

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032322\
 Data File : BF127492.D
 Acq On : 23 Mar 2022 20:46
 Operator : CG\JU
 Sample : N2039-01DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-031822DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 24 02:13:37 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	89589	20.000	ng	0.00
21) Naphthalene-d8	8.127	136	311966	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	150954	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	228648	20.000	ng	0.00
76) Chrysene-d12	14.021	240	196322	20.000	ng	0.00
86) Perylene-d12	15.503	264	138826	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	311147	55.437	ng	0.00
7) Phenol-d6	6.481	99	404069	52.668	ng	0.00
23) Nitrobenzene-d5	7.410	82	264384	36.226	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	64201	39.925	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	412229	39.876	ng	-0.01
79) Terphenyl-d14	12.957	244	379622	31.655	ng	-0.01
Target Compounds					Qvalue	
31) Naphthalene	8.151	128	91363	5.516	ng	100
52) Acenaphthene	9.916	154	60276	7.612	ng	98
55) Dibenzofuran	10.092	168	62472	2.326	ng	95
58) Fluorene	10.433	166	79650	6.609	ng	99
71) Phenanthrene	11.398	178	489680	41.079	ng	99
72) Anthracene	11.451	178	122741	10.376	ng	99
73) Carbazole	11.610	167	82360	7.280	ng	99
75) Fluoranthene	12.592	202	467172	35.632	ng	98
78) Pyrene	12.821	202	367459	21.809	ng	99
81) Benzo(a)anthracene	14.009	228	151273	11.522	ng	97
83) Chrysene	14.045	228	140832	11.328	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	39933	4.251	ng	96
88) Benzo(b)fluoranthene	15.068	252	121612m	13.893	ng	
89) Benzo(k)fluoranthene	15.098	252	46302m	5.103	ng	
90) Benzo(a)pyrene	15.439	252	81465	11.340	ng	# 96
92) Benzo(g,h,i)perylene	17.468	276	38387	4.789	ng	# 95

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

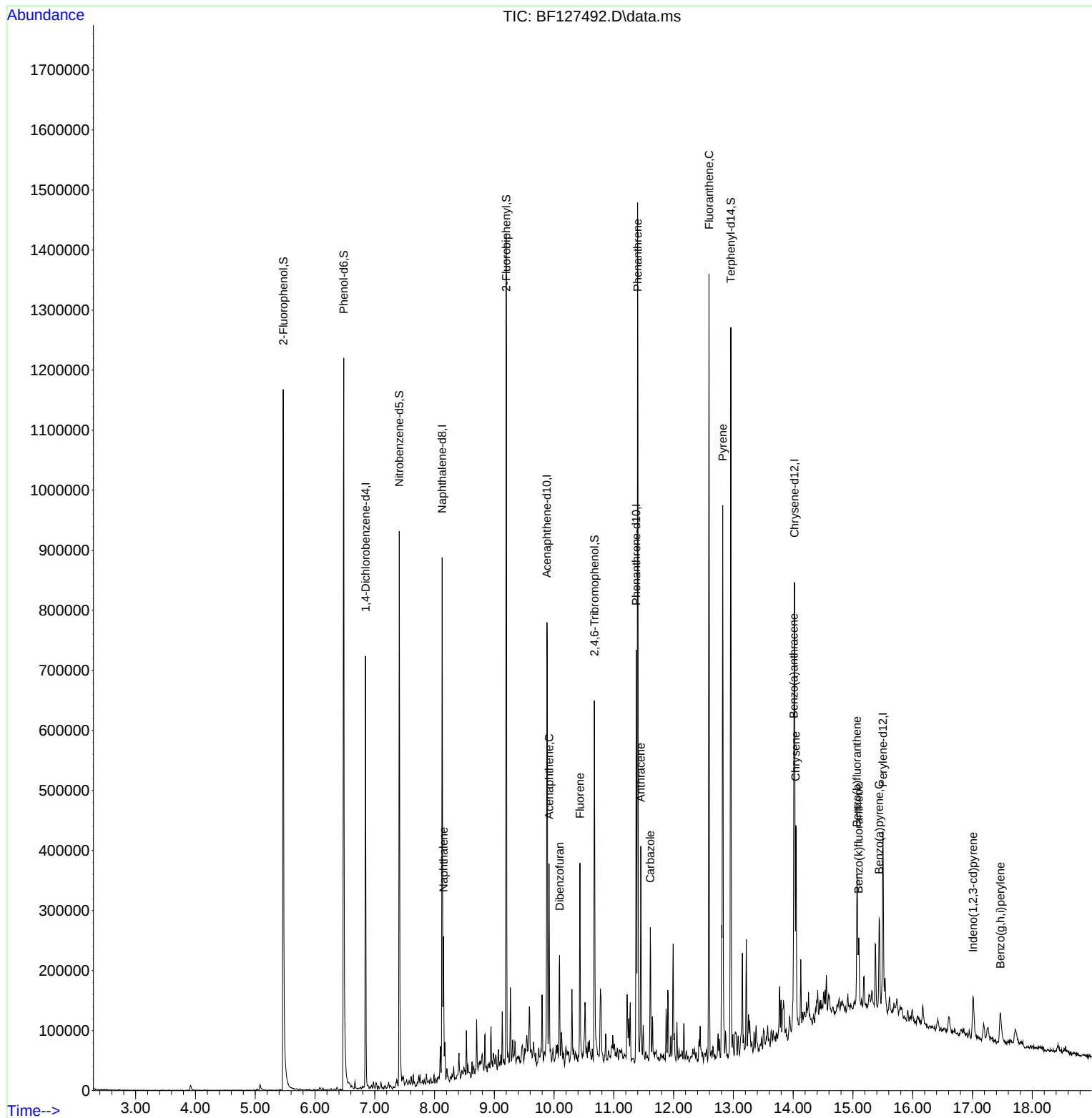
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032322\
Data File : BF127492.D
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Sample : N2039-01DL 2X
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ALS Vial : 23 Sample Multiplier: 1

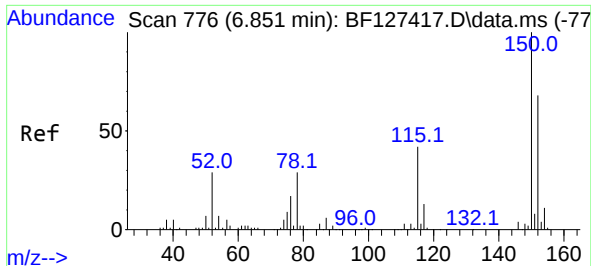
Instrument :
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Quant Time: Mar 24 02:13:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
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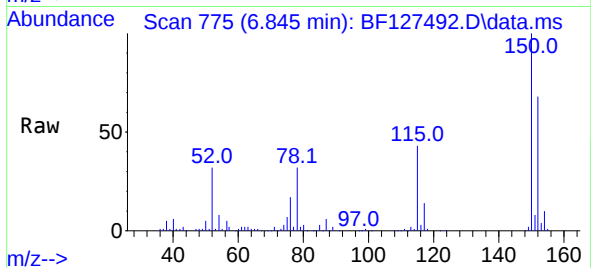
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

OK-03-031822DL

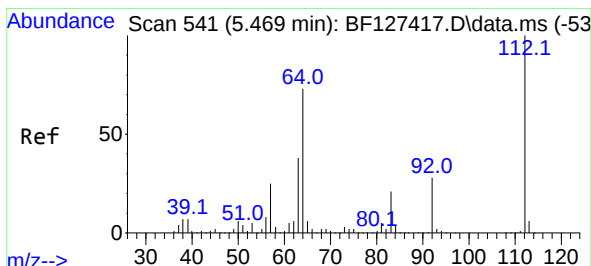
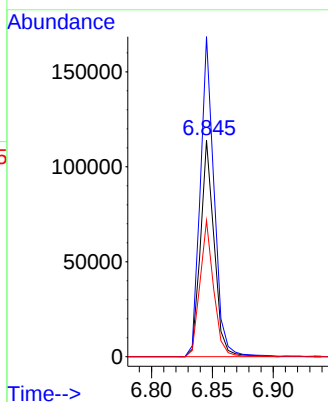
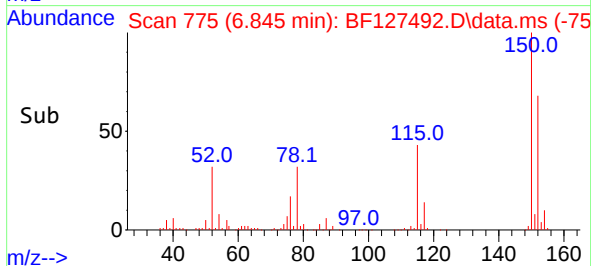


