

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032322\
 Data File : BF127493.D
 Acq On : 23 Mar 2022 21:14
 Operator : CG\JU
 Sample : N1962-02DL 25X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-17-16-17DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 24 02:13:44 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	100376	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	344119	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	161391	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	240616	20.000	ng	0.00
76) Chrysene-d12	14.021	240	218414	20.000	ng	0.00
86) Perylene-d12	15.504	264	157863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	23205	3.690	ng	0.02
7) Phenol-d6	6.492	99	33255	3.869	ng	0.00
23) Nitrobenzene-d5	7.416	82	18974	2.357	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	3780	2.199	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	35839	3.243	ng	-0.01
79) Terphenyl-d14	12.957	244	30172	2.261	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	8.151	128	121989	6.677	ng	99
37) 2-Methylnaphthalene	8.845	142	29816	2.538	ng	94
38) 1-Methylnaphthalene	8.939	142	23540	2.026	ng	92
52) Acenaphthene	9.916	154	33985	4.014	ng	92
58) Fluorene	10.433	166	62219	4.136	ng	99
71) Phenanthrene	11.398	178	411755	32.824	ng	99
72) Anthracene	11.451	178	109632	8.807	ng	98
73) Carbazole	11.616	167	34386	2.888	ng	97
75) Fluoranthene	12.592	202	357655	25.922	ng	99
78) Pyrene	12.821	202	306404	16.346	ng	98
81) Benzo(a)anthracene	14.010	228	126145	8.636	ng	98
83) Chrysene	14.051	228	101003	7.302	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	33818	3.166	ng	97
88) Benzo(b)fluoranthene	15.068	252	91133m	9.156	ng	
89) Benzo(k)fluoranthene	15.098	252	35803m	3.470	ng	
90) Benzo(a)pyrene	15.439	252	72177	8.836	ng	# 98
92) Benzo(g,h,i)perylene	17.462	276	32099	3.521	ng	96

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

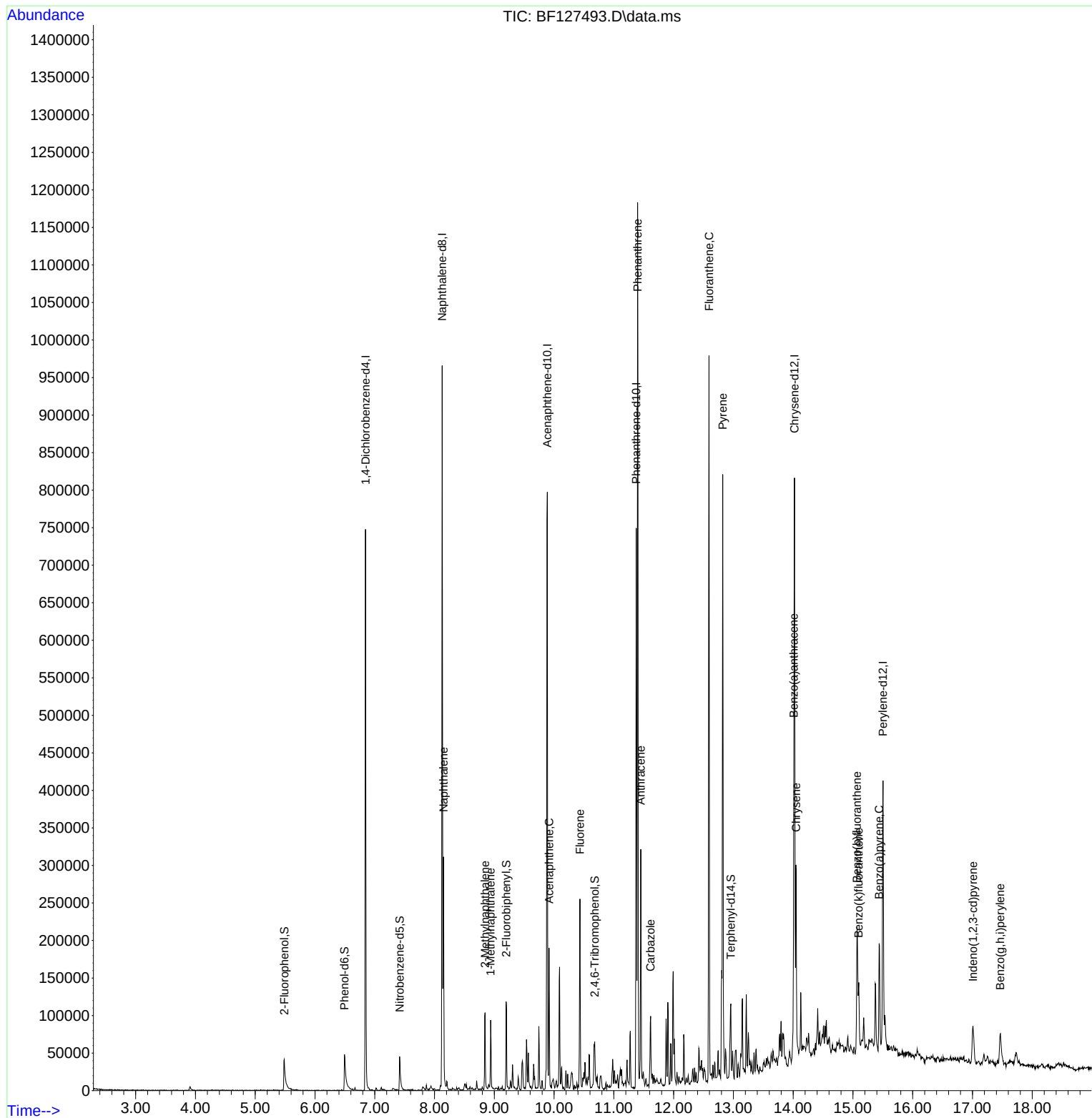
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032322\
Data File : BF127493.D
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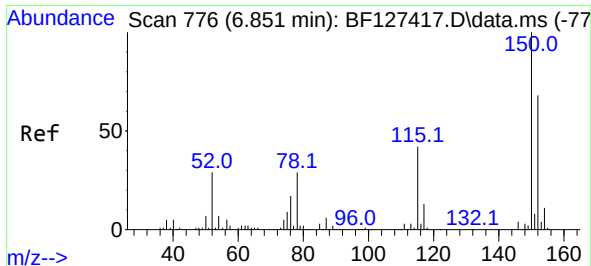
Instrument :
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Quant Time: Mar 24 02:13:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
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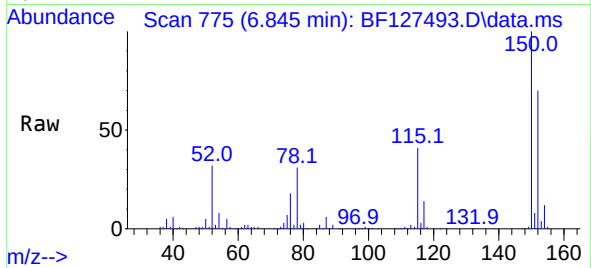
Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

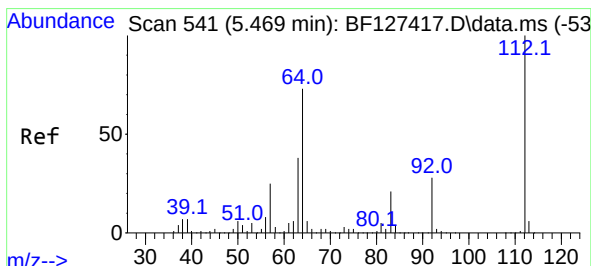
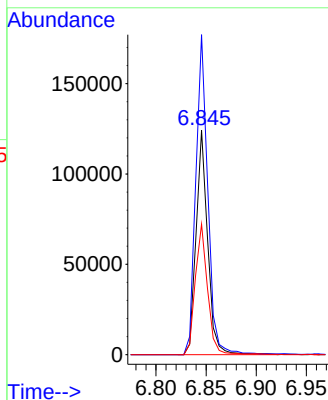
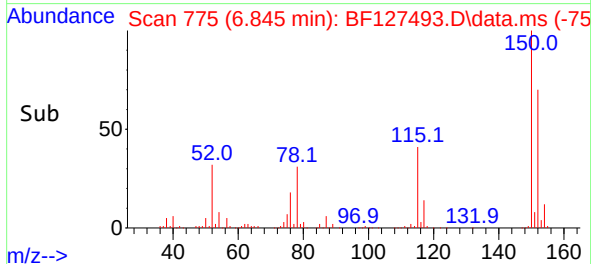
Instrument :
BNA_F
ClientSampleId :
C-17-16-17DL



Tgt Ion:152 Resp: 100370
Ion Ratio Lower Upper
152 100
150 142.6 117.2 175.8
115 58.2 49.8 74.6

