

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032922\
 Data File : BF127577.D
 Acq On : 29 Mar 2022 20:46
 Operator : CG\JU
 Sample : N2125-01DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-124030DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/30/2022
 Supervised By : Jagrut Upadhyay 03/30/2022

Quant Time: Mar 30 08:33:01 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 29 07:13:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	87566	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	309743	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	159437	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	240796	20.000	ng	0.00
76) Chrysene-d12	14.010	240	220574	20.000	ng	0.00
86) Perylene-d12	15.492	264	222229	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	43598	7.947	ng	0.01
7) Phenol-d6	6.487	99	63227	8.432	ng	0.00
23) Nitrobenzene-d5	7.404	82	40776	5.627	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	9014	5.307	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	55554	5.088	ng	0.00
79) Terphenyl-d14	12.939	244	53618	3.979	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.134	128	266048	16.178	ng	100
37) 2-Methylnaphthalene	8.828	142	216179	20.444	ng	99
38) 1-Methylnaphthalene	8.928	142	124213	11.880	ng	99
46) 1,1'-Biphenyl	9.292	154	56969	4.731	ng	99
52) Acenaphthene	9.904	154	147817	17.673	ng	96
55) Dibenzofuran	10.075	168	205433	14.799	ng	98
58) Fluorene	10.422	166	175890	16.620	ng	97
71) Phenanthrene	11.386	178	534442	42.572	ng	100
72) Anthracene	11.439	178	78475	6.299	ng	98
73) Carbazole	11.604	167	88237	7.406	ng	99
75) Fluoranthene	12.580	202	268194	19.423	ng	98
78) Pyrene	12.810	202	186774	9.866	ng	98
81) Benzo(a)anthracene	14.004	228	50095	3.396	ng	98
83) Chrysene	14.039	228	40256	2.882	ng	97
88) Benzo(b)fluoranthene	15.063	252	31096m	2.219	ng	

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

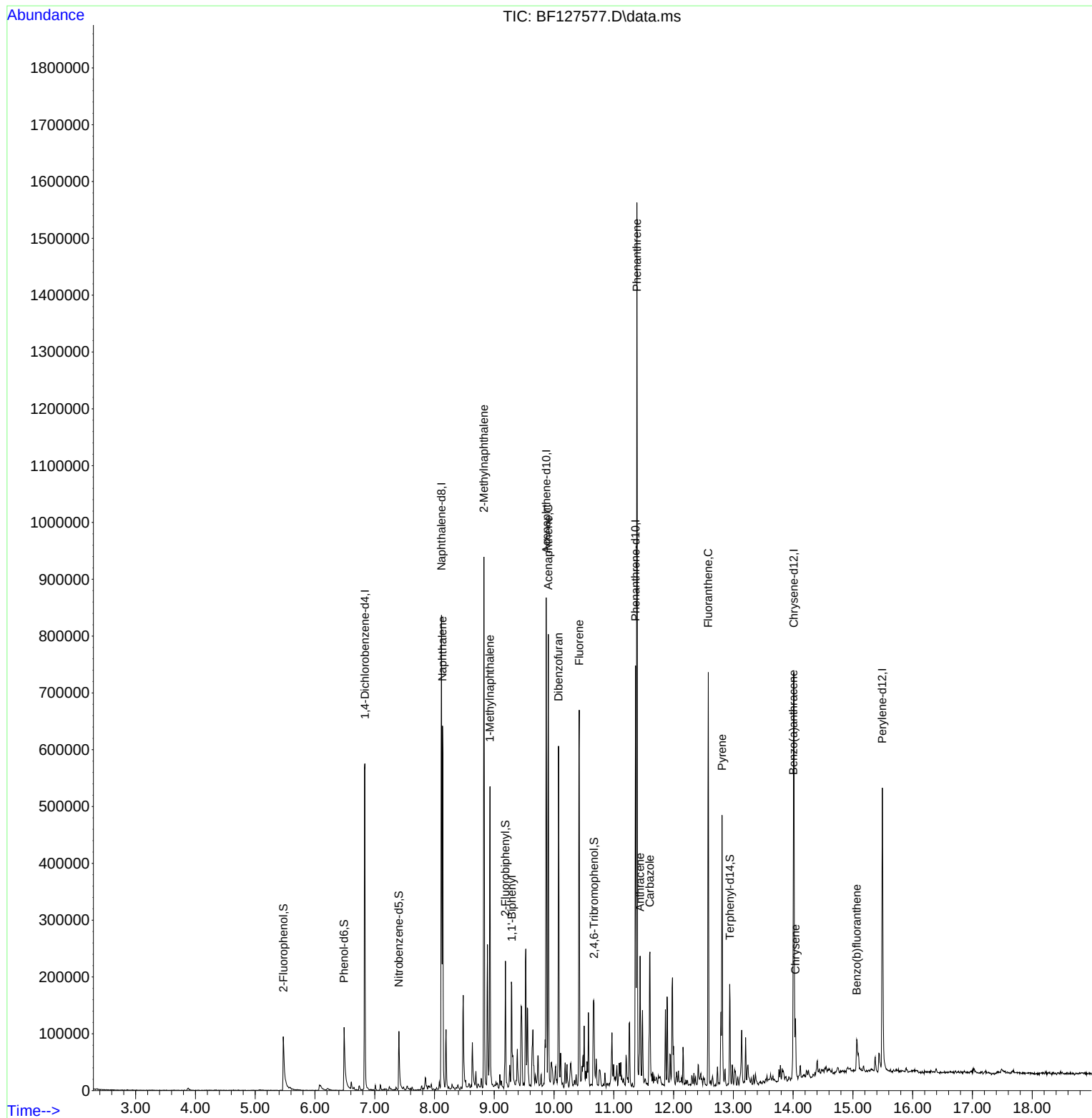
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032922\
Data File : BF127577.D
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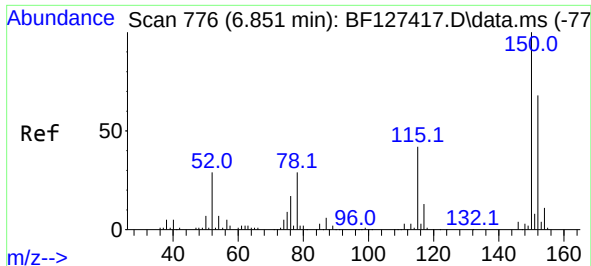
Instrument :
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Quant Time: Mar 30 08:33:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
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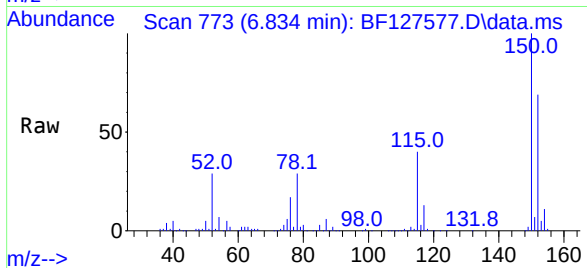
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

RO-124030DL

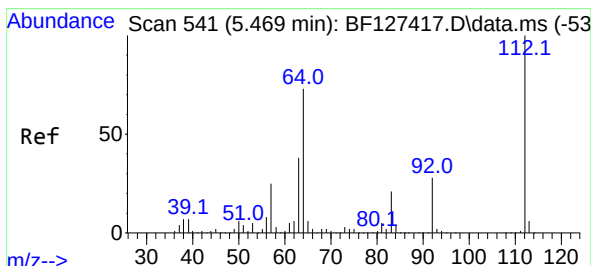
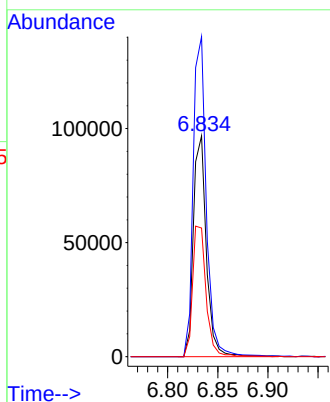
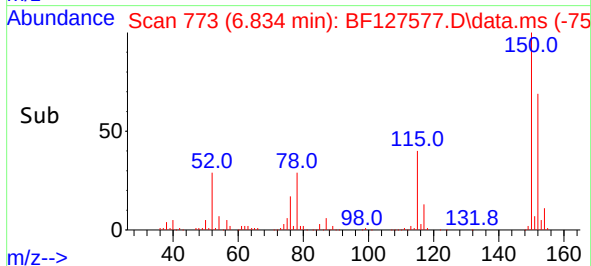