Tgt Ion:152 Resp: 89589
Ion Ratio Lower Upper
152 100
150 147.8 117.2 175.8
115 62.9 49.8 74.6

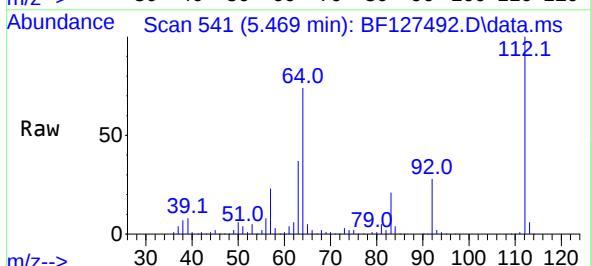
Manual Integrations

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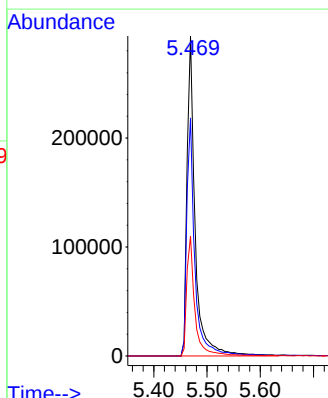
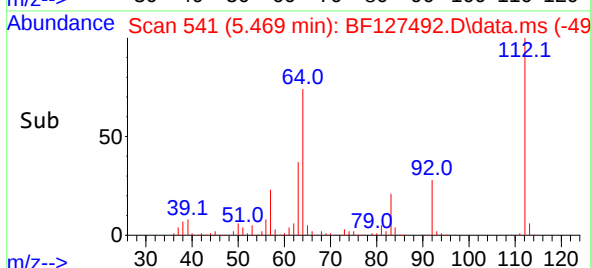
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

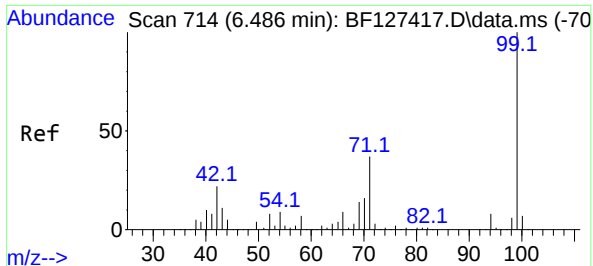


#5
2-Fluorophenol
Concen: 55.437 ng
RT: 5.469 min Scan# 541
Delta R.T. -0.000 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46



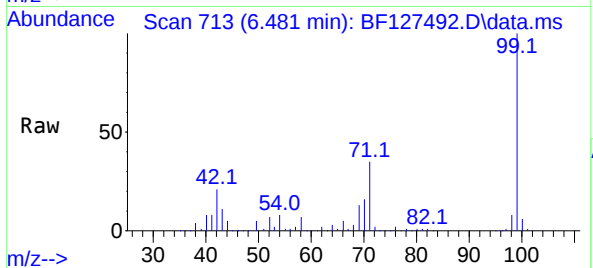
Tgt Ion:112 Resp: 311147
Ion Ratio Lower Upper
112 100
64 74.4 58.4 87.6
63 37.5 30.1 45.1





#7
Phenol-d6
Concen: 52.668 ng
RT: 6.481 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

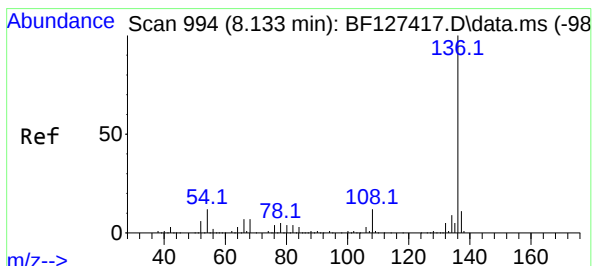
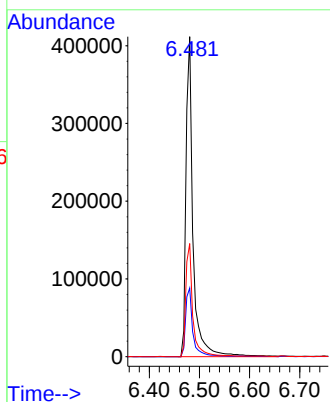
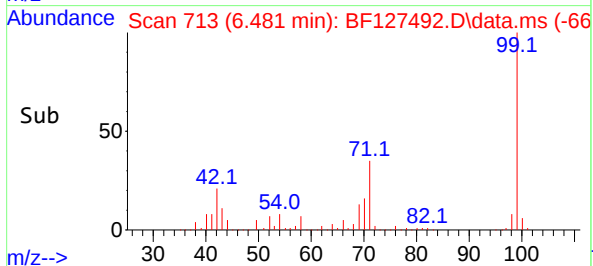
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BNA_F
ClientSampleId :
OK-03-031822DL



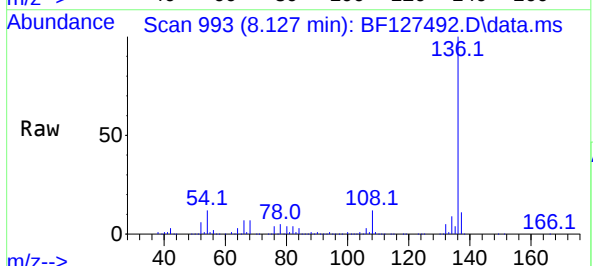
Tgt Ion: 99 Resp: 404069
Ion Ratio Lower Upper
99 100
42 21.5 17.8 26.6
71 35.3 29.6 44.4

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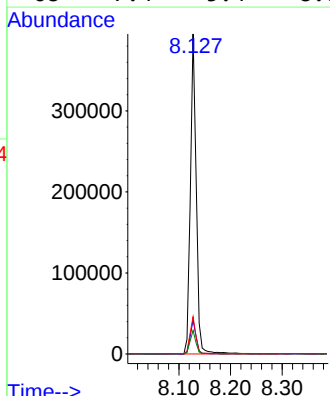
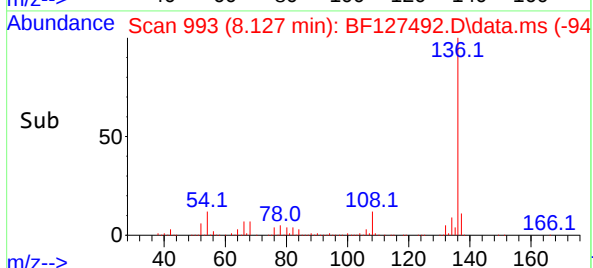
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

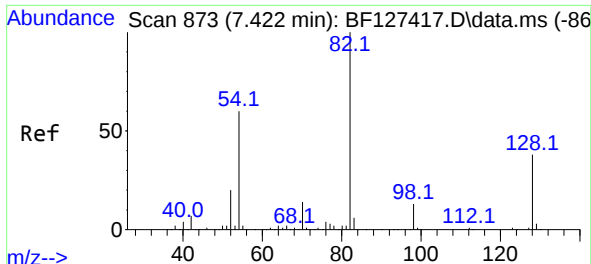


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.127 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46



Tgt Ion:136 Resp: 311966
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 11.7 9.2 13.8
68 7.4 5.4 8.0





#23
Nitrobenzene-d5
Concen: 36.226 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

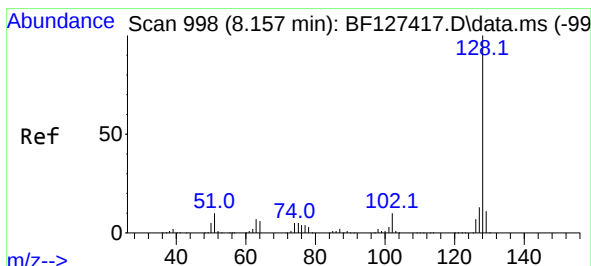
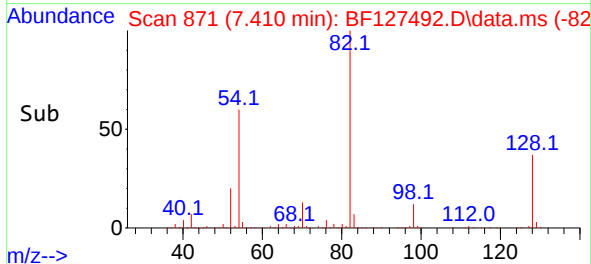
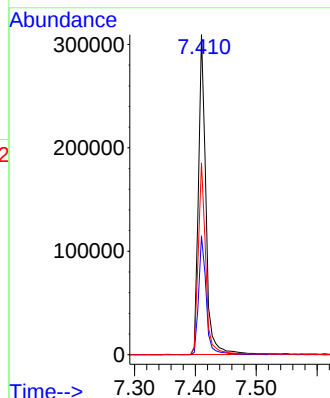
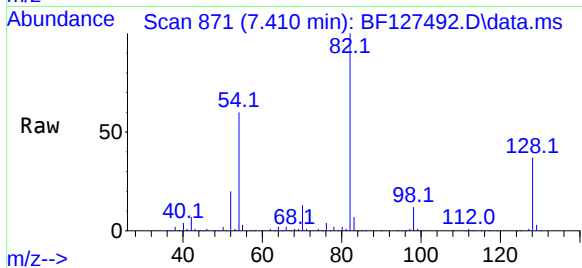
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Tgt Ion: 82 Resp: 264384
Ion Ratio Lower Upper
82 100
128 37.1 30.6 45.8
54 60.0 48.2 72.2

