

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
 Data File : BF128243.D
 Acq On : 13 May 2022 17:12
 Operator : CG\JU
 Sample : N2823-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/16/2022
 Supervised By : Jagrut Upadhyay 05/16/2022

Quant Time: May 14 00:56:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 14 00:51:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	61028	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	233273	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	131374	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	223566	20.000	ng	0.00
76) Chrysene-d12	14.063	240	129667	20.000	ng	0.00
86) Perylene-d12	15.557	264	139730	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	217135	56.719	ng	0.00
7) Phenol-d6	6.516	99	439277	86.754	ng	-0.01
23) Nitrobenzene-d5	7.451	82	331914	64.024	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	5341	3.545	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	563862	67.157	ng	0.00
79) Terphenyl-d14	13.004	244	487424	70.535	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.186	128	83698	7.265	ng	100
37) 2-Methylnaphthalene	8.880	142	33123	4.264	ng	95
38) 1-Methylnaphthalene	8.980	142	17259	2.314	ng	99
55) Dibenzofuran	10.127	168	112218	10.632	ng	100
71) Phenanthrene	11.445	178	592541	53.228	ng	99
72) Anthracene	11.492	178	51598	4.642	ng	99
73) Carbazole	11.651	167	50509	4.779	ng	99
75) Fluoranthene	12.633	202	310346	25.714	ng	96
78) Pyrene	12.863	202	172826	18.382	ng	99
81) Benzo(a)anthracene	14.051	228	80180	9.681	ng	98
83) Chrysene	14.086	228	81014	10.252	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	2670608	505.673	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.062	276	42009	4.970	ng	93
88) Benzo(b)fluoranthene	15.115	252	103683m	11.970	ng	
89) Benzo(k)fluoranthene	15.139	252	34235m	4.004	ng	
90) Benzo(a)pyrene	15.492	252	62746	8.973	ng	97
92) Benzo(g,h,i)perylene	17.521	276	35549	5.131	ng	99

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

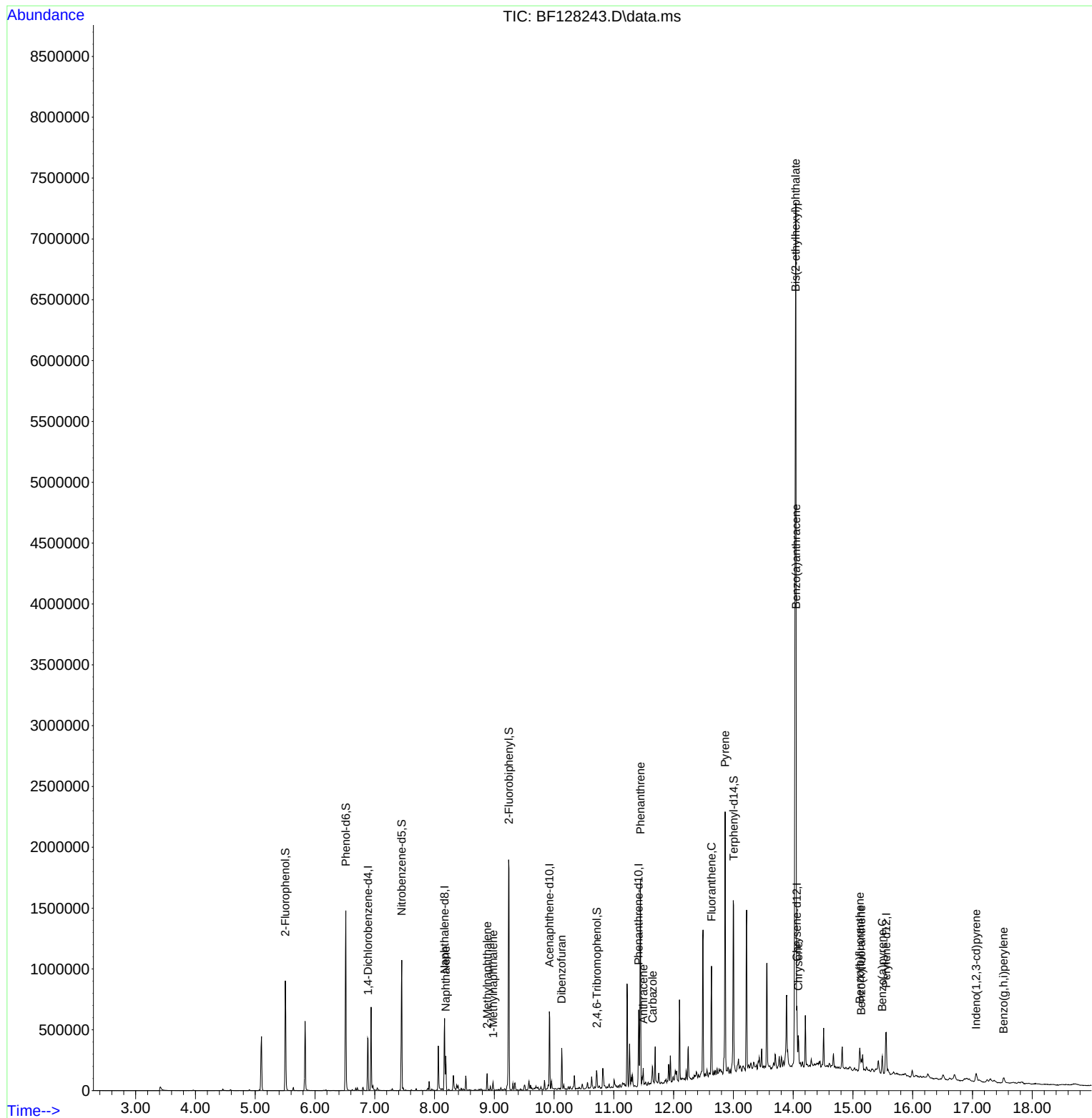
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
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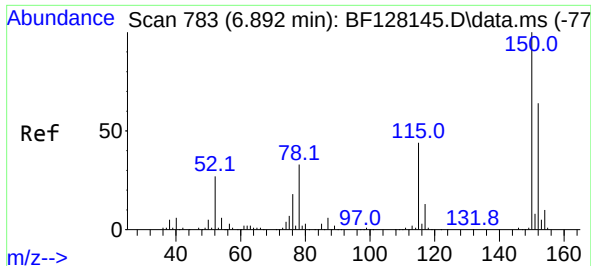
Instrument :
BNA_F
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Quant Time: May 14 00:56:24 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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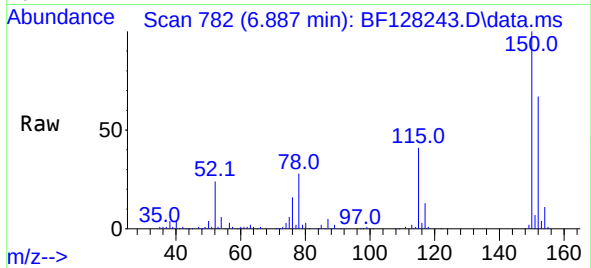
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

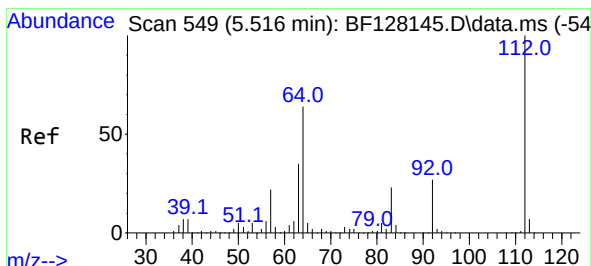
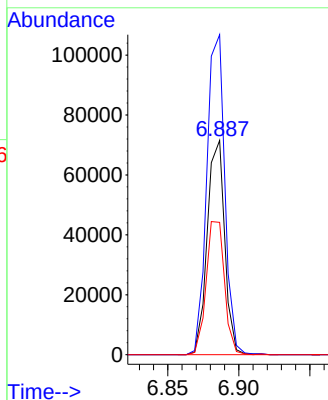
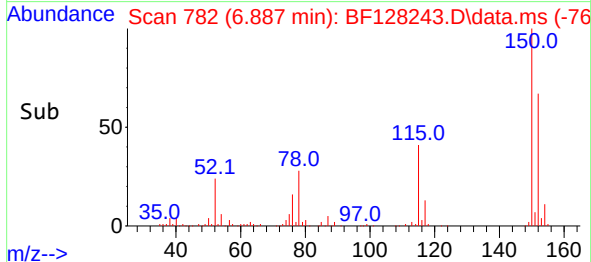
Instrument :
BNA_F
ClientSampleId :
SC-4



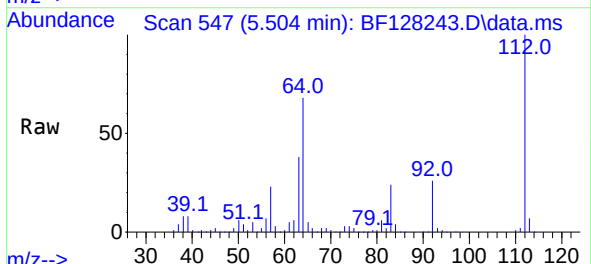
Tgt Ion:152 Resp: 61028
Ion Ratio Lower Upper
152 100
150 149.4 125.3 187.9
115 61.8 48.8 73.2