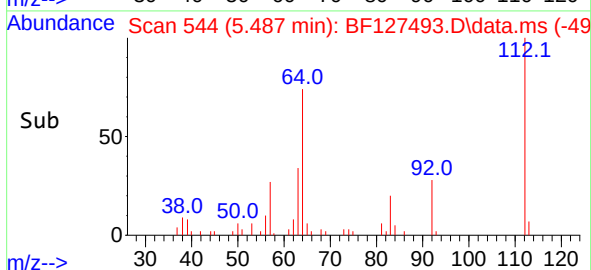
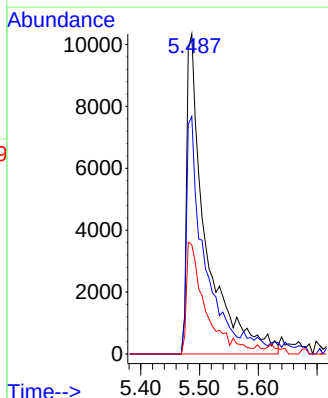
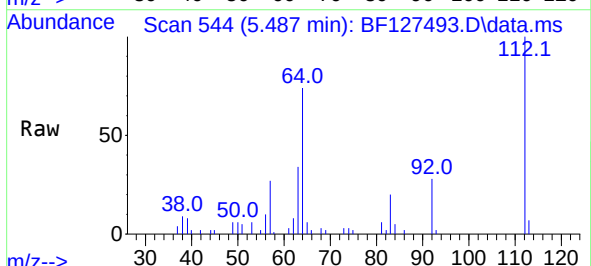
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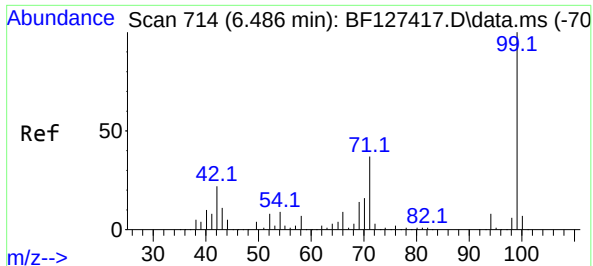
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#5
2-Fluorophenol
Concen: 3.690 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.018 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

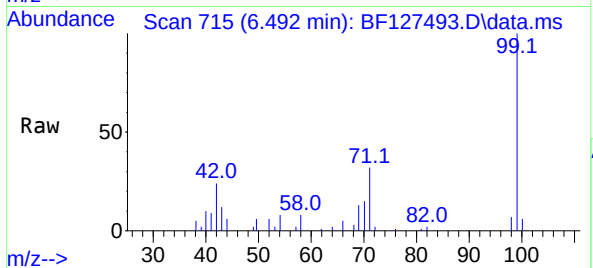
Tgt Ion:112 Resp: 23205
Ion Ratio Lower Upper
112 100
64 74.3 58.4 87.6
63 34.1 30.1 45.1





#7
Phenol-d6
Concen: 3.869 ng
RT: 6.492 min Scan# 714
Delta R.T. 0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

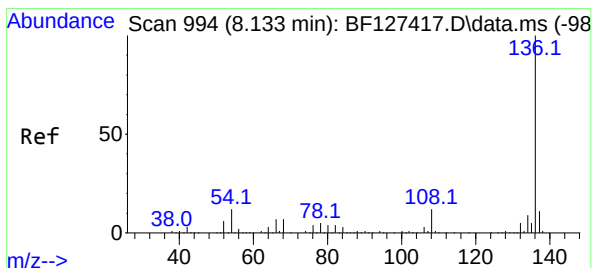
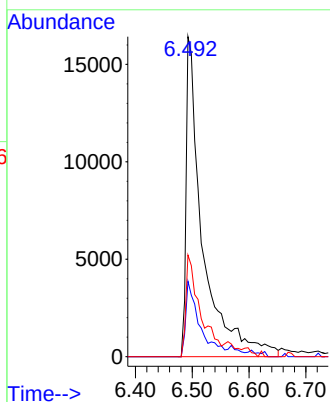
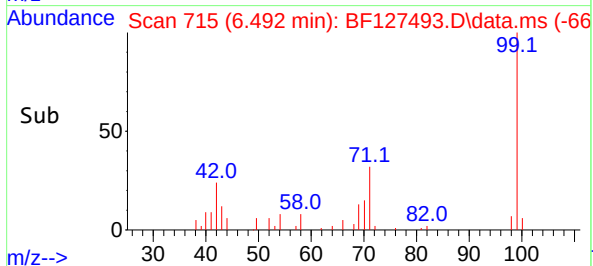
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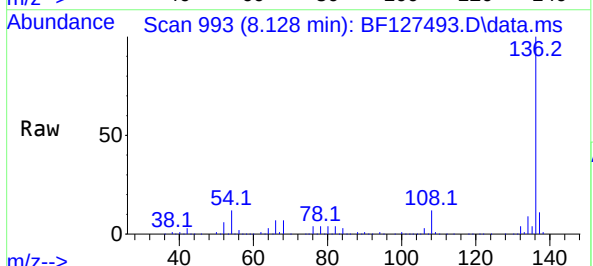
Tgt Ion: 99 Resp: 3325
Ion Ratio Lower Upper
99 100
42 23.6 17.8 26.6
71 31.8 29.6 44.4

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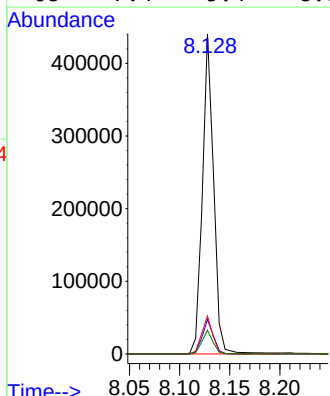
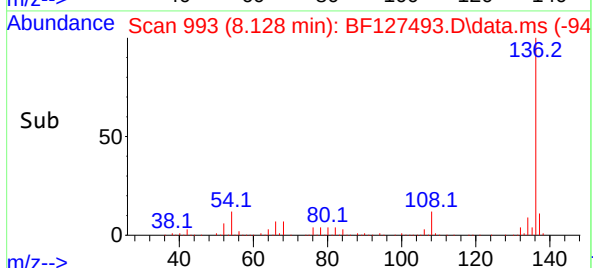
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

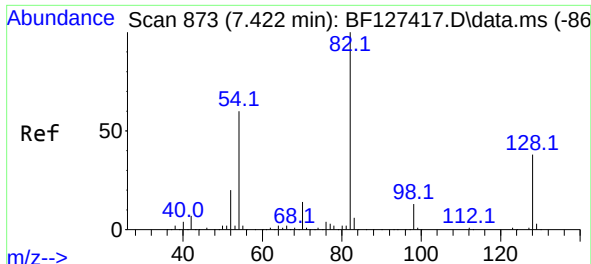


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14



Tgt Ion:136 Resp: 344119
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 11.9 9.2 13.8
68 7.4 5.4 8.0





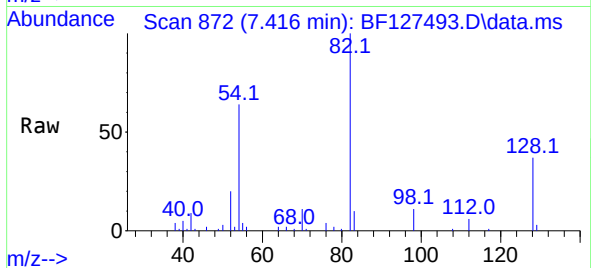
#23
Nitrobenzene-d5
Concen: 2.357 ng
RT: 7.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-17-16-17DL

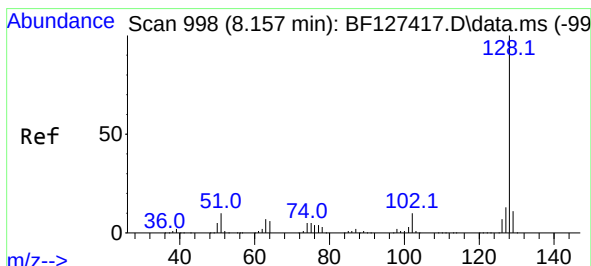
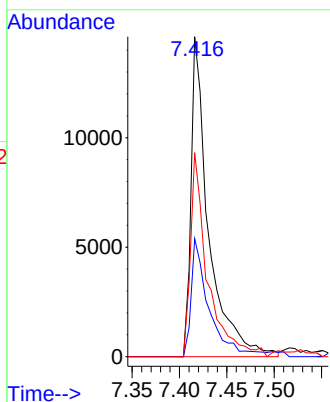
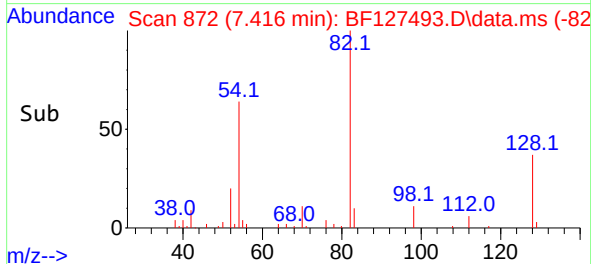


Tgt Ion: 82 Resp: 18974
Ion Ratio Lower Upper
82 100
128 36.9 30.6 45.8
54 63.8 48.2 72.2

