

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032422\
 Data File : BF127512.D
 Acq On : 24 Mar 2022 19:47
 Operator : CG\JU
 Sample : N2061-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-1-20220321-19.0-20.0

Manual Integrations
 APPROVED

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

Quant Time: Mar 25 02:16:16 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	95123	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	340541	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	193231	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	286661	20.000	ng	0.00
76) Chrysene-d12	14.021	240	195587	20.000	ng	0.00
86) Perylene-d12	15.504	264	223119	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	474735	79.663	ng	0.00
7) Phenol-d6	6.487	99	632913	77.698	ng	0.00
23) Nitrobenzene-d5	7.416	82	419770	52.691	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	129016	62.678	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	681249	51.481	ng	0.00
79) Terphenyl-d14	12.957	244	483541	40.471	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.157	128	1291528	71.435	ng	98
37) 2-Methylnaphthalene	8.845	142	433944	37.327	ng	97
38) 1-Methylnaphthalene	8.945	142	480743	41.820	ng	96
46) 1,1'-Biphenyl	9.304	154	113517	7.778	ng	99
49) Acenaphthylene	9.751	152	50052	2.881	ng	# 92
52) Acenaphthene	9.922	154	293718	28.975	ng	96
58) Fluorene	10.433	166	225351	17.716	ng	99
71) Phenanthrene	11.404	178	959535	64.205	ng	100
72) Anthracene	11.457	178	283179	19.094	ng	99
75) Fluoranthene	12.592	202	317299	19.303	ng	98
78) Pyrene	12.827	202	500431	29.813	ng	99
81) Benzo(a)anthracene	14.015	228	151076	11.550	ng	# 90
83) Chrysene	14.051	228	135693m	10.956	ng	
87) Indeno(1,2,3-cd)pyrene	17.015	276	46222	3.062	ng	97
88) Benzo(b)fluoranthene	15.074	252	112185m	7.974	ng	
89) Benzo(k)fluoranthene	15.098	252	38439m	2.636	ng	
90) Benzo(a)pyrene	15.445	252	148529	12.865	ng	99
92) Benzo(g,h,i)perylene	17.474	276	46411	3.602	ng	96

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

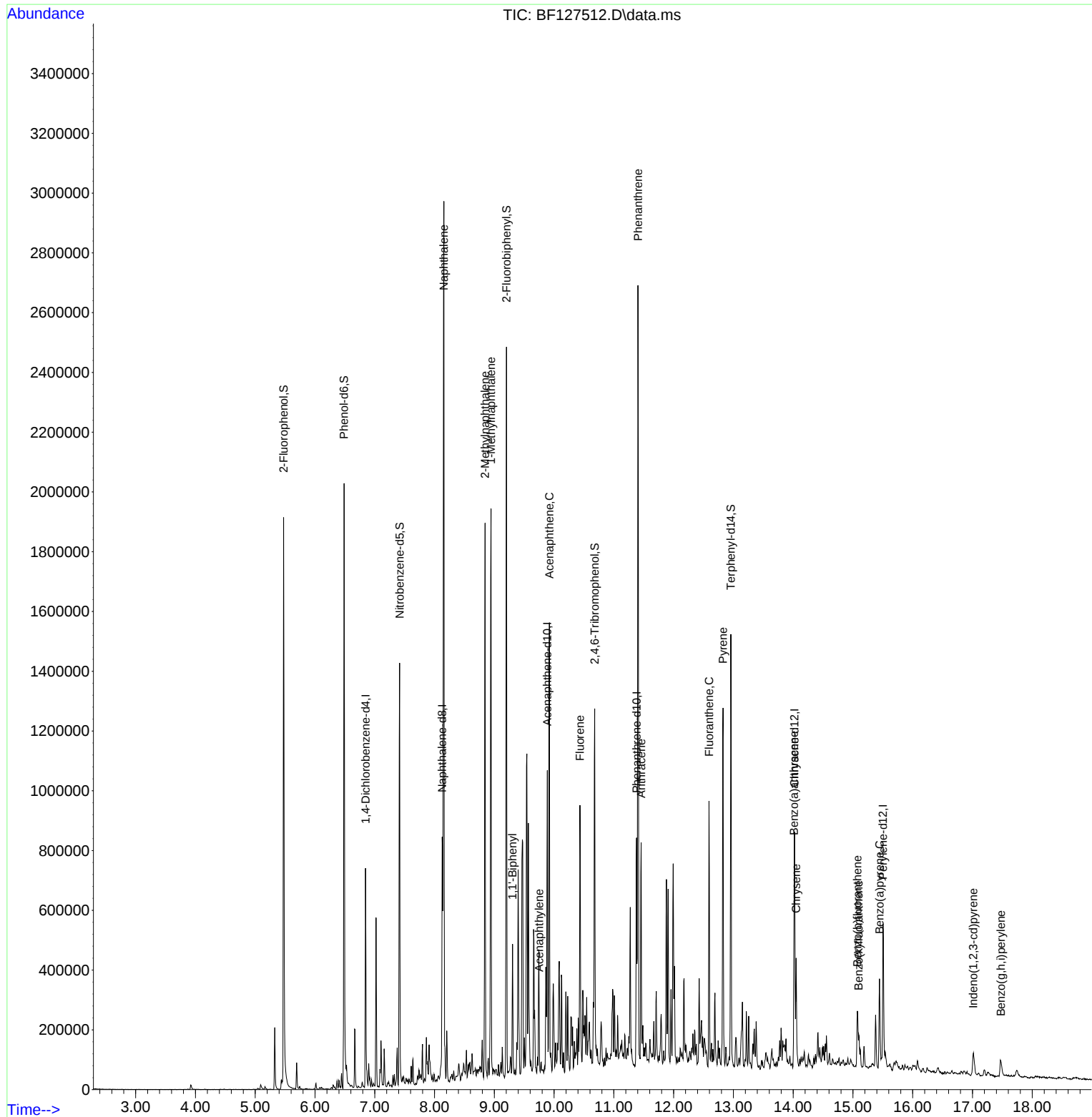
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032422\
Data File : BF127512.D
Acq On : 24 Mar 2022 19:47
Operator : CG\JU
Sample : N2061-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

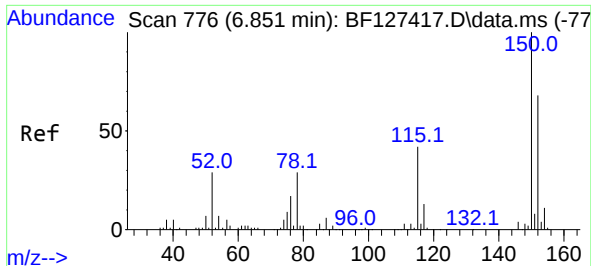
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0

Quant Time: Mar 25 02:16:16 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

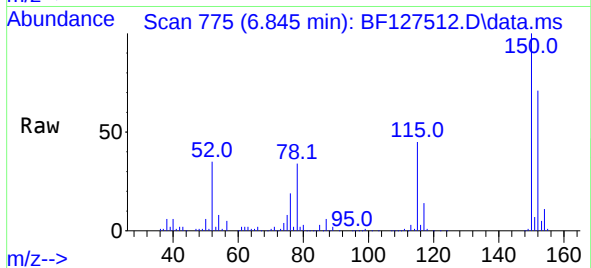
Reviewed By : Christian Giraldo 03/25/2022
Supervised By : Jagrut Upadhyay 03/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

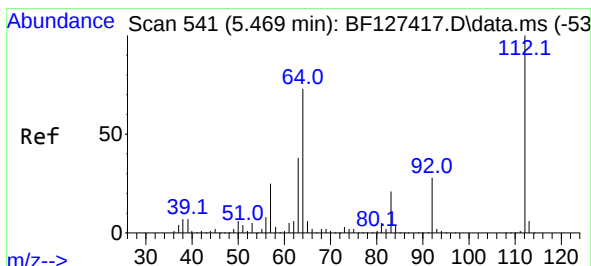
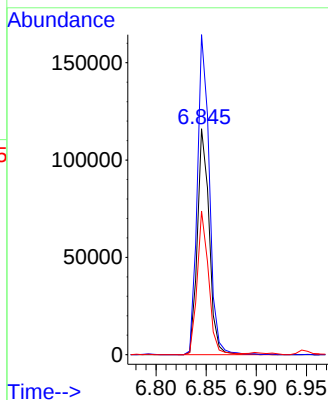
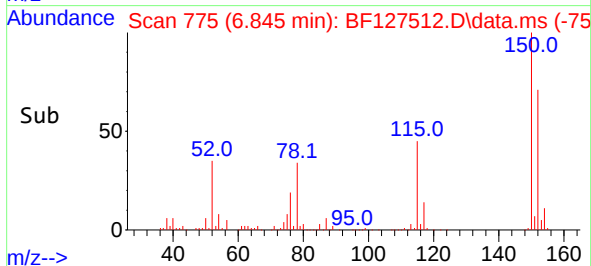
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0



Tgt Ion:152 Resp: 9512
Ion Ratio Lower Upper
152 100
150 141.6 117.2 175.8
115 63.6 49.8 74.6

