

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032922\
 Data File : BF127572.D
 Acq On : 29 Mar 2022 18:25
 Operator : CG\JU
 Sample : N2095-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-9.0-10.0

Manual Integrations
 APPROVED

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

Quant Time: Mar 30 08:32:19 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	87238	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	314440	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	178914	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	293095	20.000	ng	0.00
76) Chrysene-d12	14.016	240	197811	20.000	ng	0.00
86) Perylene-d12	15.498	264	221082	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	524088	95.894	ng	0.00
7) Phenol-d6	6.475	99	697176	93.322	ng	0.00
23) Nitrobenzene-d5	7.398	82	460087	62.545	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	151554	79.519	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	725428	59.207	ng	0.00
79) Terphenyl-d14	12.945	244	595704	49.299	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	61269	3.670	ng	99
49) Acenaphthylene	9.733	152	44853	2.788	ng	99
52) Acenaphthene	9.904	154	35708	3.804	ng	100
71) Phenanthrene	11.386	178	513399	33.599	ng	99
72) Anthracene	11.439	178	122215	8.060	ng	99
73) Carbazole	11.604	167	43566	3.004	ng	99
75) Fluoranthene	12.580	202	792907	47.178	ng	98
78) Pyrene	12.816	202	691970	40.760	ng	100
81) Benzo(a)anthracene	14.004	228	340591	25.747	ng	98
83) Chrysene	14.039	228	297000	23.709	ng	99
87) Indeno(1,2,3-cd)pyrene	17.004	276	183754	12.283	ng	96
88) Benzo(b)fluoranthene	15.063	252	395864m	28.398	ng	
89) Benzo(k)fluoranthene	15.092	252	149015m	10.312	ng	
90) Benzo(a)pyrene	15.433	252	320811	28.043	ng	# 96
91) Dibenzo(a,h)anthracene	17.004	278	46230m	3.743	ng	
92) Benzo(g,h,i)perylene	17.456	276	160174	12.547	ng	97

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

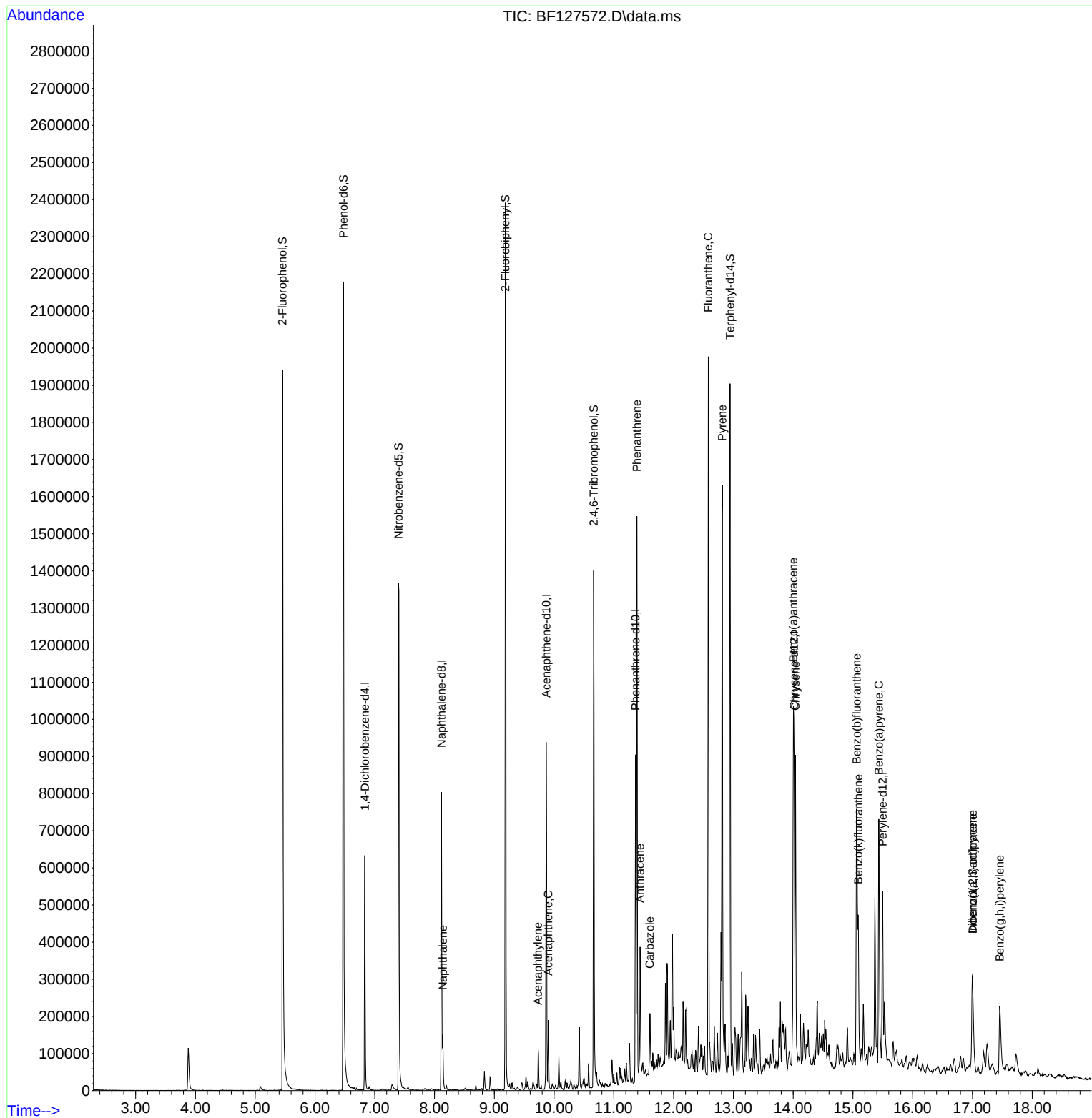
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032922\
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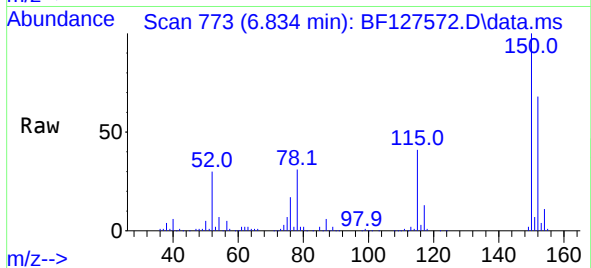
Reviewed By : Christian Giraldo 03/30/2022
Supervised By : Jagrut Upadhyay 03/30/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

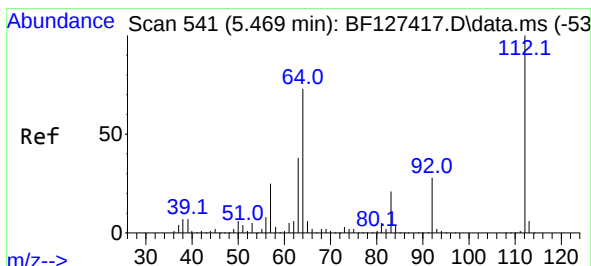
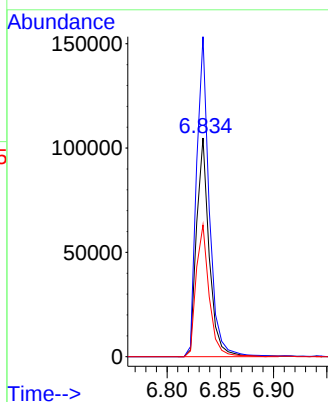
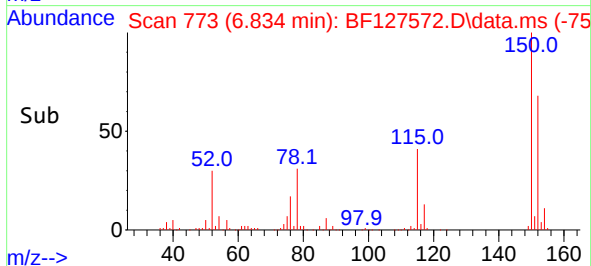
Instrument :
BNA_F
ClientSampleId :
SB-13-9.0-10.0



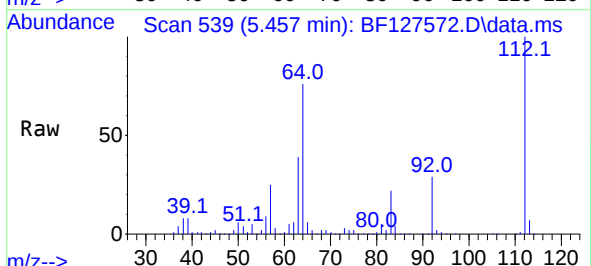
Tgt Ion:152 Resp: 87238
Ion Ratio Lower Upper
152 100
150 146.3 117.2 175.8
115 60.2 49.8 74.6