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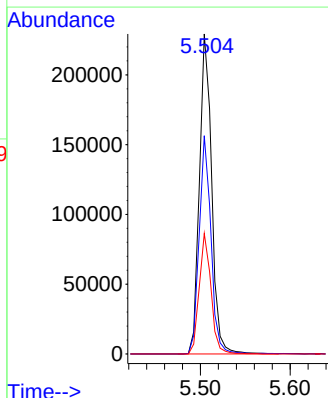
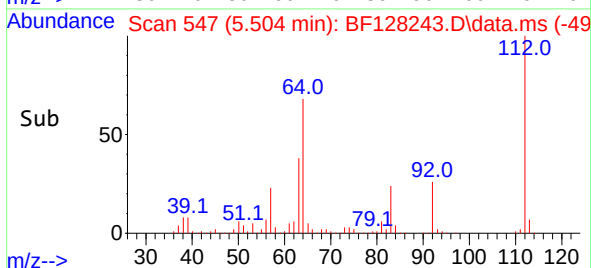
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

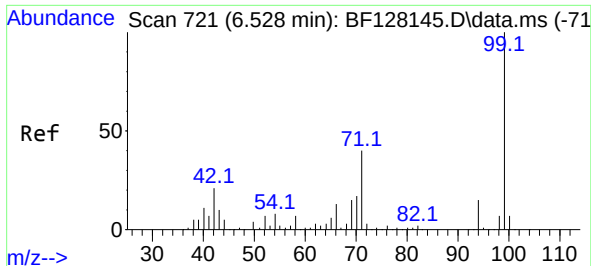


#5
2-Fluorophenol
Concen: 56.719 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12



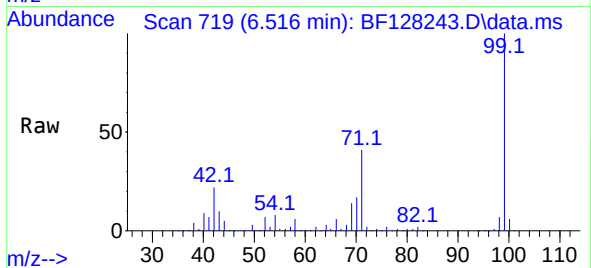
Tgt Ion:112 Resp: 217135
Ion Ratio Lower Upper
112 100
64 68.2 49.5 74.3
63 37.7 26.3 39.5





#7
Phenol-d6
Concen: 86.754 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

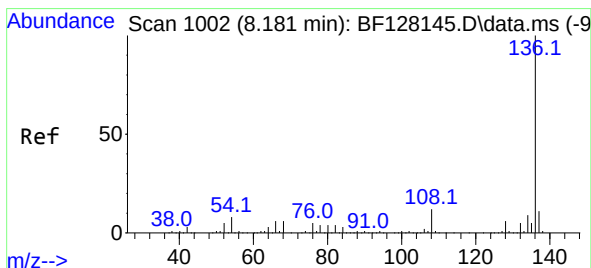
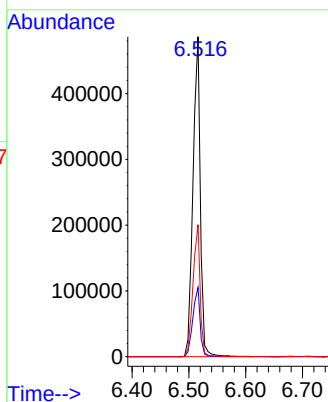
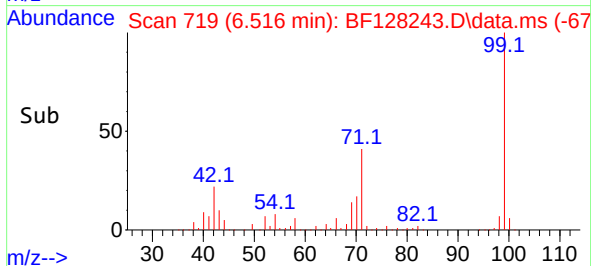
Instrument :
BNA_F
ClientSampleId :
SC-4



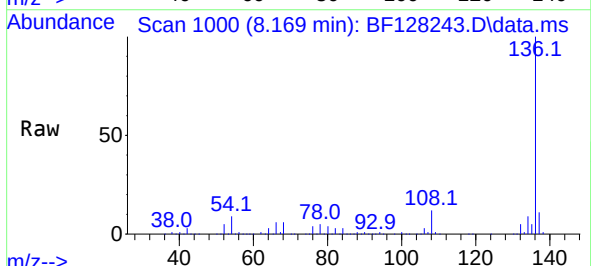
Tgt Ion: 99 Resp: 43927
Ion Ratio Lower Upper
99 100
42 21.6 16.6 24.8
71 41.3 30.0 45.0

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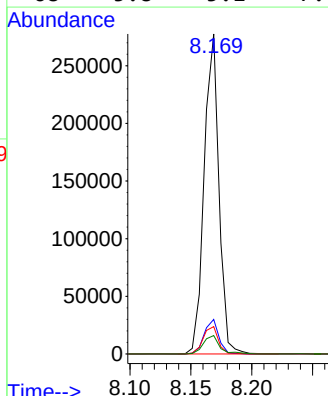
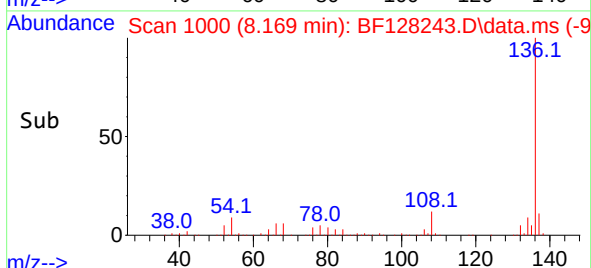
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

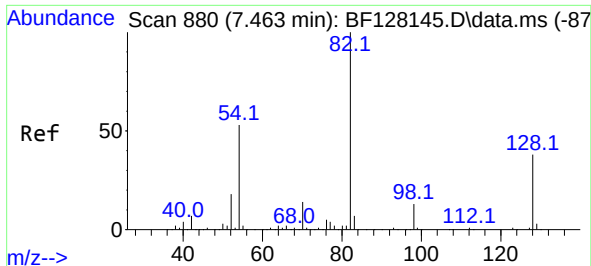


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12



Tgt Ion:136 Resp: 233273
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.5 6.8 10.2
68 5.8 5.1 7.7





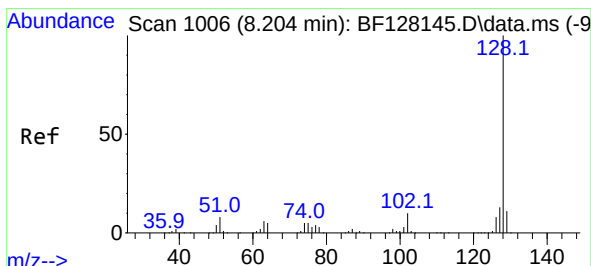
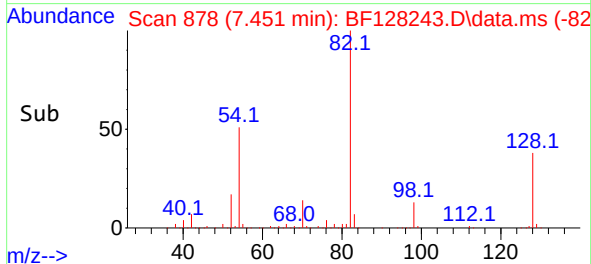
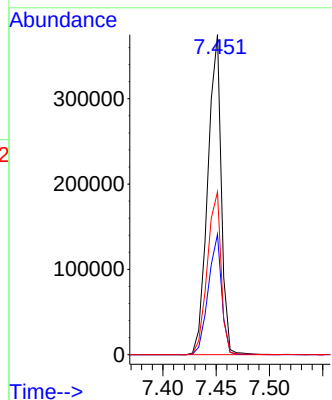
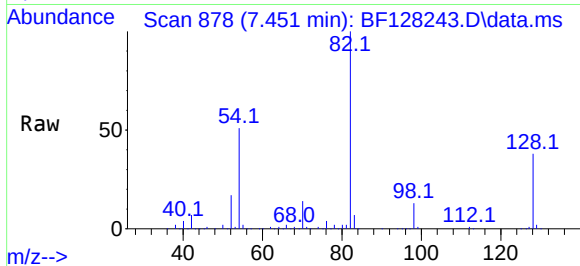
#23
Nitrobenzene-d5
Concen: 64.024 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Instrument :
BNA_F
ClientSampleId :
SC-4

Tgt Ion: 82 Resp: 331914
Ion Ratio Lower Upper
82 100
128 37.6 30.0 45.0
54 50.8 41.3 61.9