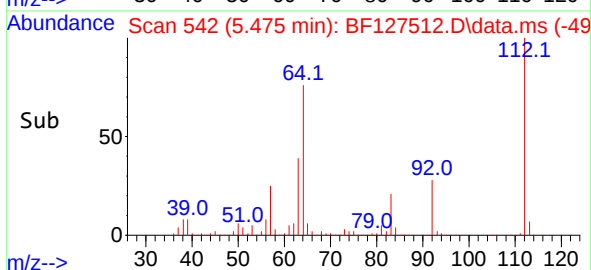
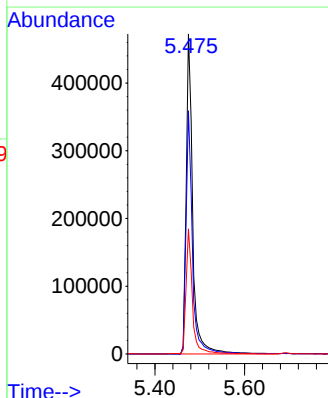
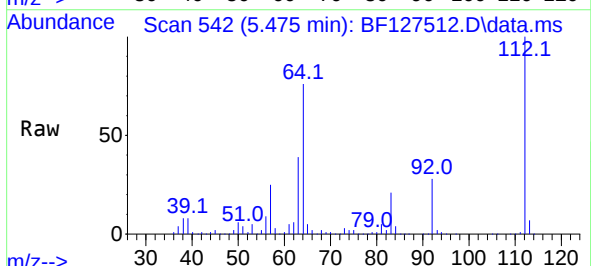
Manual Integrations
APPROVED

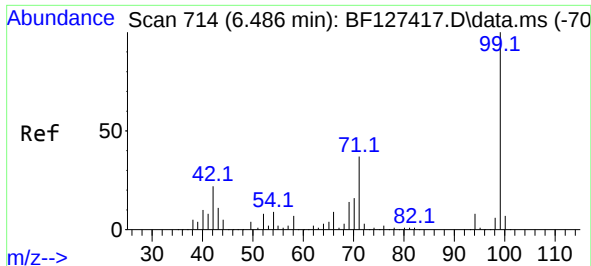
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#5
2-Fluorophenol
Concen: 79.663 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

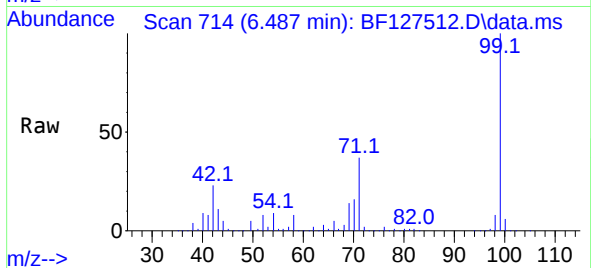
Tgt Ion:112 Resp: 474735
Ion Ratio Lower Upper
112 100
64 76.0 58.4 87.6
63 39.1 30.1 45.1





#7
Phenol-d6
Concen: 77.698 ng
RT: 6.487 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

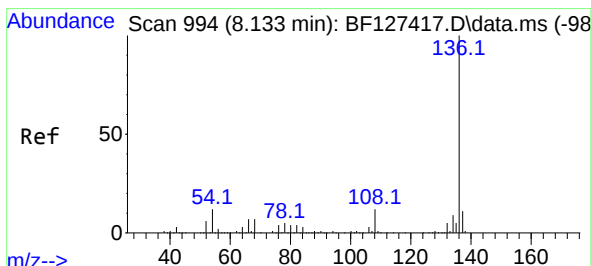
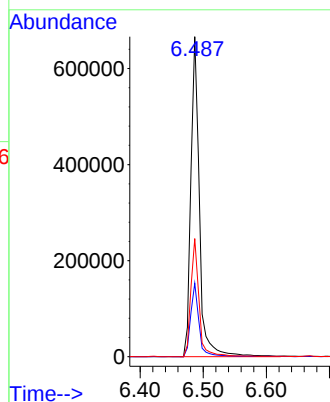
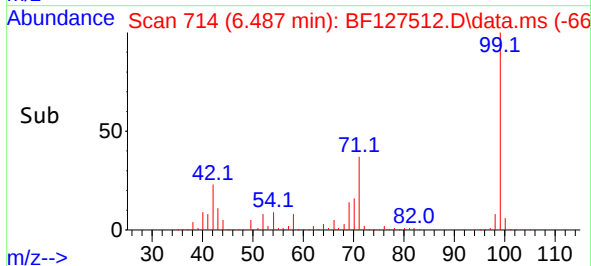
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0



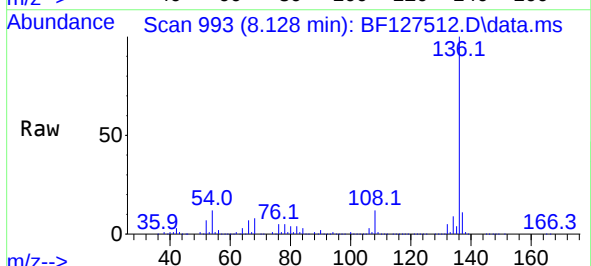
Tgt Ion: 99 Resp: 63291
Ion Ratio Lower Upper
99 100
42 23.0 17.8 26.6
71 36.9 29.6 44.4

Manual Integrations
APPROVED

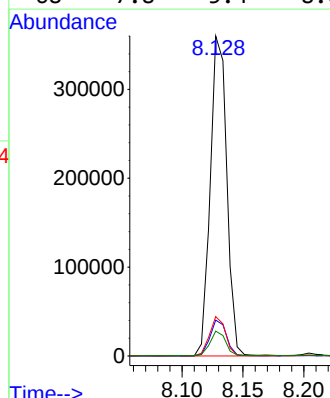
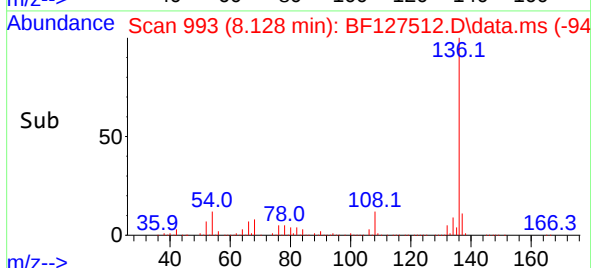
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

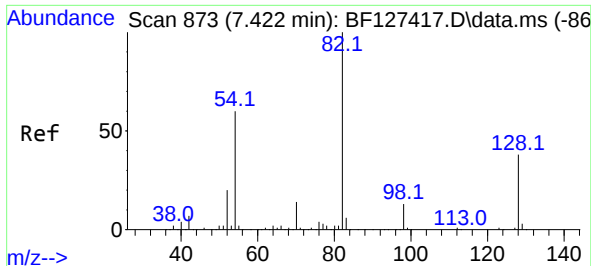


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47



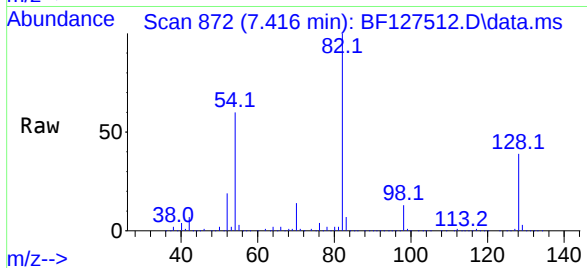
Tgt Ion:136 Resp: 340541
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 12.3 9.2 13.8
68 7.8 5.4 8.0





#23
Nitrobenzene-d5
Concen: 52.691 ng
RT: 7.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

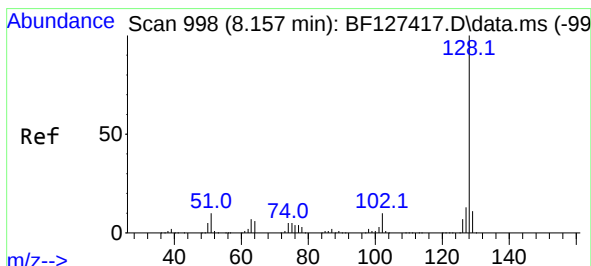
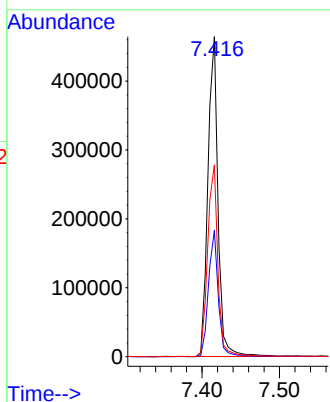
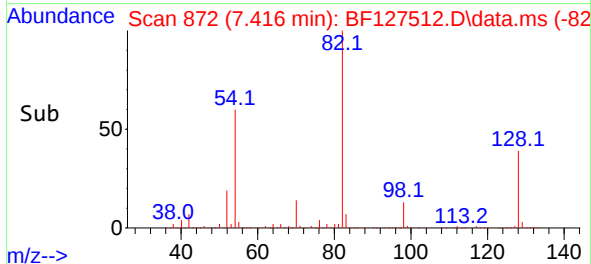
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0



Tgt Ion: 82 Resp: 419770
Ion Ratio Lower Upper
82 100
128 39.5 30.6 45.8
54 59.9 48.2 72.2