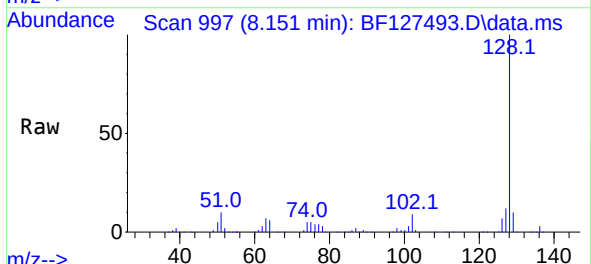
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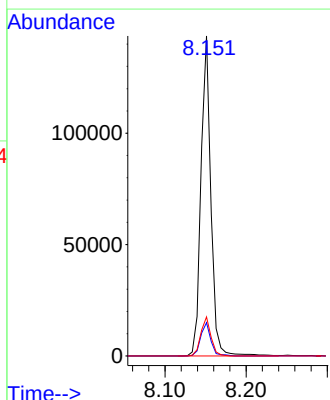
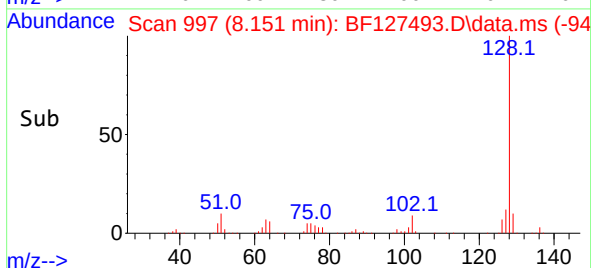
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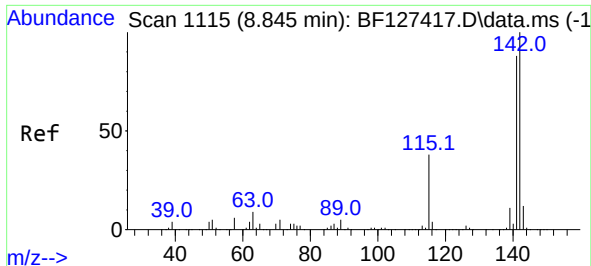


#31
Naphthalene
Concen: 6.677 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14



Tgt Ion:128 Resp: 121989
Ion Ratio Lower Upper
128 100
129 10.4 8.4 12.6
127 12.2 10.2 15.2





#37

2-Methylnaphthalene

Concen: 2.538 ng

RT: 8.845 min Scan# 1115

Delta R.T. 0.000 min

Lab File: BF127493.D

Acq: 23 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-17-16-17DL

Tgt Ion:142 Resp: 29810

Ion Ratio Lower Upper

142 100

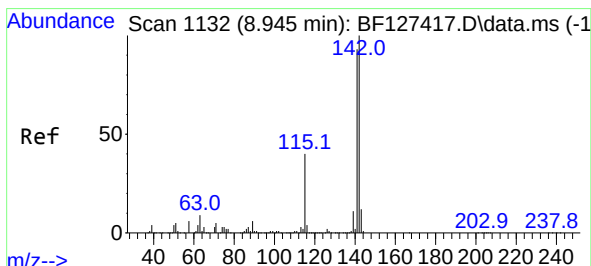
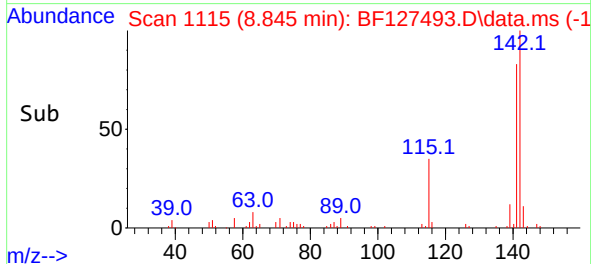
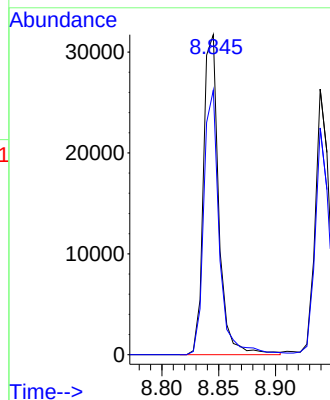
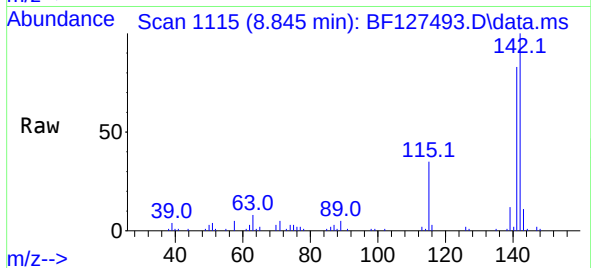
141 82.6 70.6 106.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/24/2022



#38

1-Methylnaphthalene

Concen: 2.026 ng

RT: 8.939 min Scan# 1131

Delta R.T. -0.006 min

Lab File: BF127493.D

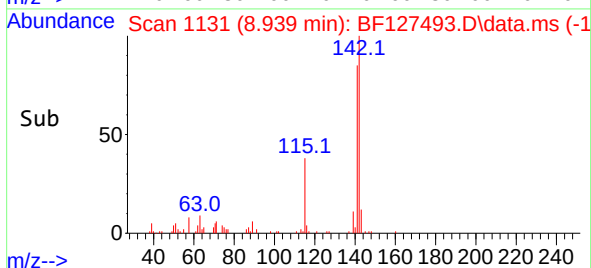
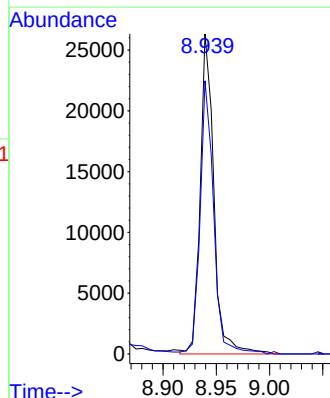
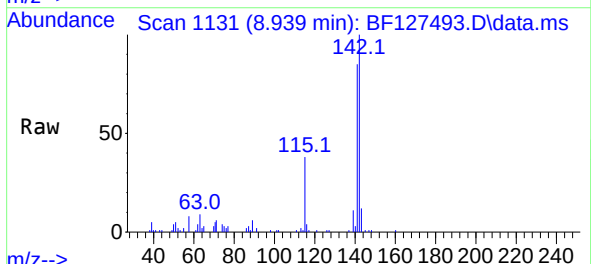
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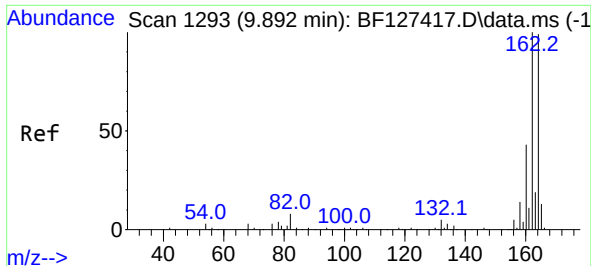
Tgt Ion:142 Resp: 23540

Ion Ratio Lower Upper

142 100

141 85.4 74.2 111.2





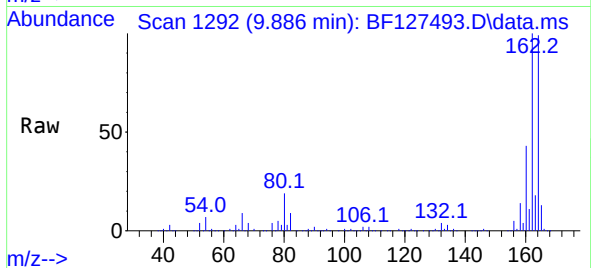
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-17-16-17DL

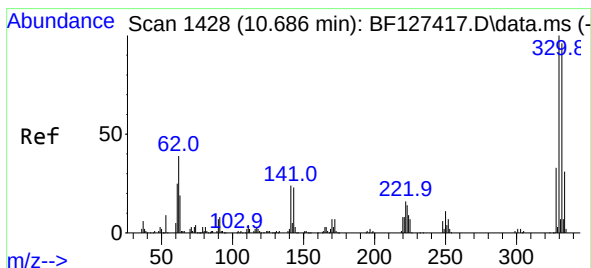
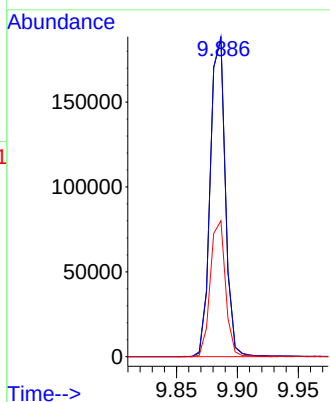
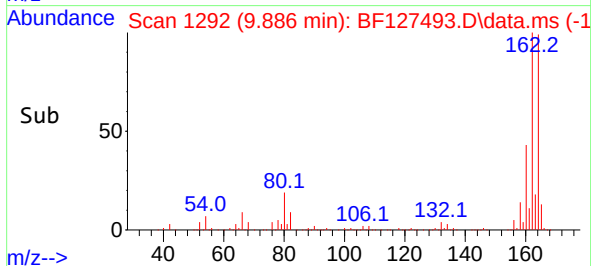