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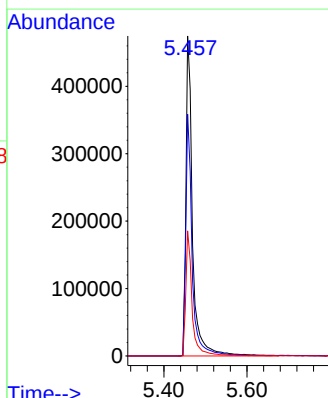
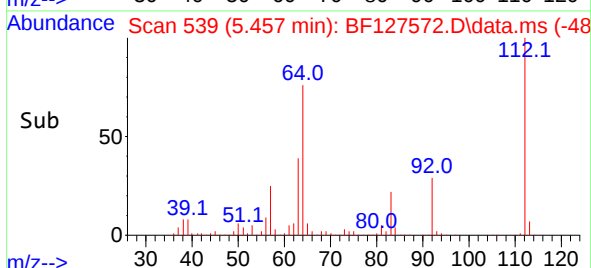
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

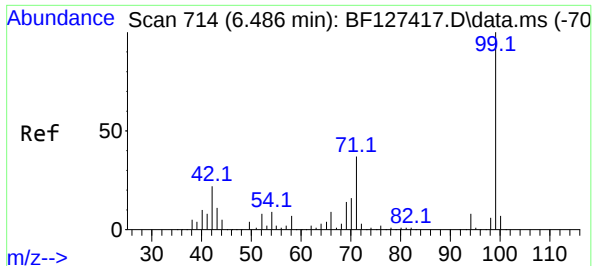


#5
2-Fluorophenol
Concen: 95.894 ng
RT: 5.457 min Scan# 539
Delta R.T. 0.000 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25



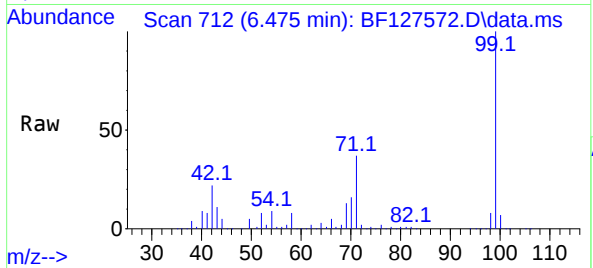
Tgt Ion:112 Resp: 524088
Ion Ratio Lower Upper
112 100
64 75.6 58.4 87.6
63 39.1 30.1 45.1





#7
Phenol-d6
Concen: 93.322 ng
RT: 6.475 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

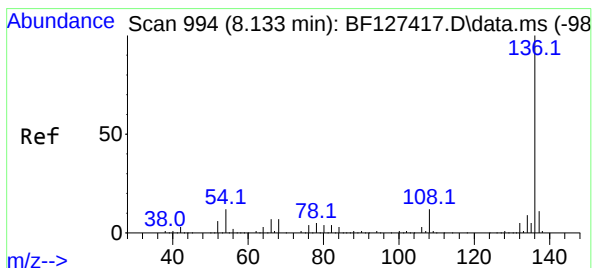
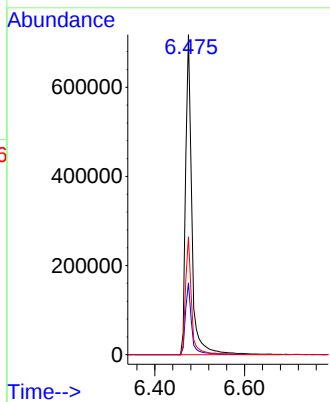
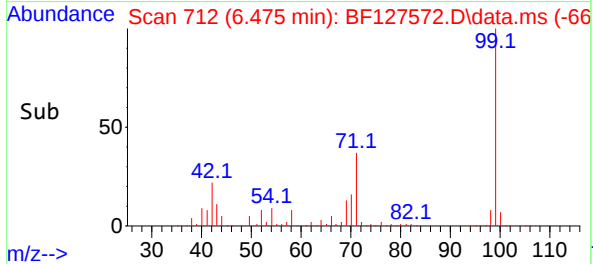
Instrument :
BNA_F
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SB-13-9.0-10.0



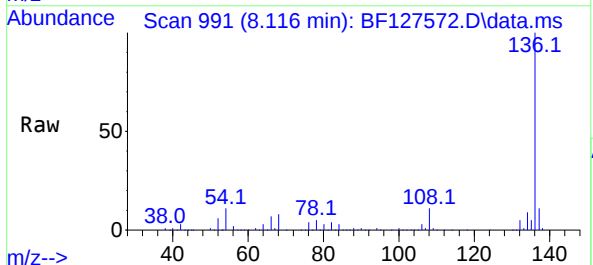
Tgt Ion: 99 Resp: 697170
Ion Ratio Lower Upper
99 100
42 22.5 17.8 26.6
71 36.9 29.6 44.4

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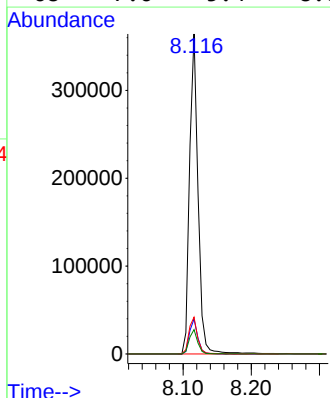
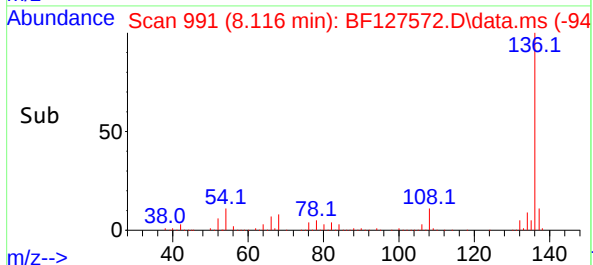
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

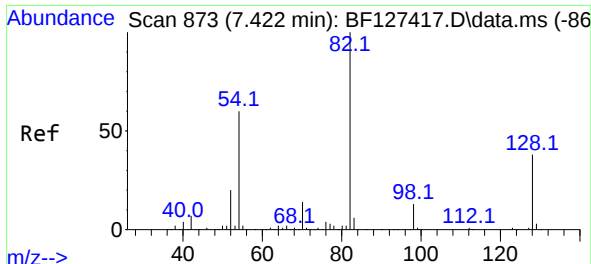


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25



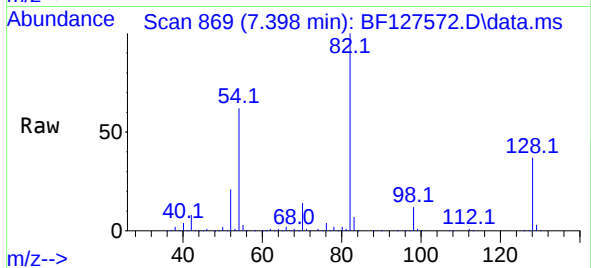
Tgt Ion:136 Resp: 314440
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 11.5 9.2 13.8
68 7.6 5.4 8.0





#23
Nitrobenzene-d5
Concen: 62.545 ng
RT: 7.398 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

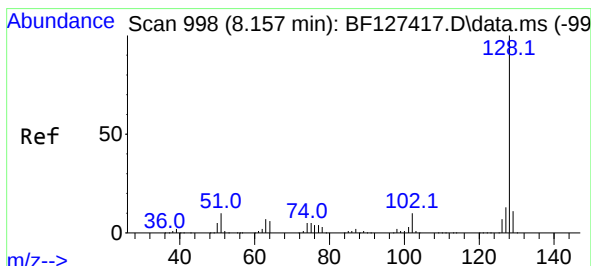
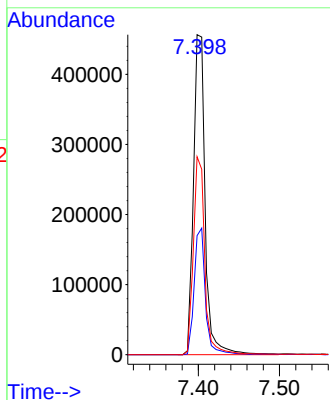
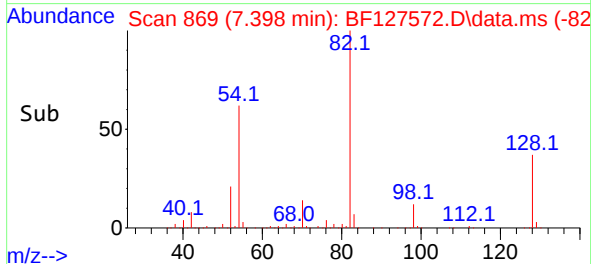
Instrument :
BNA_F
ClientSampleId :
SB-13-9.0-10.0