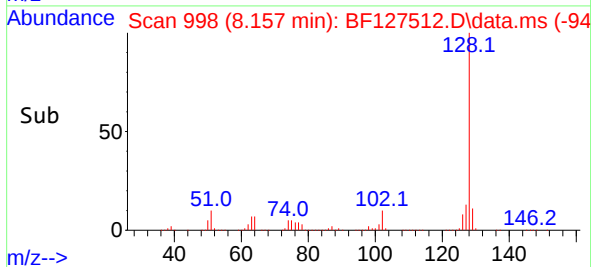
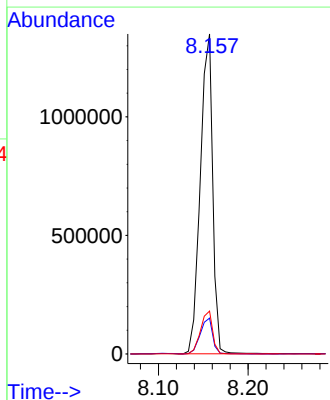
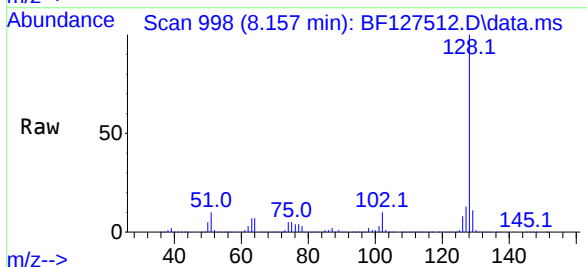
Manual Integrations
APPROVED

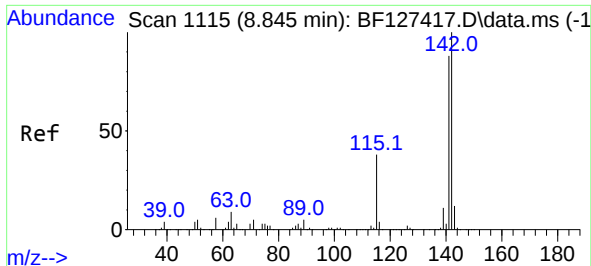
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#31
Naphthalene
Concen: 71.435 ng
RT: 8.157 min Scan# 998
Delta R.T. 0.000 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

Tgt Ion:128 Resp: 1291528
Ion Ratio Lower Upper
128 100
129 11.2 8.4 12.6
127 13.4 10.2 15.2





#37

2-Methylnaphthalene

Concen: 37.327 ng

RT: 8.845 min Scan# 1115

Delta R.T. 0.000 min

Lab File: BF127512.D

Acq: 24 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

RW-1-20220321-19.0-20.0

Tgt Ion:142 Resp: 43394

Ion Ratio Lower Upper

142 100

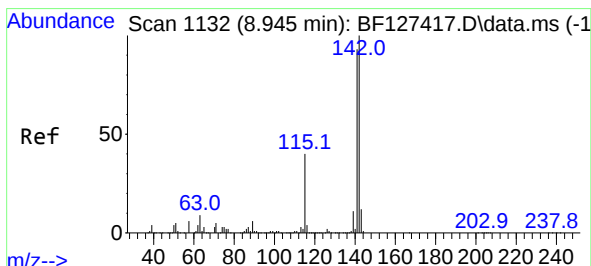
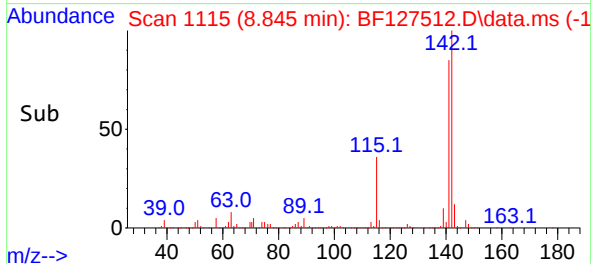
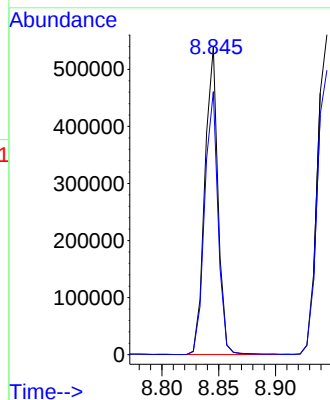
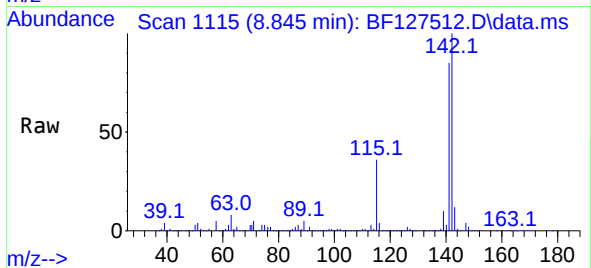
141 85.4 70.6 106.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/25/2022

Supervised By :Jagrut Upadhyay 03/25/2022



#38

1-Methylnaphthalene

Concen: 41.820 ng

RT: 8.945 min Scan# 1132

Delta R.T. 0.000 min

Lab File: BF127512.D

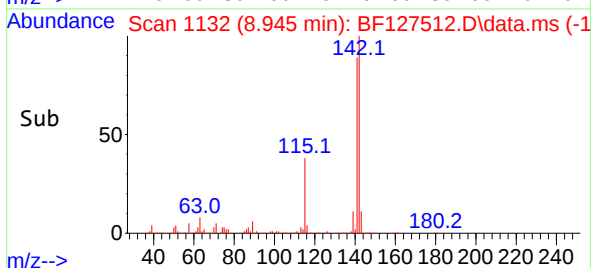
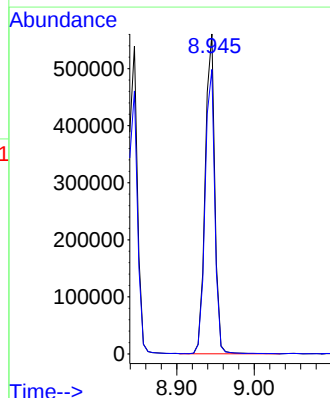
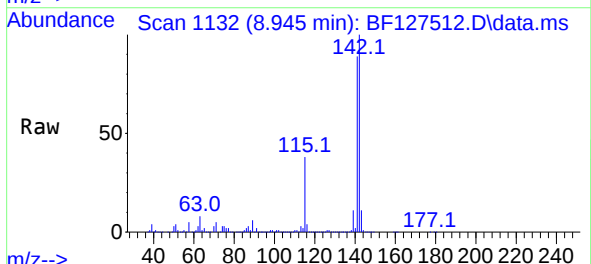
Acq: 24 Mar 2022 19:47

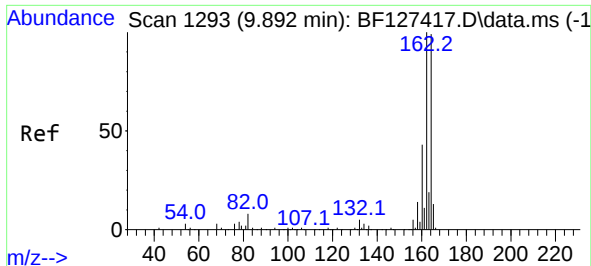
Tgt Ion:142 Resp: 480743

Ion Ratio Lower Upper

142 100

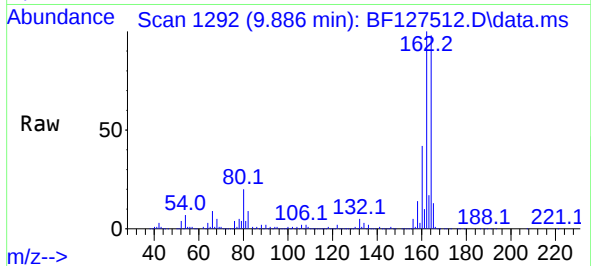
141 88.9 74.2 111.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

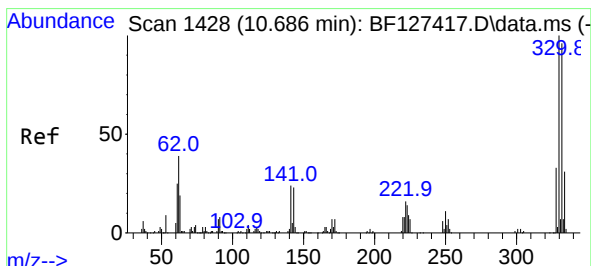
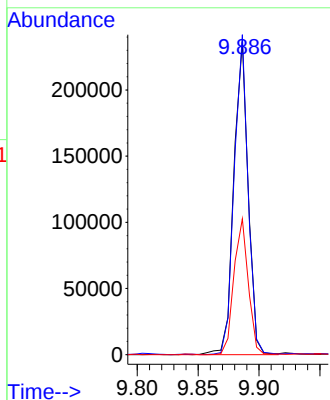
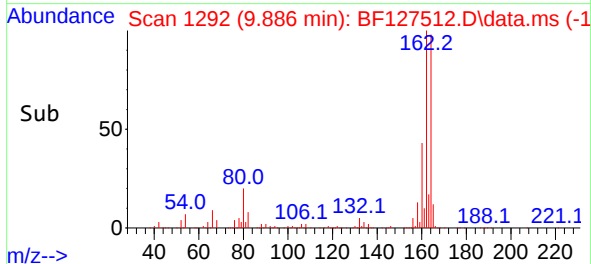
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0



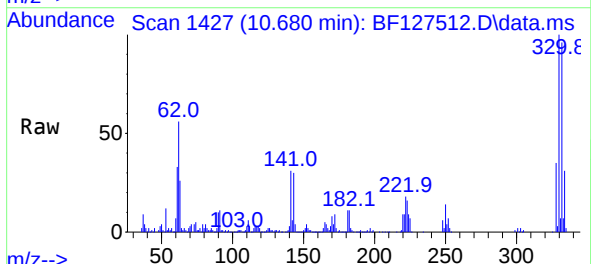
Tgt Ion:164 Resp: 19323
Ion Ratio Lower Upper
164 100
162 102.2 81.2 121.8
160 43.4 34.6 52.0