Tgt Ion:152 Resp: 87560
Ion Ratio Lower Upper
152 100
150 144.9 117.2 175.8
115 58.2 49.8 74.6

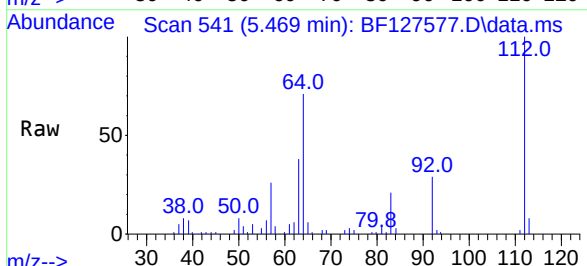
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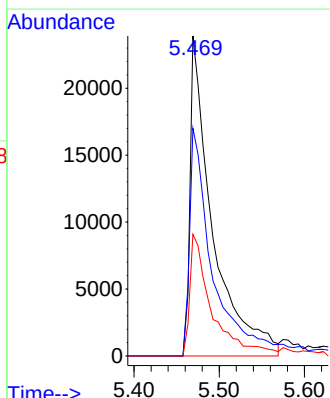
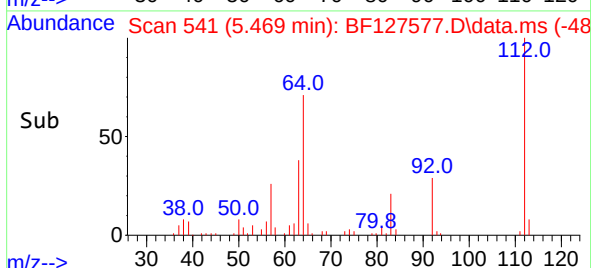
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Supervised By :Jagrut Upadhyay 03/30/2022

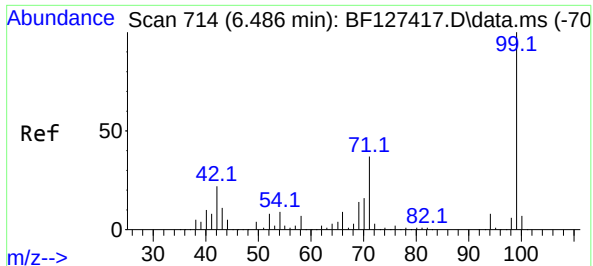


#5
2-Fluorophenol
Concen: 7.947 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.012 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46



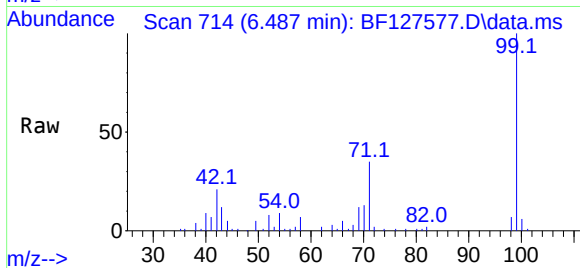
Tgt Ion:112 Resp: 43598
Ion Ratio Lower Upper
112 100
64 71.2 58.4 87.6
63 38.0 30.1 45.1





#7
Phenol-d6
Concen: 8.432 ng
RT: 6.487 min Scan# 714
Delta R.T. 0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

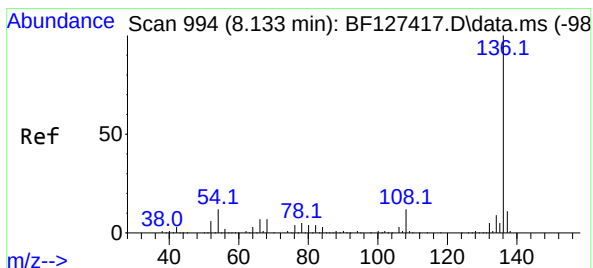
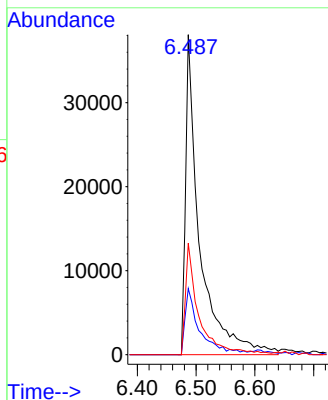
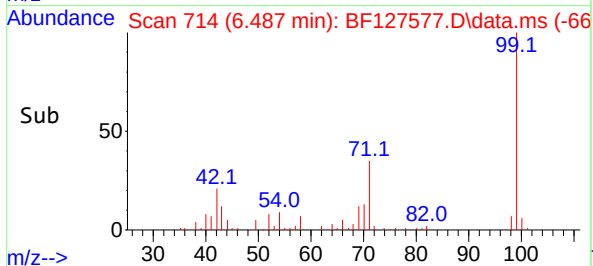
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BNA_F
ClientSampleId :
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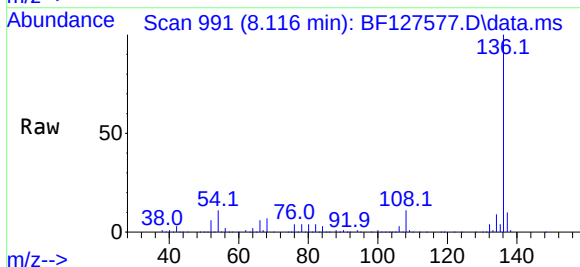
Tgt Ion: 99 Resp: 6322
Ion Ratio Lower Upper
99 100
42 20.7 17.8 26.6
71 34.9 29.6 44.4

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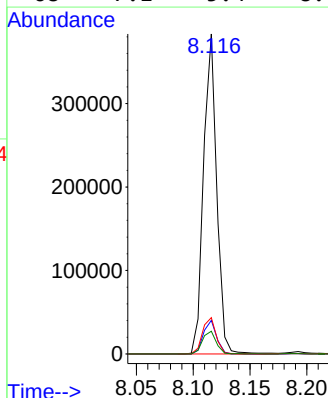
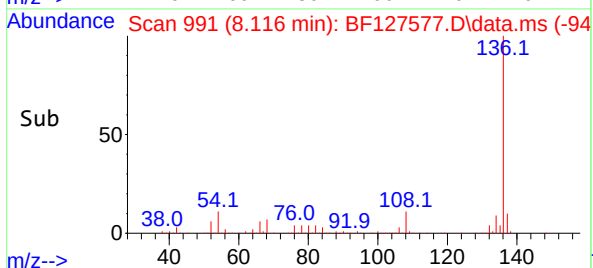
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

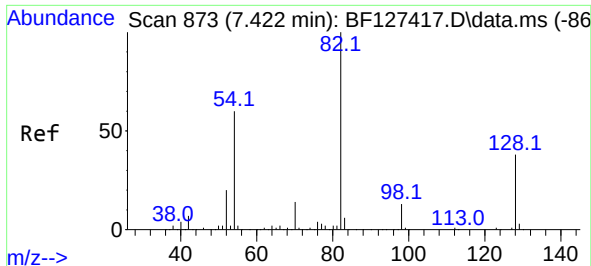


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46



Tgt Ion:136 Resp: 309743
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 11.3 9.2 13.8
68 7.1 5.4 8.0





#23
Nitrobenzene-d5
Concen: 5.627 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

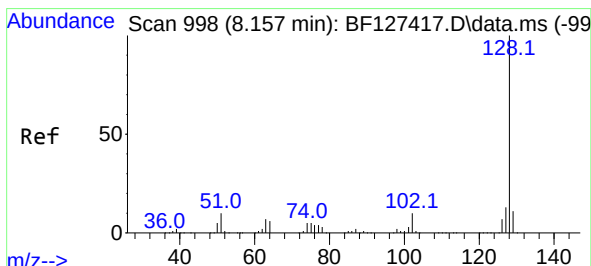
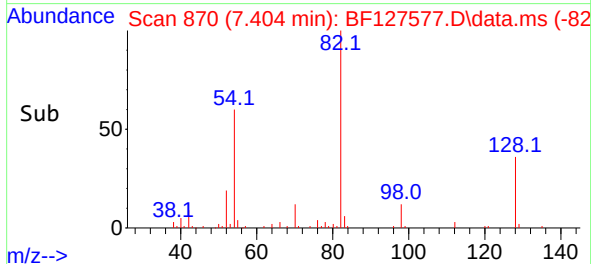
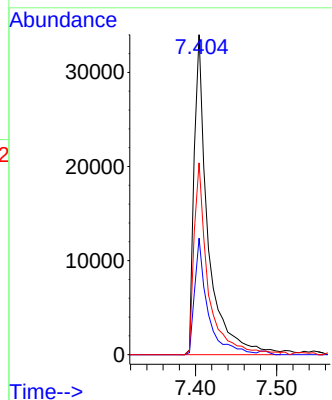
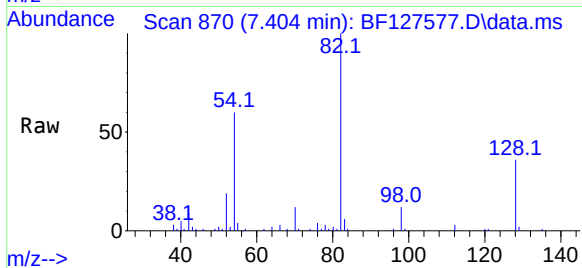
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Tgt Ion: 82 Resp: 40776
Ion Ratio Lower Upper
82 100
128 36.4 30.6 45.8
54 60.0 48.2 72.2