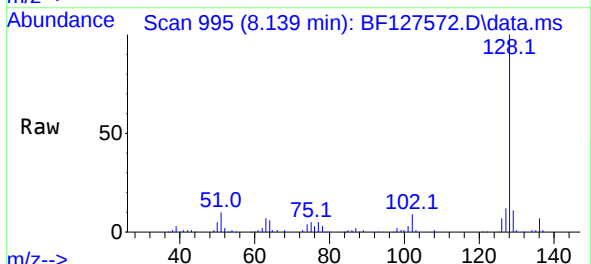
Tgt Ion: 82 Resp: 46008
Ion Ratio Lower Upper
82 100
128 37.2 30.6 45.8
54 61.8 48.2 72.2

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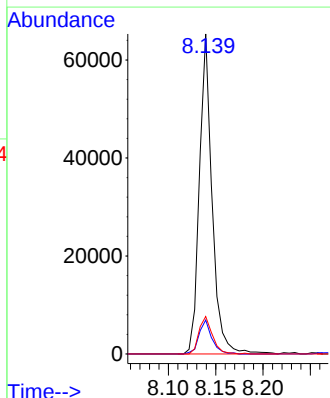
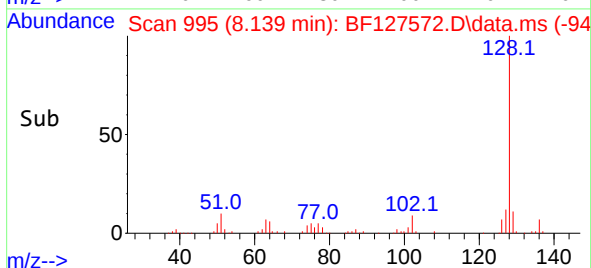
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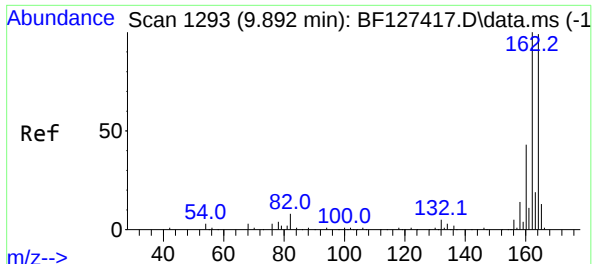


#31
Naphthalene
Concen: 3.670 ng
RT: 8.139 min Scan# 995
Delta R.T. 0.000 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25



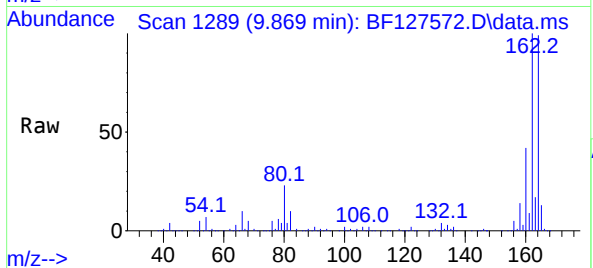
Tgt Ion:128 Resp: 61269
Ion Ratio Lower Upper
128 100
129 10.6 8.4 12.6
127 11.7 10.2 15.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

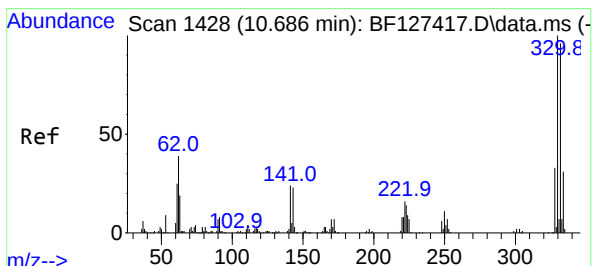
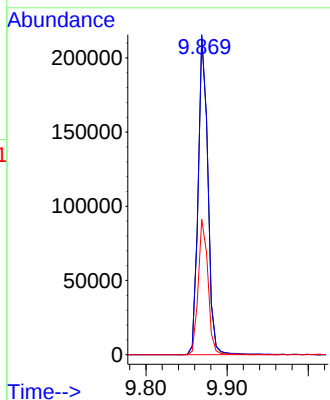
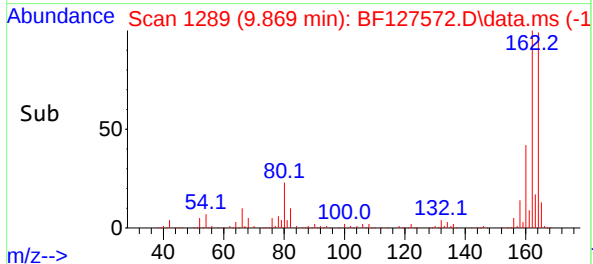
Instrument :
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ClientSampleId :
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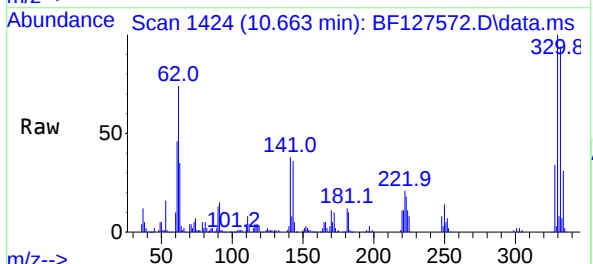
Tgt Ion:164 Resp: 178914
Ion Ratio Lower Upper
164 100
162 100.8 81.2 121.8
160 42.6 34.6 52.0

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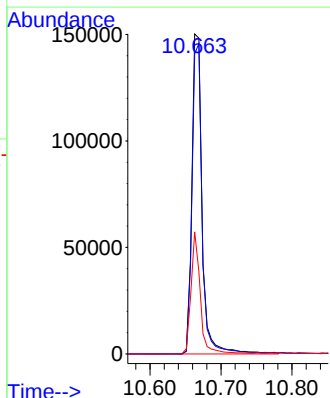
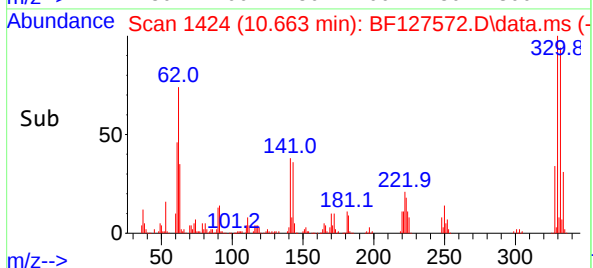
Reviewed By :Christian Giraldo 03/30/2022
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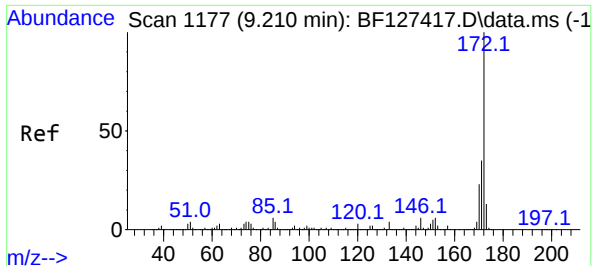


#42
2,4,6-Tribromophenol
Concen: 79.519 ng
RT: 10.663 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25



Tgt Ion:330 Resp: 151554
Ion Ratio Lower Upper
330 100
332 95.0 79.1 118.7
141 34.6 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 59.207 ng

RT: 9.186 min Scan# 1177

Delta R.T. -0.006 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

Instrument :

BNA_F

ClientSampleId :

SB-13-9.0-10.0

Tgt Ion:172 Resp: 725428

Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

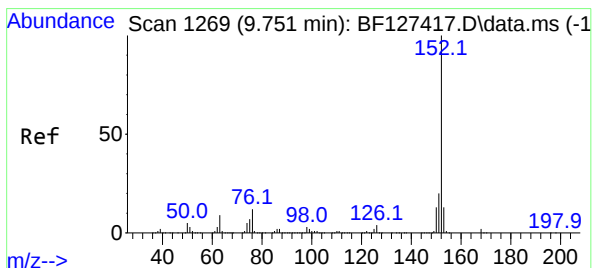
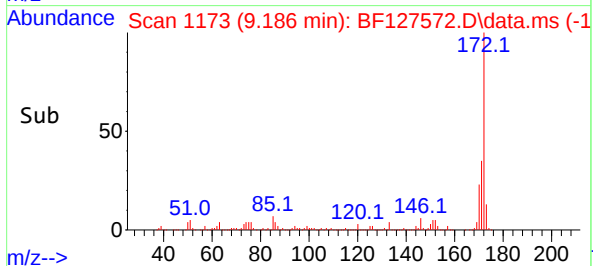
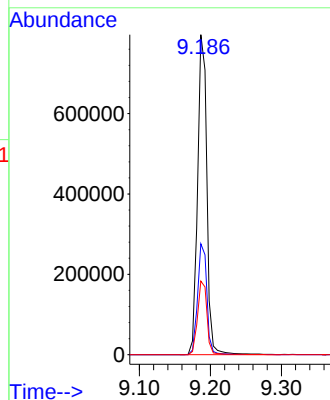
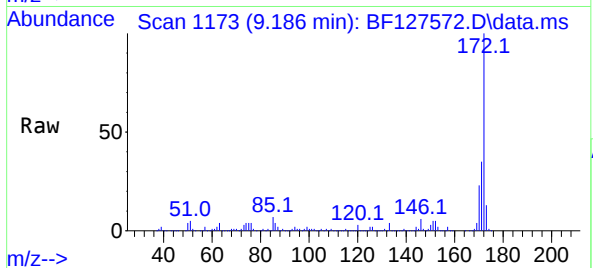
170 23.0 18.6 27.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/30/2022