Manual Integrations
APPROVED

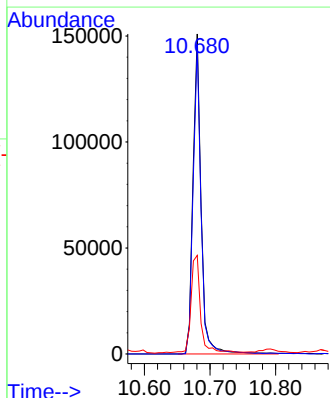
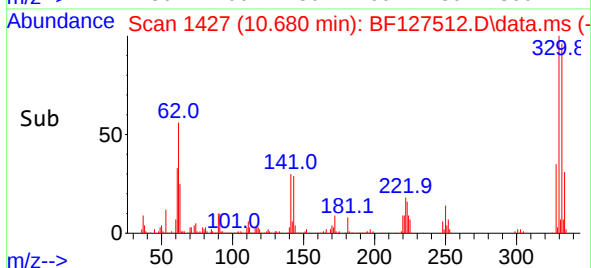
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

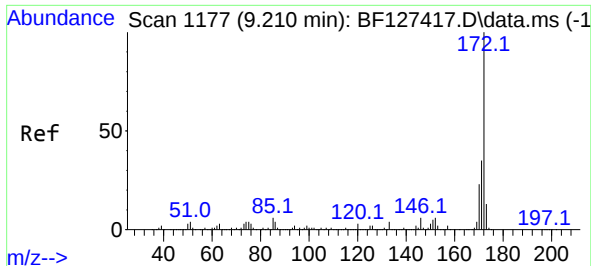


#42
2,4,6-Tribromophenol
Concen: 62.678 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47



Tgt Ion:330 Resp: 129016
Ion Ratio Lower Upper
330 100
332 95.1 79.1 118.7
141 36.7 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 51.481 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF127512.D

Acq: 24 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

RW-1-20220321-19.0-20.0

Tgt Ion:172 Resp: 681249

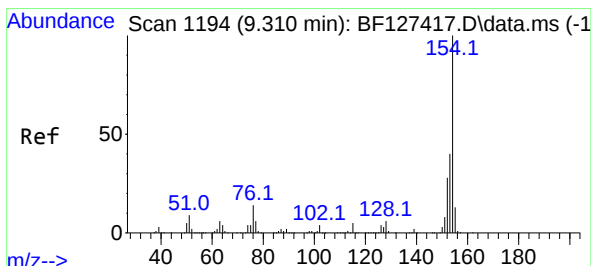
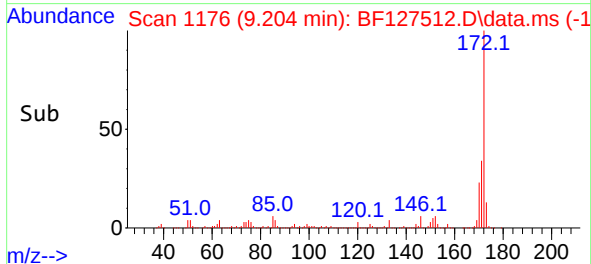
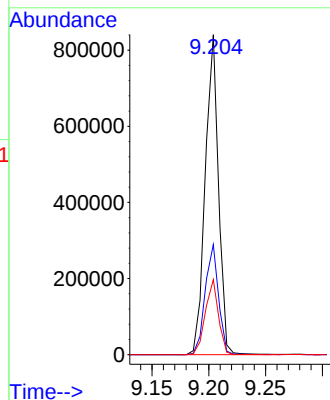
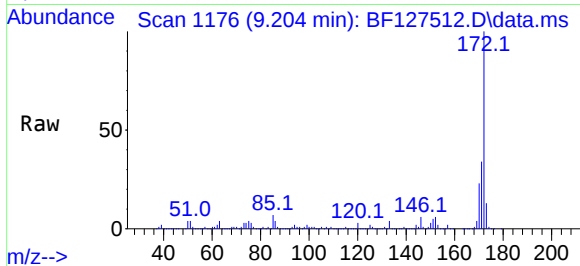
Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.4	42.6
170	23.5	18.6	27.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/25/2022

Supervised By :Jagrut Upadhyay 03/25/2022



#46

1,1'-Biphenyl

Concen: 7.778 ng

RT: 9.304 min Scan# 1193

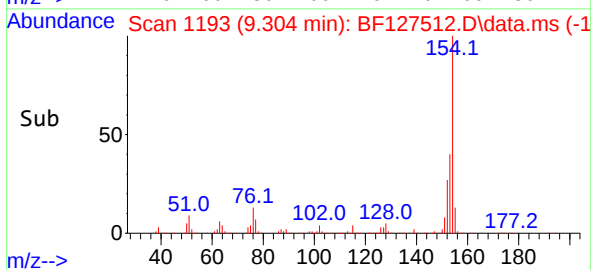
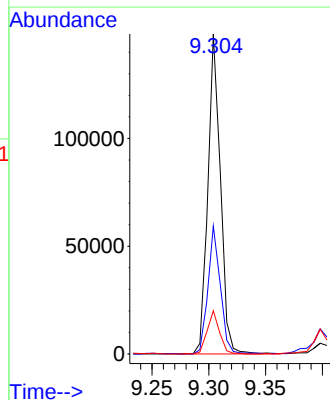
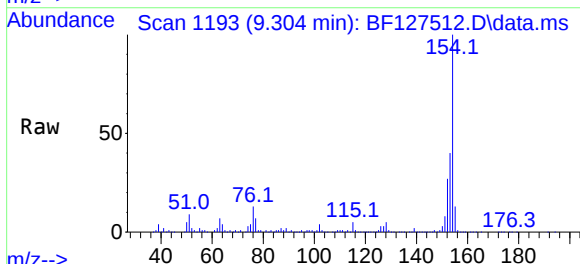
Delta R.T. -0.006 min

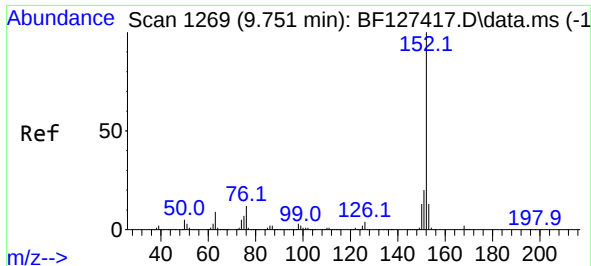
Lab File: BF127512.D

Acq: 24 Mar 2022 19:47

Tgt Ion:154 Resp: 113517

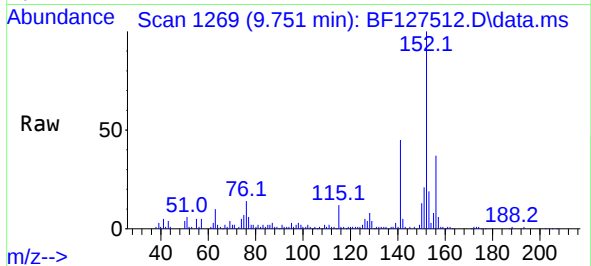
Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.3	60.3
76	13.5	0.0	33.9





#49
Acenaphthylene
Concen: 2.881 ng
RT: 9.751 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

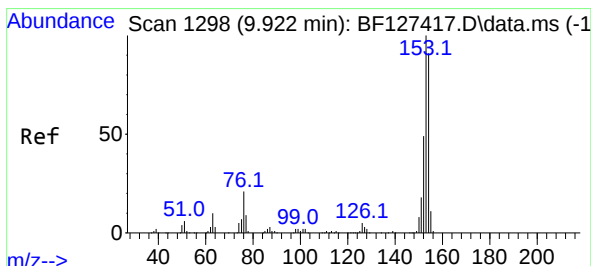
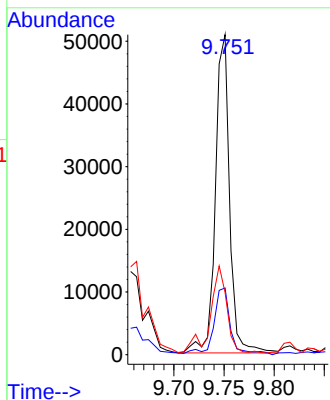
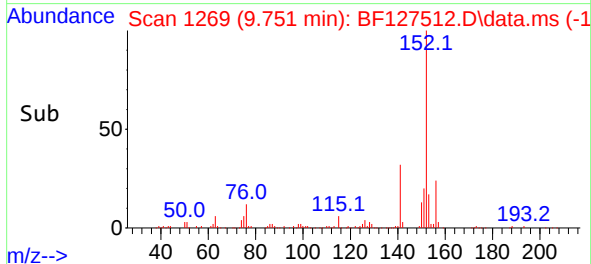
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0



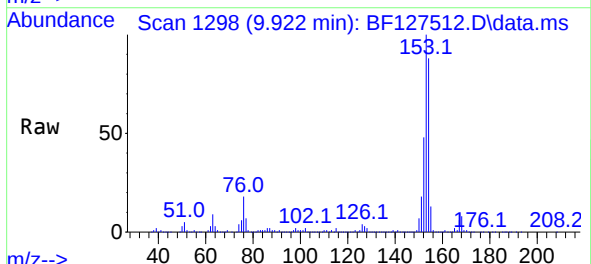
Tgt Ion:152 Resp: 50052
Ion Ratio Lower Upper
152 100
151 20.9 15.8 23.8
153 19.4 10.5 15.7