Tgt Ion:164 Resp: 16139
Ion Ratio Lower Upper
164 100
162 100.9 81.2 121.8
160 42.9 34.6 52.0

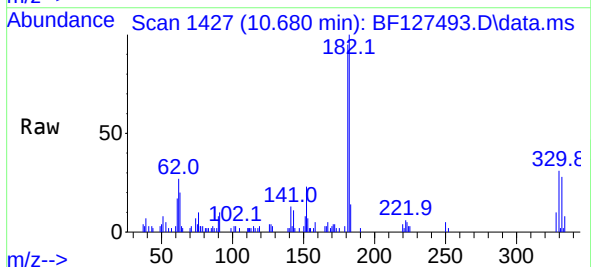
Manual Integrations

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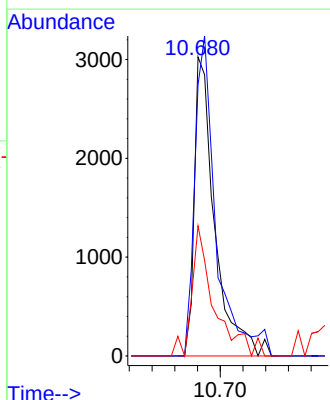
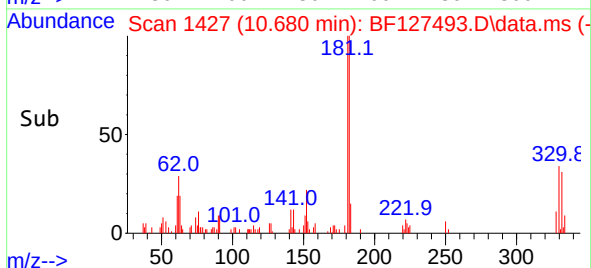
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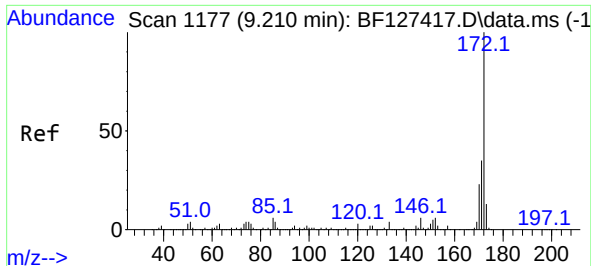


#42
2,4,6-Tribromophenol
Concen: 2.199 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14



Tgt Ion:330 Resp: 3780
Ion Ratio Lower Upper
330 100
332 111.5 79.1 118.7
141 47.5 26.2 39.4#





#45
2-Fluorobiphenyl
Concen: 3.243 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

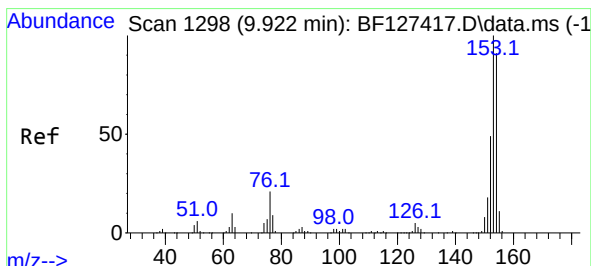
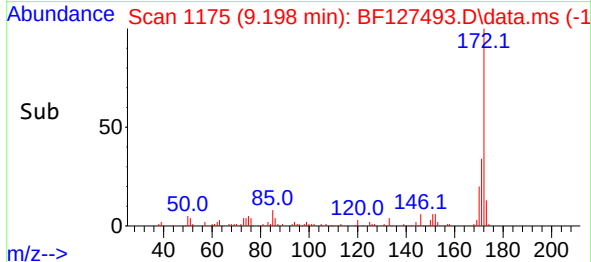
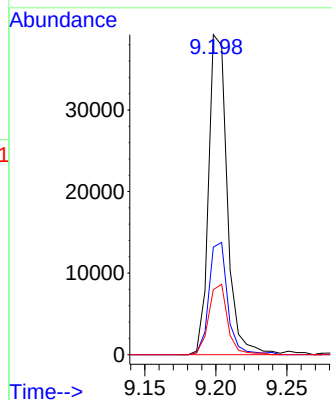
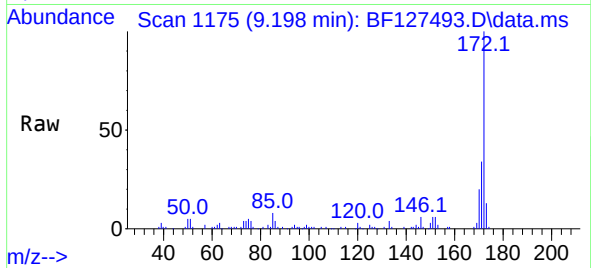
C-17-16-17DL

Tgt Ion:172 Resp: 35839
Ion Ratio Lower Upper
172 100
171 33.6 28.4 42.6
170 20.3 18.6 27.8

Manual Integrations

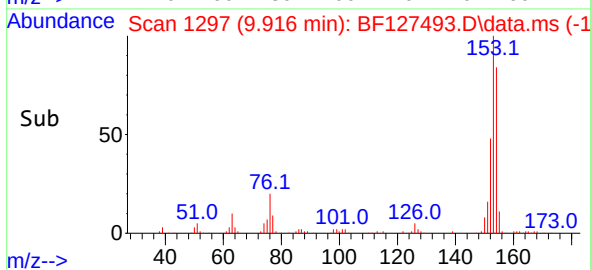
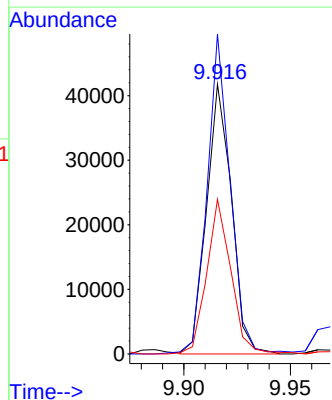
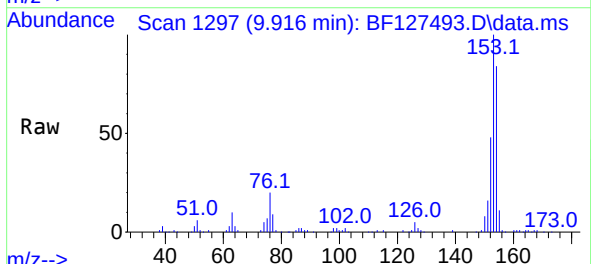
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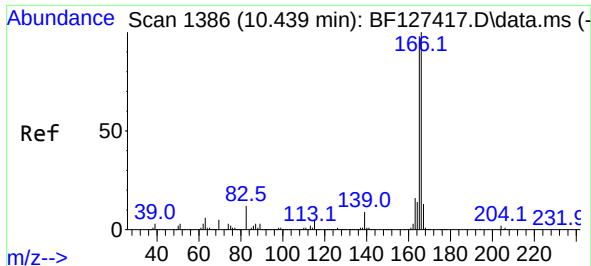
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#52
Acenaphthene
Concen: 4.014 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:154 Resp: 33985
Ion Ratio Lower Upper
154 100
153 118.6 87.6 131.4
152 57.3 42.9 64.3





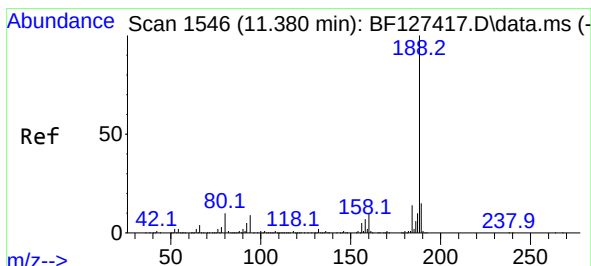
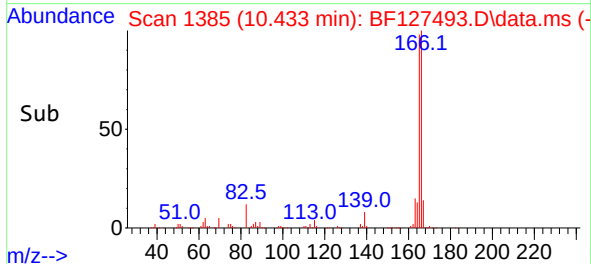
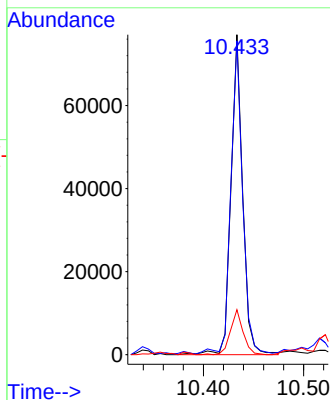
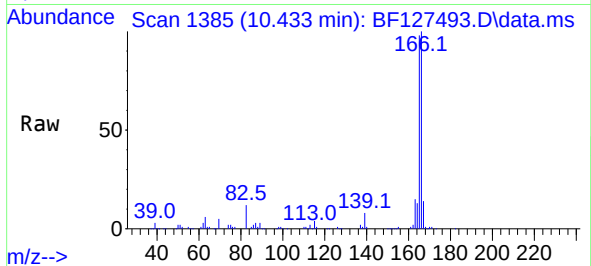
#58
Fluorene
Concen: 4.136 ng
RT: 10.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Instrument :
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ClientSampleId :
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Tgt Ion:166 Resp: 62219
Ion Ratio Lower Upper
166 100
165 98.1 78.1 117.1
167 14.1 10.5 15.7