Supervised By :Jagrut Upadhyay 03/30/2022



#49

Acenaphthylene

Concen: 2.788 ng

RT: 9.733 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

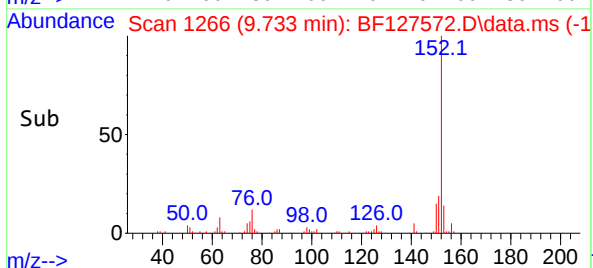
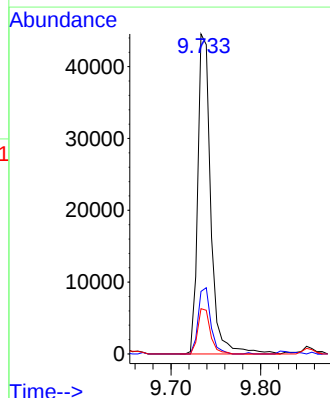
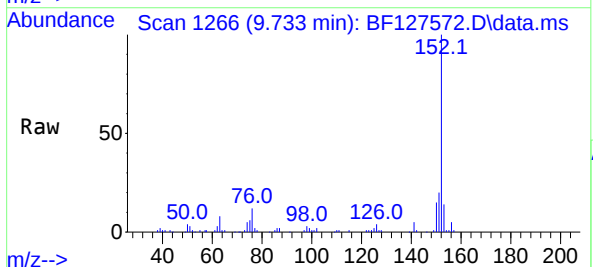
Tgt Ion:152 Resp: 44853

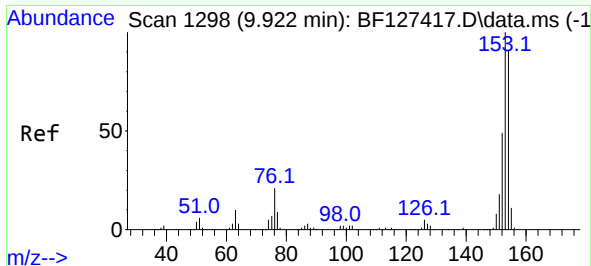
Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.8

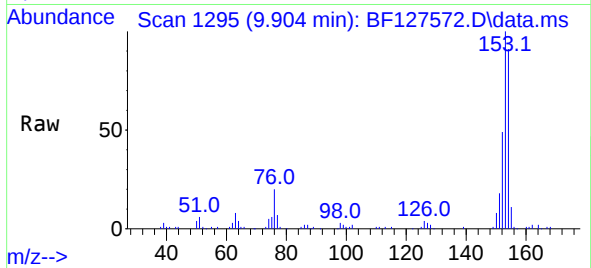
153 14.1 10.5 15.7





#52
Acenaphthene
Concen: 3.804 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

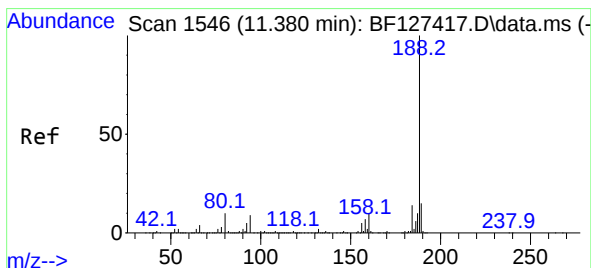
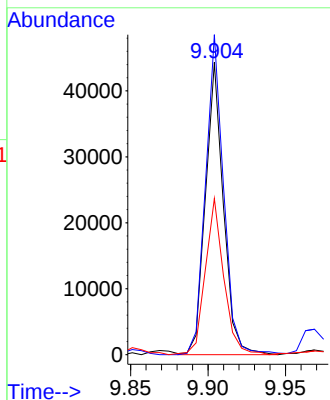
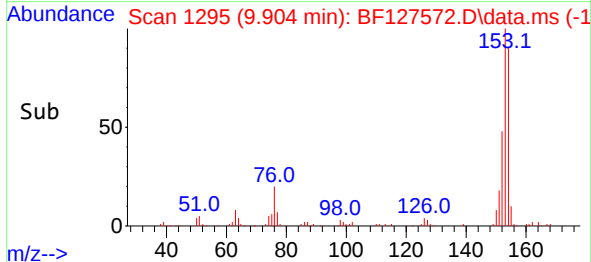
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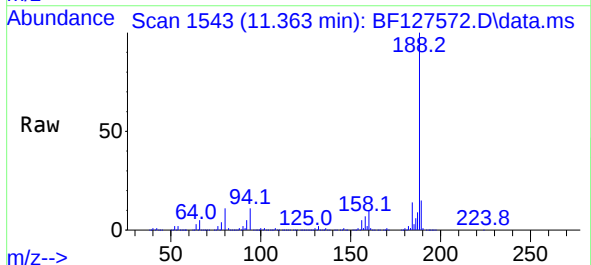
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Ion Ratio Lower Upper
154 100
153 109.5 87.6 131.4
152 53.4 42.9 64.3

Manual Integrations
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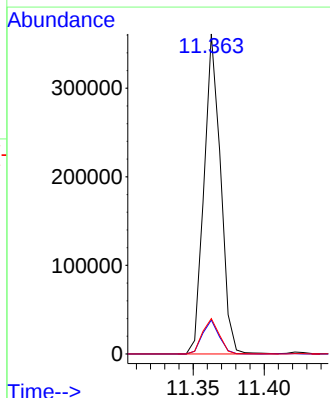
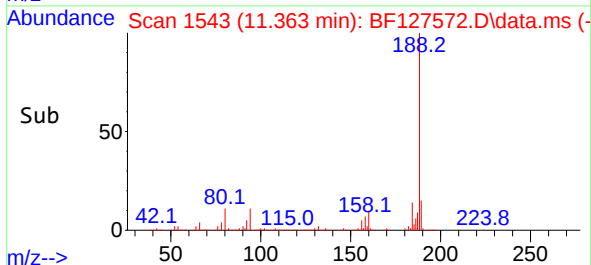
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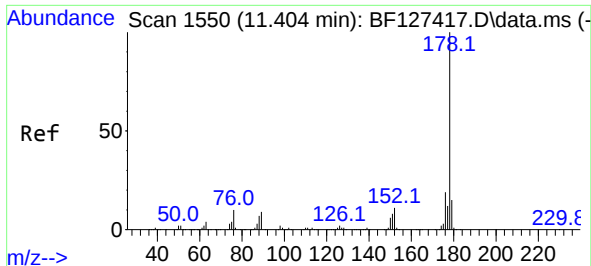


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25



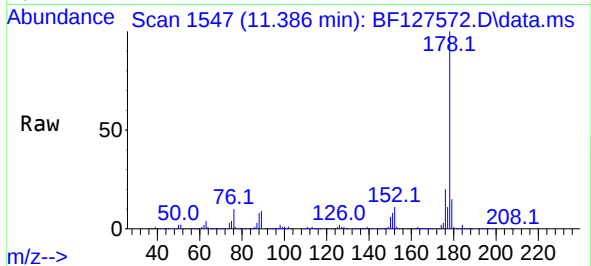
Tgt Ion:188 Resp: 293095
Ion Ratio Lower Upper
188 100
94 10.6 7.4 11.0
80 11.0 8.0 12.0





#71
Phenanthrene
Concen: 33.599 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

