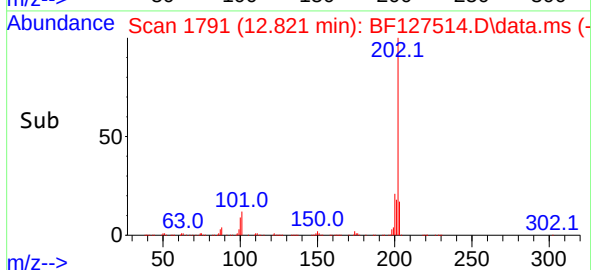
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

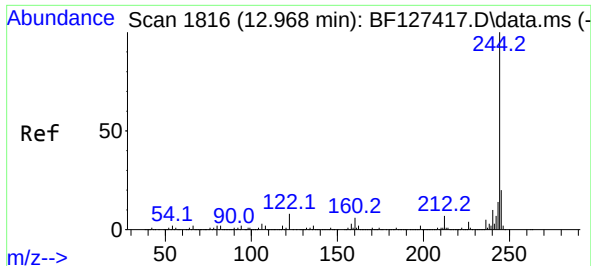


#78
Pyrene
Concen: 14.286 ng
RT: 12.821 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45



Tgt Ion:202 Resp: 254091
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.5 14.3 21.5





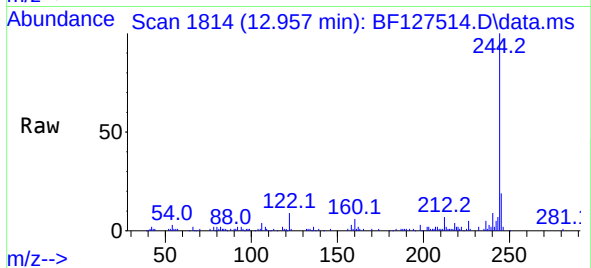
#79
 Terphenyl-d14
 Concen: 2.531 ng
 RT: 12.957 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF127514.D
 Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

ClientSampleId :

C-12-11-12DL

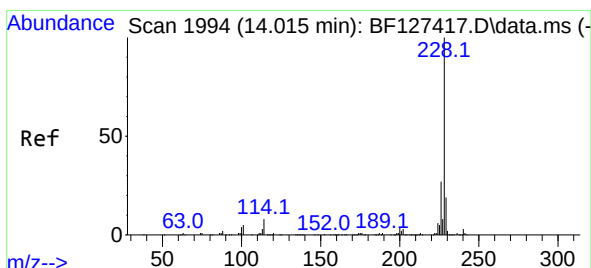
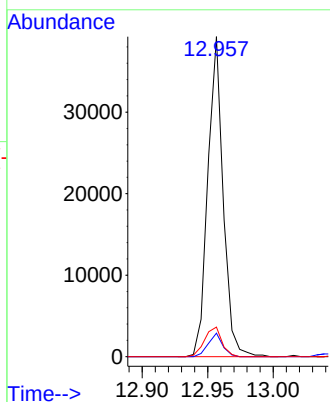
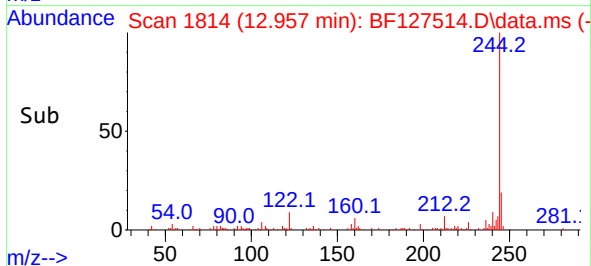


Tgt Ion:244 Resp: 32045
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.7 8.5
 122 9.3 6.2 9.2

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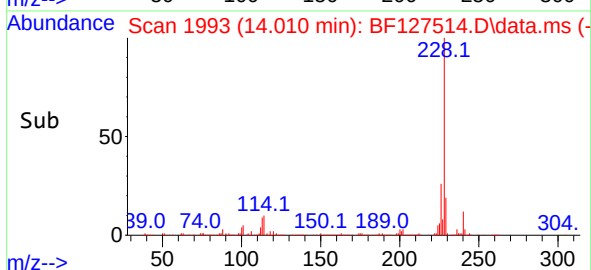
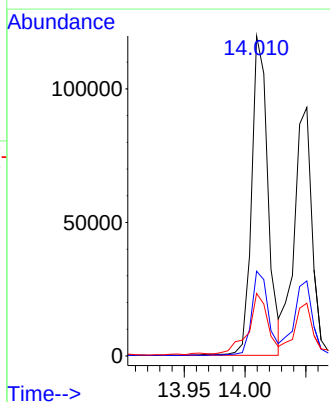
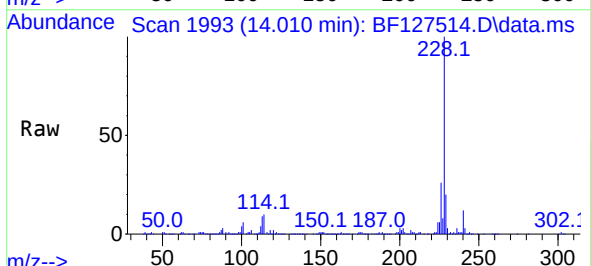
APPROVED