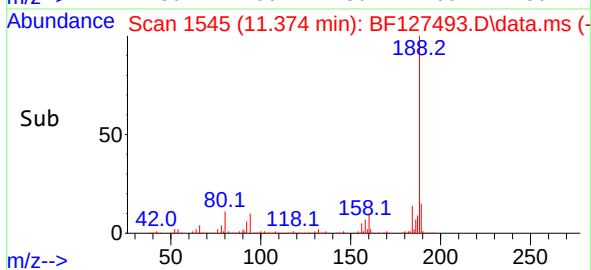
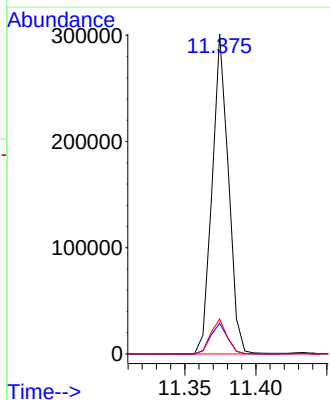
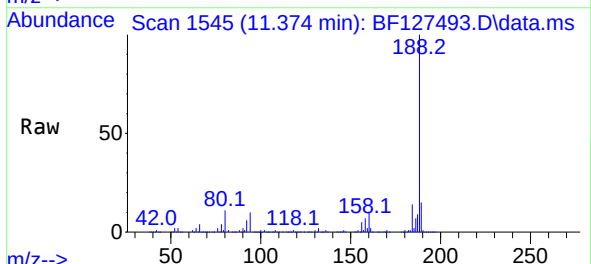
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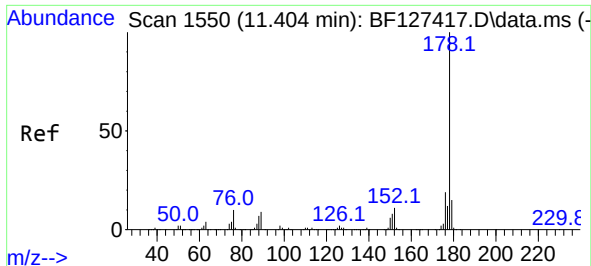
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:188 Resp: 240616
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.0
80 11.0 8.0 12.0





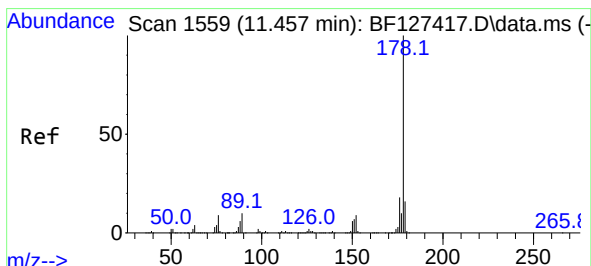
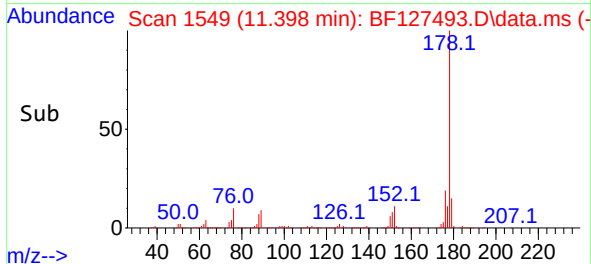
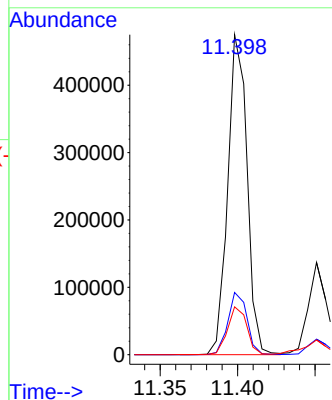
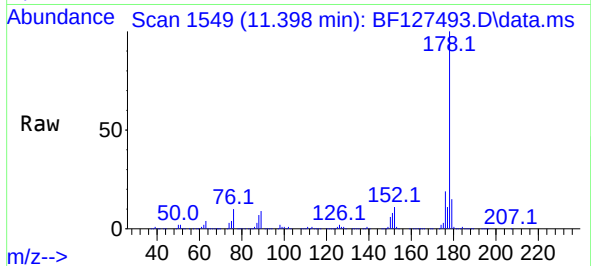
#71
Phenanthrene
Concen: 32.824 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Instrument :
BNA_F
ClientSampleId :
C-17-16-17DL

Tgt Ion:178 Resp: 41175
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 14.9 12.4 18.6

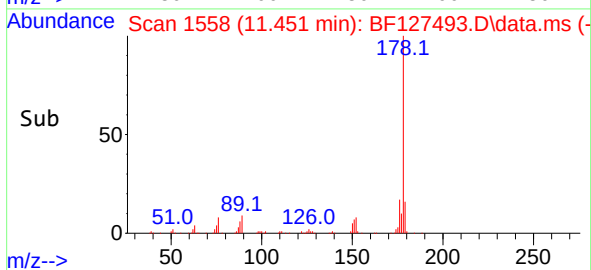
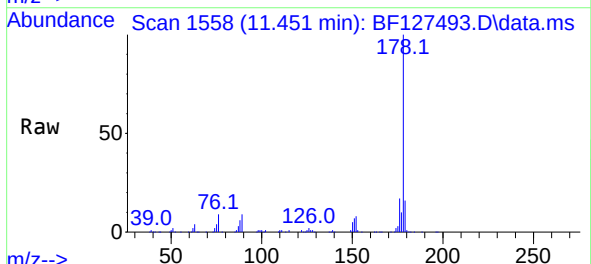
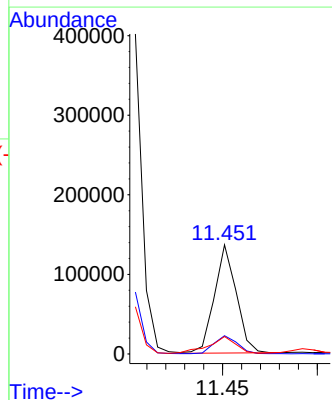
Manual Integrations
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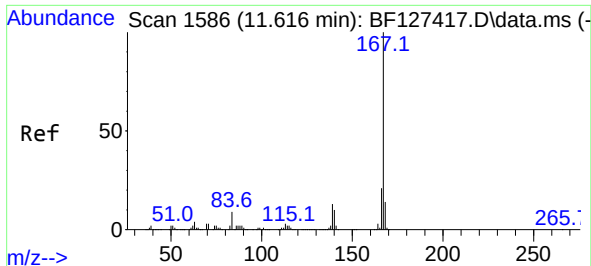
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#72
Anthracene
Concen: 8.807 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:178 Resp: 109632
Ion Ratio Lower Upper
178 100
176 16.8 14.6 22.0
179 16.0 12.4 18.6





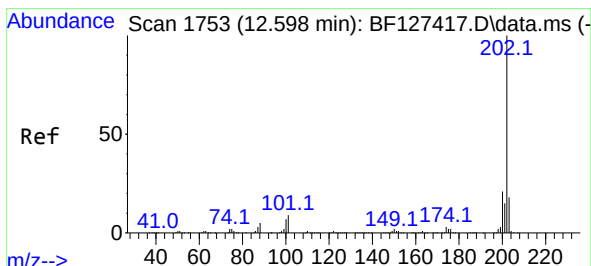
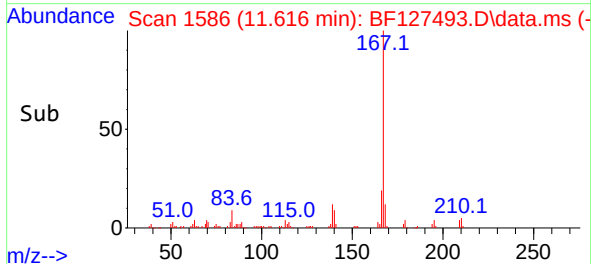
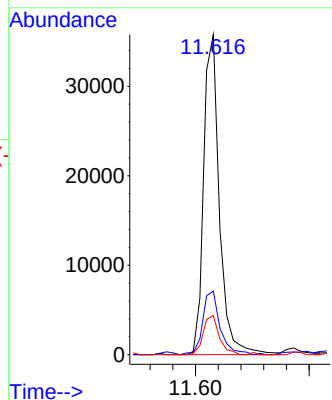
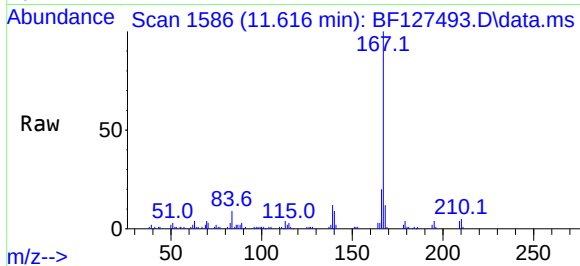
#73
 Carbazole
 Concen: 2.888 ng
 RT: 11.616 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127493.D
 Acq: 23 Mar 2022 21:14