Manual Integrations

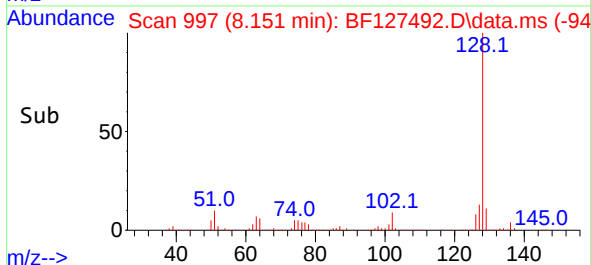
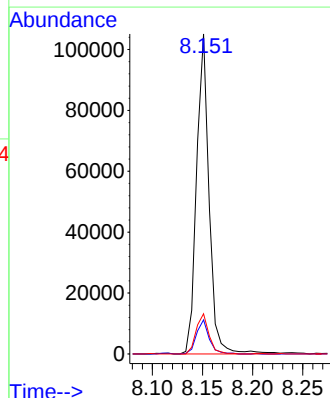
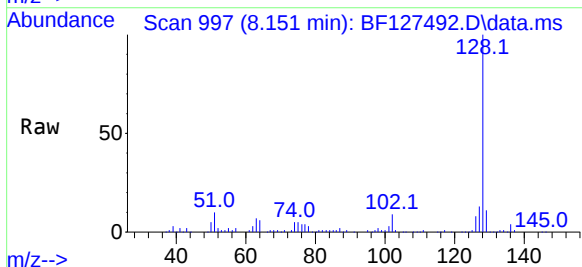
APPROVED

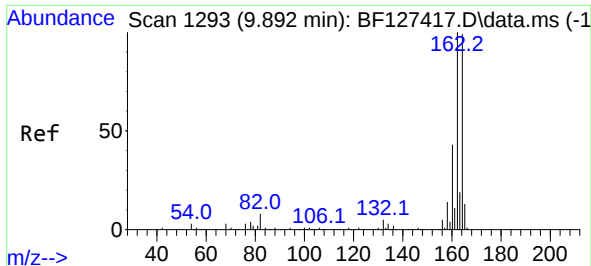
Reviewed By :Christian Giraldo 03/24/2022
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#31
Naphthalene
Concen: 5.516 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Tgt Ion:128 Resp: 91363
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 12.6 10.2 15.2





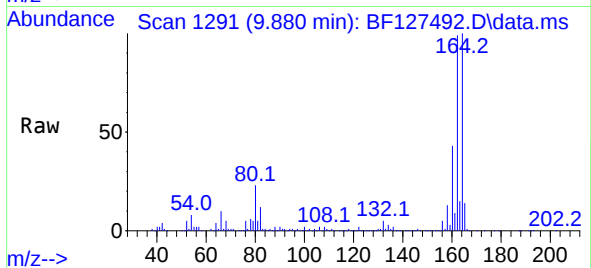
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

OK-03-031822DL

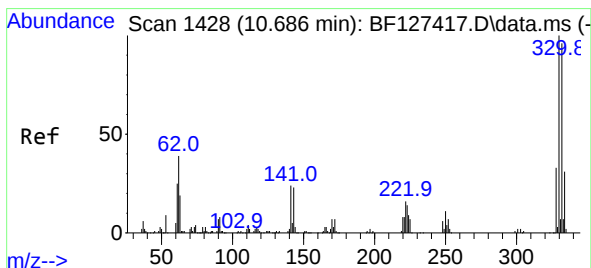
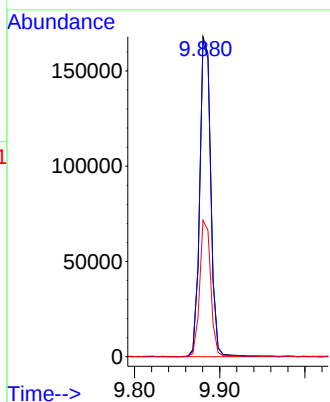
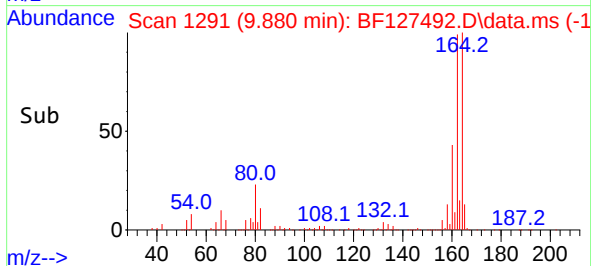


Tgt Ion:164 Resp: 150954
Ion Ratio Lower Upper
164 100
162 98.6 81.2 121.8
160 42.6 34.6 52.0

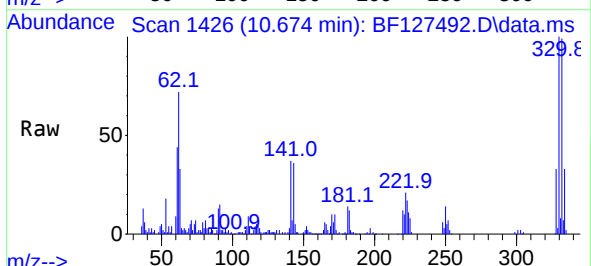
Manual Integrations

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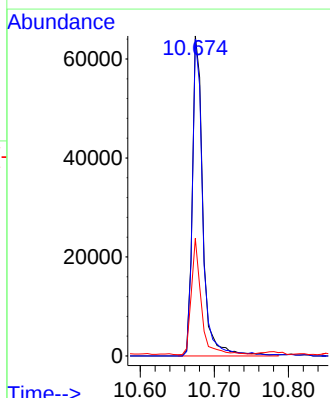
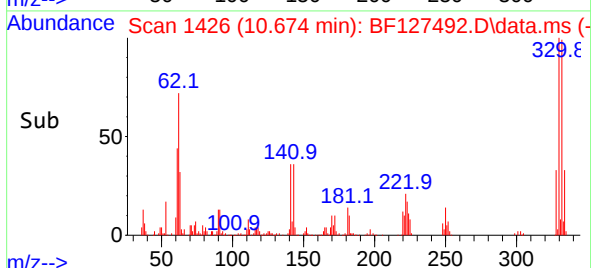
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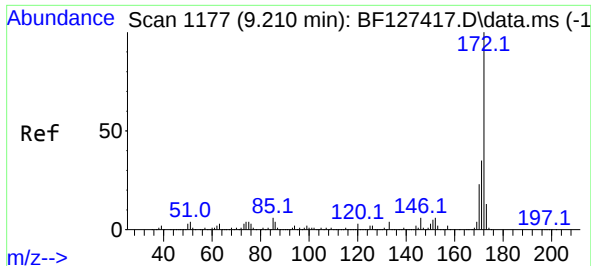


#42
2,4,6-Tribromophenol
Concen: 39.925 ng
RT: 10.674 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46



Tgt Ion:330 Resp: 64201
Ion Ratio Lower Upper
330 100
332 97.3 79.1 118.7
141 34.2 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 39.876 ng

