

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
 Data File : BF128245.D
 Acq On : 13 May 2022 18:11
 Operator : CG\JU
 Sample : N2823-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-13

Manual Integrations
 APPROVED

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

Quant Time: May 14 00:56:38 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	6.886	152	60909	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	232664	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	129283	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	205333	20.000	ng	0.00
76) Chrysene-d12	14.062	240	136003	20.000	ng	0.00
86) Perylene-d12	15.556	264	127581	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	380986	99.713	ng	0.00
7) Phenol-d6	6.522	99	527456	104.372	ng	0.00
23) Nitrobenzene-d5	7.451	82	362589	70.124	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	125106	84.376	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	604081	73.111	ng	0.00
79) Terphenyl-d14	13.004	244	497549	68.646	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.186	128	34186	2.975	ng	99
55) Dibenzofuran	10.127	168	104667	10.077	ng	98
71) Phenanthrene	11.480	178	5498457	537.783	ng	98
73) Carbazole	11.651	167	68023	7.008	ng	100
74) Di-n-butylphthalate	11.968	149	23226	2.078	ng	# 95
75) Fluoranthene	12.651	202	1721215	155.278	ng	98
78) Pyrene	12.868	202	517983	52.526	ng	100
81) Benzo(a)anthracene	14.051	228	99507	11.455	ng	97
83) Chrysene	14.092	228	126520	15.264	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	40820	7.369	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	47635	6.172	ng	# 94
88) Benzo(b)fluoranthene	15.121	252	212263m	26.839	ng	
89) Benzo(k)fluoranthene	15.145	252	46884m	6.005	ng	
90) Benzo(a)pyrene	15.492	252	104947	16.437	ng	98
91) Dibenzo(a,h)anthracene	17.074	278	17157	2.746	ng	# 85
92) Benzo(g,h,i)perylene	17.527	276	41384	6.542	ng	96

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

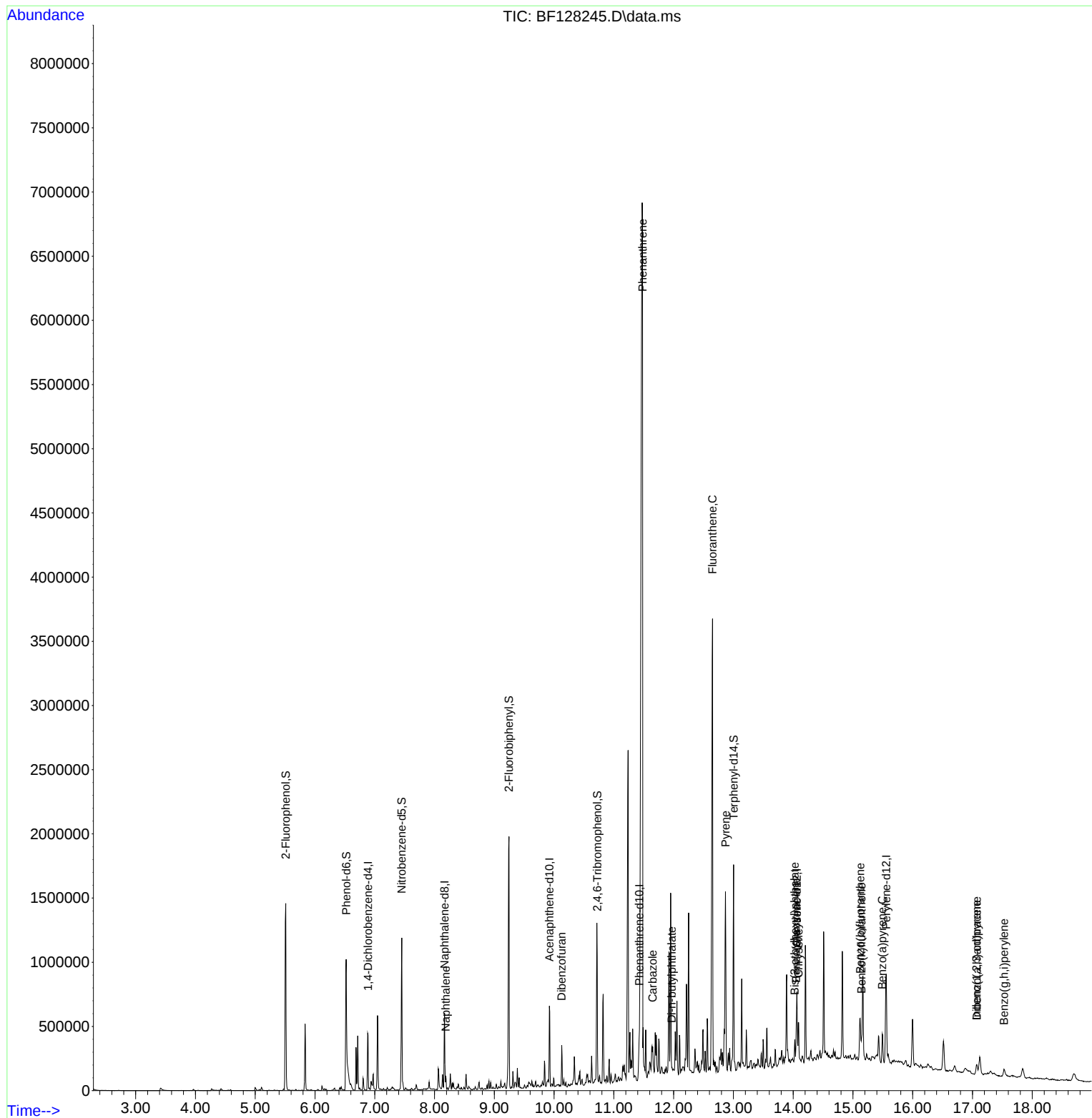
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
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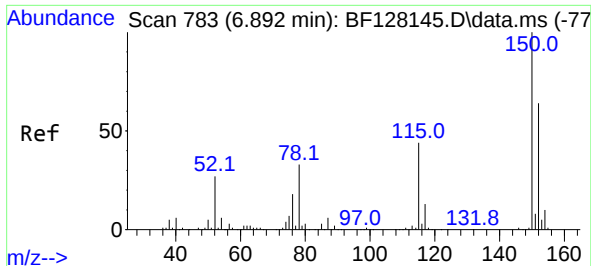
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Quant Time: May 14 00:56:38 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 71
Delta R.T. -0.001 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Instrument :