Manual Integrations
APPROVED

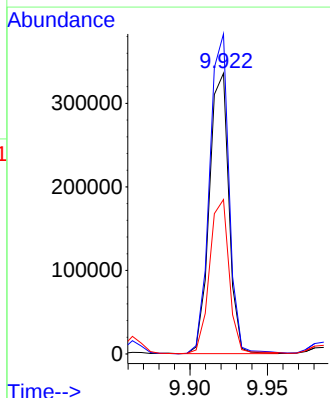
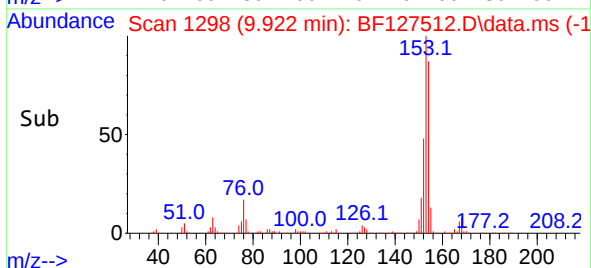
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

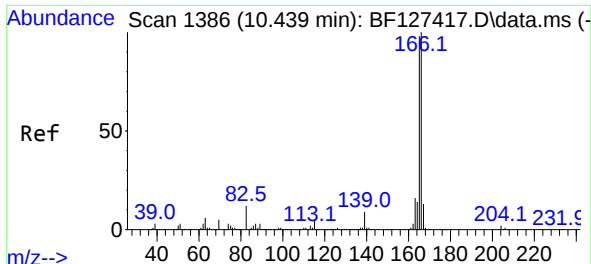


#52
Acenaphthene
Concen: 28.975 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47



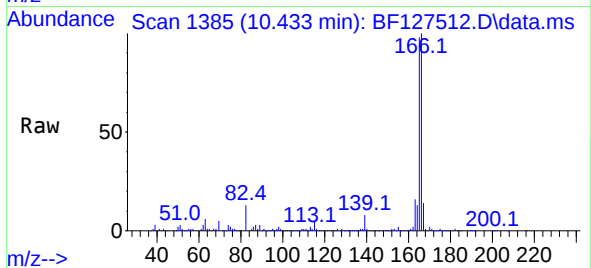
Tgt Ion:154 Resp: 293718
Ion Ratio Lower Upper
154 100
153 114.0 87.6 131.4
152 55.0 42.9 64.3





#58
Fluorene
Concen: 17.716 ng
RT: 10.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

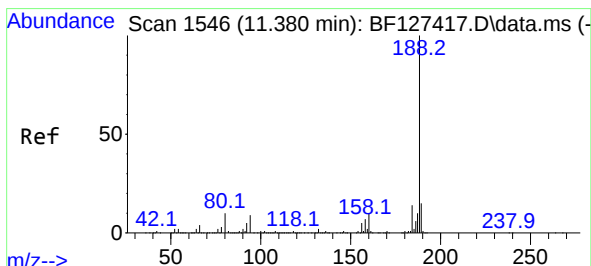
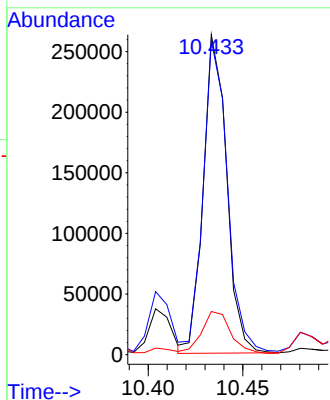
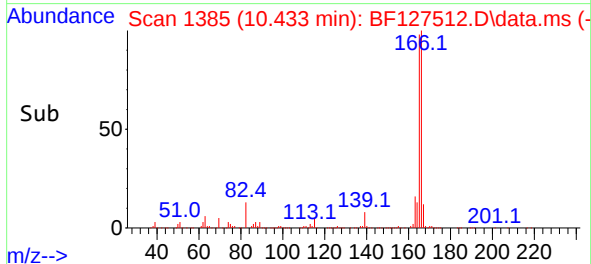
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0



Tgt Ion:166 Resp: 22535
Ion Ratio Lower Upper
166 100
165 98.3 78.1 117.1
167 13.5 10.5 15.7

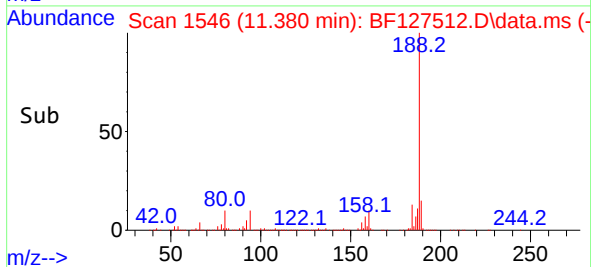
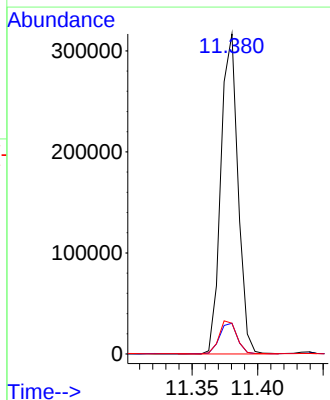
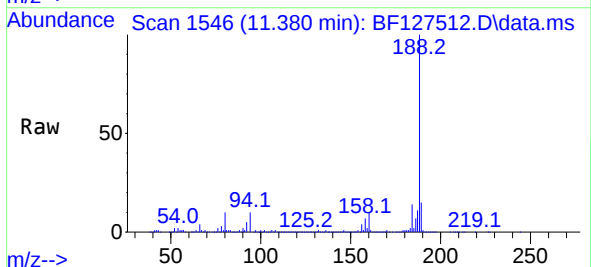
Manual Integrations
APPROVED

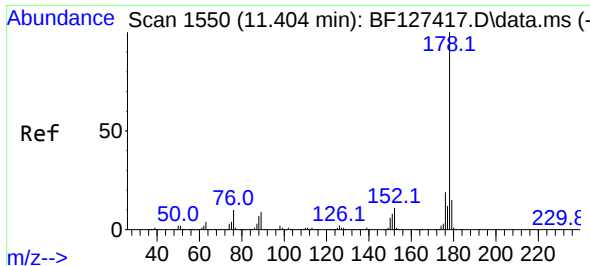
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

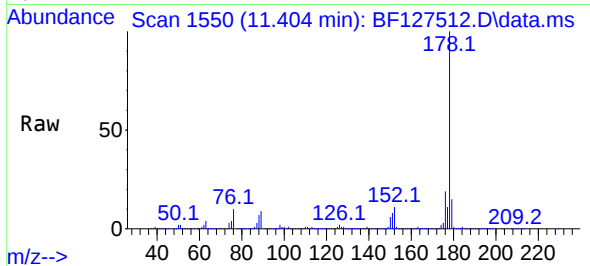
Tgt Ion:188 Resp: 286661
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.0
80 9.6 8.0 12.0





#71
Phenanthrene
Concen: 64.205 ng
RT: 11.404 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

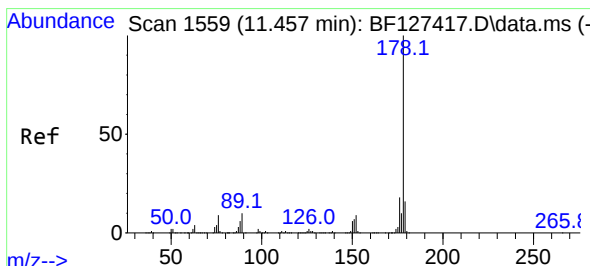
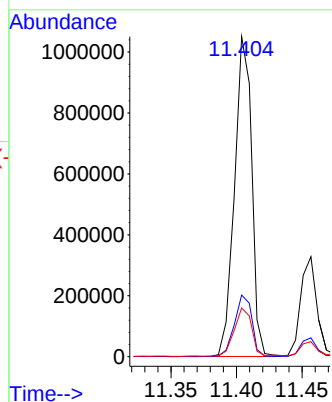
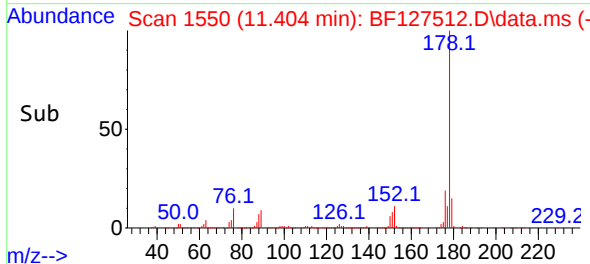
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0



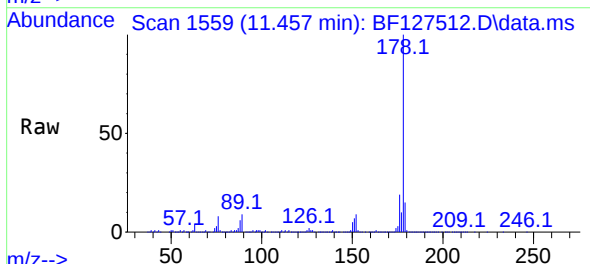
Tgt Ion:178 Resp: 959538
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.2 12.4 18.6