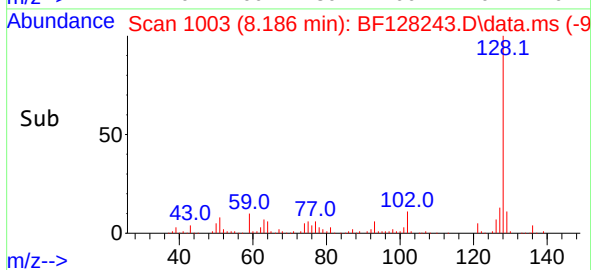
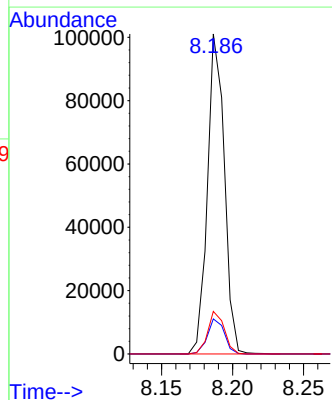
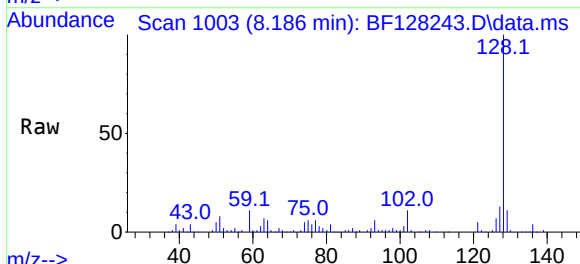
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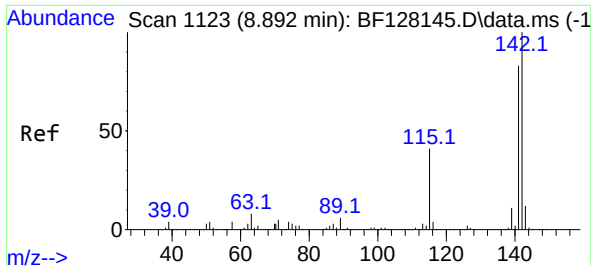
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#31
Naphthalene
Concen: 7.265 ng
RT: 8.186 min Scan# 1003
Delta R.T. -0.012 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Tgt Ion:128 Resp: 83698
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.3 10.6 16.0





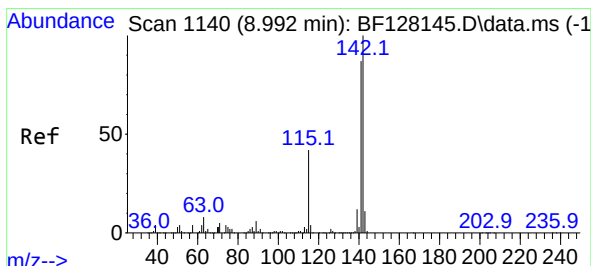
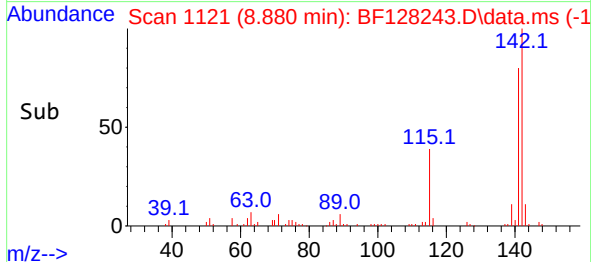
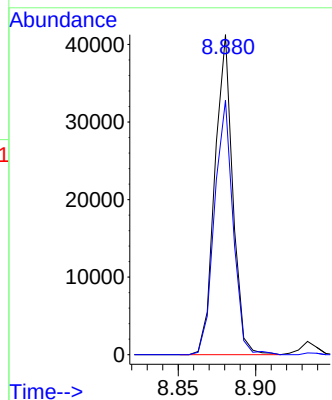
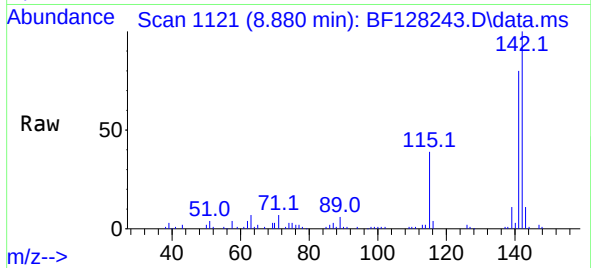
#37
2-Methylnaphthalene
Concen: 4.264 ng
RT: 8.880 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Instrument :
BNA_F
ClientSampleId :
SC-4

Tgt Ion:142 Resp: 3312
Ion Ratio Lower Upper
142 100
141 79.5 67.4 101.2

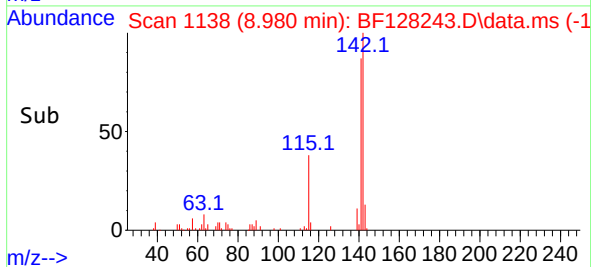
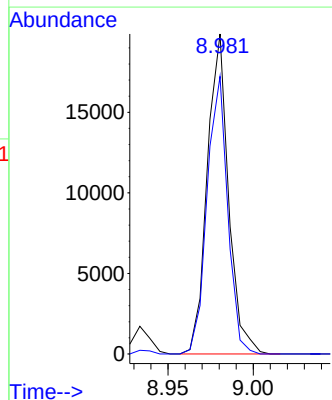
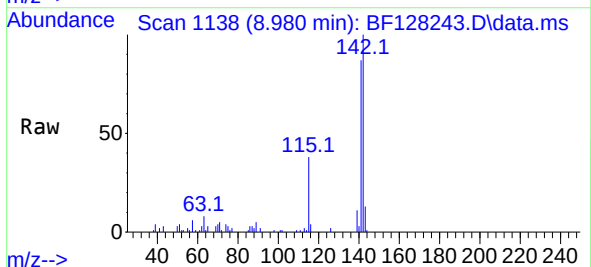
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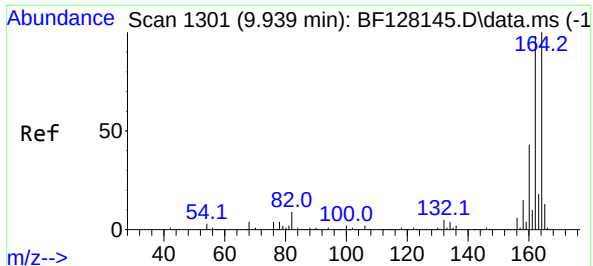
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#38
1-Methylnaphthalene
Concen: 2.314 ng
RT: 8.980 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Tgt Ion:142 Resp: 17259
Ion Ratio Lower Upper
142 100
141 86.7 70.1 105.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

Instrument :

BNA_F

ClientSampleId :

SC-4

Tgt Ion:164 Resp: 131374

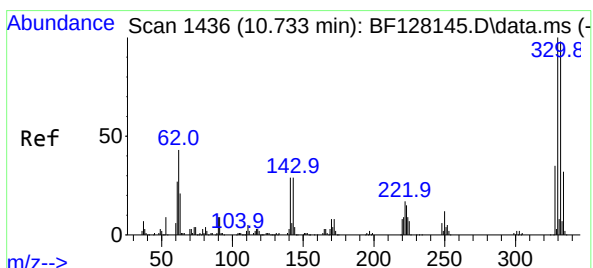
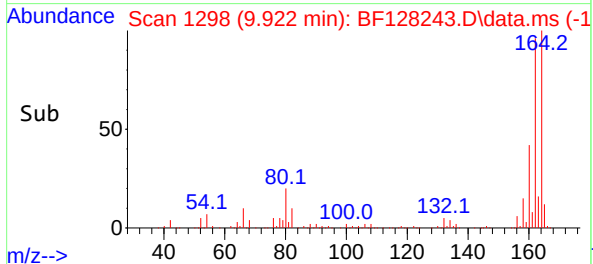
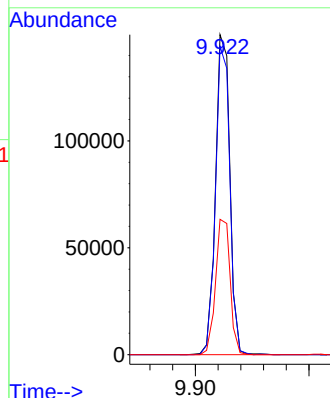
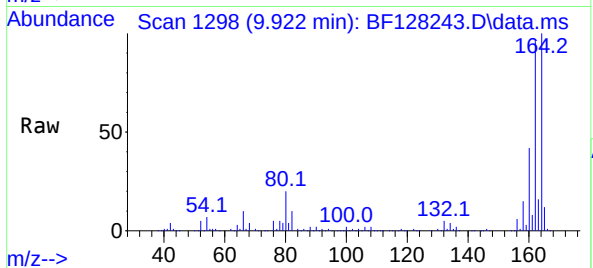
Ion	Ratio	Lower	Upper
164	100		
162	96.4	76.0	114.0
160	42.3	34.8	52.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/16/2022