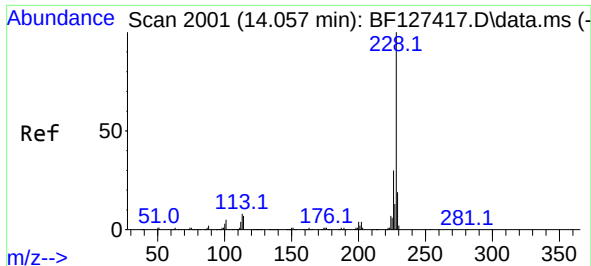
Reviewed By :Christian Giraldo 03/25/2022
 Supervised By :Jagrut Upadhyay 03/25/2022



#81
 Benzo(a)anthracene
 Concen: 8.028 ng
 RT: 14.010 min Scan# 1993
 Delta R.T. -0.006 min
 Lab File: BF127514.D
 Acq: 24 Mar 2022 20:45

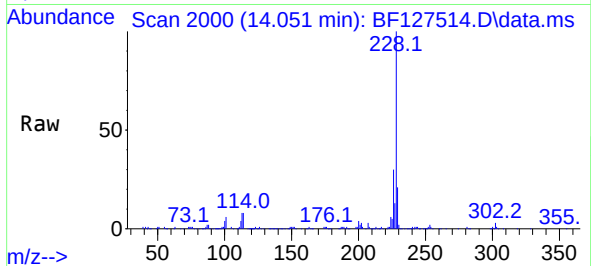
Tgt Ion:228 Resp: 111259
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.6 32.4
 229 19.6 15.4 23.2





#83
Chrysene
Concen: 7.269 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

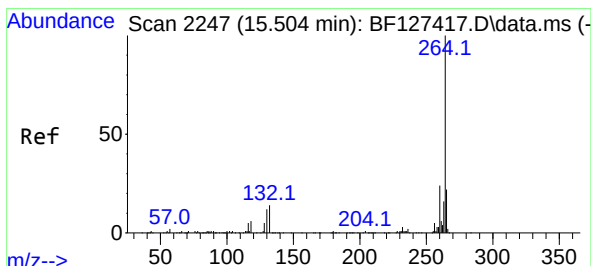
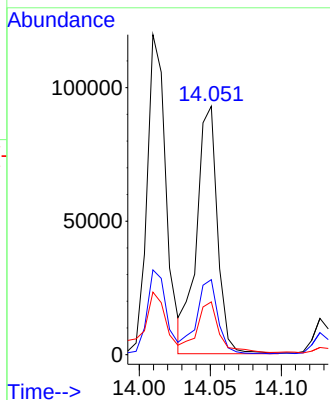
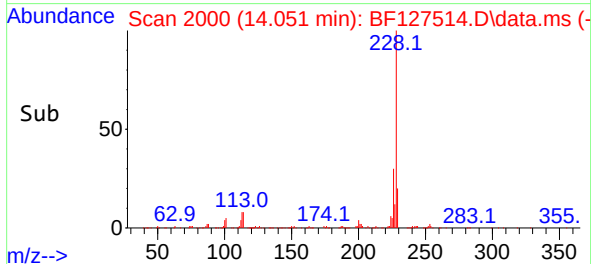
Instrument :
BNA_F
ClientSampleId :
C-12-11-12DL



Tgt Ion:228 Resp: 95390
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.4
229 21.2 15.4 23.2