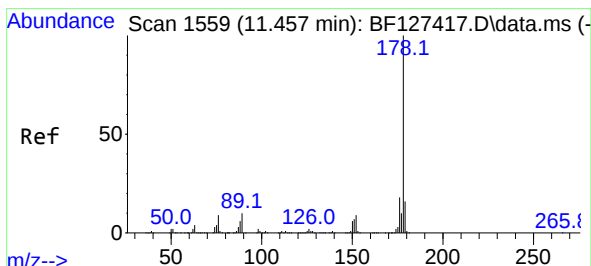
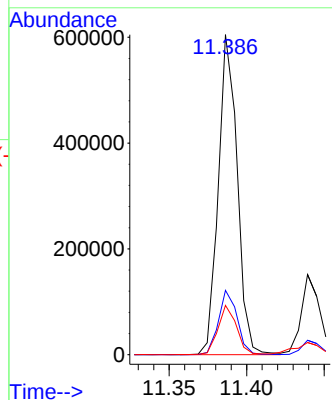
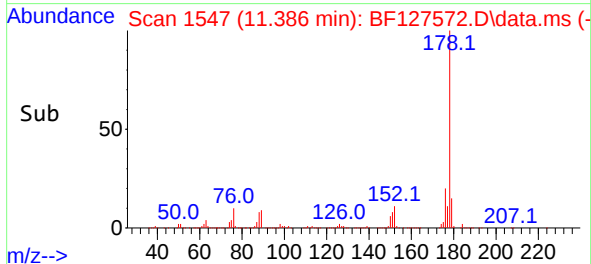
Instrument :
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SB-13-9.0-10.0



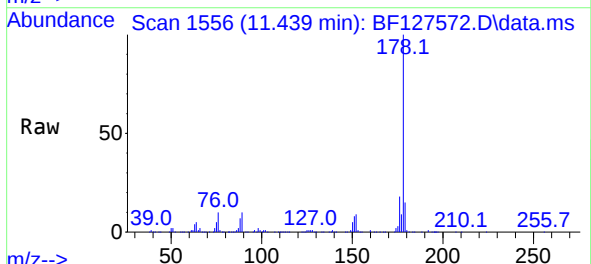
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Ion Ratio Lower Upper
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176 20.1 15.4 23.2
179 15.4 12.4 18.6

Manual Integrations
APPROVED

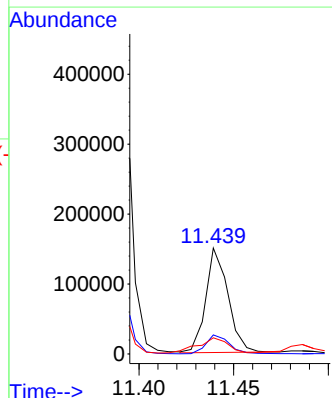
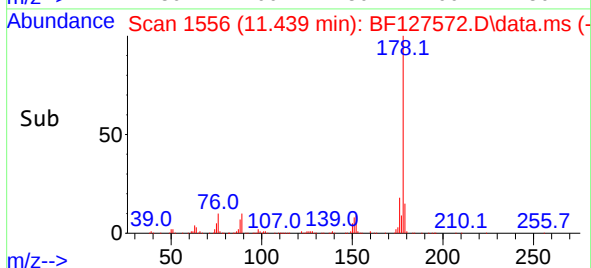
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

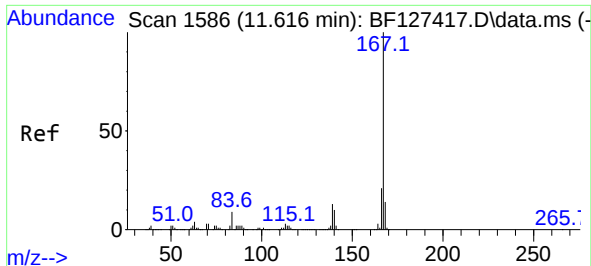


#72
Anthracene
Concen: 8.060 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25



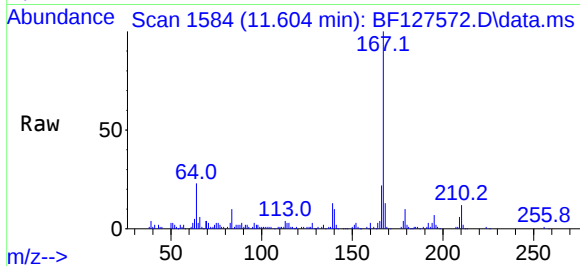
Tgt Ion:178 Resp: 122215
Ion Ratio Lower Upper
178 100
176 17.9 14.6 22.0
179 15.2 12.4 18.6





#73
 Carbazole
 Concen: 3.004 ng
 RT: 11.604 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127572.D
 Acq: 29 Mar 2022 18:25

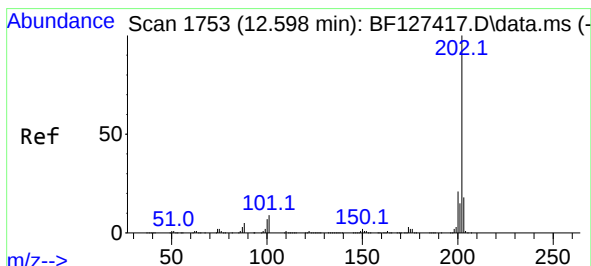
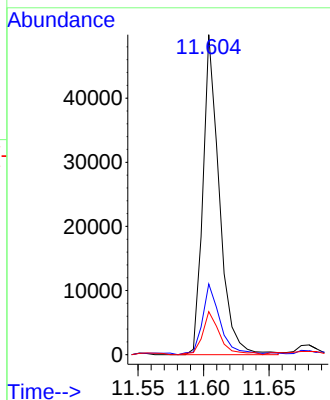
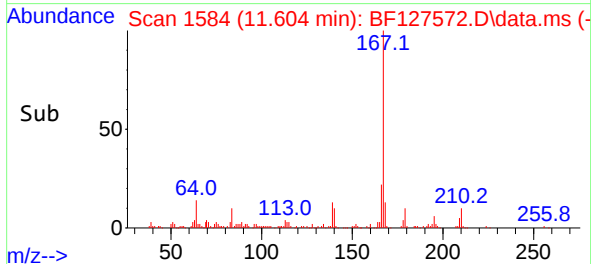
Instrument :
 BNA_F
 ClientSampleId :
 SB-13-9.0-10.0



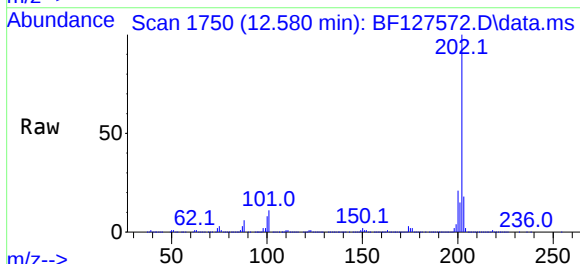
Tgt Ion:167 Resp: 43560
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.0 25.4
 139 13.4 10.5 15.7

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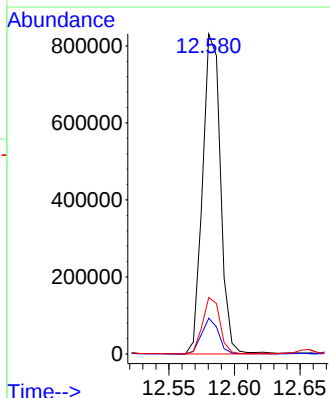
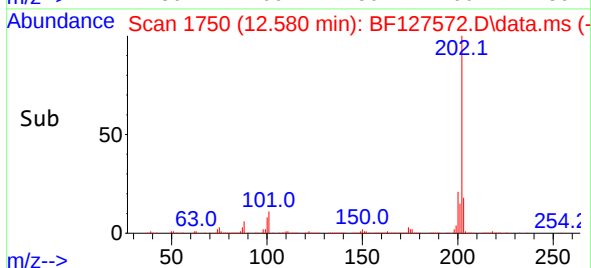
Reviewed By :Christian Giraldo 03/30/2022
 Supervised By :Jagrut Upadhyay 03/30/2022

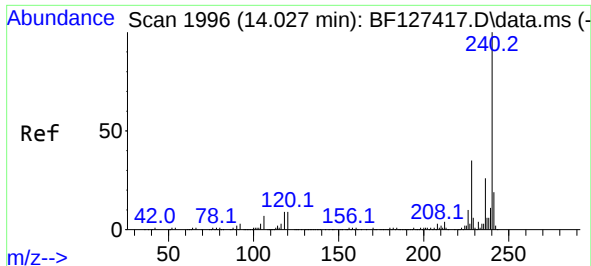


#75
 Fluoranthene
 Concen: 47.178 ng
 RT: 12.580 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: BF127572.D
 Acq: 29 Mar 2022 18:25



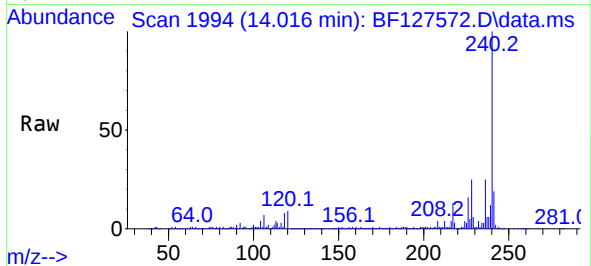
Tgt Ion:202 Resp: 792907
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 29.0
 203 17.7 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