BNA_F

ClientSampleId :

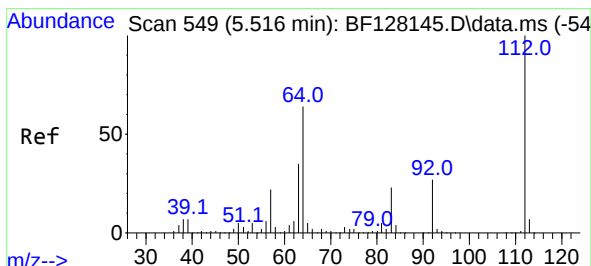
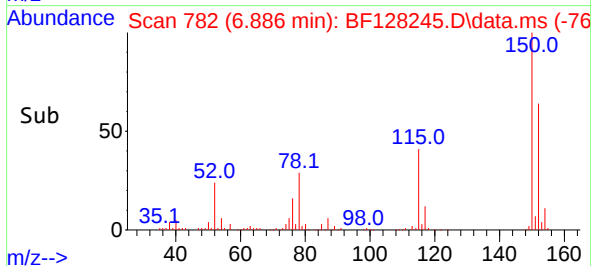
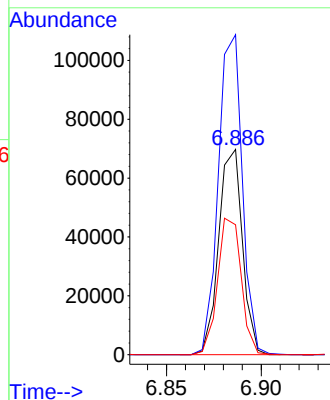
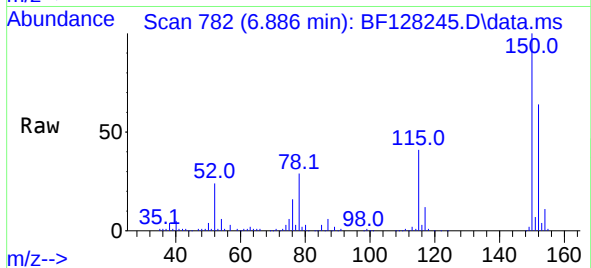
SC-13

Tgt Ion:152 Resp: 60909
Ion Ratio Lower Upper
152 100
150 155.9 125.3 187.9
115 63.3 48.8 73.2