Instrument :
 BNA_F
 ClientSampleId :
 C-17-16-17DL

Tgt Ion:167 Resp: 34380
 Ion Ratio Lower Upper
 167 100
 166 19.8 17.0 25.4
 139 12.2 10.5 15.7

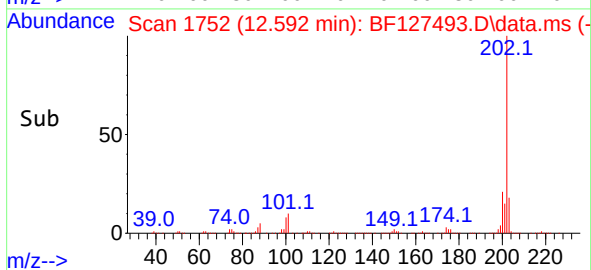
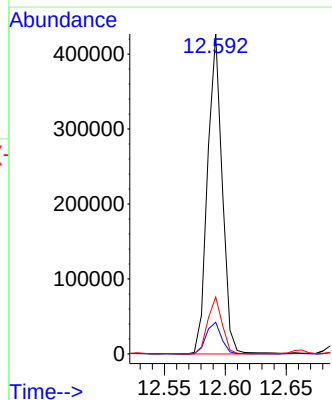
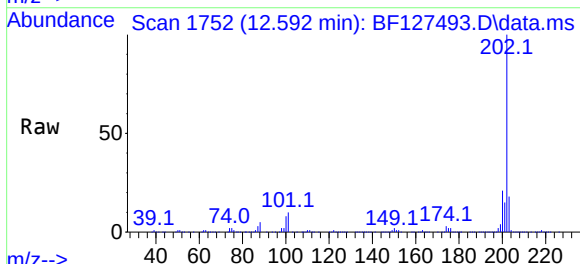
Manual Integrations
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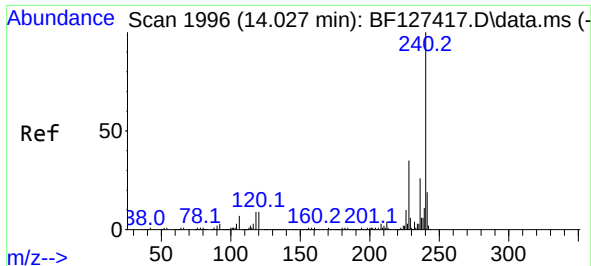
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#75
 Fluoranthene
 Concen: 25.922 ng
 RT: 12.592 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: BF127493.D
 Acq: 23 Mar 2022 21:14

Tgt Ion:202 Resp: 357655
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 29.0
 203 17.8 0.0 37.7





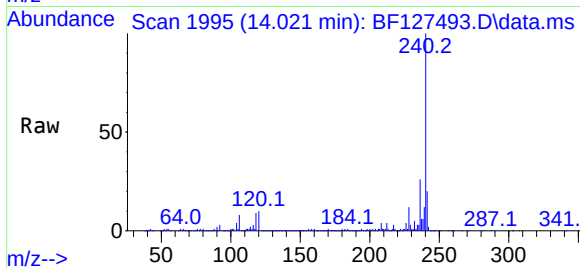
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-17-16-17DL

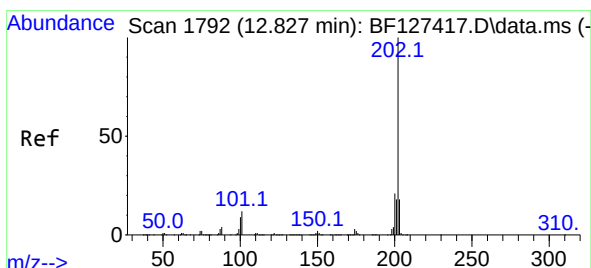
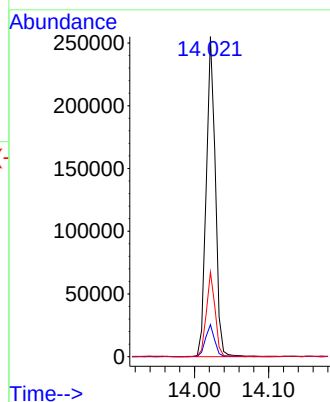
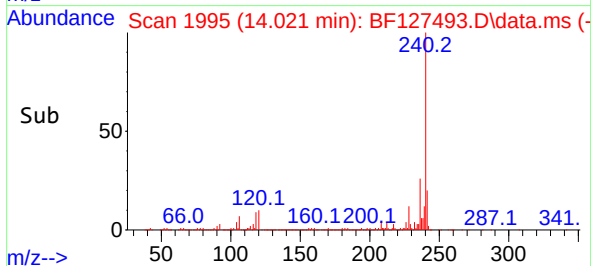


Tgt Ion:240 Resp: 218414
Ion Ratio Lower Upper
240 100
120 10.0 7.1 10.7
236 26.4 20.7 31.1

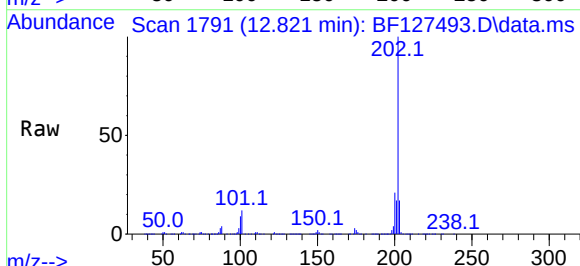
Manual Integrations

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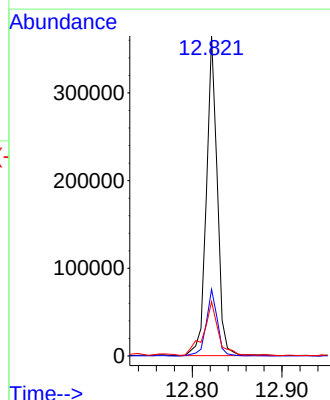
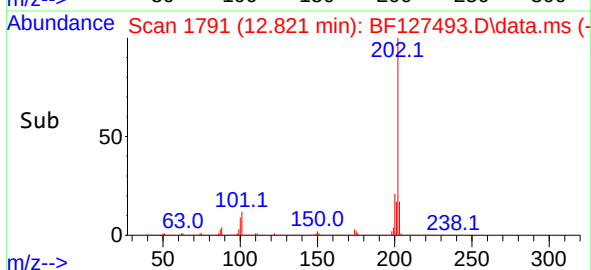
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

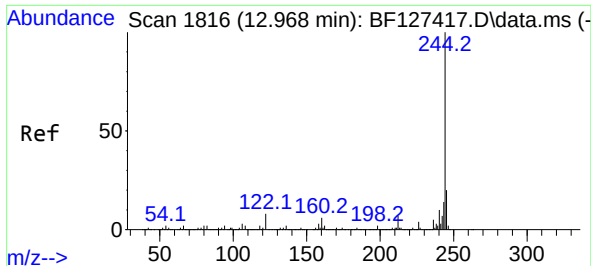


#78
Pyrene
Concen: 16.346 ng
RT: 12.821 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14



Tgt Ion:202 Resp: 306404
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.0 14.3 21.5





#79
 Terphenyl-d14
 Concen: 2.261 ng
 RT: 12.957 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF127493.D
 Acq: 23 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

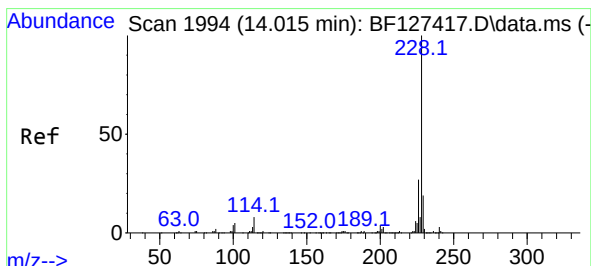
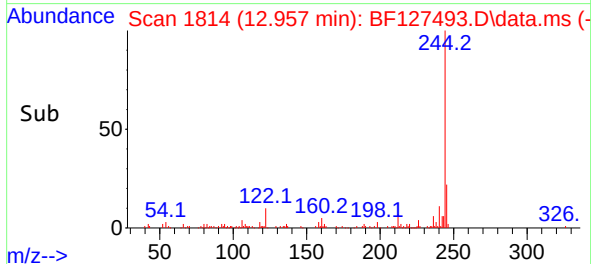
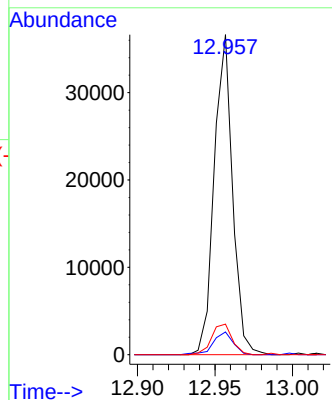
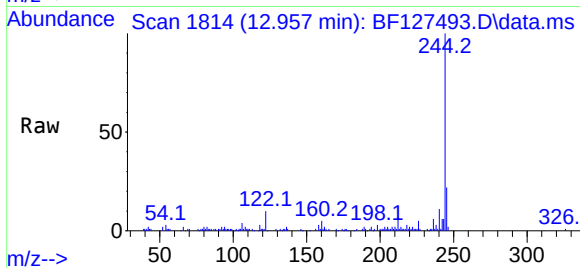
C-17-16-17DL