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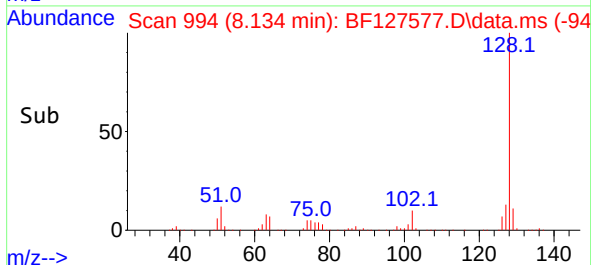
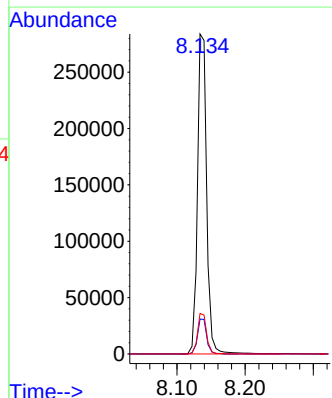
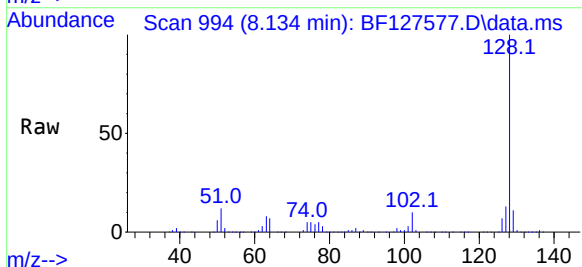
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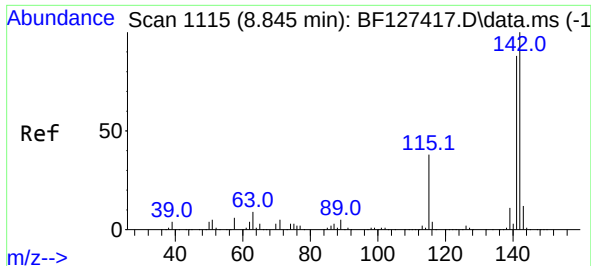
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#31
Naphthalene
Concen: 16.178 ng
RT: 8.134 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion:128 Resp: 266048
Ion Ratio Lower Upper
128 100
129 10.9 8.4 12.6
127 12.7 10.2 15.2





#37

2-Methylnaphthalene

Concen: 20.444 ng

RT: 8.828 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF127577.D

Acq: 29 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

RO-124030DL

Tgt Ion:142 Resp: 216179

Ion Ratio Lower Upper

142 100

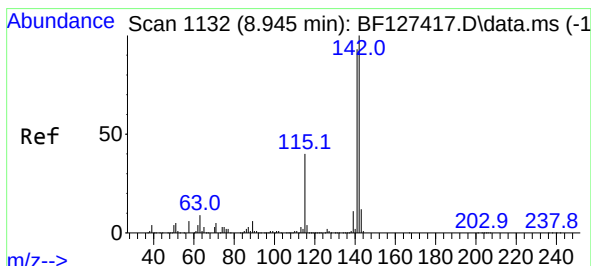
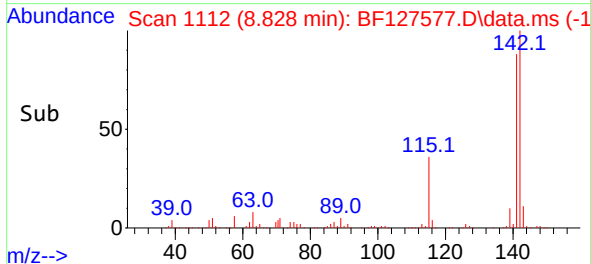
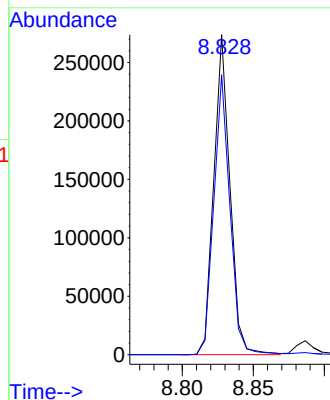
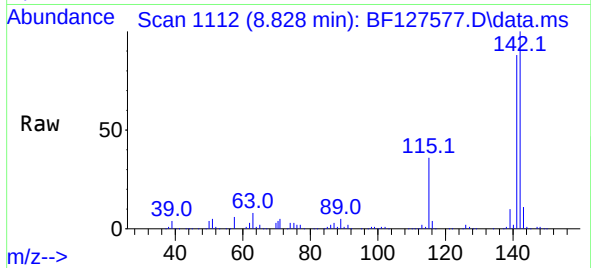
141 87.5 70.6 106.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/30/2022



#38

1-Methylnaphthalene

Concen: 11.880 ng

RT: 8.928 min Scan# 1129

Delta R.T. 0.000 min

Lab File: BF127577.D

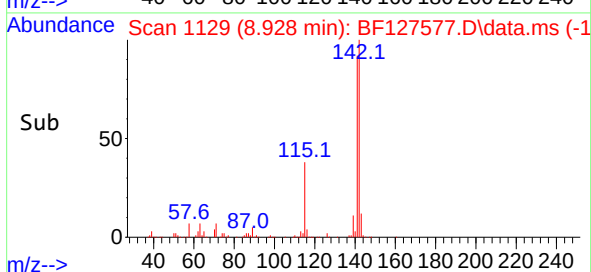
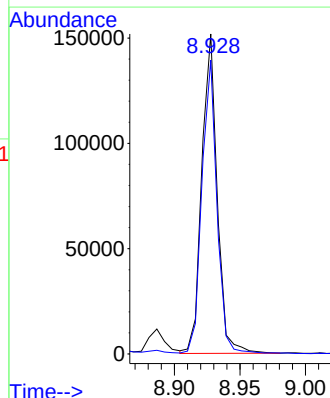
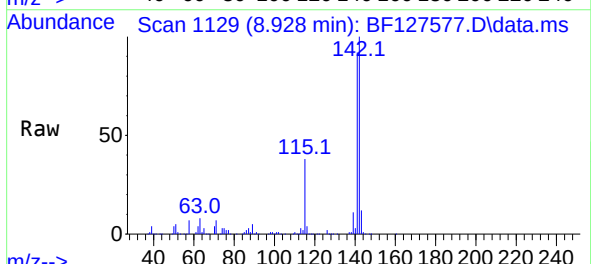
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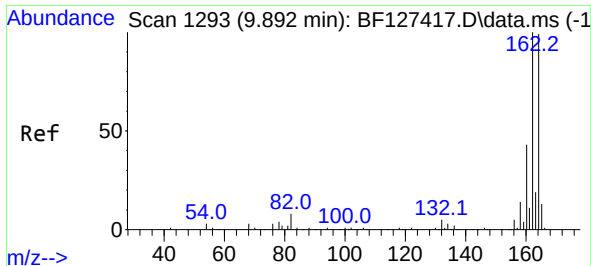
Tgt Ion:142 Resp: 124213

Ion Ratio Lower Upper

142 100

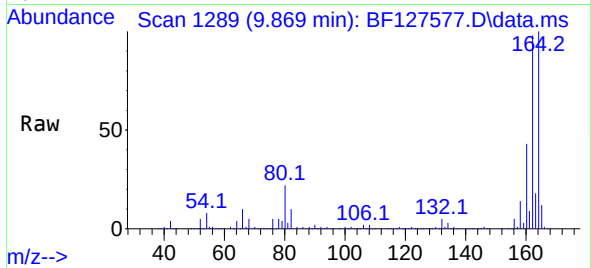
141 91.8 74.2 111.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