RT: 9.198 min Scan# 1177

Delta R.T. -0.012 min

Lab File: BF127492.D

Acq: 23 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

OK-03-031822DL

Tgt Ion:172 Resp: 412229

Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

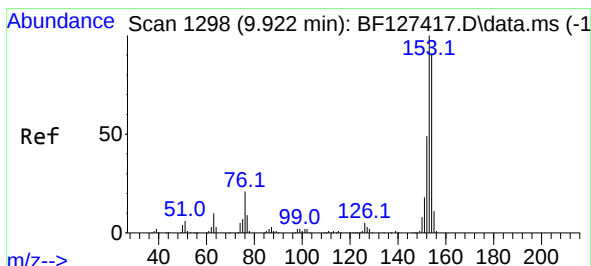
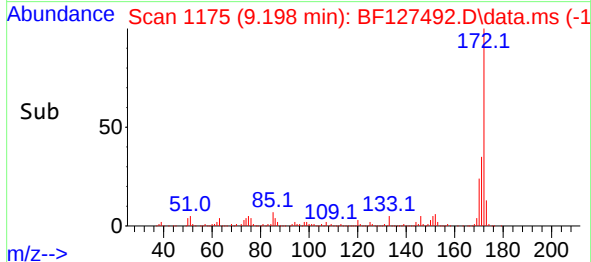
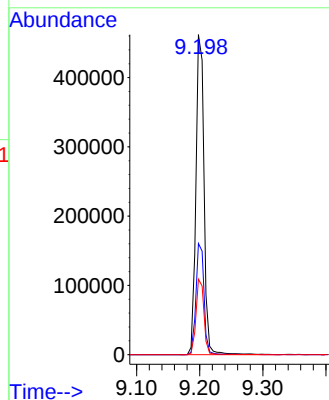
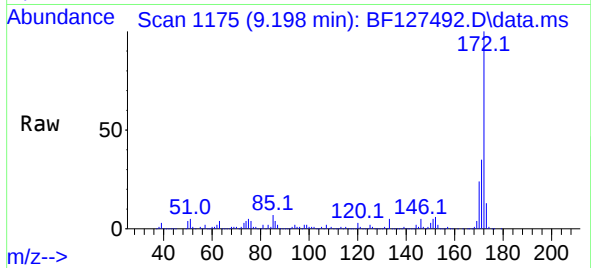
170 23.6 18.6 27.8

Manual Integrations

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#52

Acenaphthene

Concen: 7.612 ng

RT: 9.916 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF127492.D

Acq: 23 Mar 2022 20:46

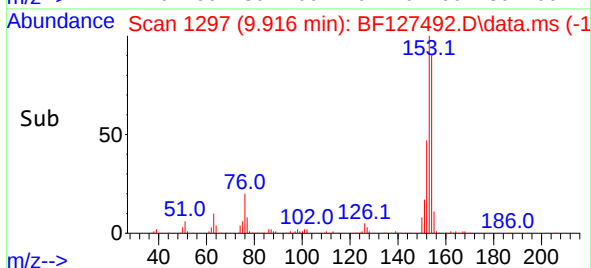
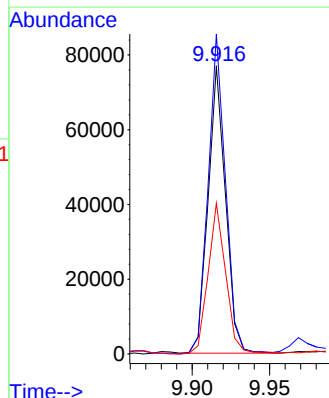
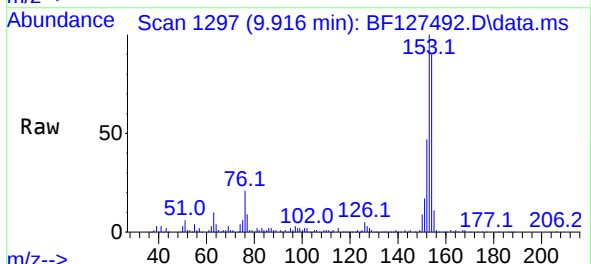
Tgt Ion:154 Resp: 60276

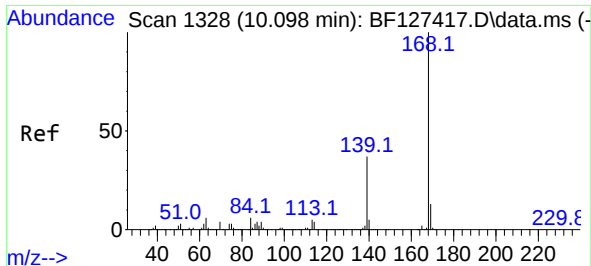
Ion Ratio Lower Upper

154 100

153 111.1 87.6 131.4

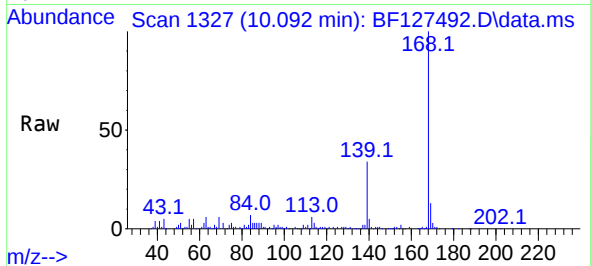
152 52.3 42.9 64.3





#55
Dibenzenofuran
Concen: 2.326 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

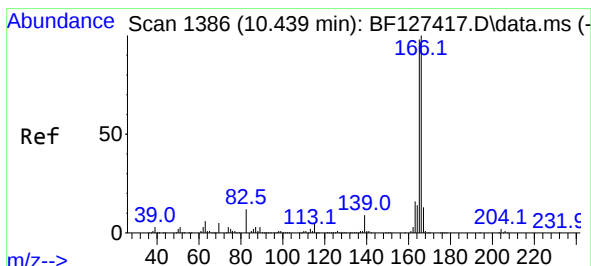
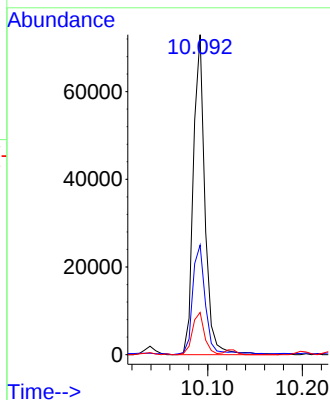
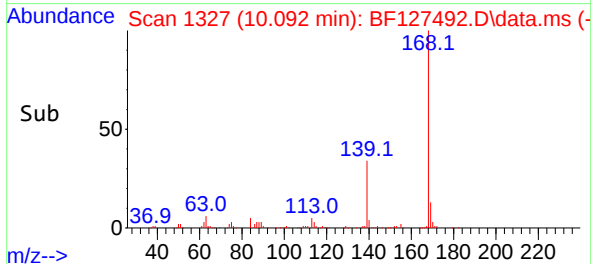
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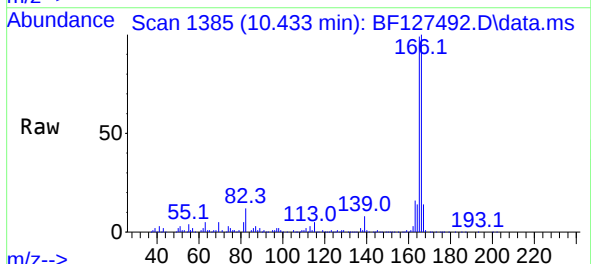
Tgt Ion:168 Resp: 62472
Ion Ratio Lower Upper
168 100
139 34.3 30.3 45.5
169 13.2 10.8 16.2

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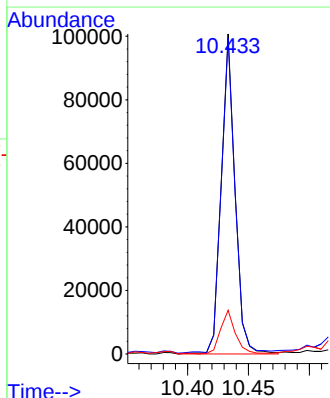
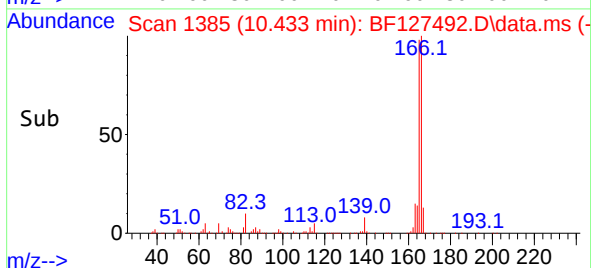
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

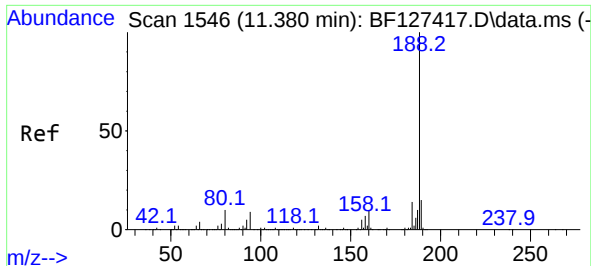


#58
Fluorene
Concen: 6.609 ng
RT: 10.433 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46



Tgt Ion:166 Resp: 79650
Ion Ratio Lower Upper
166 100
165 98.7 78.1 117.1
167 13.7 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