Tgt Ion:244 Resp: 30172
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 9.6 6.2 9.2

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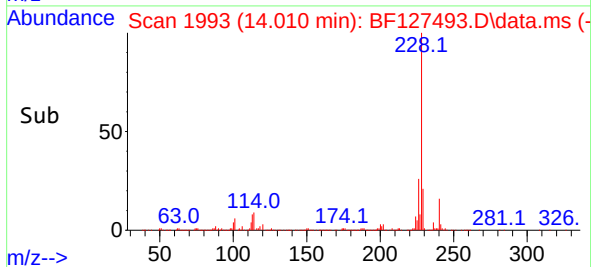
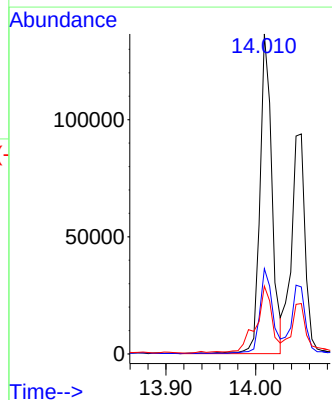
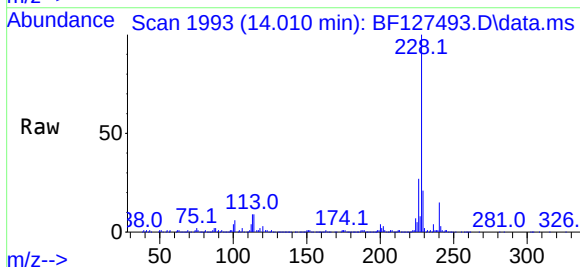
APPROVED

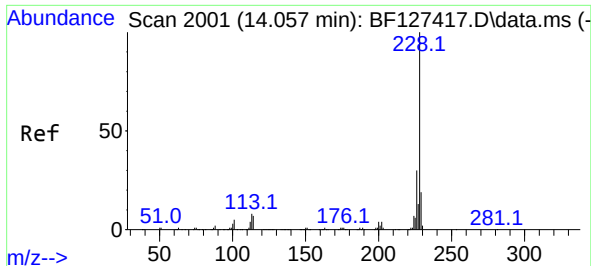
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#81
 Benzo(a)anthracene
 Concen: 8.636 ng
 RT: 14.010 min Scan# 1993
 Delta R.T. -0.006 min
 Lab File: BF127493.D
 Acq: 23 Mar 2022 21:14

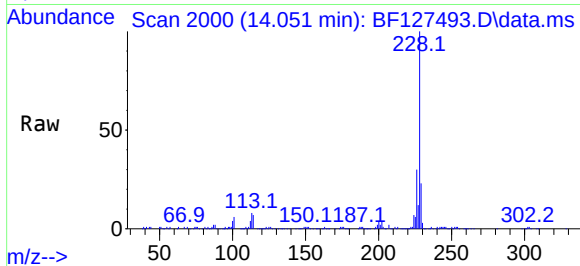
Tgt Ion:228 Resp: 126145
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.6 32.4
 229 21.2 15.4 23.2





#83
Chrysene
Concen: 7.302 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

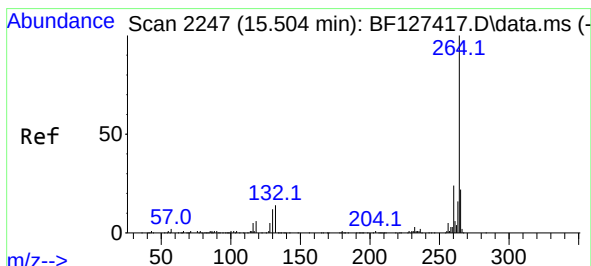
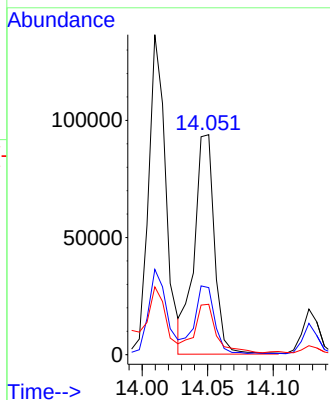
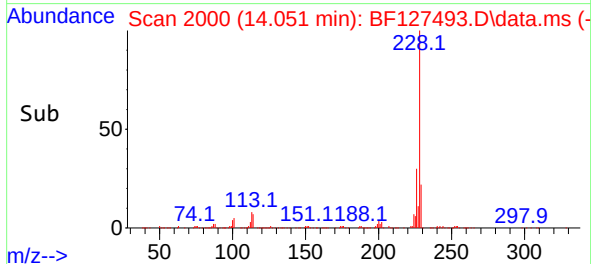
Instrument :
BNA_F
ClientSampleId :
C-17-16-17DL



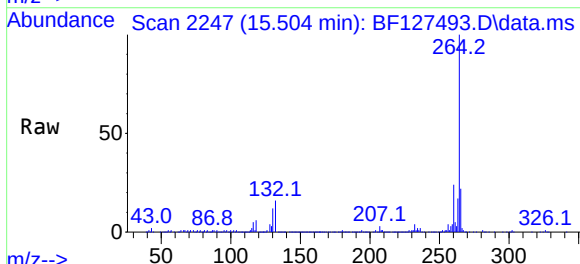
Tgt Ion: 228 Resp: 101000
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.4
229 22.9 15.4 23.2

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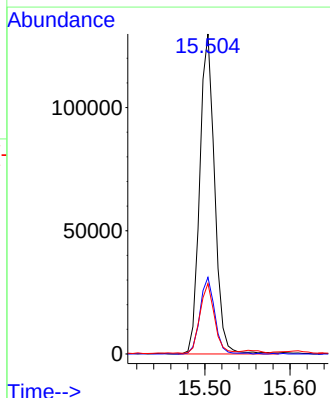
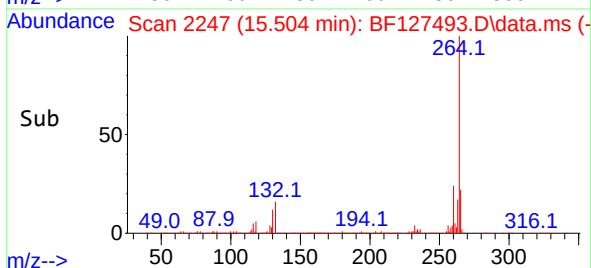
Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022

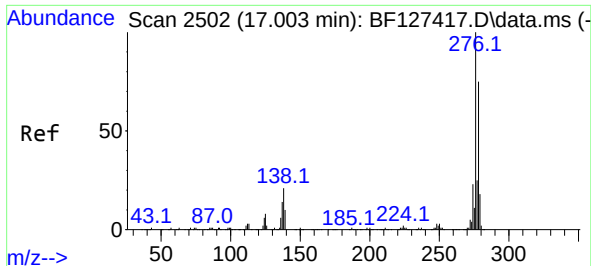


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2247
Delta R.T. 0.000 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14



Tgt Ion: 264 Resp: 157863
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 22.0 17.4 26.2





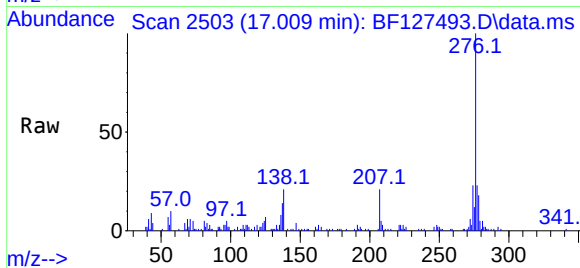
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.166 ng
 RT: 17.009 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF127493.D
 Acq: 23 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-17-16-17DL