#42

2,4,6-Tribromophenol

Concen: 3.545 ng

RT: 10.716 min Scan# 1433

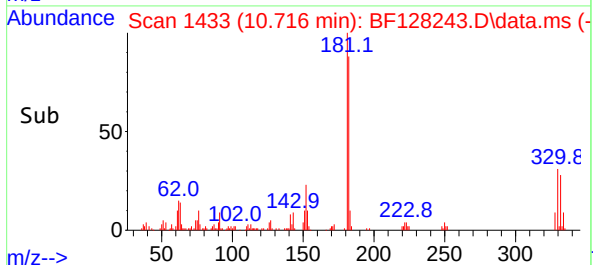
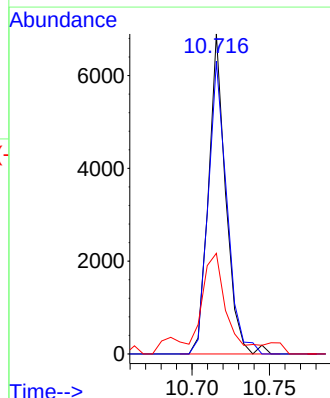
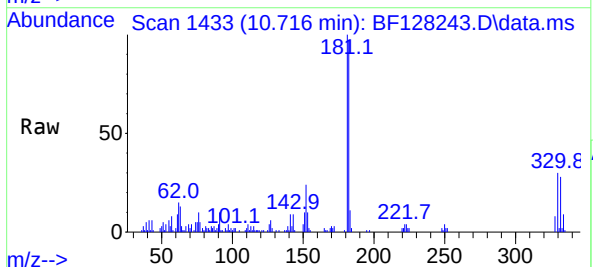
Delta R.T. -0.012 min

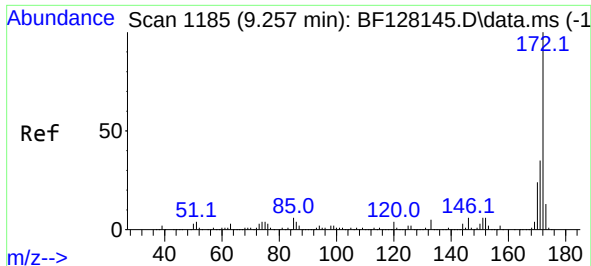
Lab File: BF128243.D

Acq: 13 May 2022 17:12

Tgt Ion:330 Resp: 5341

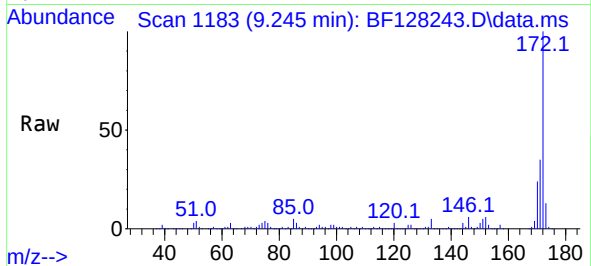
Ion	Ratio	Lower	Upper
330	100		
332	98.9	79.0	118.4
141	51.3	28.9	43.3





#45
2-Fluorobiphenyl
Concen: 67.157 ng
RT: 9.245 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

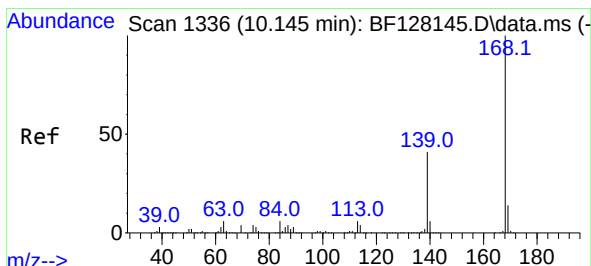
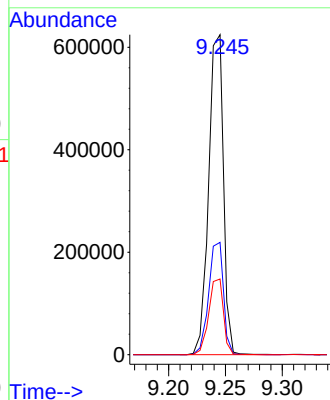
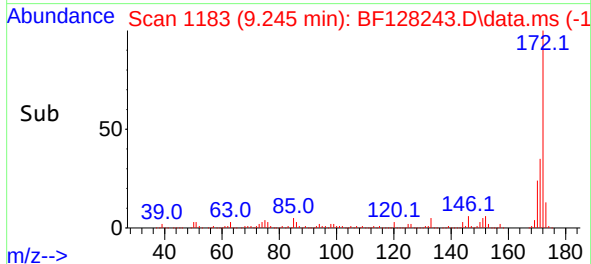
Instrument :
BNA_F
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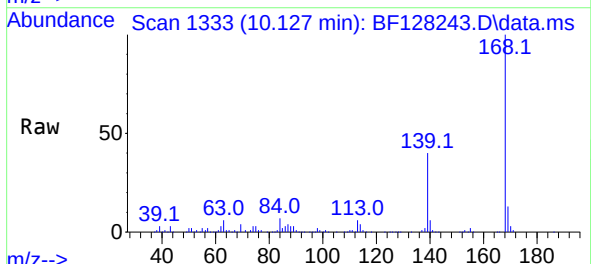
Tgt Ion:172 Resp: 563862
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.7 19.1 28.7

Manual Integrations
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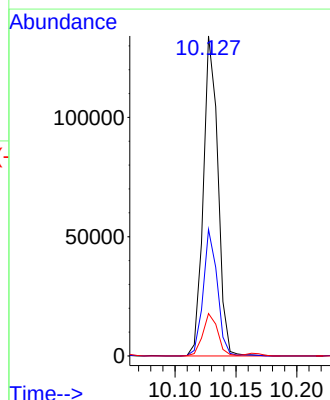
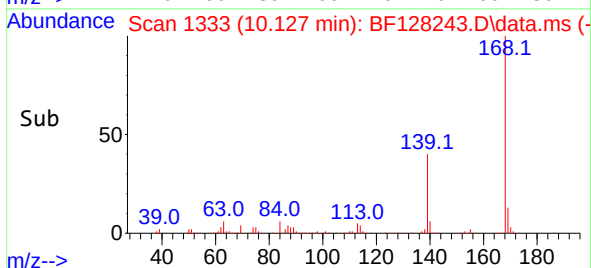
Reviewed By :Christian Giraldo 05/16/2022
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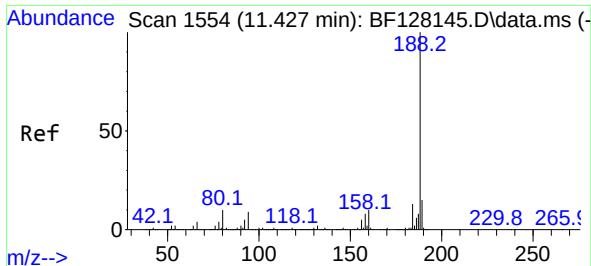


#55
Dibenzofuran
Concen: 10.632 ng
RT: 10.127 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12



Tgt Ion:168 Resp: 112218
Ion Ratio Lower Upper
168 100
139 39.5 31.7 47.5
169 13.3 10.9 16.3





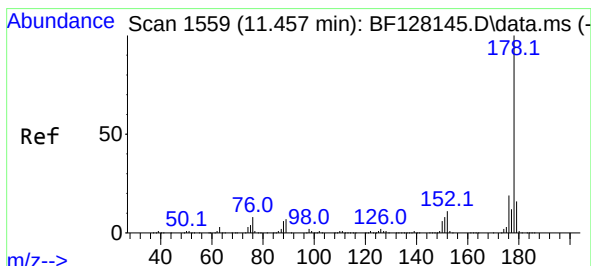
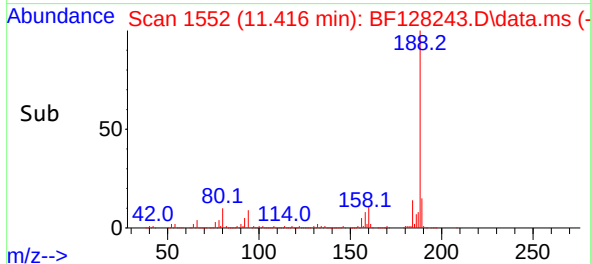
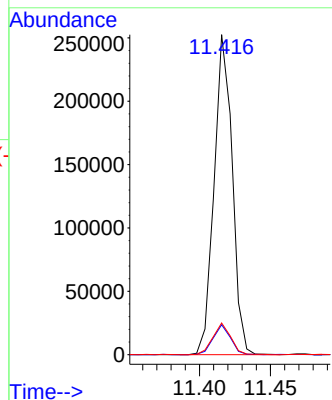
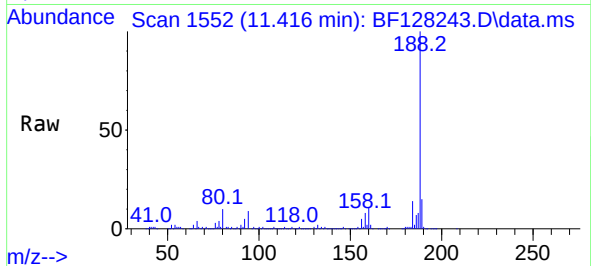
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Instrument :
BNA_F
ClientSampleId :
SC-4