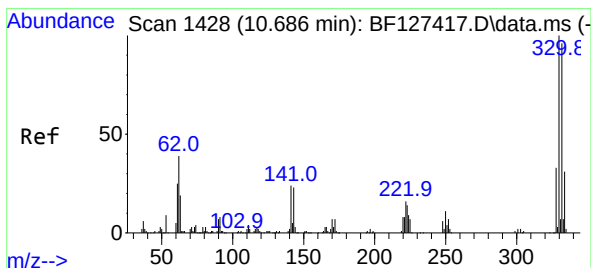
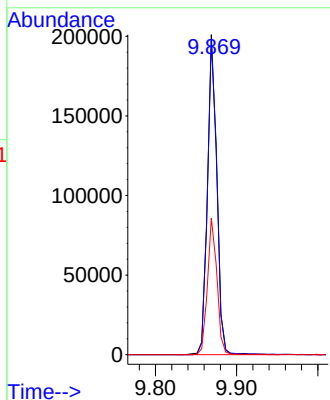
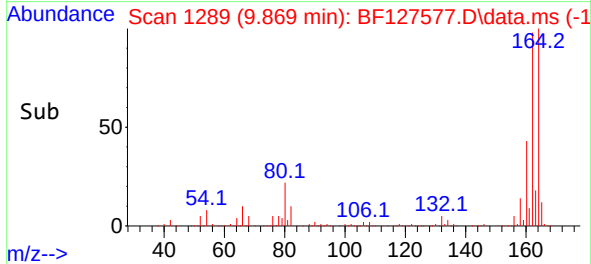
Instrument :
BNA_F
ClientSampleId :
RO-124030DL



Tgt Ion:164 Resp: 15943
Ion Ratio Lower Upper
164 100
162 98.1 81.2 121.8
160 42.7 34.6 52.0

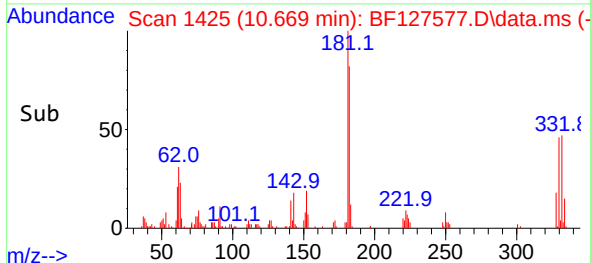
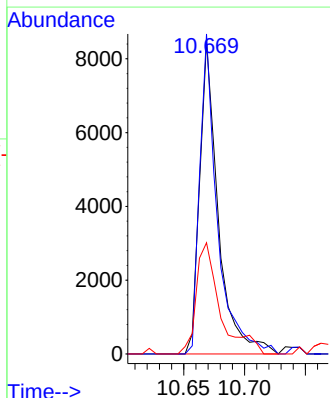
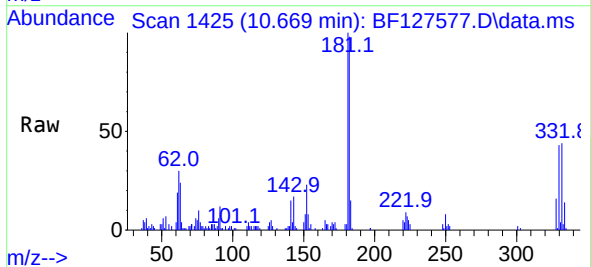
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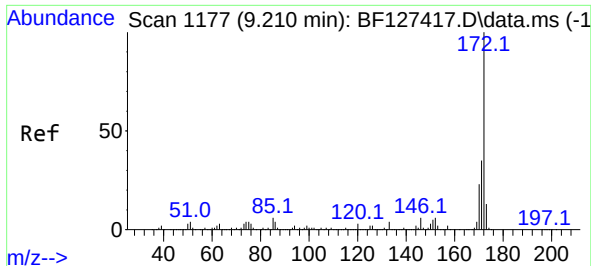
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#42
2,4,6-Tribromophenol
Concen: 5.307 ng
RT: 10.669 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion:330 Resp: 9014
Ion Ratio Lower Upper
330 100
332 97.2 79.1 118.7
141 45.3 26.2 39.4#





#45
2-Fluorobiphenyl
Concen: 5.088 ng
RT: 9.187 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

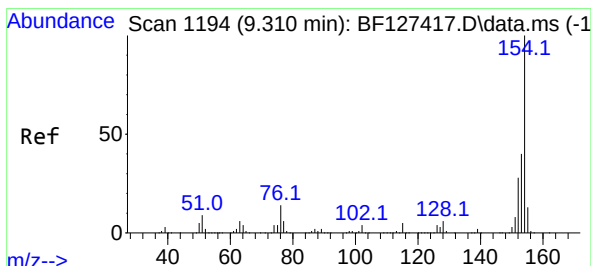
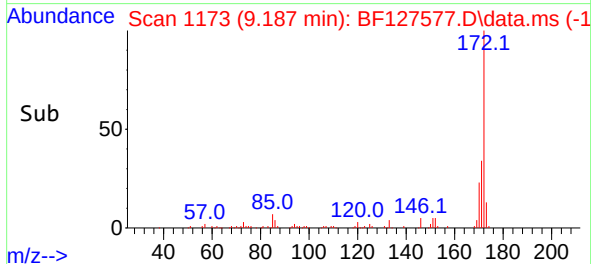
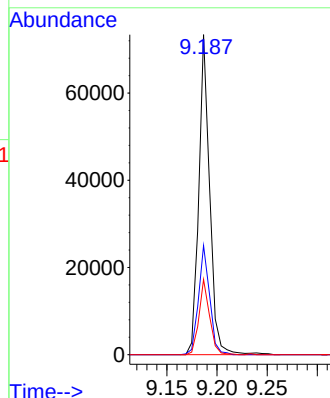
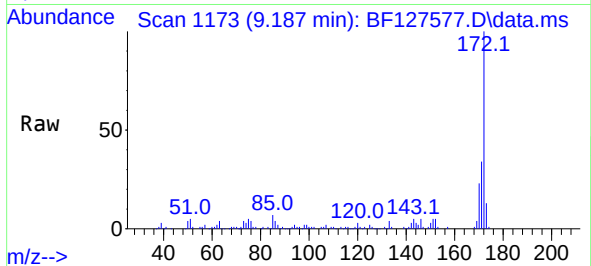
RO-124030DL

Tgt Ion:172 Resp: 5554
Ion Ratio Lower Upper
172 100
171 34.1 28.4 42.6
170 23.5 18.6 27.8

Manual Integrations

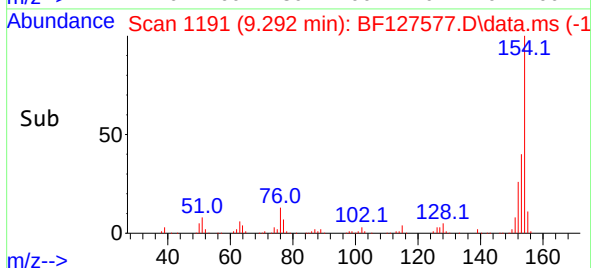
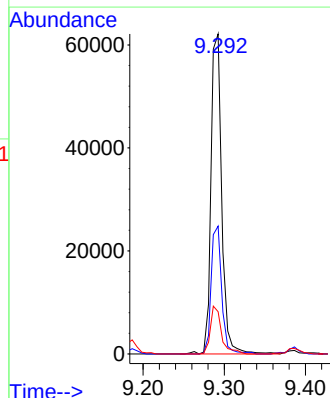
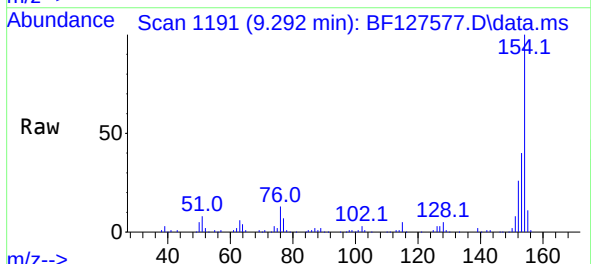
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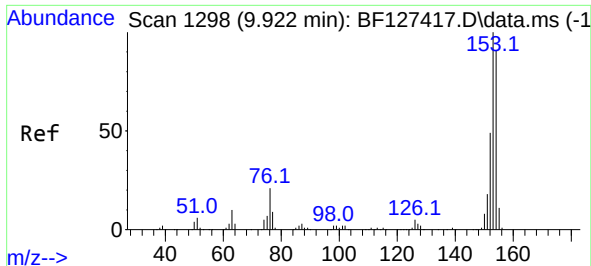
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#46
1,1'-Biphenyl
Concen: 4.731 ng
RT: 9.292 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion:154 Resp: 56969
Ion Ratio Lower Upper
154 100
153 39.9 20.3 60.3
76 13.2 0.0 33.9