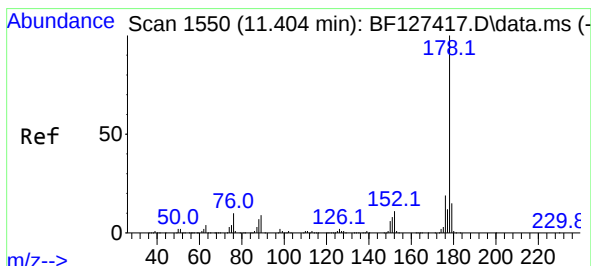
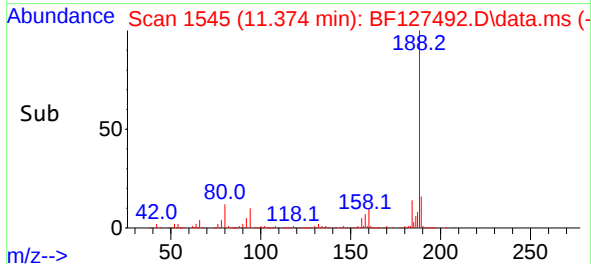
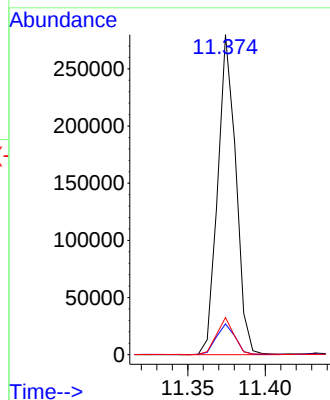
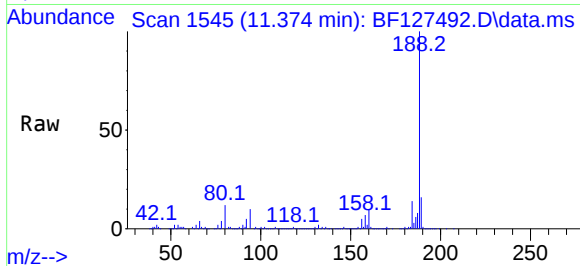
OK-03-031822DL

Tgt Ion:188 Resp: 22864
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.0
80 11.6 8.0 12.0

Manual Integrations

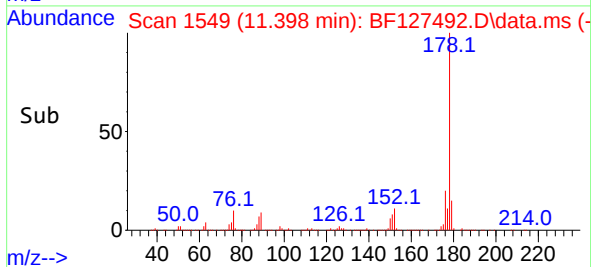
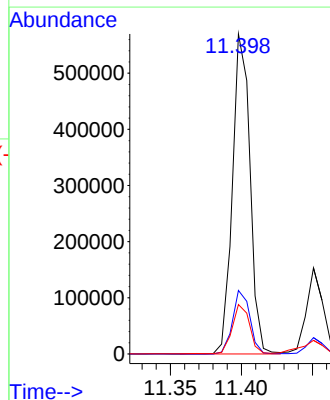
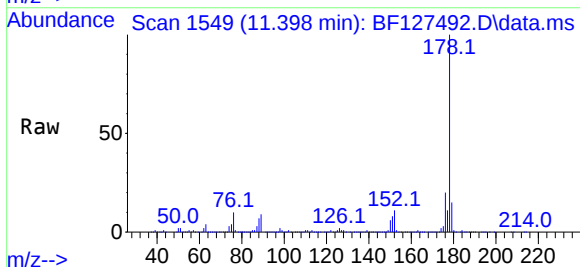
APPROVED

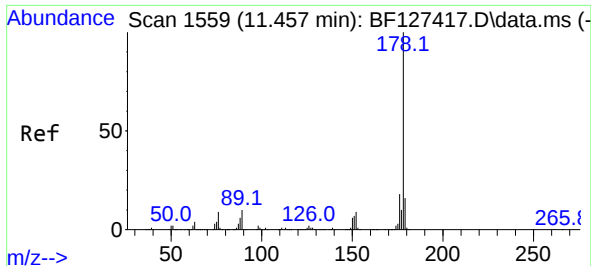
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#71
Phenanthrene
Concen: 41.079 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Tgt Ion:178 Resp: 489680
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 15.5 12.4 18.6





#72
 Anthracene
 Concen: 10.376 ng
 RT: 11.451 min Scan# 1559
 Delta R.T. -0.006 min
 Lab File: BF127492.D
 Acq: 23 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

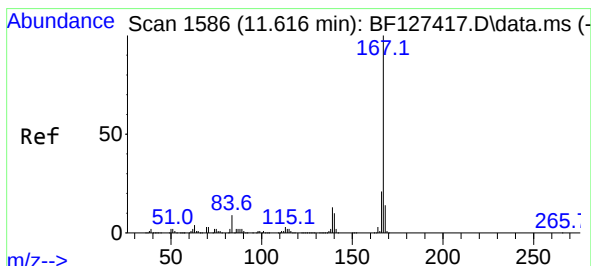
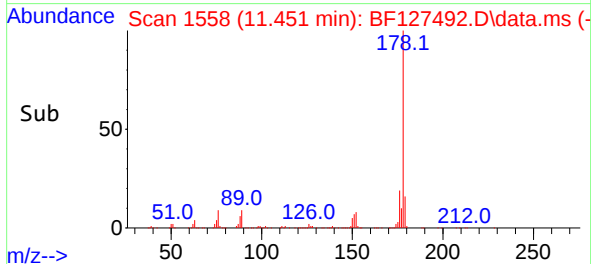
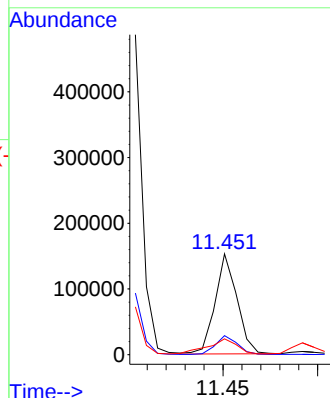
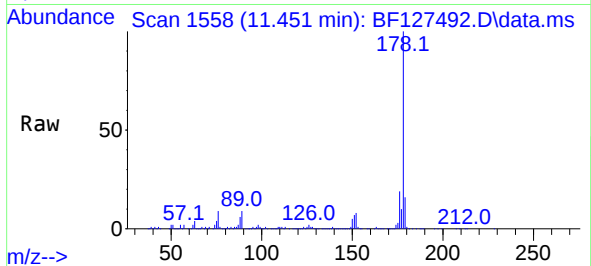
OK-03-031822DL

Tgt Ion:178 Resp: 12274
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.6 22.0
 179 15.8 12.4 18.6

Manual Integrations

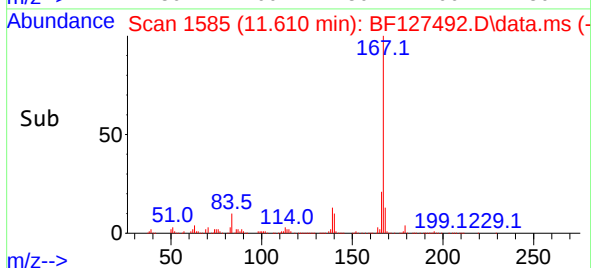
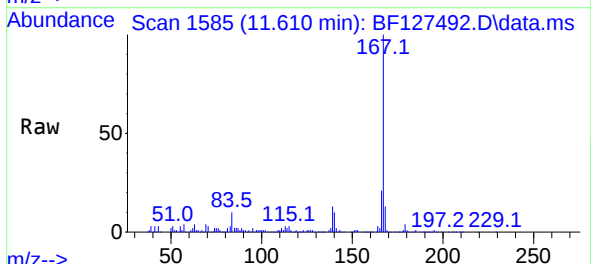
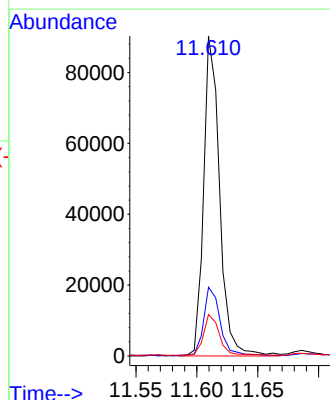
APPROVED

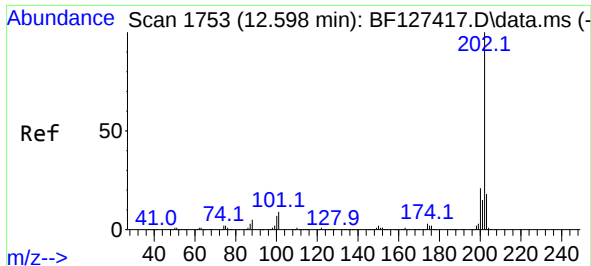
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#73
 Carbazole
 Concen: 7.280 ng
 RT: 11.610 min Scan# 1585
 Delta R.T. -0.006 min
 Lab File: BF127492.D
 Acq: 23 Mar 2022 20:46