Tgt Ion:188 Resp: 223560
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 9.9 8.9 13.3

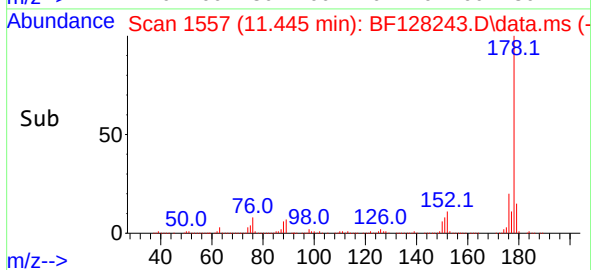
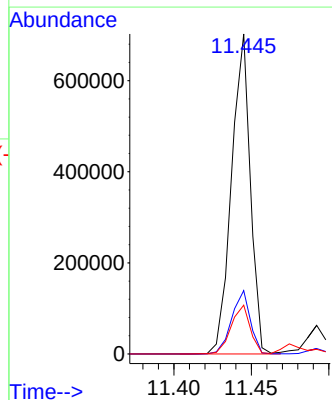
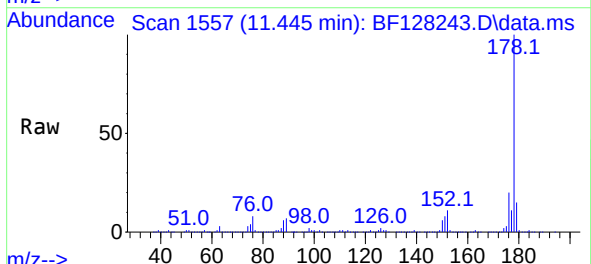
Manual Integrations
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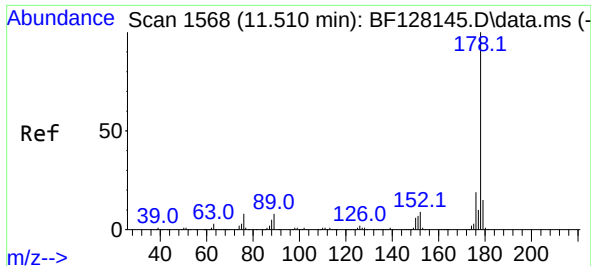
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#71
Phenanthrene
Concen: 53.228 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

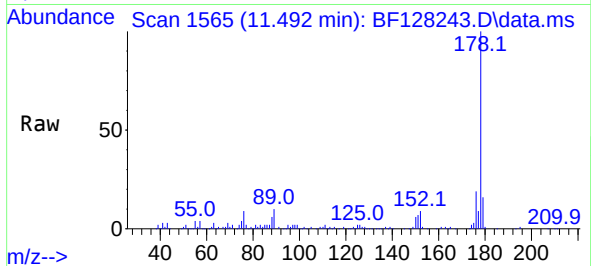
Tgt Ion:178 Resp: 592541
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.3 12.6 19.0





#72
 Anthracene
 Concen: 4.642 ng
 RT: 11.492 min Scan# 1565
 Delta R.T. -0.012 min
 Lab File: BF128243.D
 Acq: 13 May 2022 17:12

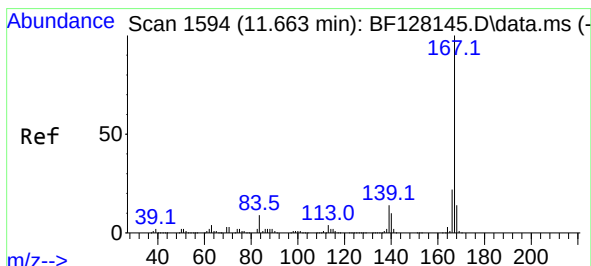
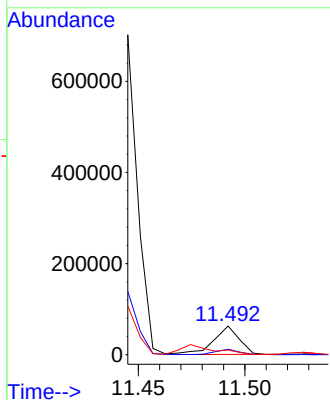
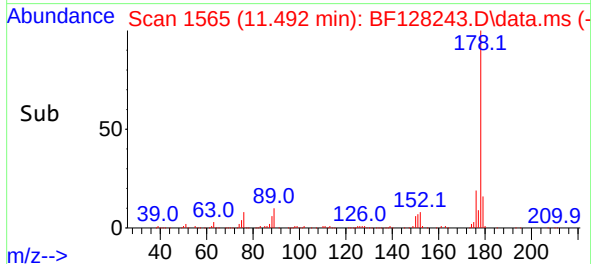
Instrument :
 BNA_F
 ClientSampleId :
 SC-4



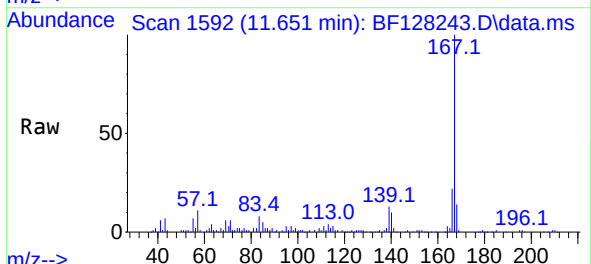
Tgt Ion:178 Resp: 51598
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.6
 179 16.4 12.4 18.6

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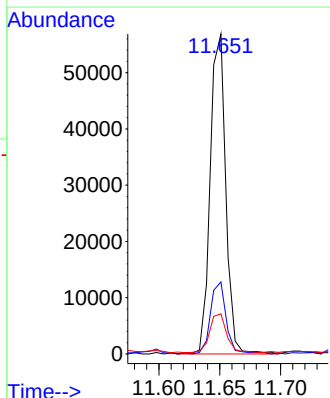
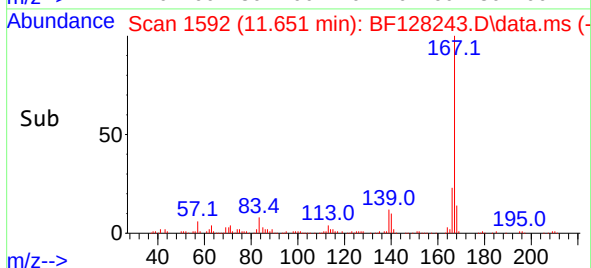
Reviewed By :Christian Giraldo 05/16/2022
 Supervised By :Jagrut Upadhyay 05/16/2022

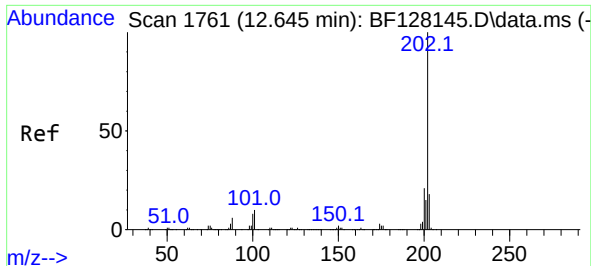


#73
 Carbazole
 Concen: 4.779 ng
 RT: 11.651 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF128243.D
 Acq: 13 May 2022 17:12



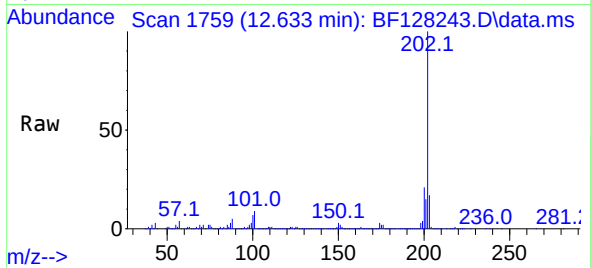
Tgt Ion:167 Resp: 50509
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.6 26.4
 139 12.6 10.7 16.1





#75
Fluoranthene
Concen: 25.714 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

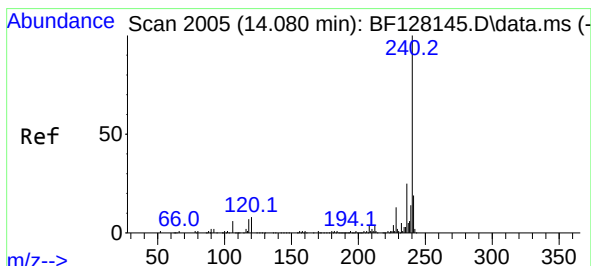
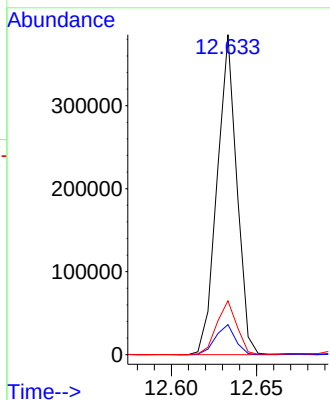
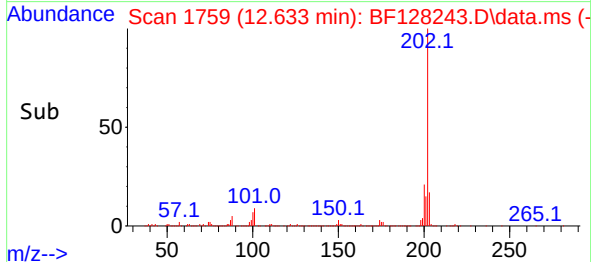
Instrument :
BNA_F
ClientSampleId :
SC-4