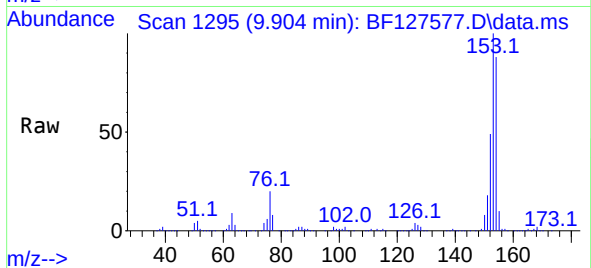
#52
Acenaphthene
Concen: 17.673 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

RO-124030DL

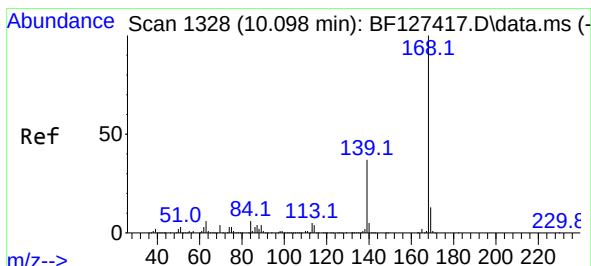
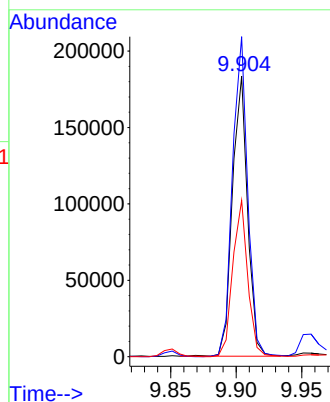
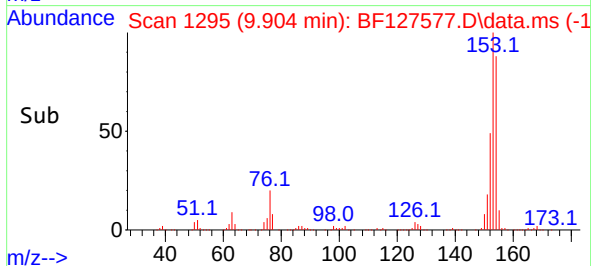


Tgt Ion:154 Resp: 14781
Ion Ratio Lower Upper
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153 114.0 87.6 131.4
152 55.7 42.9 64.3

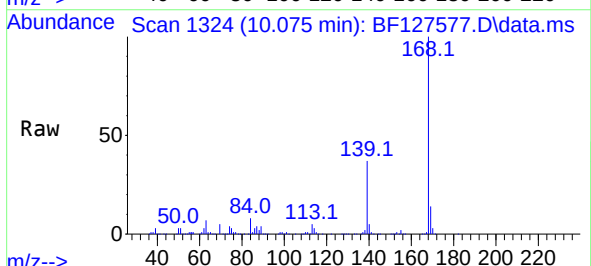
Manual Integrations

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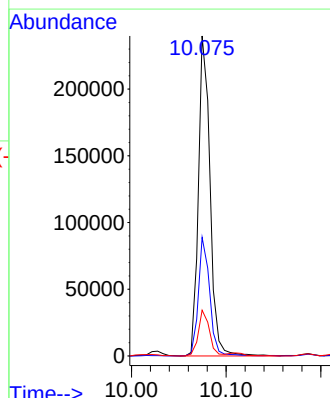
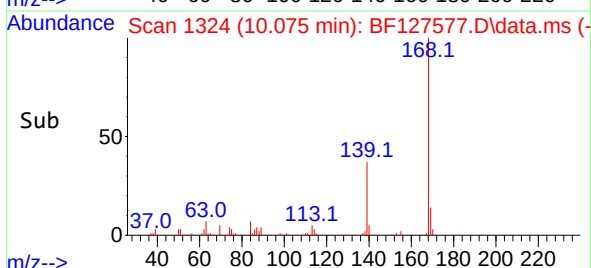
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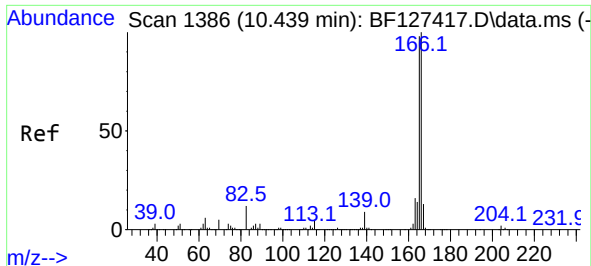


#55
Dibenzofuran
Concen: 14.799 ng
RT: 10.075 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46



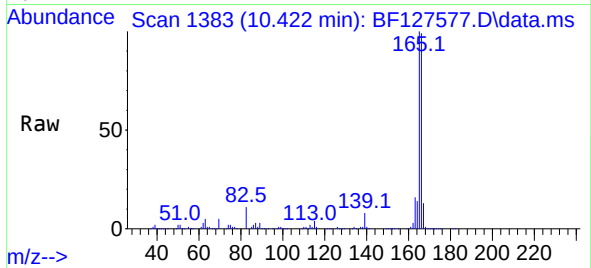
Tgt Ion:168 Resp: 205433
Ion Ratio Lower Upper
168 100
139 37.1 30.3 45.5
169 14.3 10.8 16.2





#58
Fluorene
Concen: 16.620 ng
RT: 10.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

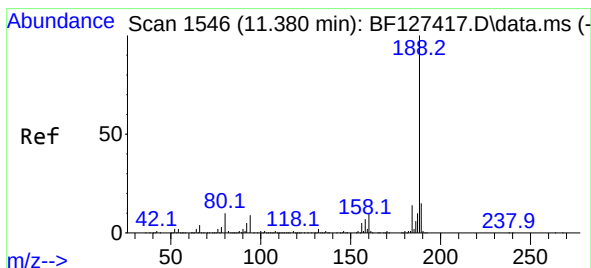
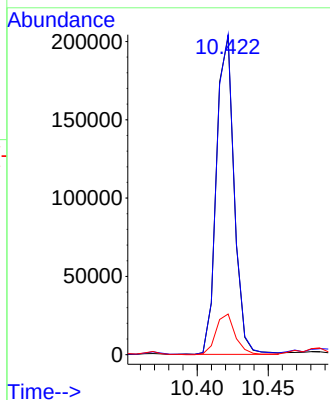
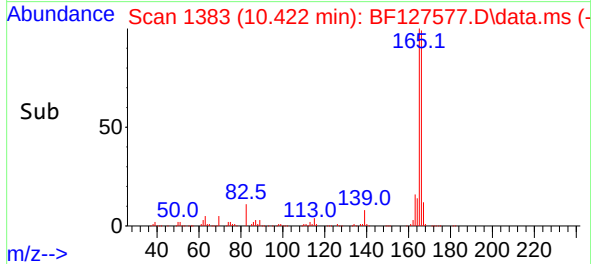
Instrument :
BNA_F
ClientSampleId :
RO-124030DL



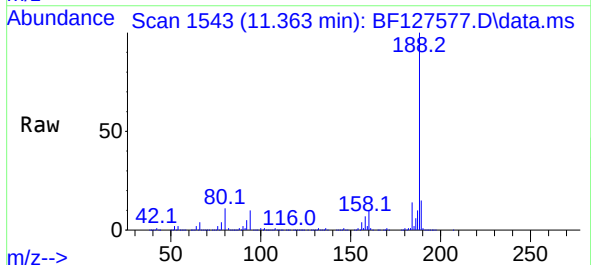
Tgt Ion:166 Resp: 175890
Ion Ratio Lower Upper
166 100
165 100.7 78.1 117.1
167 12.8 10.5 15.7

Manual Integrations
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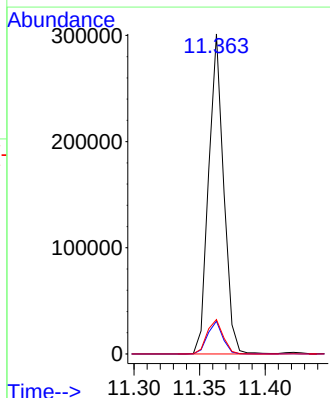
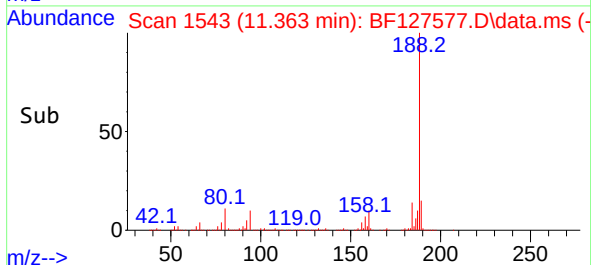
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