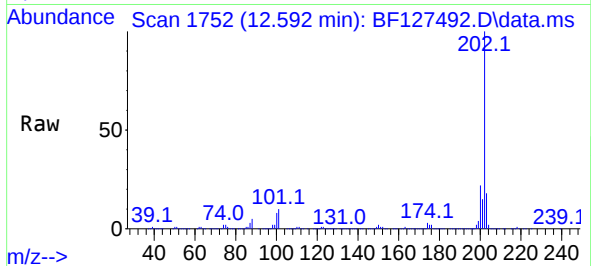
Tgt Ion:167 Resp: 82360
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.4
 139 13.0 10.5 15.7





#75
Fluoranthene
Concen: 35.632 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

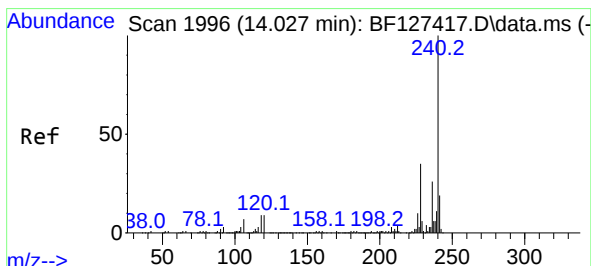
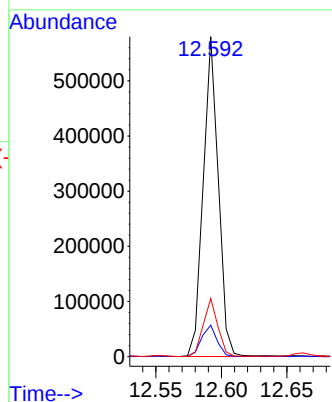
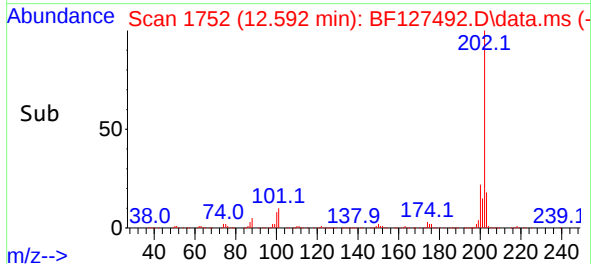
Instrument :
BNA_F
ClientSampleId :
OK-03-031822DL



Tgt Ion:202 Resp: 467172
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.0
203 18.2 0.0 37.7

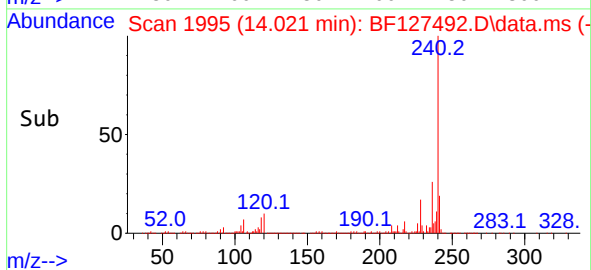
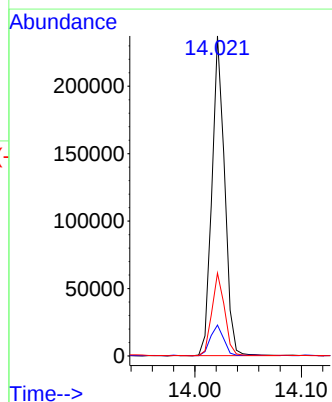
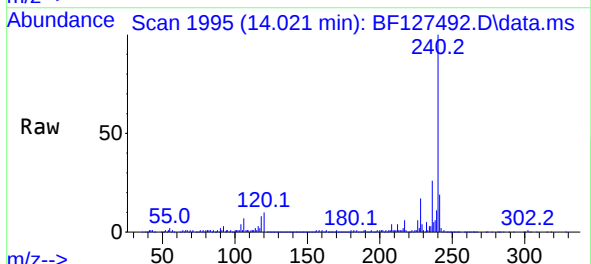
Manual Integrations
APPROVED

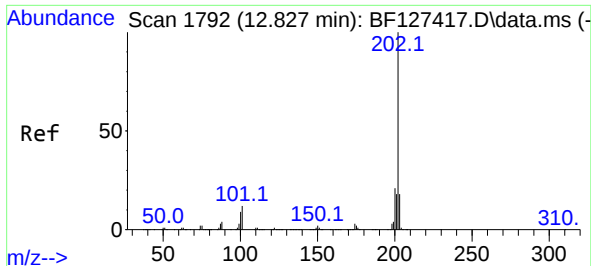
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

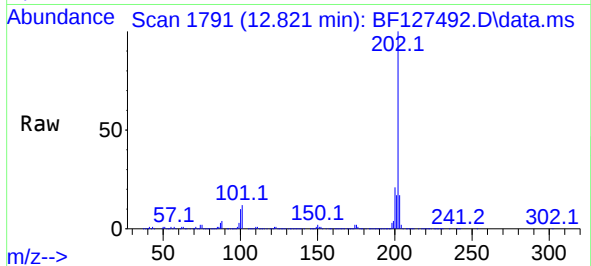
Tgt Ion:240 Resp: 196322
Ion Ratio Lower Upper
240 100
120 9.7 7.1 10.7
236 25.9 20.7 31.1





#78
Pyrene
Concen: 21.809 ng
RT: 12.821 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

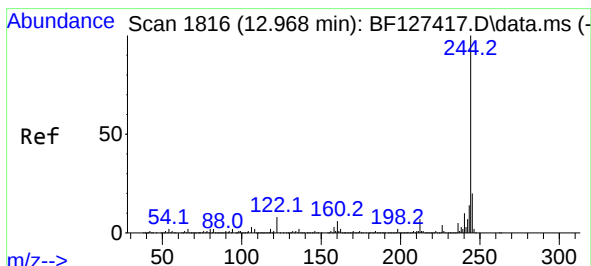
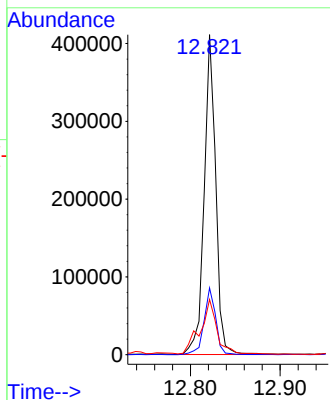
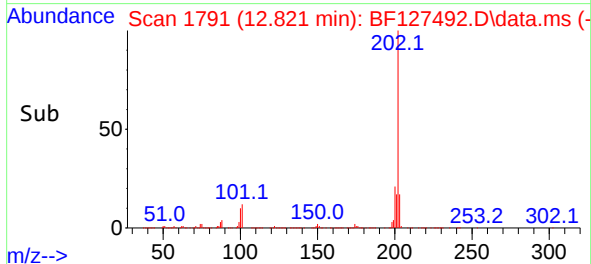
Instrument :
BNA_F
ClientSampleId :
OK-03-031822DL



Tgt Ion:202 Resp: 367459
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.2 14.3 21.5

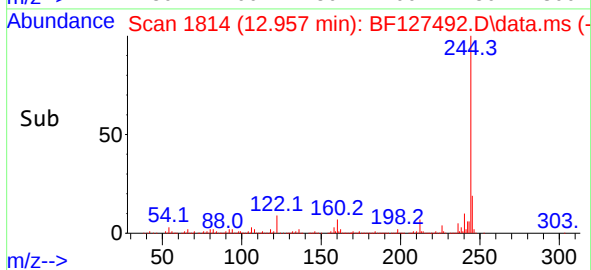
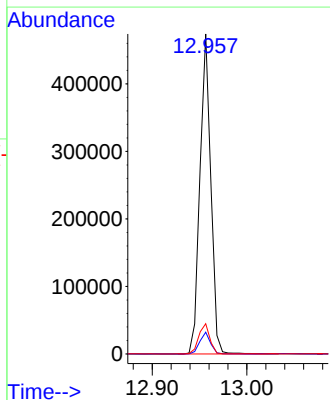
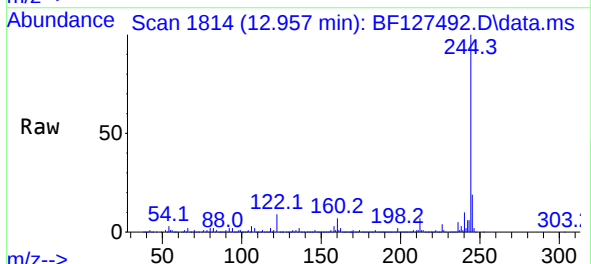
Manual Integrations
APPROVED