Tgt Ion:202 Resp: 310340
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.6
203 16.9 0.0 38.1

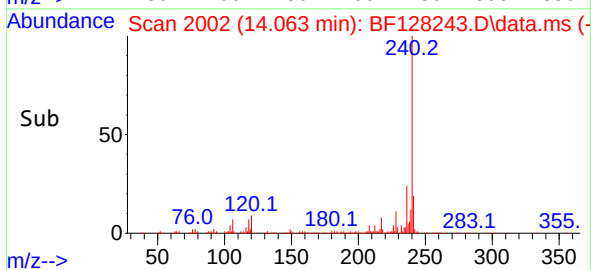
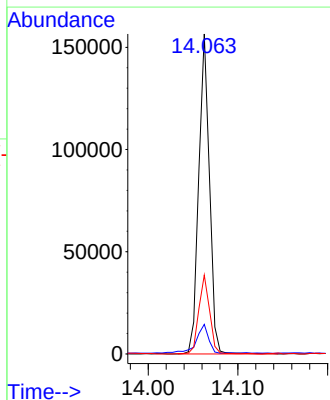
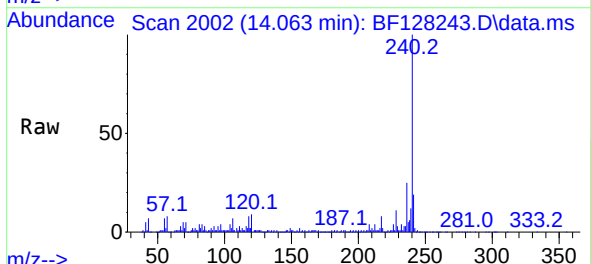
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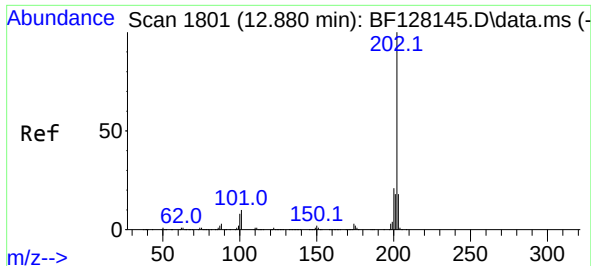
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

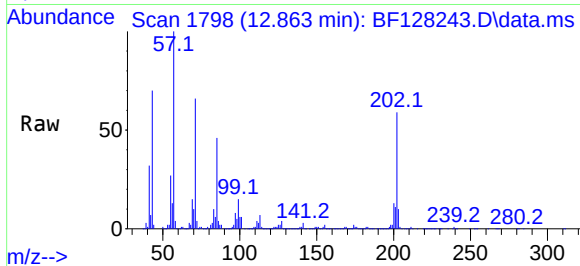
Tgt Ion:240 Resp: 129667
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 24.7 20.3 30.5





#78
Pyrene
Concen: 18.382 ng
RT: 12.863 min Scan# 1798
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

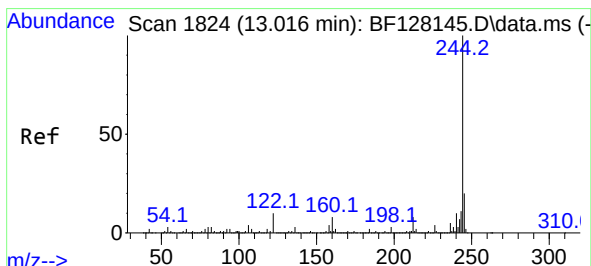
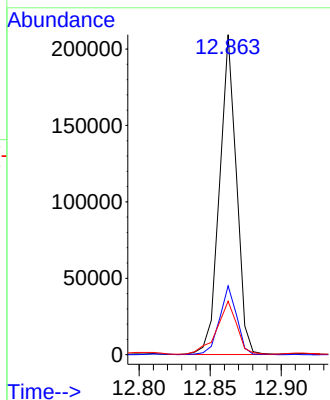
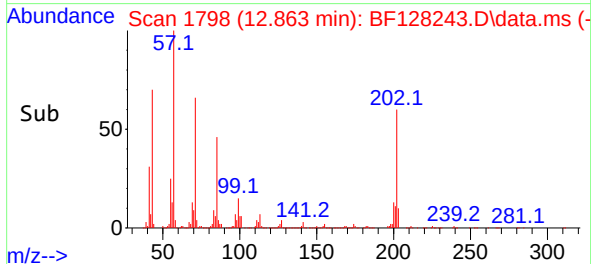
Instrument :
BNA_F
ClientSampleId :
SC-4



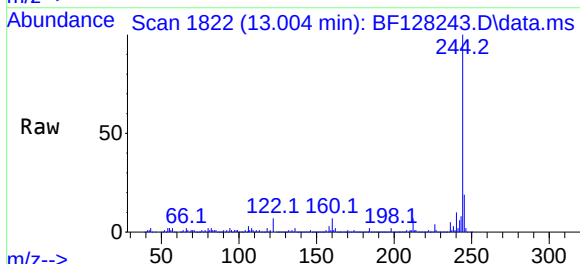
Tgt Ion:202 Resp: 172820
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 16.7 14.0 21.0

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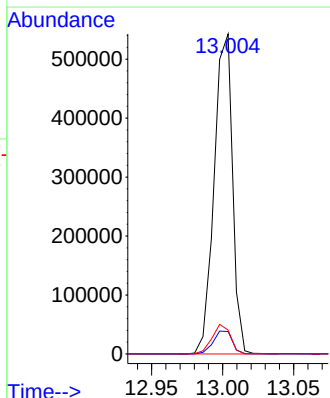
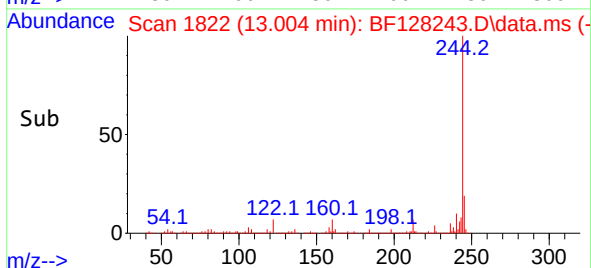
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

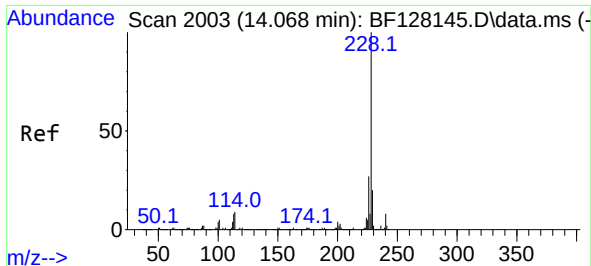


#79
Terphenyl-d14
Concen: 70.535 ng
RT: 13.004 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12



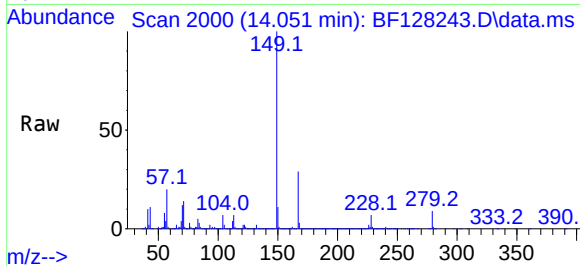
Tgt Ion:244 Resp: 487424
Ion Ratio Lower Upper
244 100
212 7.0 6.2 9.4
122 7.4 8.6 12.8#





#81
Benzo(a)anthracene
Concen: 9.681 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

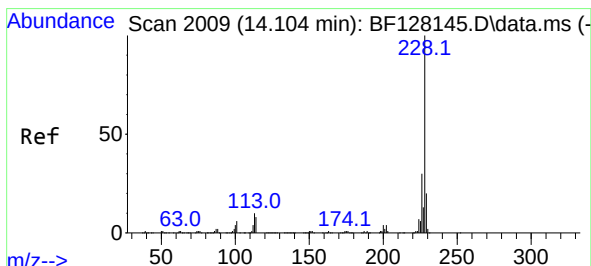
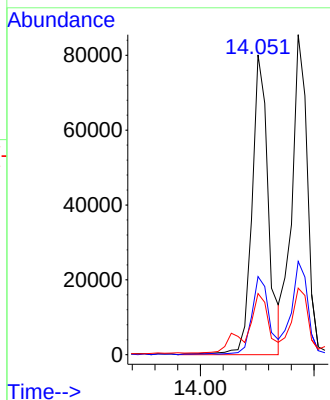
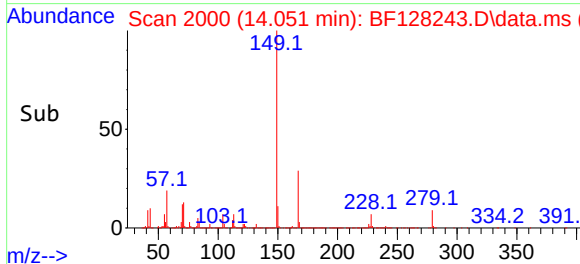
Instrument :
BNA_F
ClientSampleId :
SC-4