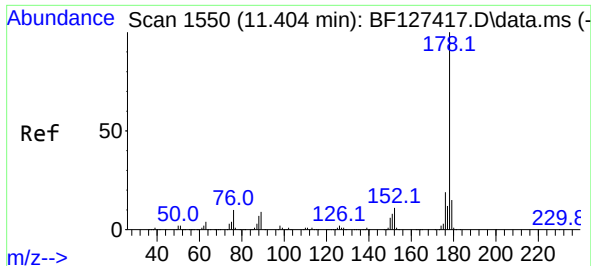


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46



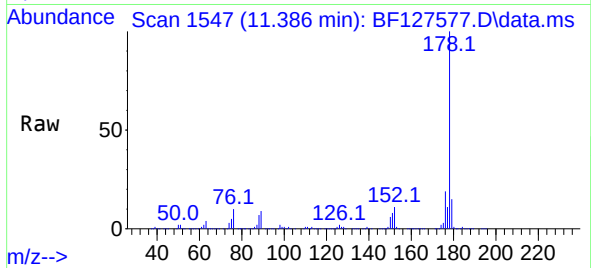
Tgt Ion:188 Resp: 240796
Ion Ratio Lower Upper
188 100
94 10.3 7.4 11.0
80 10.7 8.0 12.0





#71
Phenanthrene
Concen: 42.572 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

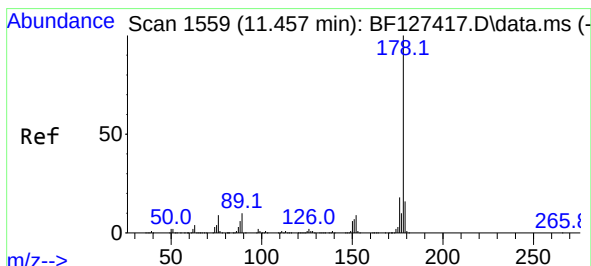
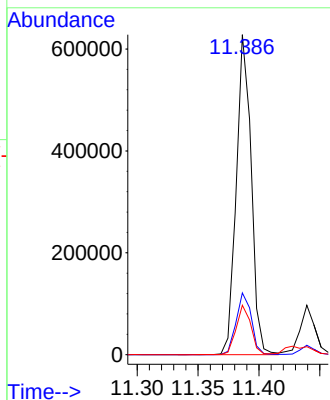
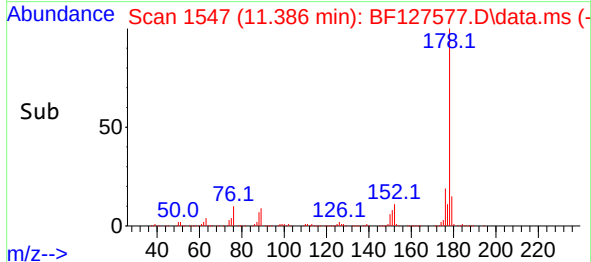
Instrument :
BNA_F
ClientSampleId :
RO-124030DL



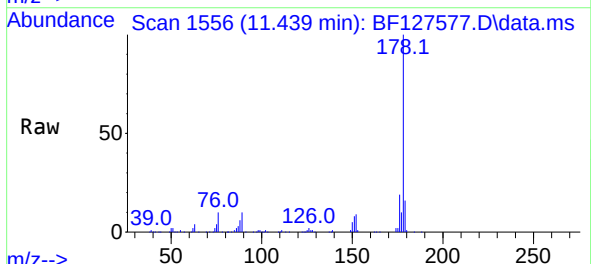
Tgt Ion:178 Resp: 53444
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.5 12.4 18.6

Manual Integrations
APPROVED

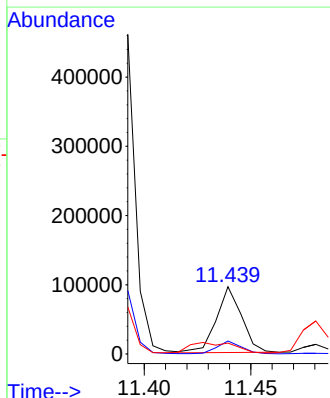
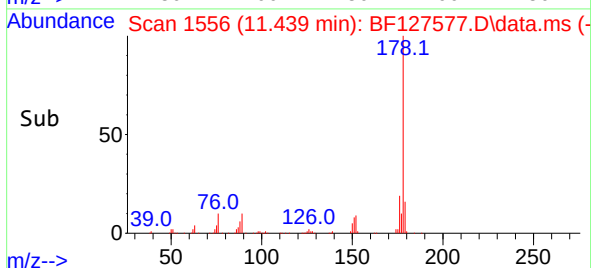
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

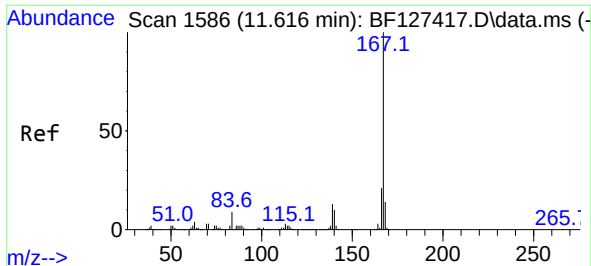


#72
Anthracene
Concen: 6.299 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46



Tgt Ion:178 Resp: 78475
Ion Ratio Lower Upper
178 100
176 19.2 14.6 22.0
179 16.3 12.4 18.6





#73
 Carbazole
 Concen: 7.406 ng
 RT: 11.604 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127577.D
 Acq: 29 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

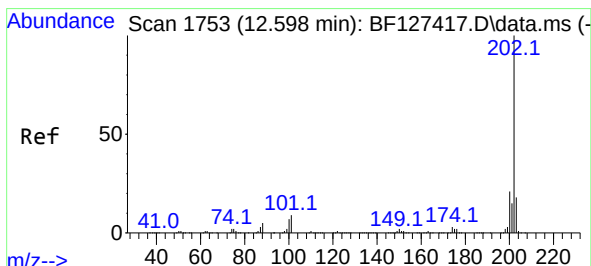
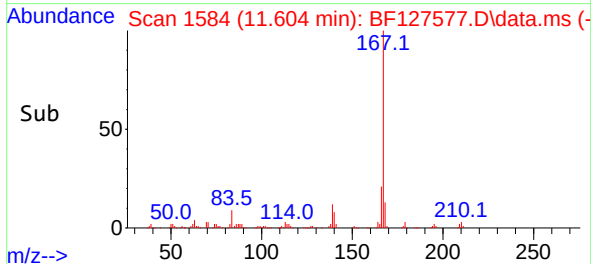
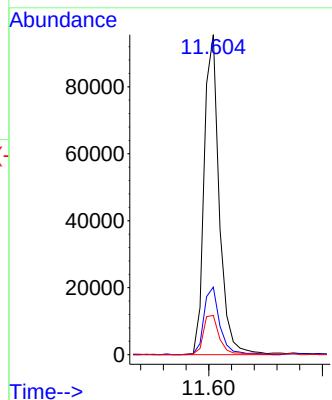
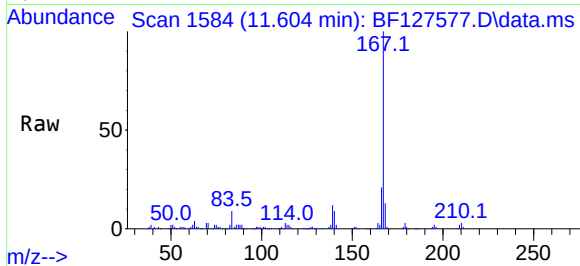
RO-124030DL

Tgt Ion:167 Resp: 8823
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.4
 139 12.2 10.5 15.7