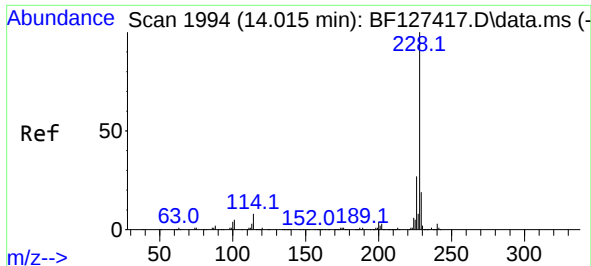
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#79
Terphenyl-d14
Concen: 31.655 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Tgt Ion:244 Resp: 379622
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 9.4 6.2 9.2#





#81
Benzo(a)anthracene
Concen: 11.522 ng
RT: 14.009 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

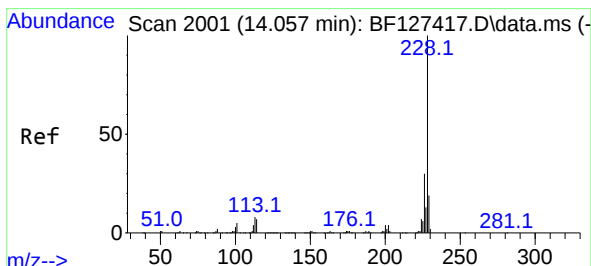
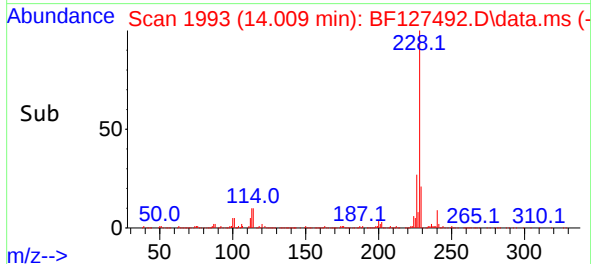
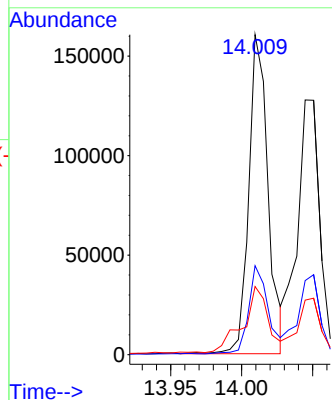
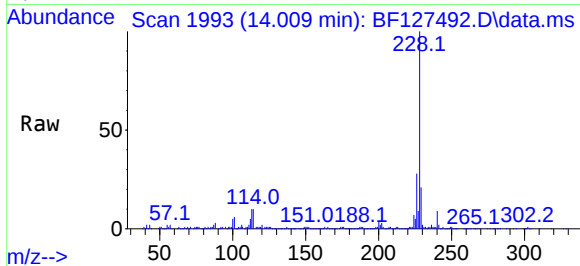
OK-03-031822DL

Tgt Ion:228 Resp: 15127
Ion Ratio Lower Upper
228 100
226 27.8 21.6 32.4
229 21.3 15.4 23.2

Manual Integrations

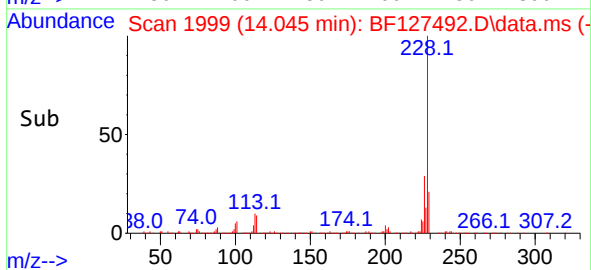
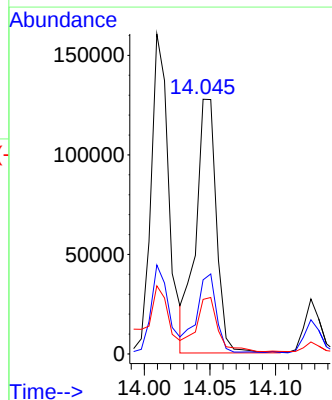
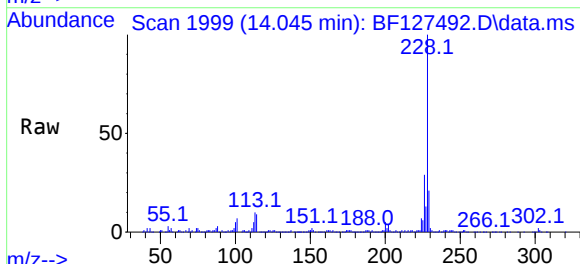
APPROVED

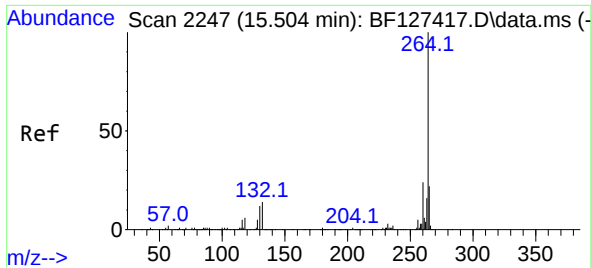
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#83
Chrysene
Concen: 11.328 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Tgt Ion:228 Resp: 140832
Ion Ratio Lower Upper
228 100
226 29.1 24.2 36.4
229 21.4 15.4 23.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.503 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

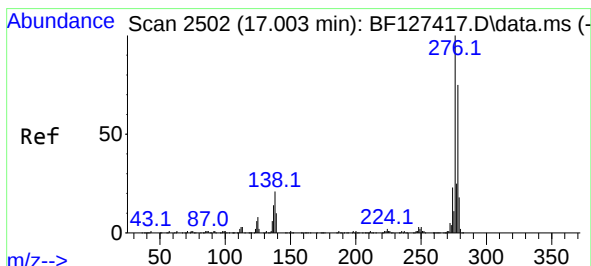
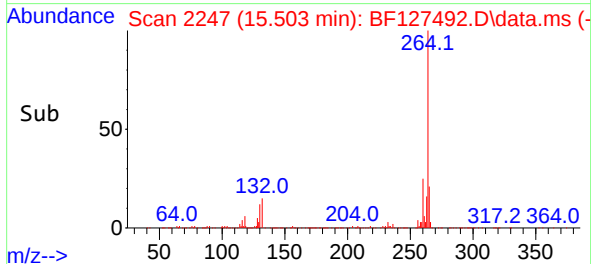
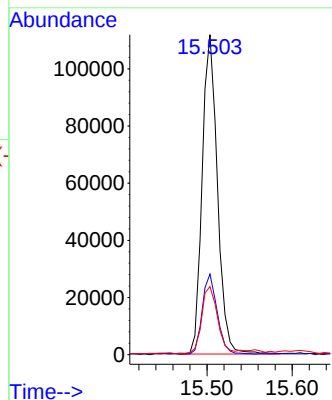
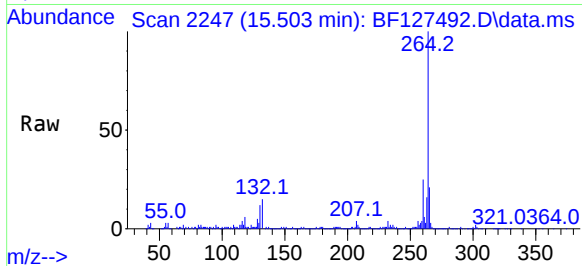
OK-03-031822DL

Tgt Ion:264 Resp: 138820
Ion Ratio Lower Upper
264 100
260 25.2 19.1 28.7
265 21.3 17.4 26.2

Manual Integrations

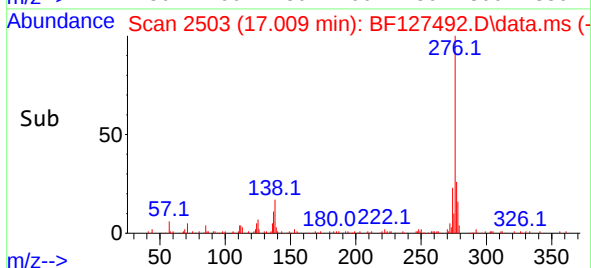
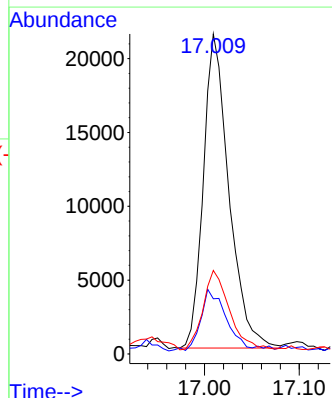
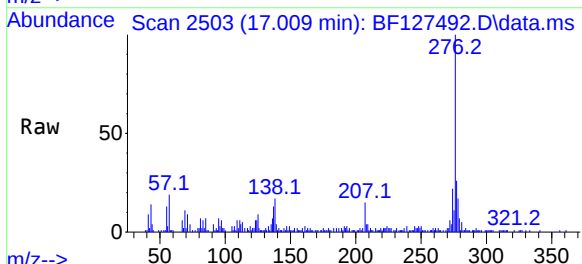
APPROVED