Manual Integrations
APPROVED

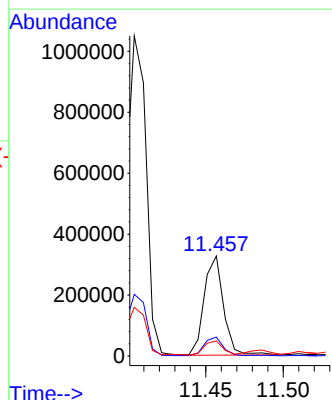
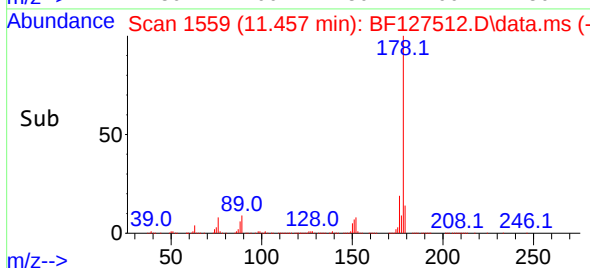
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

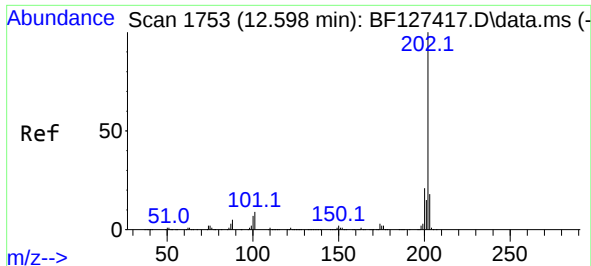


#72
Anthracene
Concen: 19.094 ng
RT: 11.457 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47



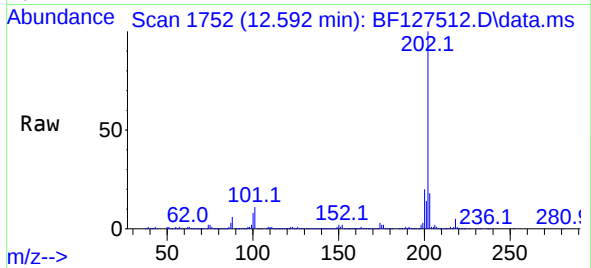
Tgt Ion:178 Resp: 283179
Ion Ratio Lower Upper
178 100
176 18.9 14.6 22.0
179 15.0 12.4 18.6





#75
Fluoranthene
Concen: 19.303 ng
RT: 12.592 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

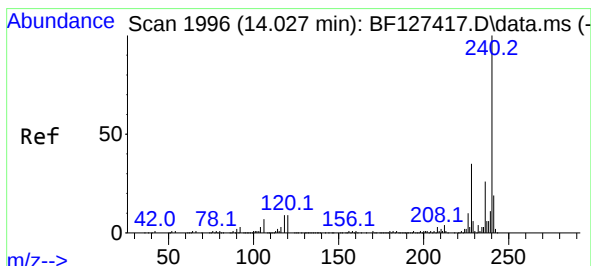
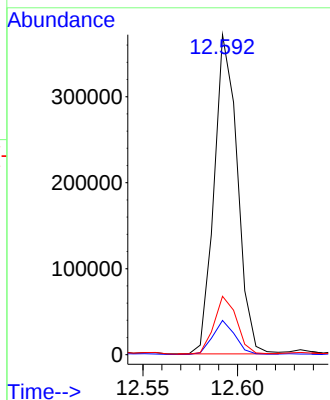
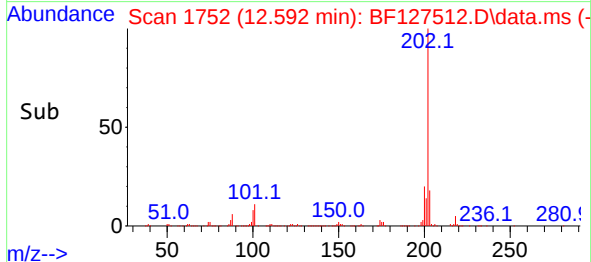
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0



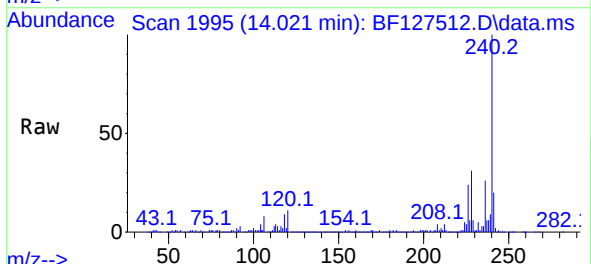
Tgt Ion:202 Resp: 317295
Ion Ratio Lower Upper
202 100
101 10.7 0.0 29.0
203 18.2 0.0 37.7

Manual Integrations
APPROVED

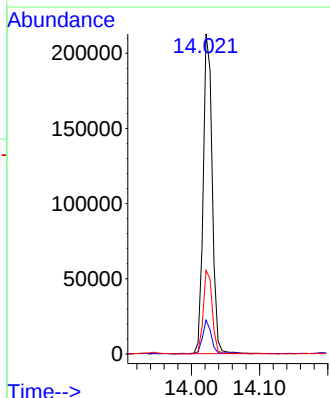
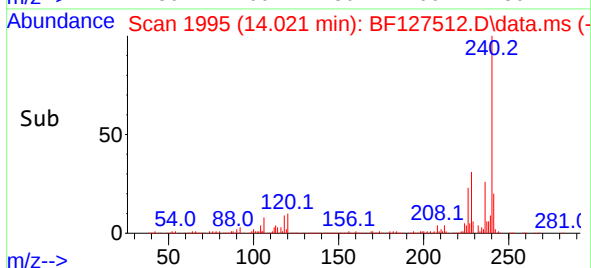
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

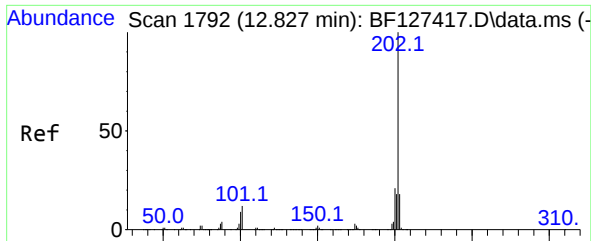


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47



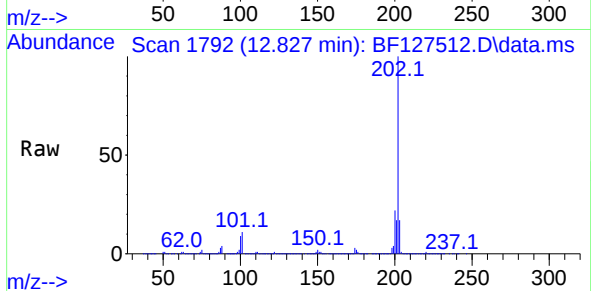
Tgt Ion:240 Resp: 195587
Ion Ratio Lower Upper
240 100
120 10.6 7.1 10.7
236 26.1 20.7 31.1





#78
Pyrene
Concen: 29.813 ng
RT: 12.827 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

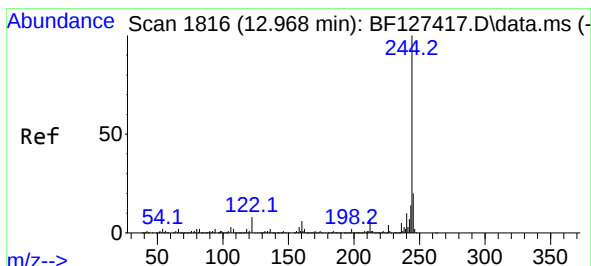
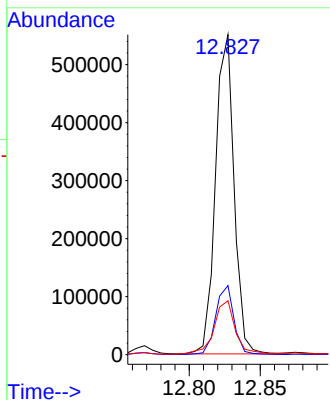
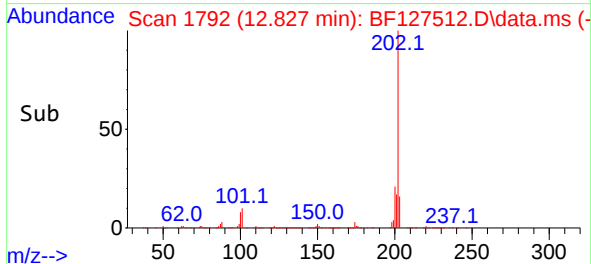
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0



Tgt Ion:202 Resp: 50043
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 16.9 14.3 21.5