Manual Integrations

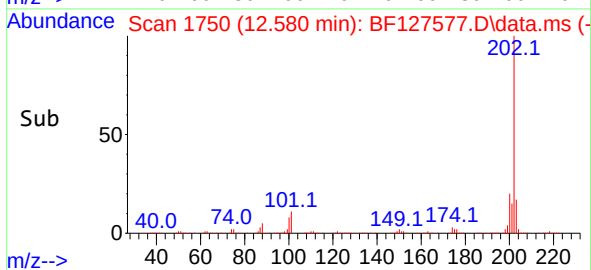
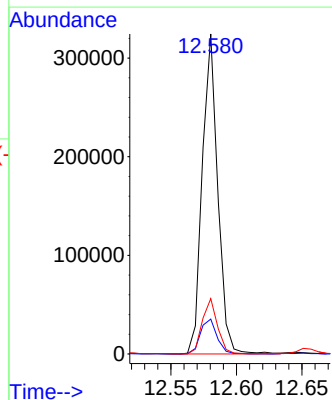
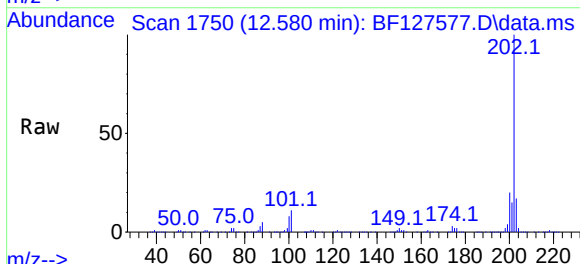
APPROVED

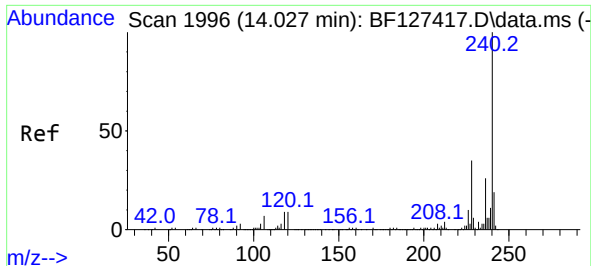
Reviewed By :Christian Giraldo 03/30/2022
 Supervised By :Jagrut Upadhyay 03/30/2022



#75
 Fluoranthene
 Concen: 19.423 ng
 RT: 12.580 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: BF127577.D
 Acq: 29 Mar 2022 20:46

Tgt Ion:202 Resp: 268194
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 29.0
 203 17.3 0.0 37.7





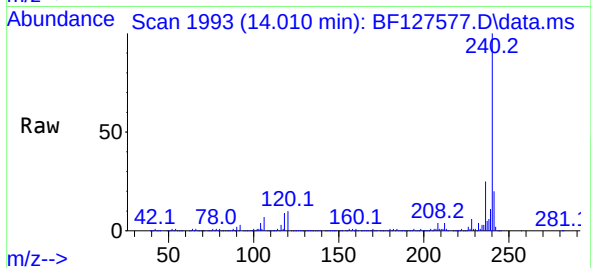
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

RO-124030DL

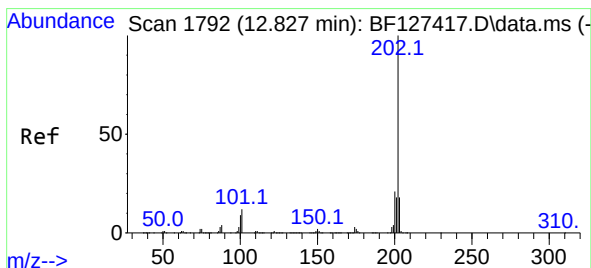
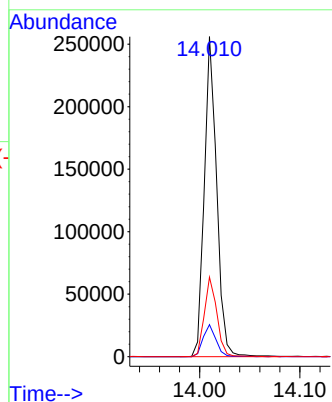
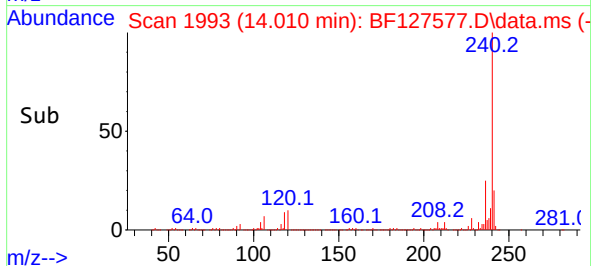


Tgt Ion:240 Resp: 220574
Ion Ratio Lower Upper
240 100
120 10.0 7.1 10.7
236 24.9 20.7 31.1

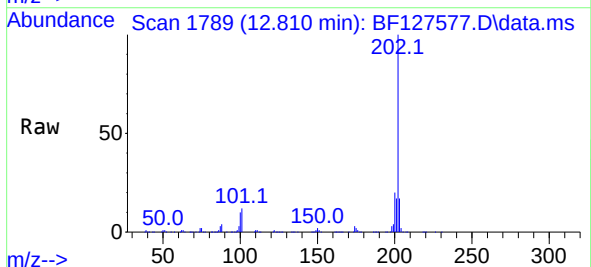
Manual Integrations

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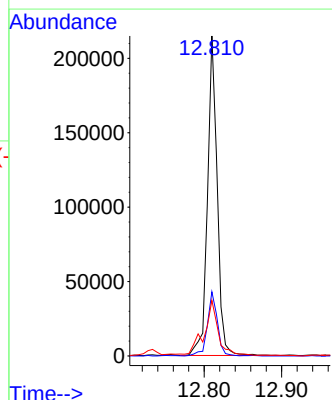
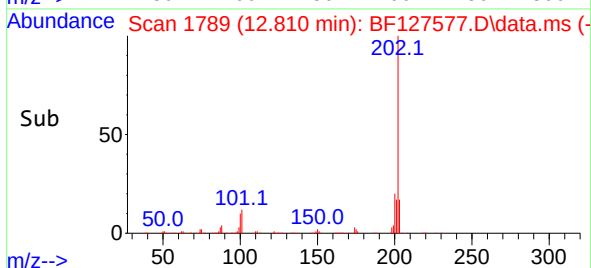
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

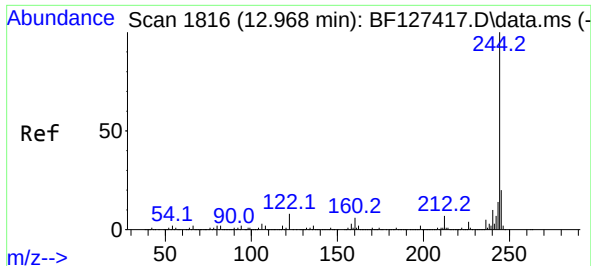


#78
Pyrene
Concen: 9.866 ng
RT: 12.810 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46



Tgt Ion:202 Resp: 186774
Ion Ratio Lower Upper
202 100
200 20.1 17.1 25.7
203 17.4 14.3 21.5





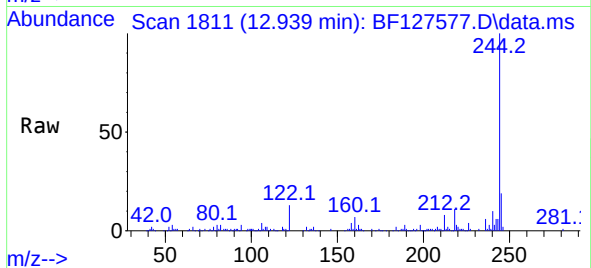
#79
Terphenyl-d14
Concen: 3.979 ng
RT: 12.939 min Scan# 1811
Delta R.T. -0.012 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

RO-124030DL

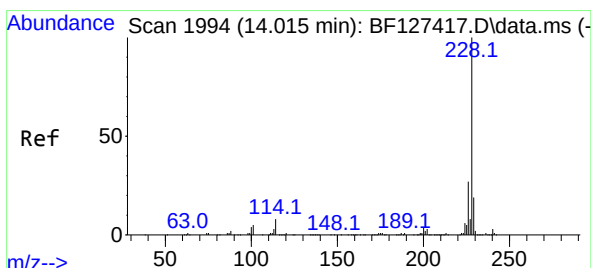
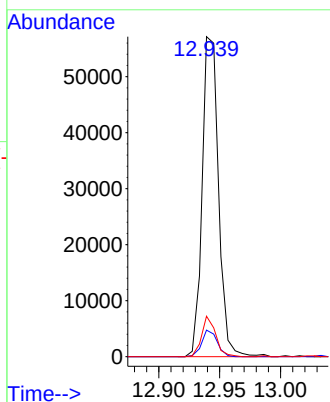
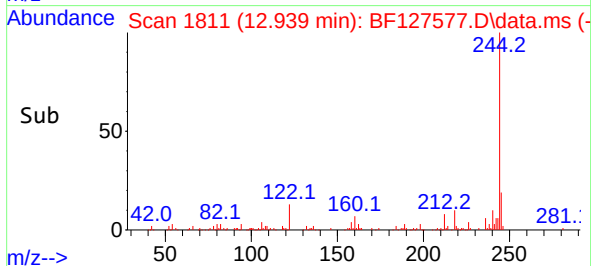