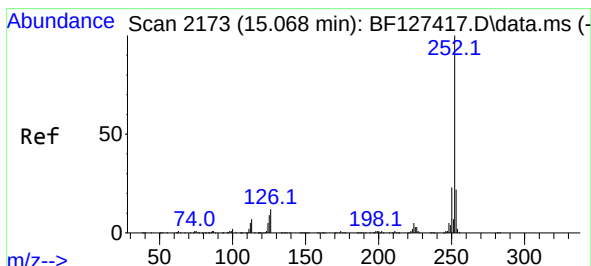
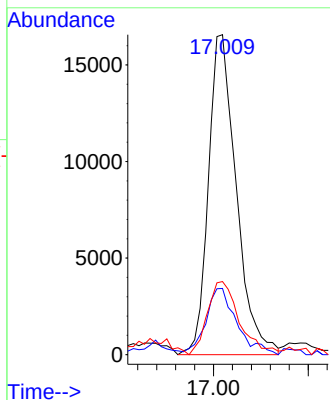
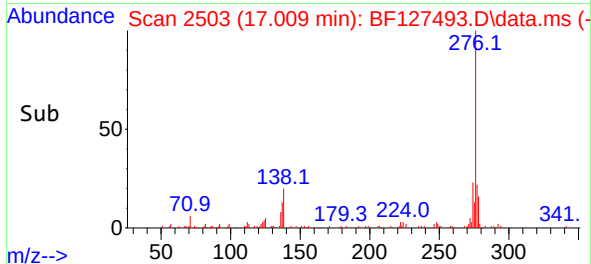


Tgt Ion:276 Resp: 33818
 Ion Ratio Lower Upper
 276 100
 138 23.0 17.1 25.7
 277 26.2 19.9 29.9

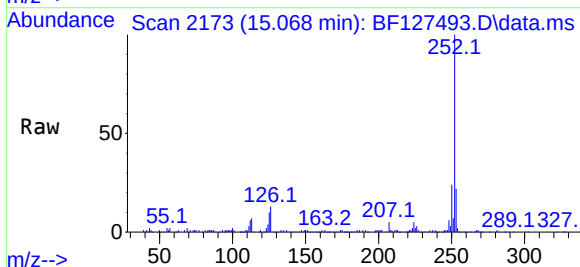
Manual Integrations

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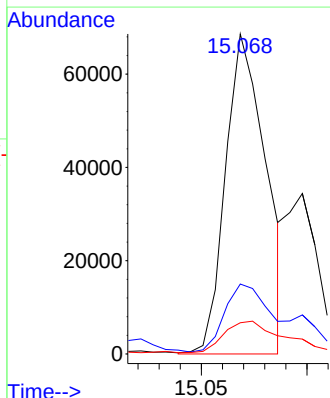
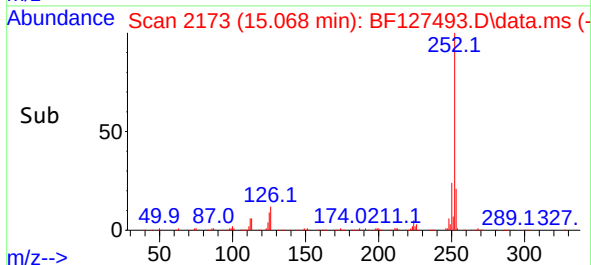
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022

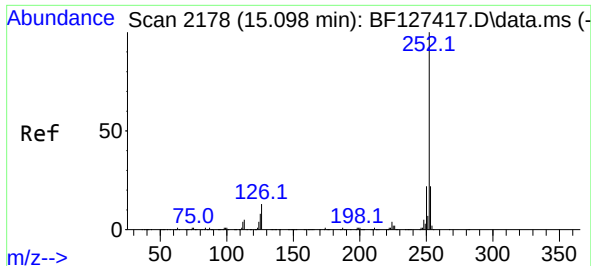


#88
 Benzo(b)fluoranthene
 Concen: 9.156 ng m
 RT: 15.068 min Scan# 2173
 Delta R.T. 0.000 min
 Lab File: BF127493.D
 Acq: 23 Mar 2022 21:14



Tgt Ion:252 Resp: 91133
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.9 26.9
 125 9.8 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 3.470 ng m

RT: 15.098 min Scan# 2178

Delta R.T. -0.000 min

Lab File: BF127493.D

Acq: 23 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-17-16-17DL

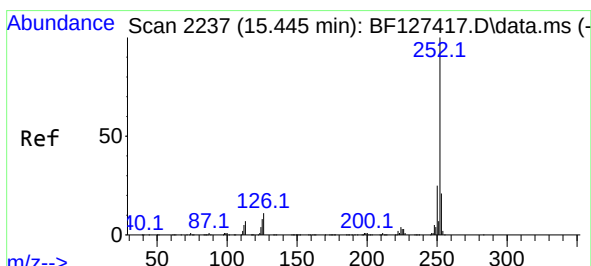
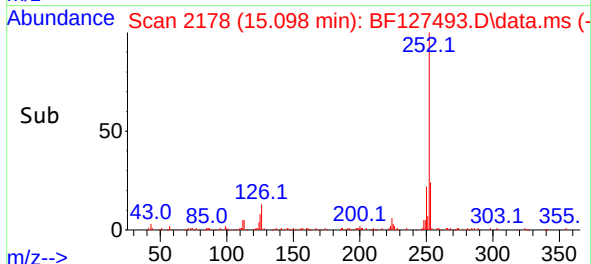
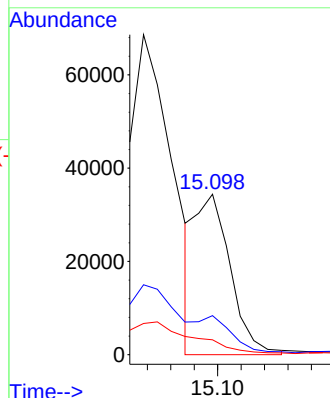
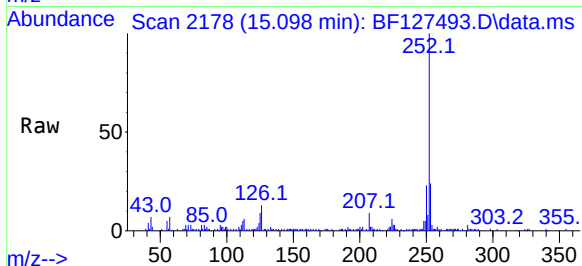
Tgt Ion:252 Resp: 3580

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.3	25.9
125	9.3	6.9	10.3

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 8.836 ng

RT: 15.439 min Scan# 2236

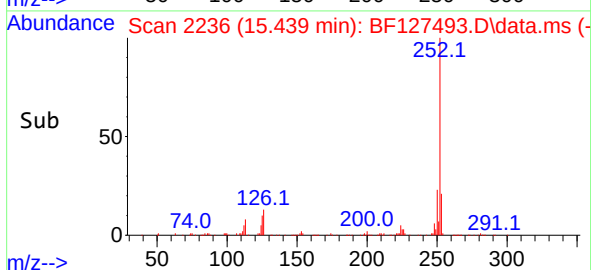
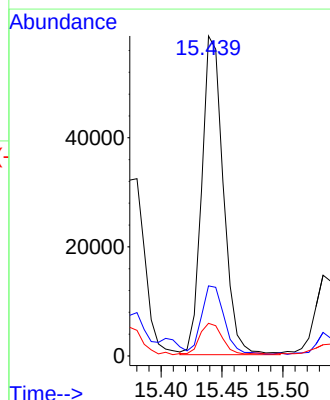
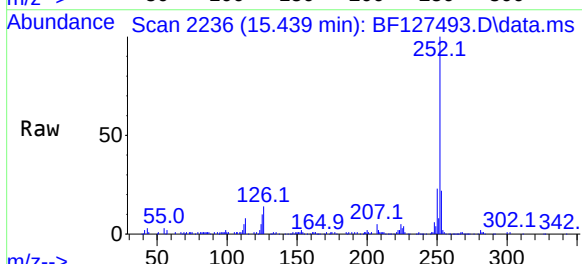
Delta R.T. -0.006 min

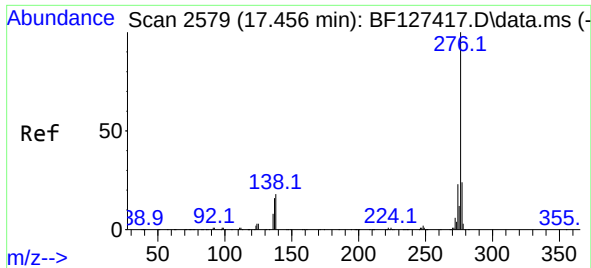
Lab File: BF127493.D

Acq: 23 Mar 2022 21:14

Tgt Ion:252 Resp: 72177

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	10.2	6.7	10.1





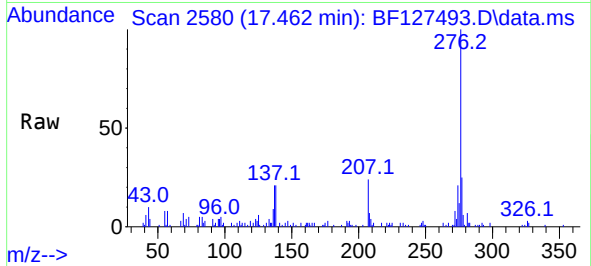
#92
 Benzo(g,h,i)perylene
 Concen: 3.521 ng
 RT: 17.462 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF127493.D
 Acq: 23 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-17-16-17DL



Tgt Ion:276 Resp: 32099
 Ion Ratio Lower Upper
 276 100
 277 25.3 19.0 28.4
 138 20.5 14.6 22.0

Manual Integrations

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 Supervised By :Jagrut Upadhyay 03/24/2022