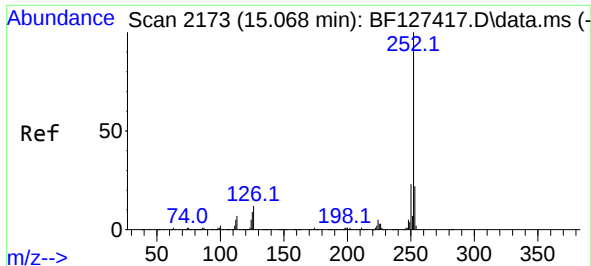
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.251 ng
RT: 17.009 min Scan# 2503
Delta R.T. 0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Tgt Ion:276 Resp: 39933
Ion Ratio Lower Upper
276 100
138 18.4 17.1 25.7
277 25.9 19.9 29.9





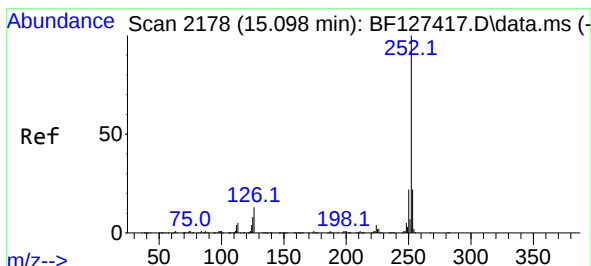
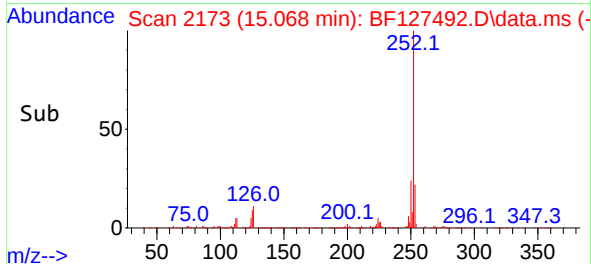
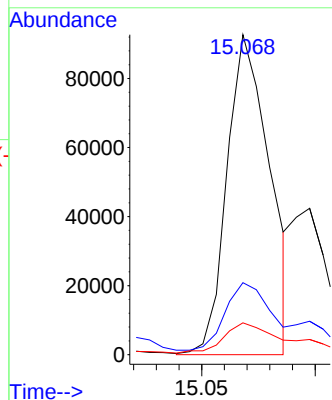
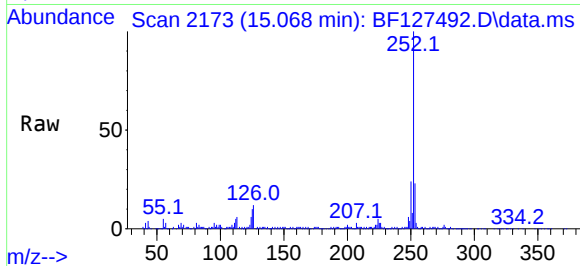
#88
Benzo(b)fluoranthene
Concen: 13.893 ng m
RT: 15.068 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Instrument :
BNA_F
ClientSampleId :
OK-03-031822DL

Tgt Ion:252 Resp: 121612
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 10.0 7.0 10.4

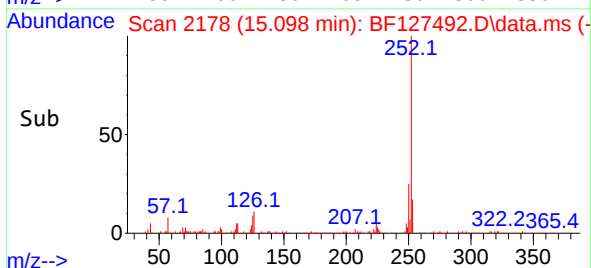
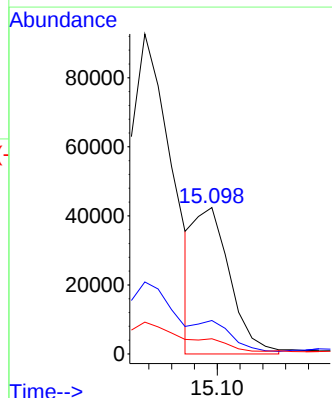
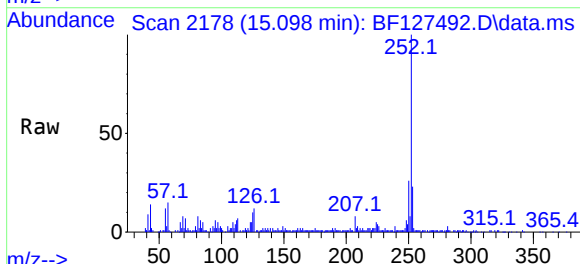
Manual Integrations
APPROVED

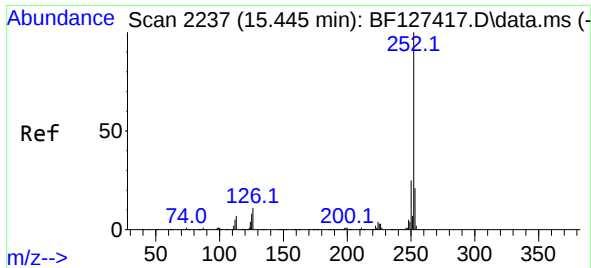
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#89
Benzo(k)fluoranthene
Concen: 5.103 ng m
RT: 15.098 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Tgt Ion:252 Resp: 46302
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 10.4 6.9 10.3#





#90
Benzo(a)pyrene
Concen: 11.340 ng
RT: 15.439 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

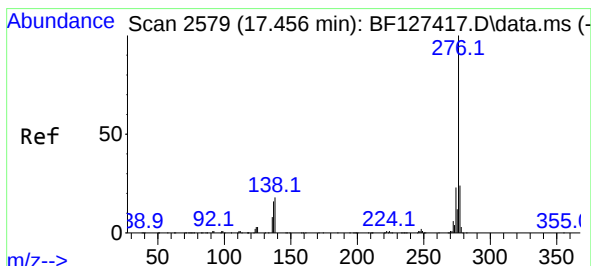
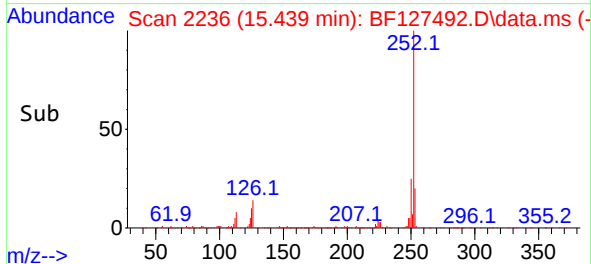
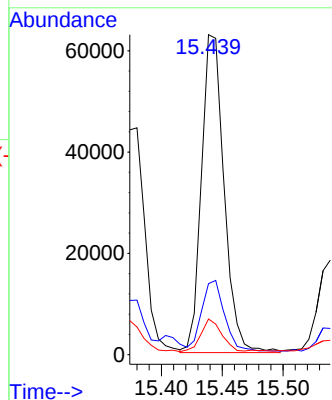
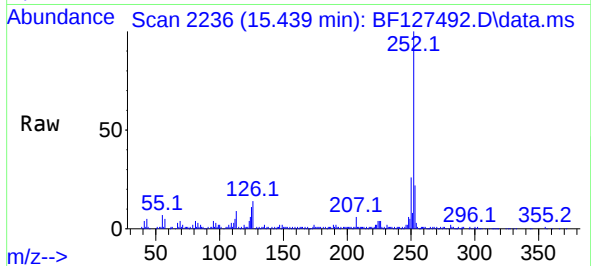
OK-03-031822DL

Tgt Ion:252 Resp: 8146
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 11.2 6.7 10.1

Manual Integrations

APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 4.789 ng
RT: 17.468 min Scan# 2581
Delta R.T. 0.012 min
Lab File: BF127492.D
Acq: 23 Mar 2022 20:46

Tgt Ion:276 Resp: 38387
Ion Ratio Lower Upper
276 100
277 25.1 19.0 28.4
138 22.1 14.6 22.0