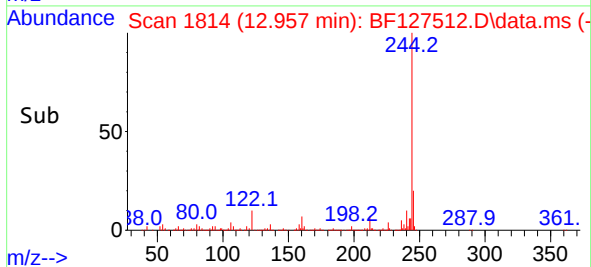
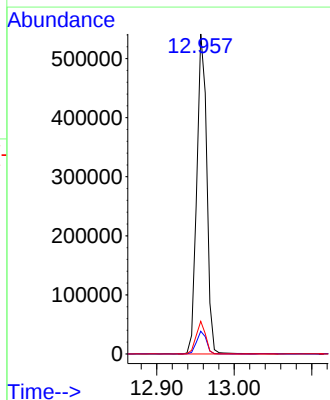
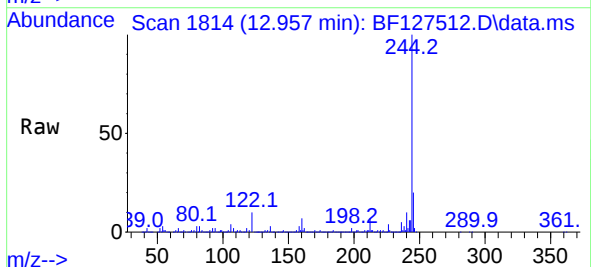
Manual Integrations
APPROVED

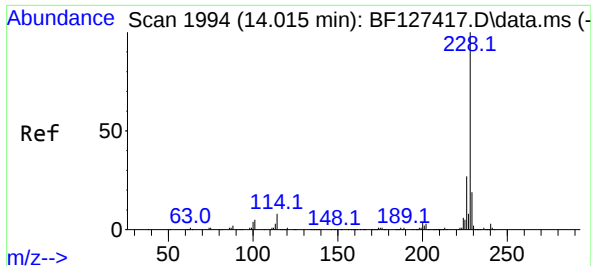
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#79
Terphenyl-d14
Concen: 40.471 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

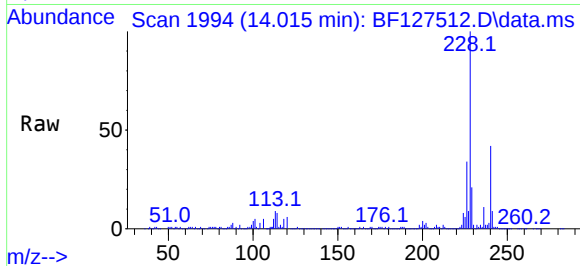
Tgt Ion:244 Resp: 483541
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 10.2 6.2 9.2#





#81
Benzo(a)anthracene
Concen: 11.550 ng
RT: 14.015 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

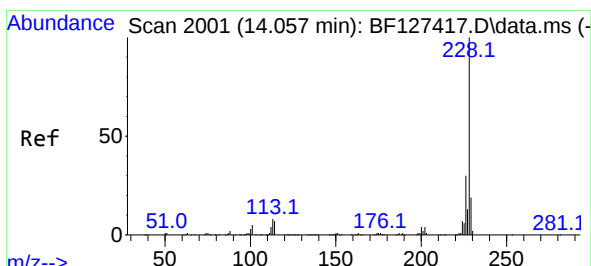
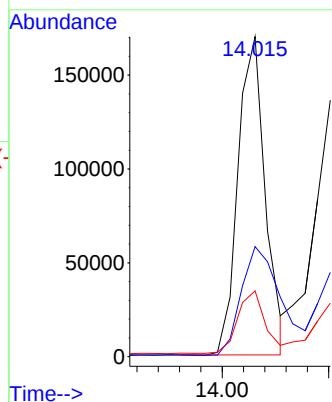
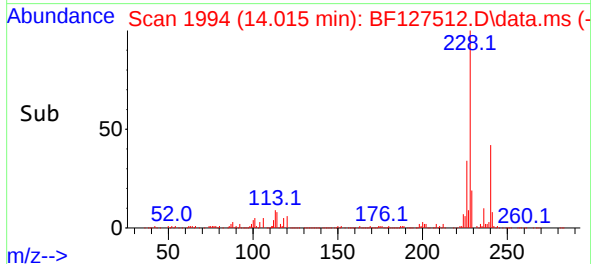
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0



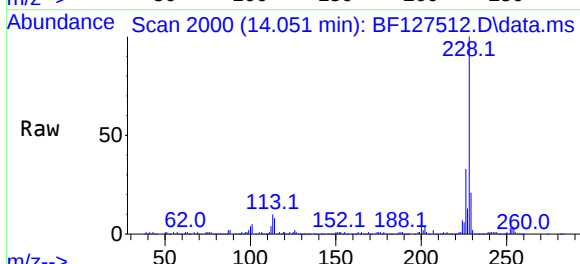
Tgt Ion:228 Resp: 151070
Ion Ratio Lower Upper
228 100
226 34.4 21.6 32.4
229 20.6 15.4 23.2

Manual Integrations
APPROVED

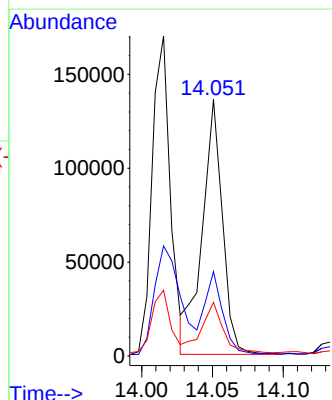
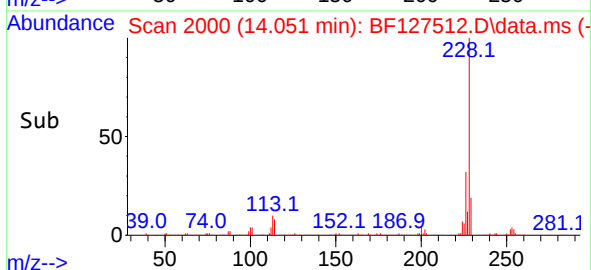
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

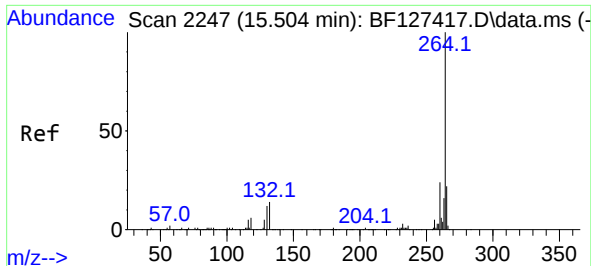


#83
Chrysene
Concen: 10.956 ng m
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47



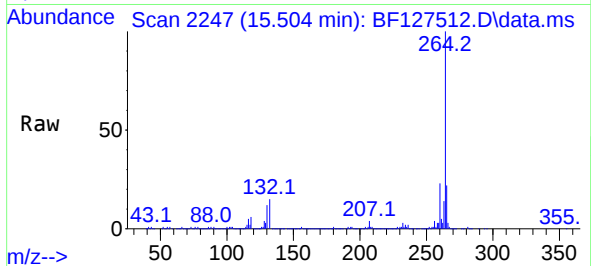
Tgt Ion:228 Resp: 135693
Ion Ratio Lower Upper
228 100
226 32.9 24.2 36.4
229 20.9 15.4 23.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2247
Delta R.T. 0.000 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

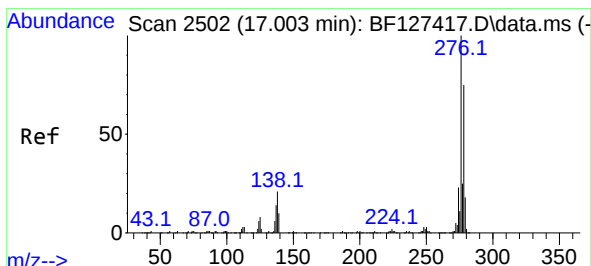
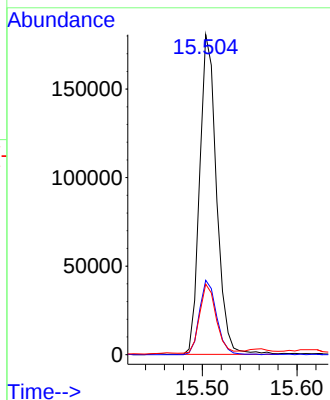
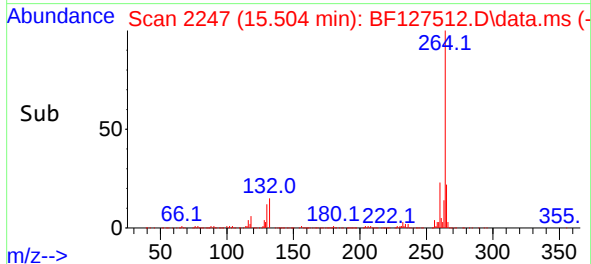
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0



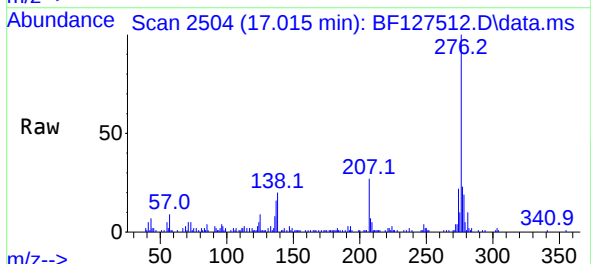
Tgt Ion:264 Resp: 223119
Ion Ratio Lower Upper
264 100
260 23.3 19.1 28.7
265 22.0 17.4 26.2