Tgt Ion:244 Resp: 53618
Ion Ratio Lower Upper
244 100
212 8.3 5.7 8.5
122 12.7 6.2 9.2

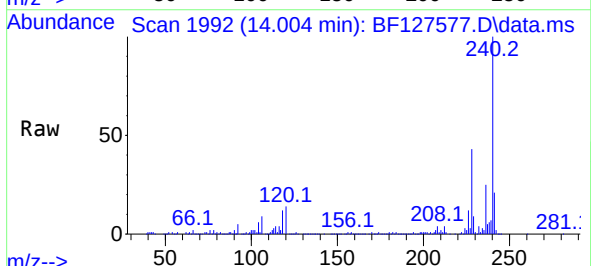
Manual Integrations

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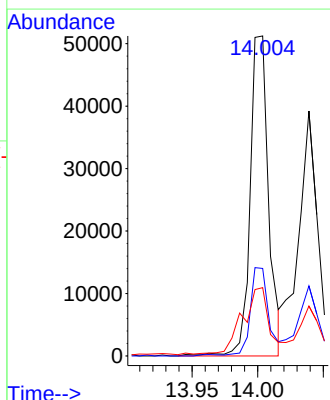
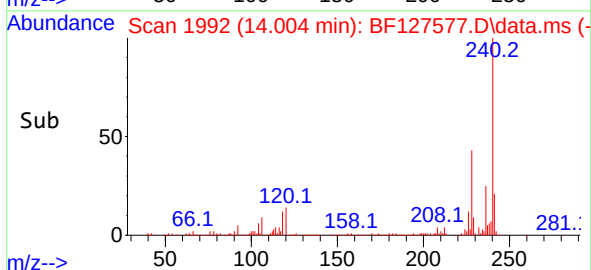
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

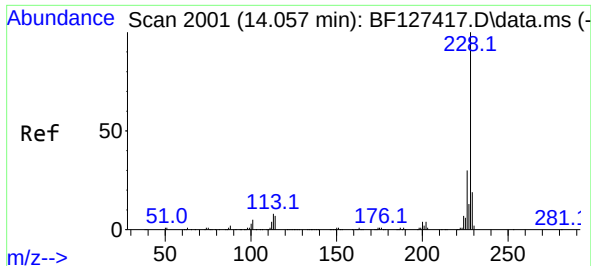


#81
Benzo(a)anthracene
Concen: 3.396 ng
RT: 14.004 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46



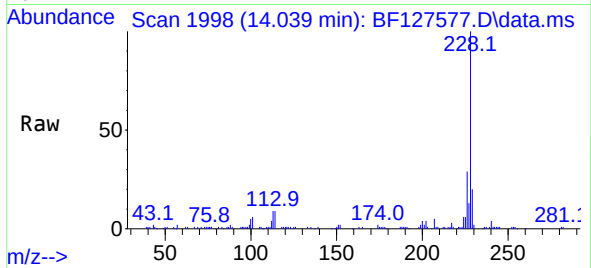
Tgt Ion:228 Resp: 50095
Ion Ratio Lower Upper
228 100
226 27.4 21.6 32.4
229 21.4 15.4 23.2





#83
Chrysene
Concen: 2.882 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

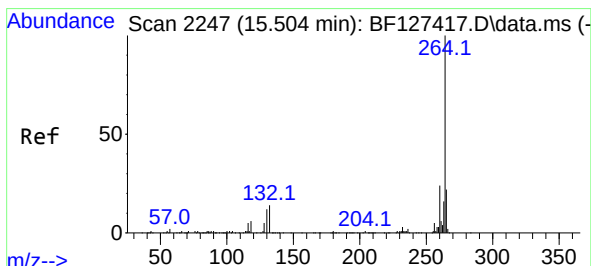
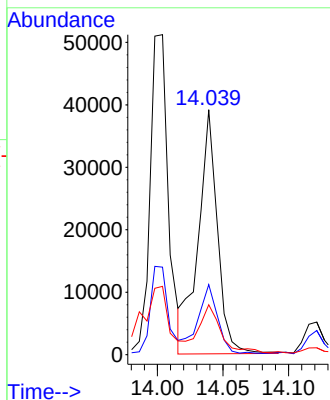
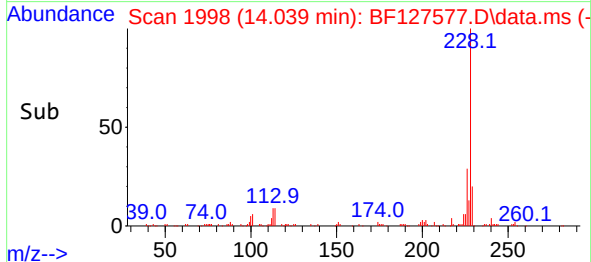
Instrument :
BNA_F
ClientSampleId :
RO-124030DL



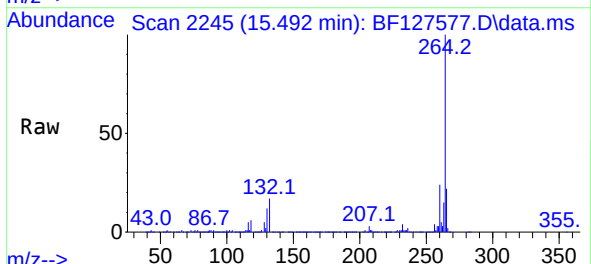
Tgt Ion:228 Resp: 40250
Ion Ratio Lower Upper
228 100
226 28.6 24.2 36.4
229 20.4 15.4 23.2

Manual Integrations
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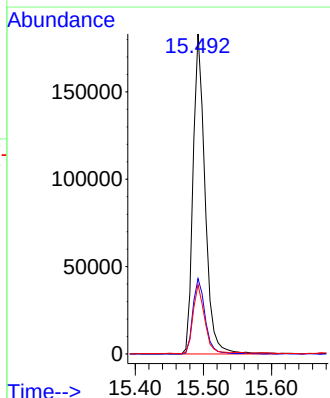
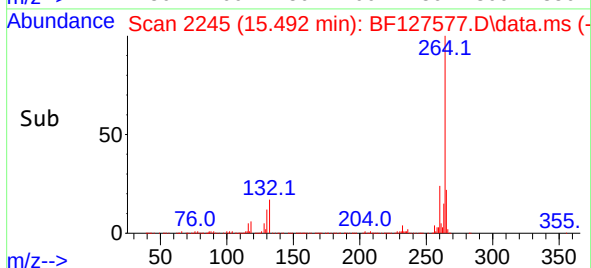
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

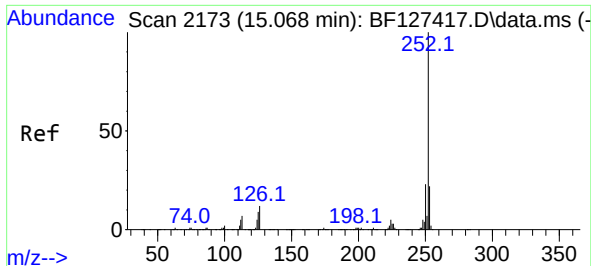


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2245
Delta R.T. 0.000 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46



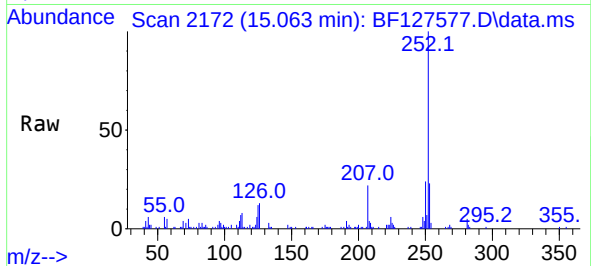
Tgt Ion:264 Resp: 222229
Ion Ratio Lower Upper
264 100
260 23.5 19.1 28.7
265 21.7 17.4 26.2





#88
Benzo(b)fluoranthene
Concen: 2.219 ng m
RT: 15.063 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Instrument :
BNA_F
ClientSampleId :
RO-124030DL



Tgt Ion:252 Resp: 31090
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 12.3 7.0 10.4

Manual Integrations
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Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