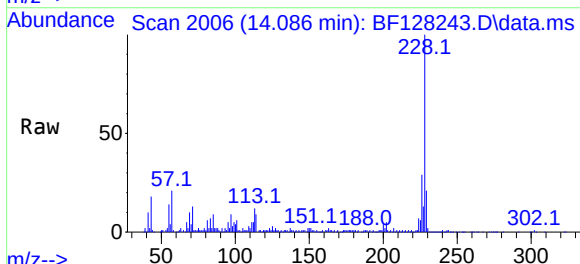
Tgt Ion:228 Resp: 80180
Ion Ratio Lower Upper
228 100
226 26.1 21.7 32.5
229 20.4 15.4 23.2

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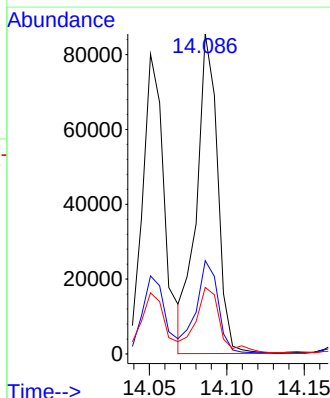
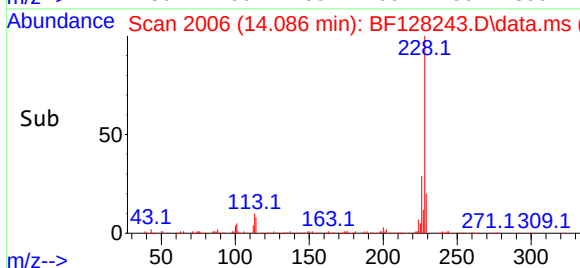
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

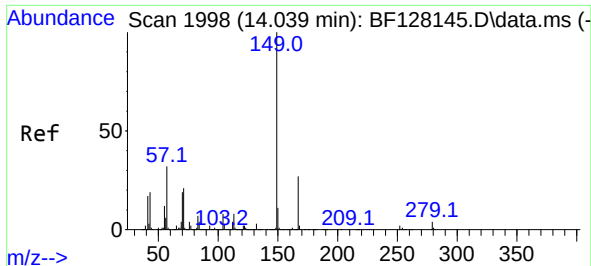


#83
Chrysene
Concen: 10.252 ng
RT: 14.086 min Scan# 2006
Delta R.T. -0.012 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12



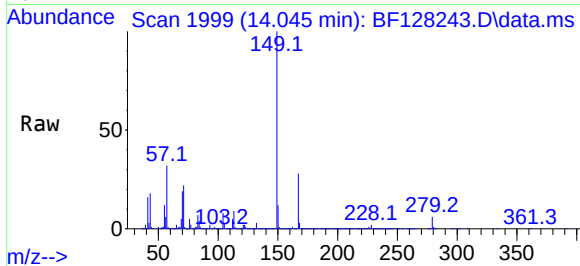
Tgt Ion:228 Resp: 81014
Ion Ratio Lower Upper
228 100
226 29.1 24.4 36.6
229 20.8 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 505.673 ng
RT: 14.045 min Scan# 1999
Delta R.T. 0.018 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

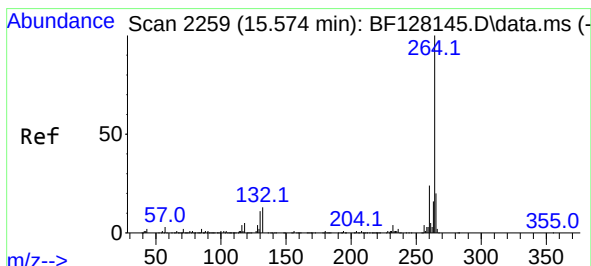
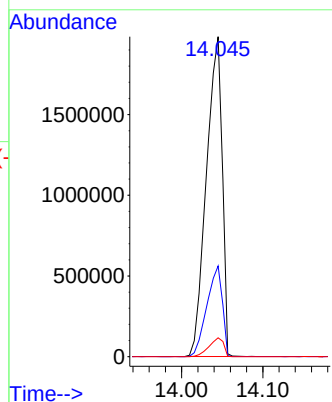
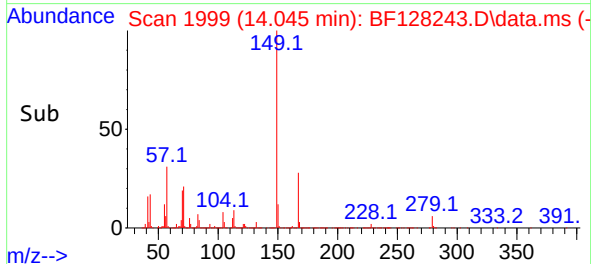
Instrument :
BNA_F
ClientSampleId :
SC-4



Tgt Ion:149 Resp: 2670608
Ion Ratio Lower Upper
149 100
167 28.3 22.0 33.0
279 5.9 3.4 5.0

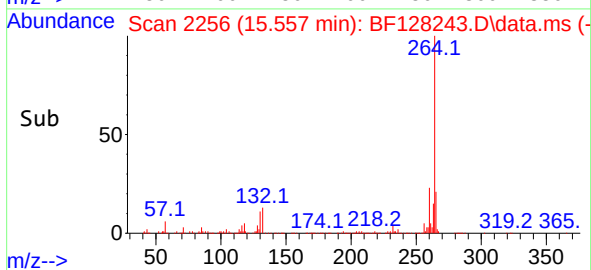
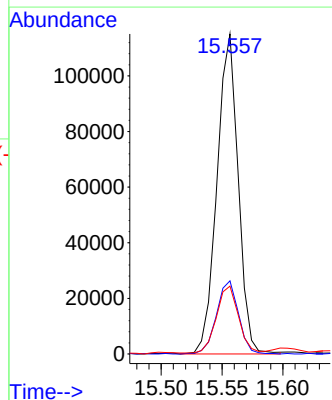
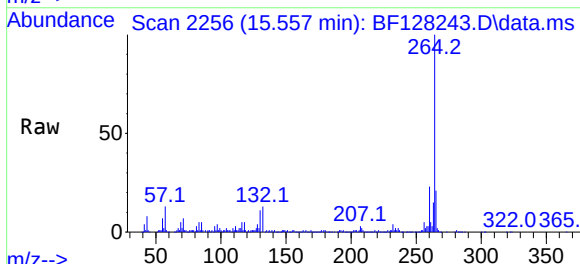
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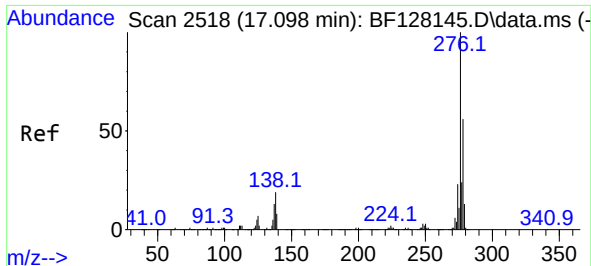
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

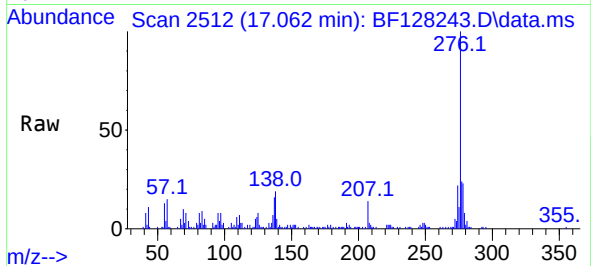
Tgt Ion:264 Resp: 139730
Ion Ratio Lower Upper
264 100
260 22.9 20.1 30.1
265 21.2 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.970 ng
RT: 17.062 min Scan# 2180
Delta R.T. -0.024 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