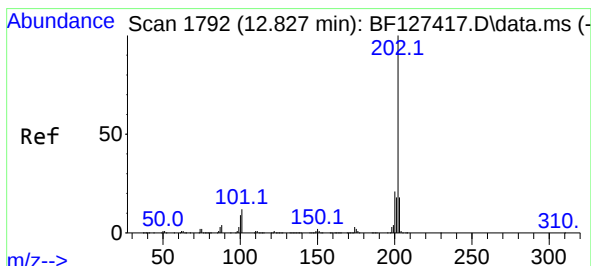
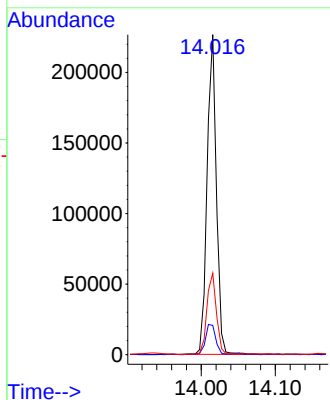
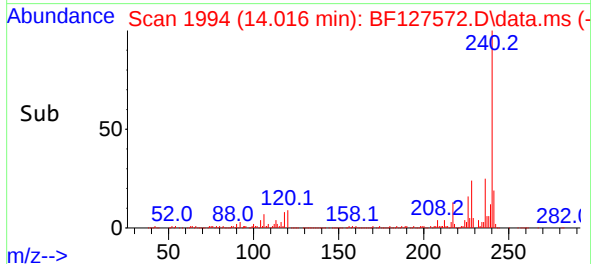
Instrument :
BNA_F
ClientSampleId :
SB-13-9.0-10.0



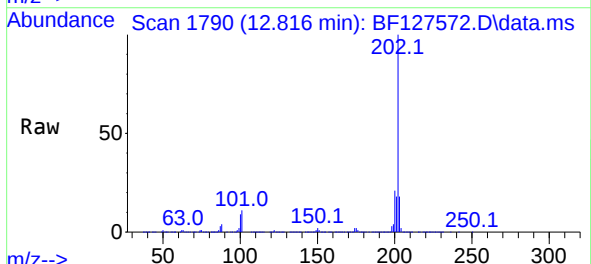
Tgt Ion:240 Resp: 19781
Ion Ratio Lower Upper
240 100
120 9.1 7.1 10.7
236 25.5 20.7 31.1

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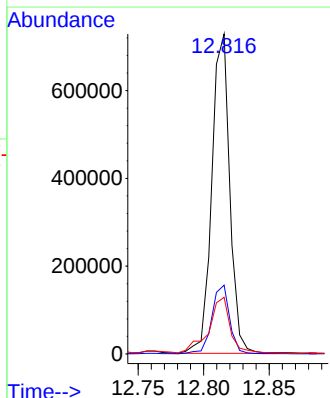
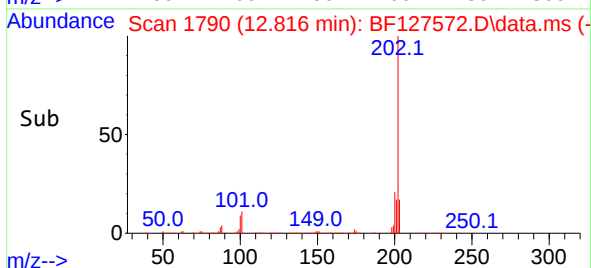
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

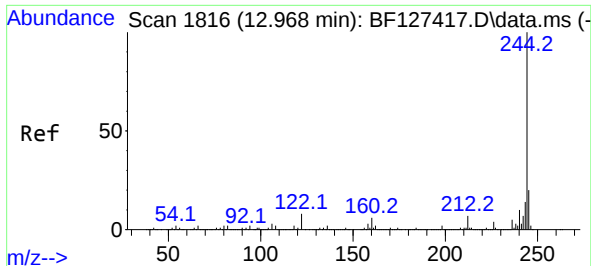


#78
Pyrene
Concen: 40.760 ng
RT: 12.816 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25



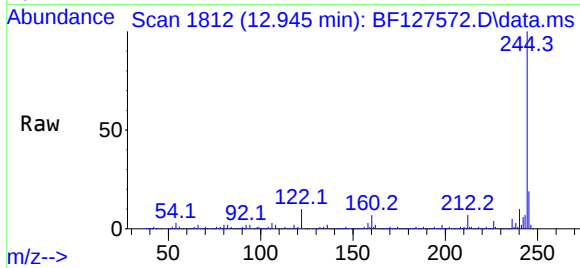
Tgt Ion:202 Resp: 691970
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 17.7 14.3 21.5





#79
 Terphenyl-d14
 Concen: 49.299 ng
 RT: 12.945 min Scan# 1816
 Delta R.T. -0.006 min
 Lab File: BF127572.D
 Acq: 29 Mar 2022 18:25

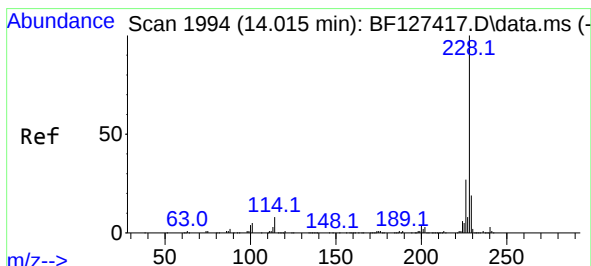
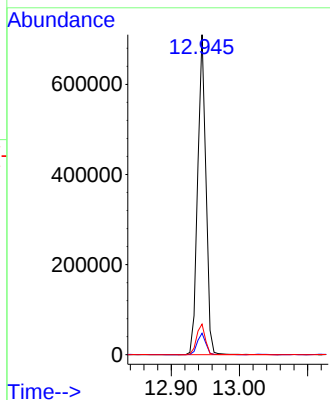
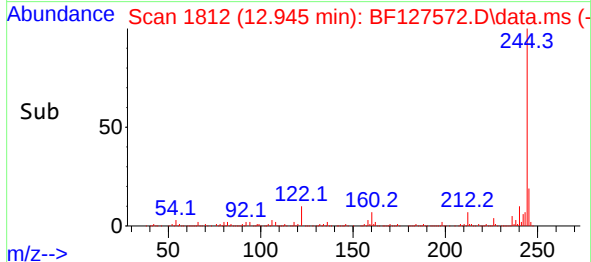
Instrument :
 BNA_F
 ClientSampleId :
 SB-13-9.0-10.0



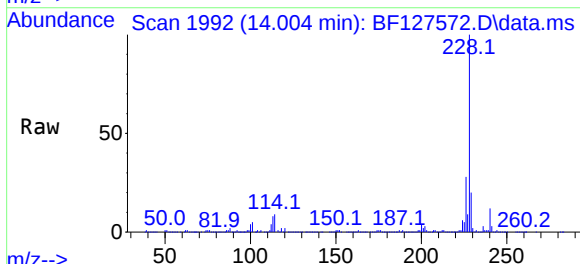
Tgt Ion:244 Resp: 595704
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 9.5 6.2 9.2

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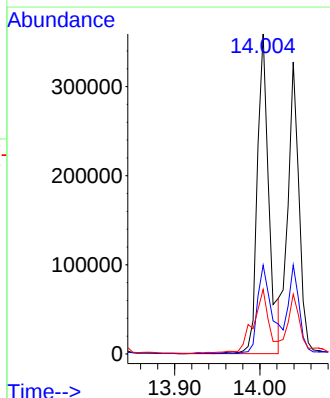
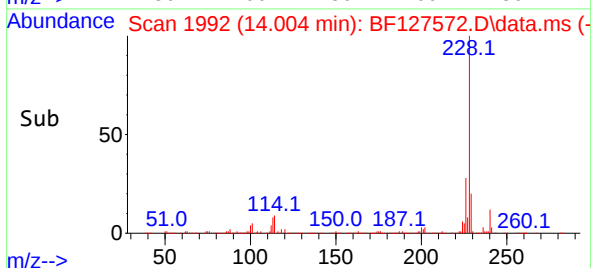
Reviewed By :Christian Giraldo 03/30/2022
 Supervised By :Jagrut Upadhyay 03/30/2022

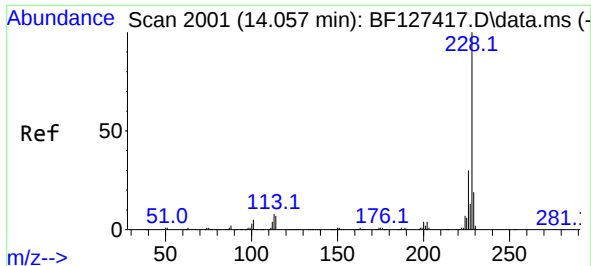


#81
 Benzo(a)anthracene
 Concen: 25.747 ng
 RT: 14.004 min Scan# 1992
 Delta R.T. 0.000 min
 Lab File: BF127572.D
 Acq: 29 Mar 2022 18:25