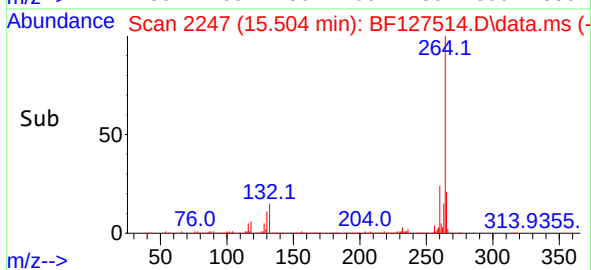
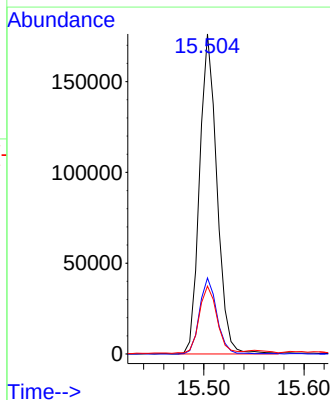
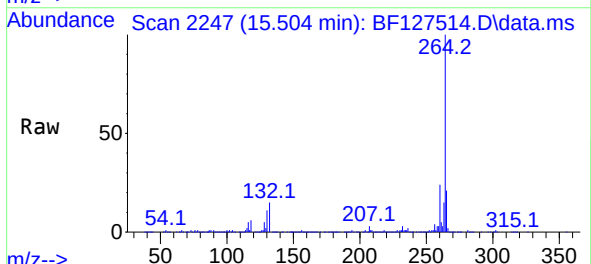
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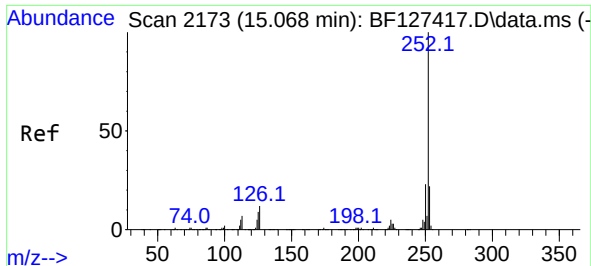
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2247
Delta R.T. 0.000 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Tgt Ion:264 Resp: 212815
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 21.2 17.4 26.2





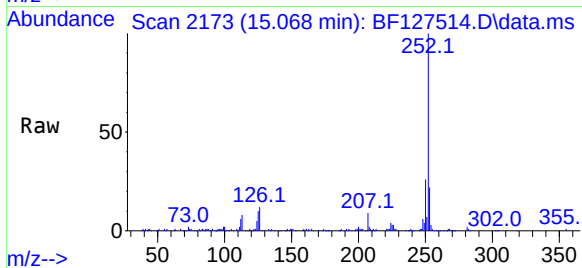
#88
Benzo(b)fluoranthene
Concen: 7.179 ng m
RT: 15.068 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

ClientSampleId :

C-12-11-12DL

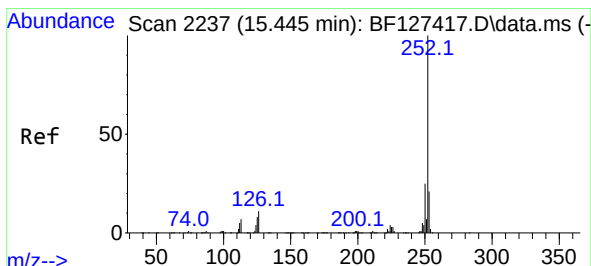
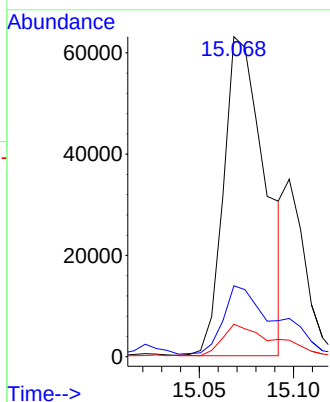
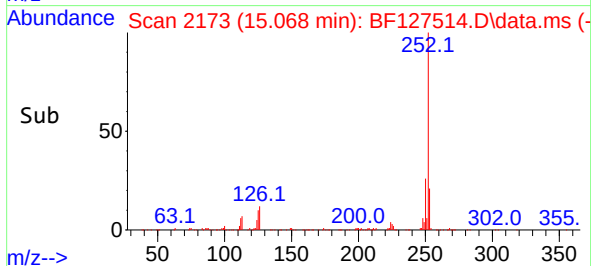


Tgt Ion:252 Resp: 96330
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 10.1 7.0 10.4

Manual Integrations

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



#90
Benzo(a)pyrene
Concen: 7.025 ng
RT: 15.445 min Scan# 2237
Delta R.T. 0.000 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Tgt Ion:252 Resp: 77363
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 10.0 6.7 10.1