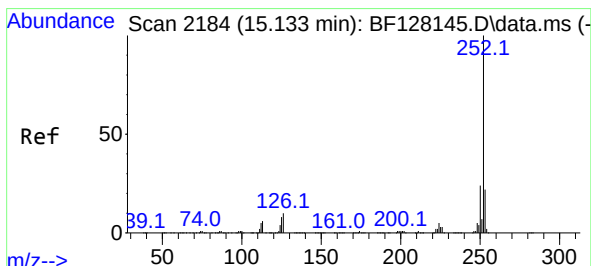
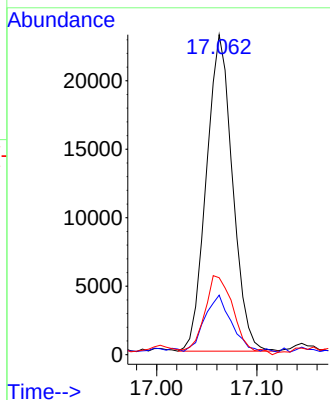
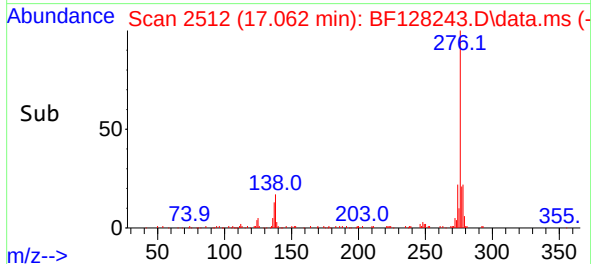
Instrument :
BNA_F
ClientSampleId :
SC-4



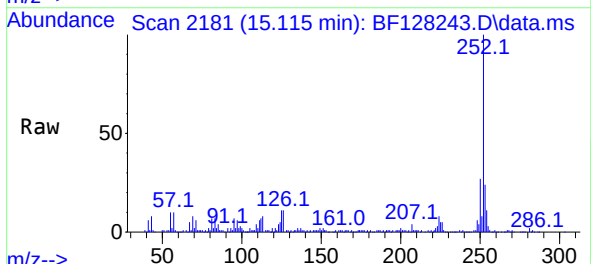
Tgt Ion:276 Resp: 42009
Ion Ratio Lower Upper
276 100
138 19.6 19.0 28.4
277 28.1 20.1 30.1

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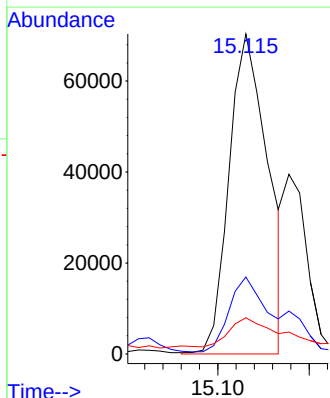
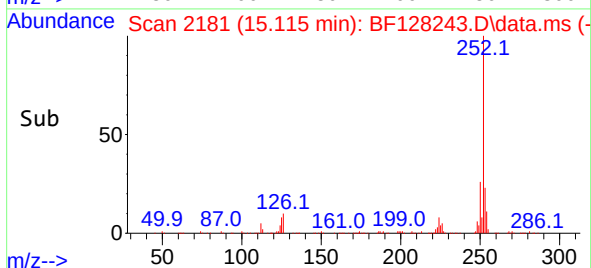
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

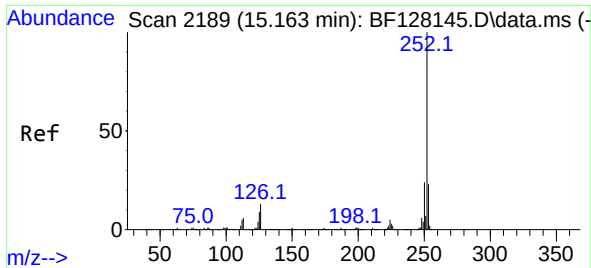


#88
Benzo(b)fluoranthene
Concen: 11.970 ng m
RT: 15.115 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12



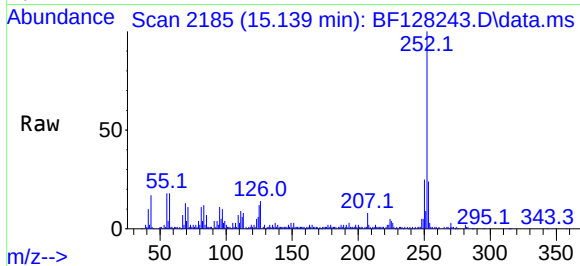
Tgt Ion:252 Resp: 103683
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 11.3 7.4 11.2#





#89
Benzo(k)fluoranthene
Concen: 4.004 ng m
RT: 15.139 min Scan# 2185
Delta R.T. -0.012 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

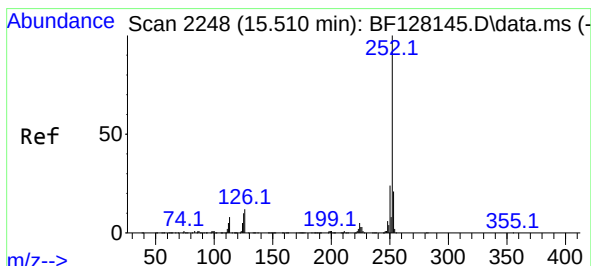
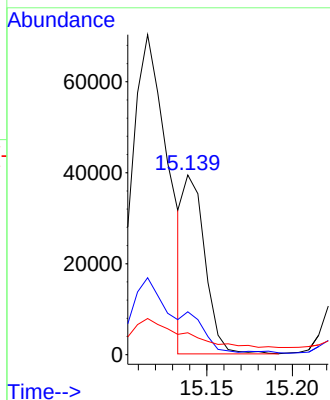
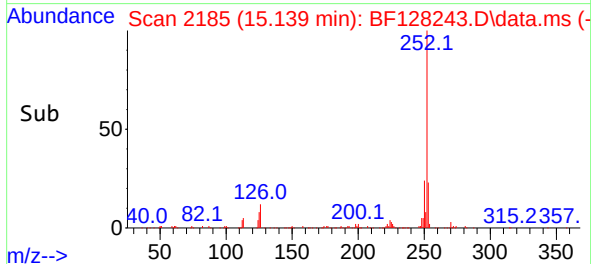
Instrument :
BNA_F
ClientSampleId :
SC-4



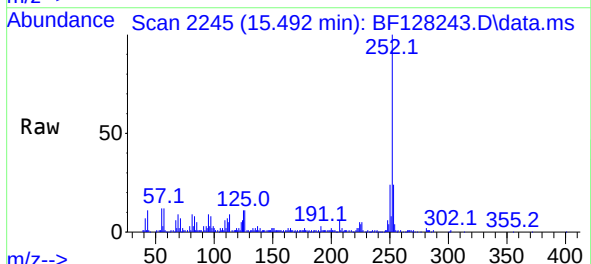
Tgt Ion:252 Resp: 3423
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.4
125 12.2 6.8 10.2

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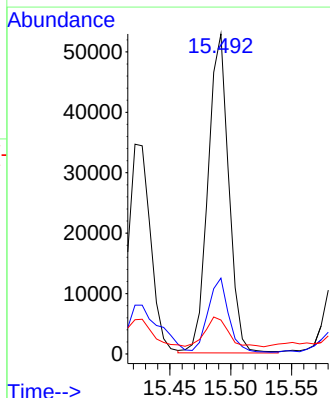
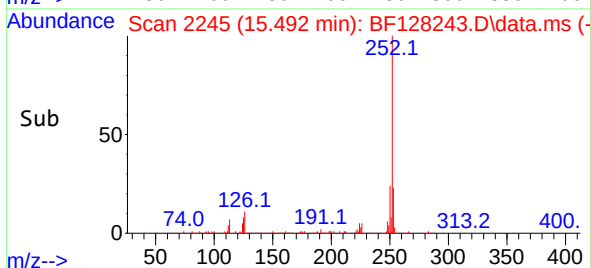
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

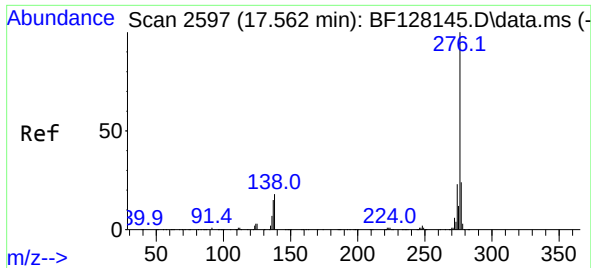


#90
Benzo(a)pyrene
Concen: 8.973 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12



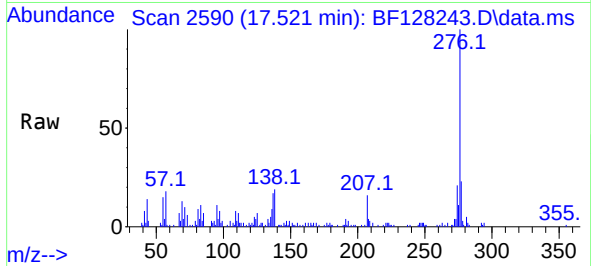
Tgt Ion:252 Resp: 62746
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 10.6 9.2 13.8





#92
Benzo(g,h,i)perylene
Concen: 5.131 ng
RT: 17.521 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Instrument :
BNA_F
ClientSampleId :
SC-4



Tgt Ion: 276 Resp: 35549
Ion Ratio Lower Upper
276 100
277 23.1 18.8 28.2
138 19.5 16.2 24.2

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Reviewed By : Christian Giraldo 05/16/2022
Supervised By : Jagrut Upadhyay 05/16/2022