Manual Integrations
APPROVED

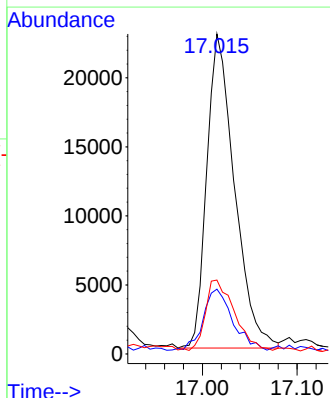
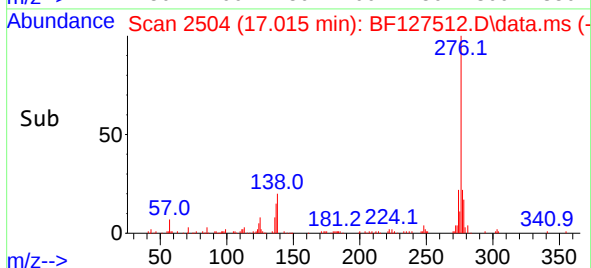
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

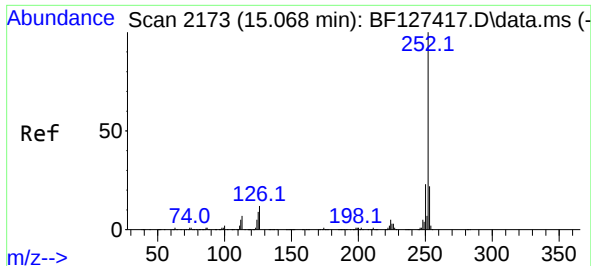


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.062 ng
RT: 17.015 min Scan# 2504
Delta R.T. 0.012 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47



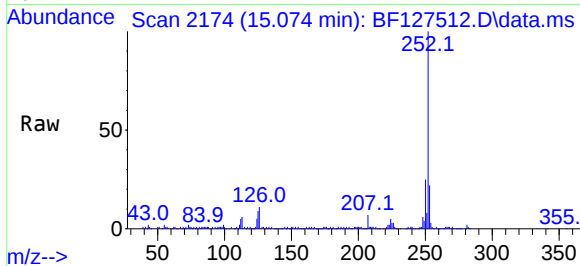
Tgt Ion:276 Resp: 46222
Ion Ratio Lower Upper
276 100
138 20.5 17.1 25.7
277 23.2 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 7.974 ng m
RT: 15.074 min Scan# 2173
Delta R.T. 0.006 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

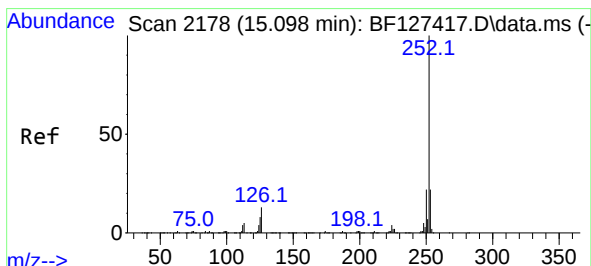
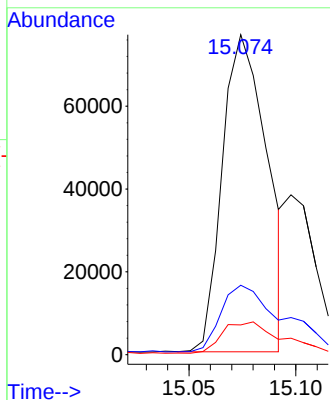
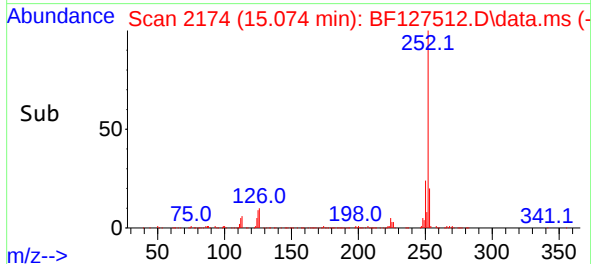
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0



Tgt Ion:252 Resp: 11218
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 9.3 7.0 10.4

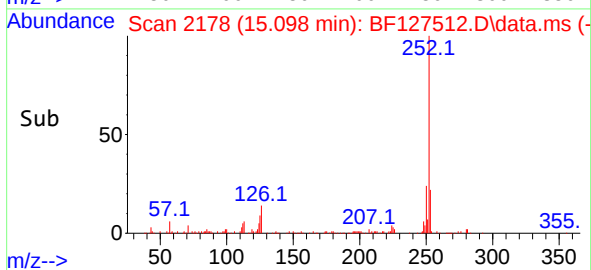
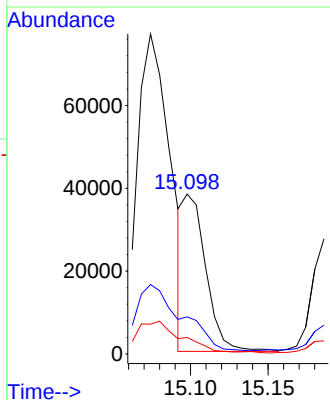
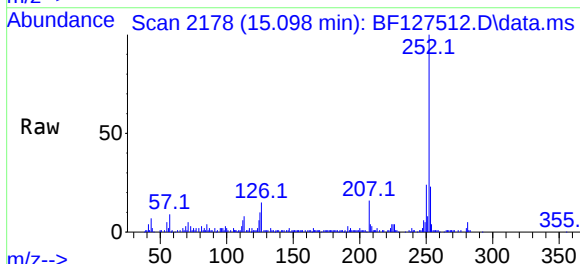
Manual Integrations
APPROVED

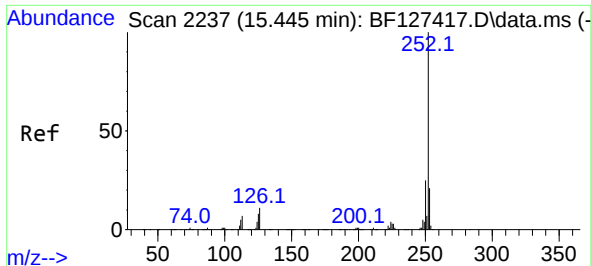
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#89
Benzo(k)fluoranthene
Concen: 2.636 ng m
RT: 15.098 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

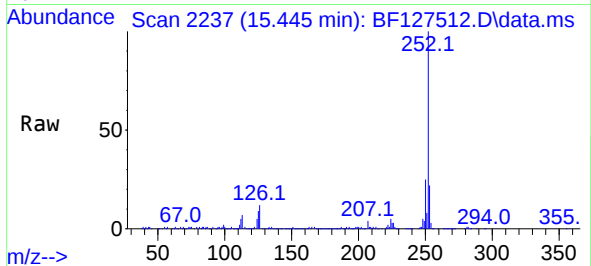
Tgt Ion:252 Resp: 38439
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 10.3 6.9 10.3





#90
Benzo(a)pyrene
Concen: 12.865 ng
RT: 15.445 min Scan# 211
Delta R.T. 0.000 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47

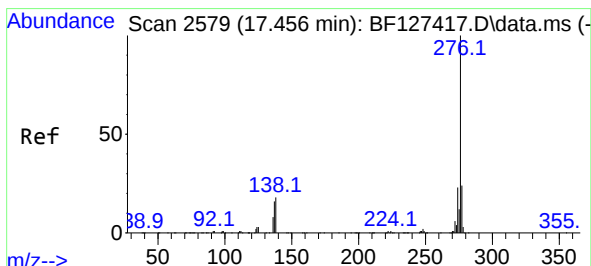
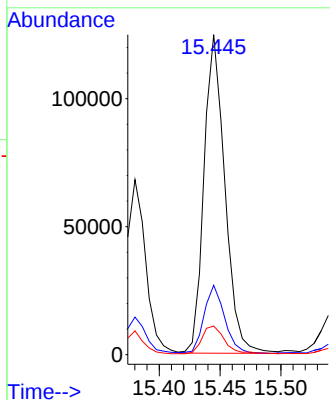
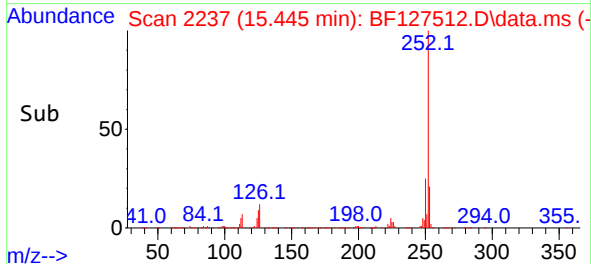
Instrument :
BNA_F
ClientSampleId :
RW-1-20220321-19.0-20.0



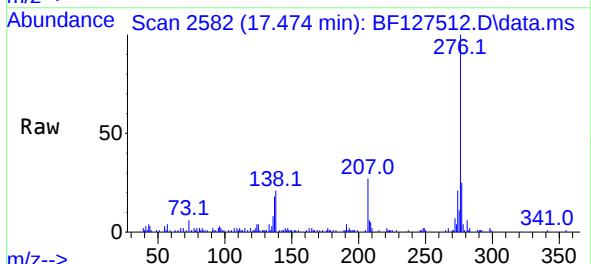
Tgt Ion:252 Resp: 148529
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 9.0 6.7 10.1

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 3.602 ng
RT: 17.474 min Scan# 2582
Delta R.T. 0.018 min
Lab File: BF127512.D
Acq: 24 Mar 2022 19:47



Tgt Ion:276 Resp: 46411
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.4
138 21.3 14.6 22.0