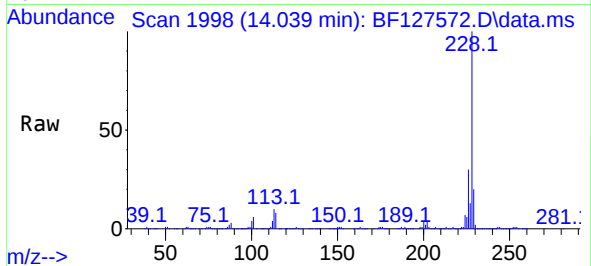
Tgt Ion:228 Resp: 340591
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.6 32.4
 229 20.1 15.4 23.2





#83
Chrysene
Concen: 23.709 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

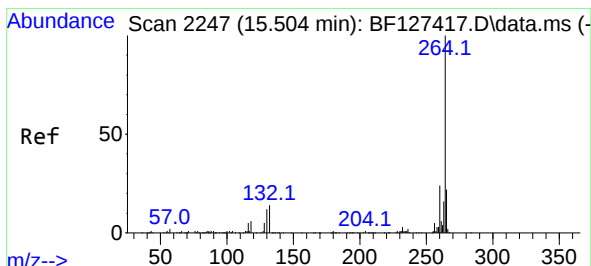
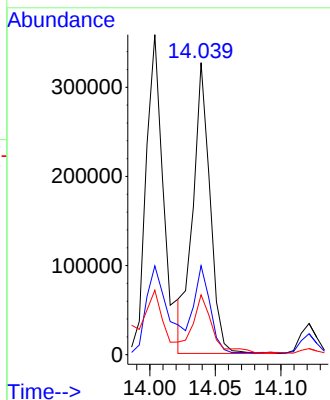
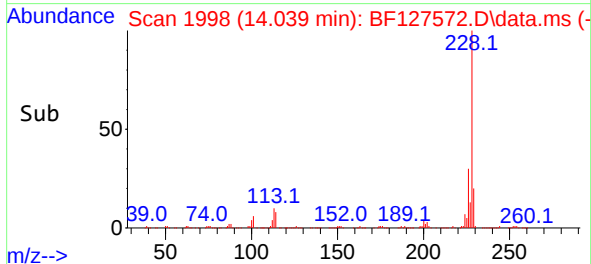
Instrument :
BNA_F
ClientSampleId :
SB-13-9.0-10.0



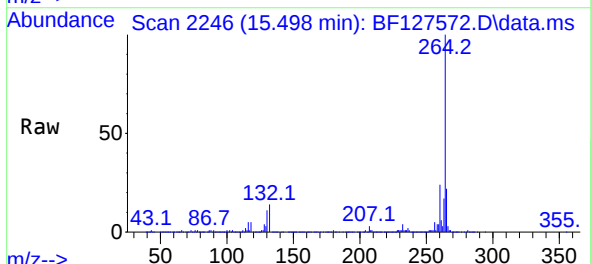
Tgt Ion:228 Resp: 297000
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.4
229 20.5 15.4 23.2

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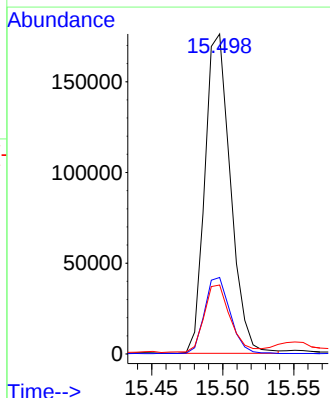
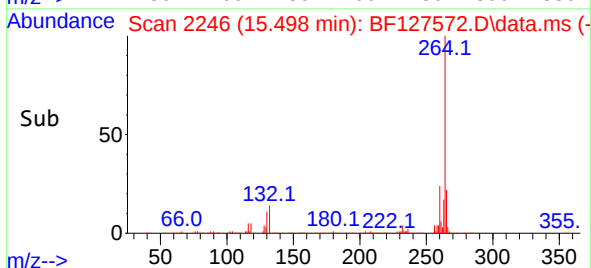
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

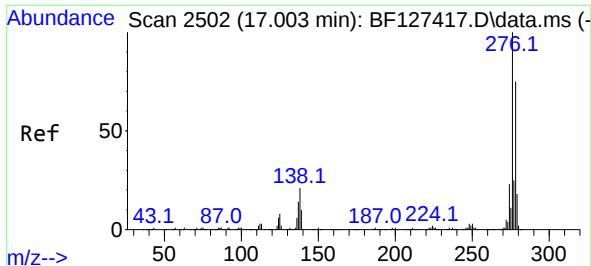


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2246
Delta R.T. 0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25



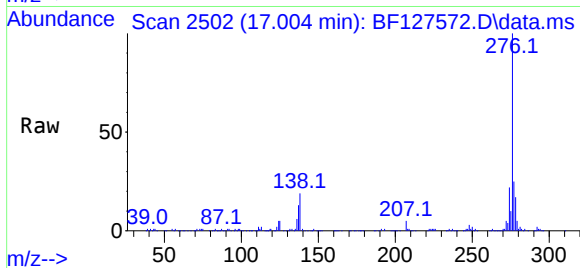
Tgt Ion:264 Resp: 221082
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 21.6 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 12.283 ng
RT: 17.004 min Scan# 2172
Delta R.T. 0.012 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

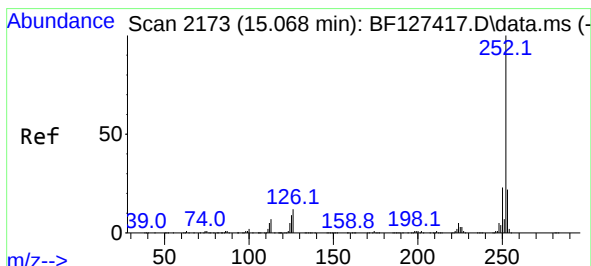
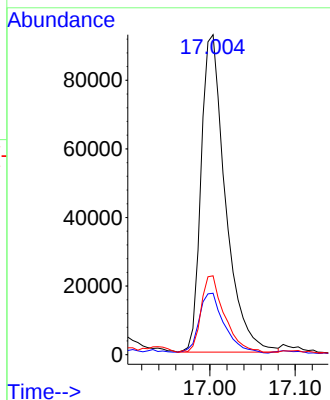
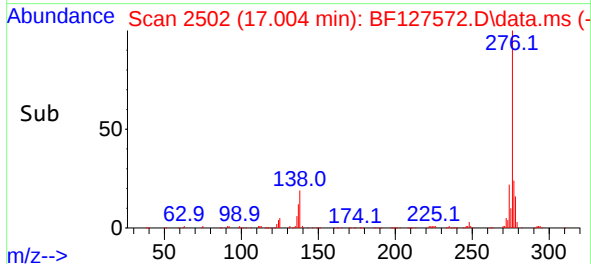
Instrument :
BNA_F
ClientSampleId :
SB-13-9.0-10.0



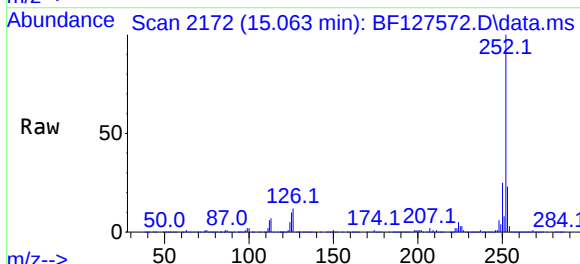
Tgt Ion:276 Resp: 183754
Ion Ratio Lower Upper
276 100
138 19.5 17.1 25.7
277 23.0 19.9 29.9

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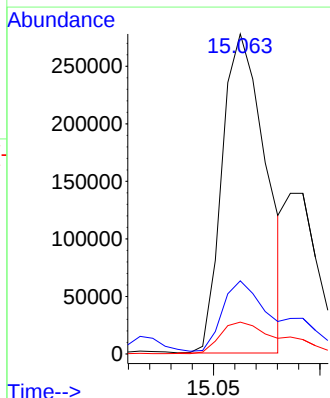
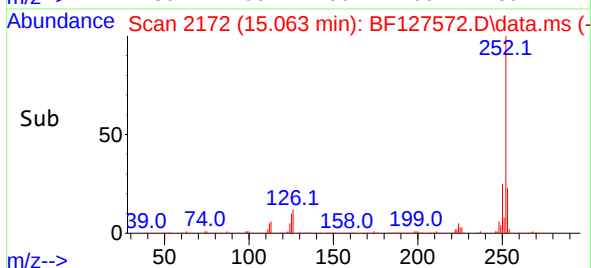
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

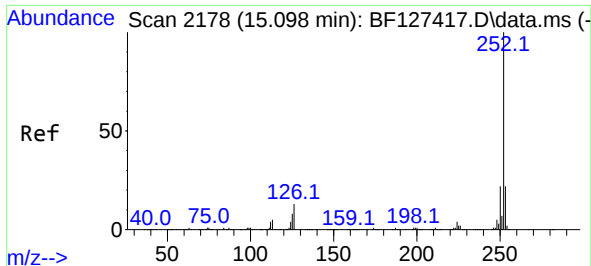


#88
Benzo(b)fluoranthene
Concen: 28.398 ng m
RT: 15.063 min Scan# 2172
Delta R.T. 0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25



Tgt Ion:252 Resp: 395864
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 9.9 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 10.312 ng m

RT: 15.092 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

Instrument :

BNA_F

ClientSampleId :

SB-13-9.0-10.0

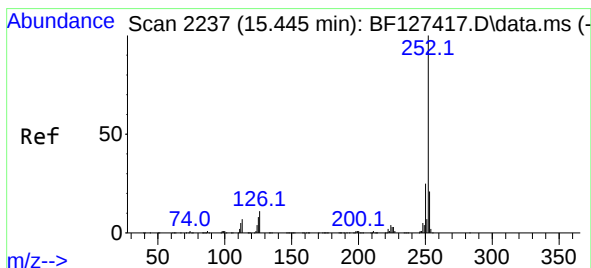
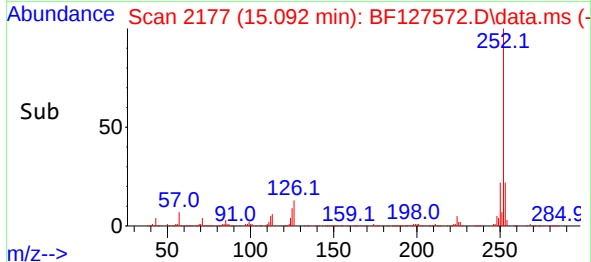
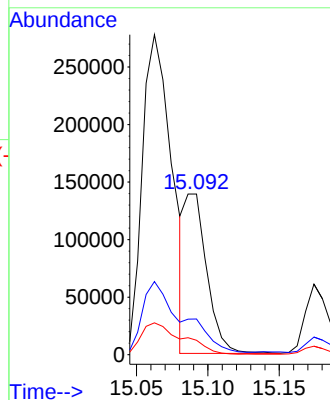
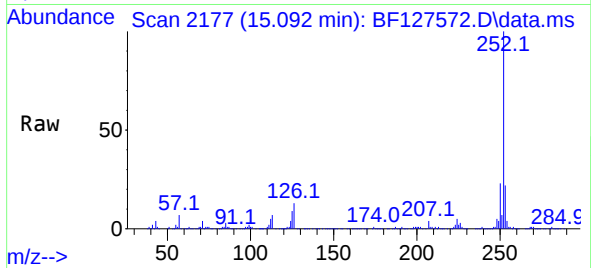
Tgt Ion:252	Resp: 149011
Ion Ratio	Lower Upper
252	100
253	22.2 17.3 25.9
125	9.0 6.9 10.3

Manual Integrations

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Reviewed By :Christian Giraldo 03/30/2022

Supervised By :Jagrut Upadhyay 03/30/2022



#90

Benzo(a)pyrene

Concen: 28.043 ng

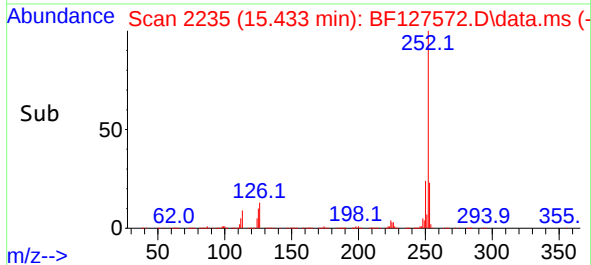
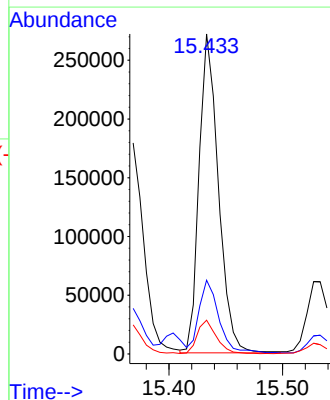
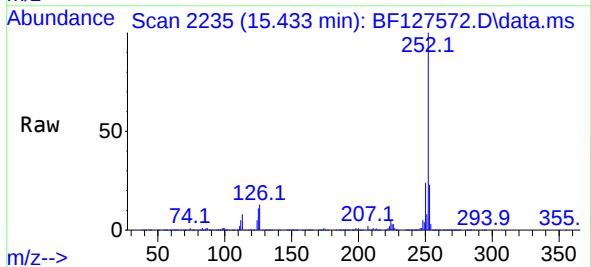
RT: 15.433 min Scan# 2235

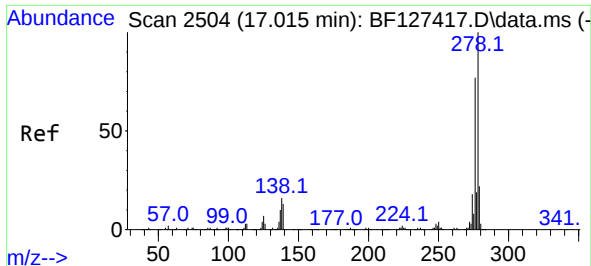
Delta R.T. 0.006 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

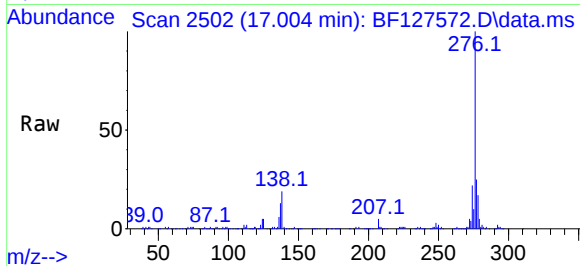
Tgt Ion:252	Resp: 320811
Ion Ratio	Lower Upper
252	100
253	23.1 17.0 25.6
125	10.5 6.7 10.1#





#91
Dibenzo(a,h)anthracene
Concen: 3.743 ng m
RT: 17.004 min Scan# 2502
Delta R.T. 0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

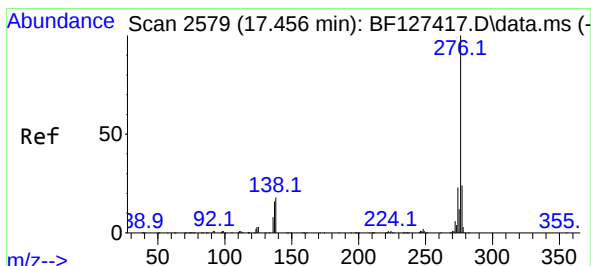
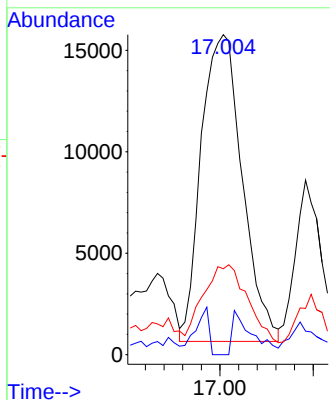
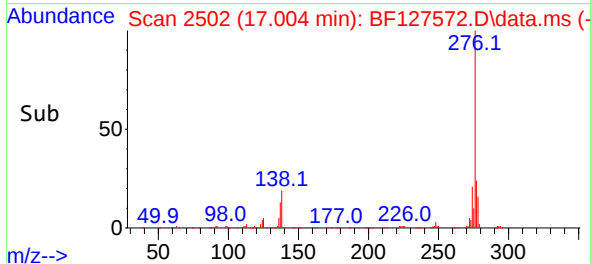
Instrument :
BNA_F
ClientSampleId :
SB-13-9.0-10.0



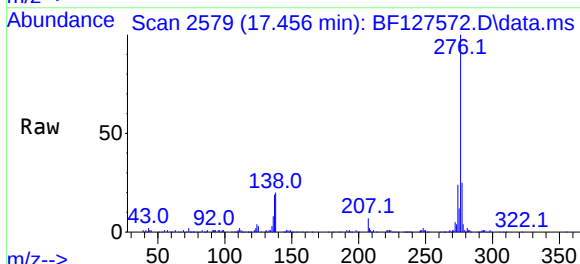
Tgt Ion:278 Resp: 46230
Ion Ratio Lower Upper
278 100
139 0.0 10.8 16.2
279 26.8 17.7 26.5

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



#92
Benzo(g,h,i)perylene
Concen: 12.547 ng
RT: 17.456 min Scan# 2579
Delta R.T. 0.012 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25



Tgt Ion:276 Resp: 160174
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.4
138 20.4 14.6 22.0