Manual Integrations

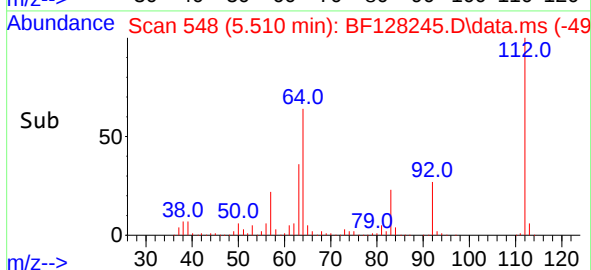
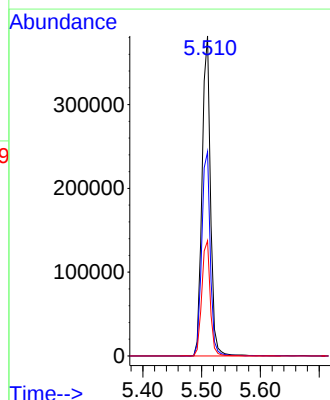
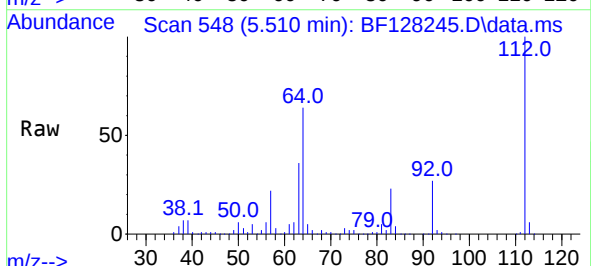
APPROVED

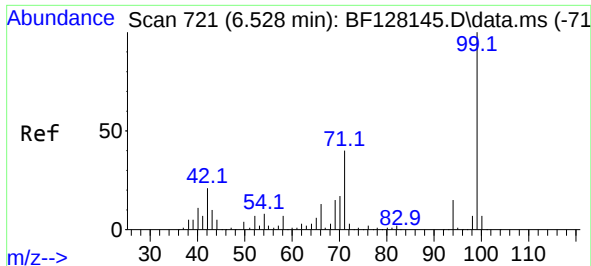
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#5
2-Fluorophenol
Concen: 99.713 ng
RT: 5.510 min Scan# 548
Delta R.T. -0.000 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

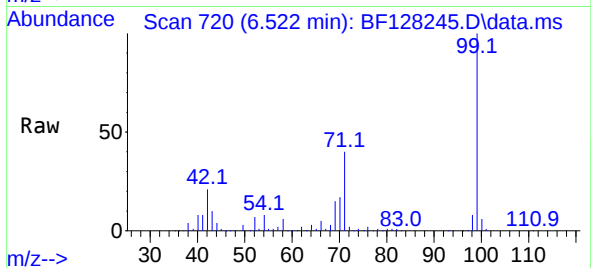
Tgt Ion:112 Resp: 380986
Ion Ratio Lower Upper
112 100
64 63.8 49.5 74.3
63 36.0 26.3 39.5





#7
Phenol-d6
Concen: 104.372 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

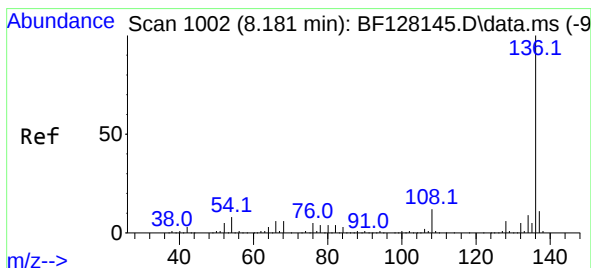
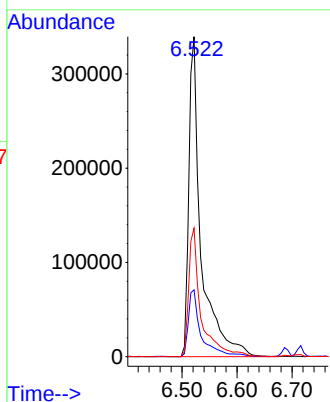
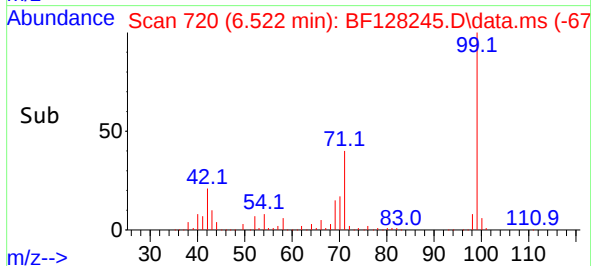
Instrument :
BNA_F
ClientSampleId :
SC-13



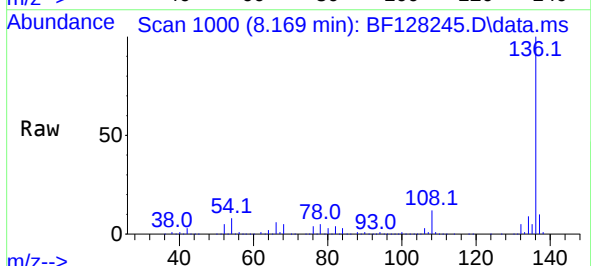
Tgt Ion: 99 Resp: 527450
Ion Ratio Lower Upper
99 100
42 20.9 16.6 24.8
71 40.2 30.0 45.0

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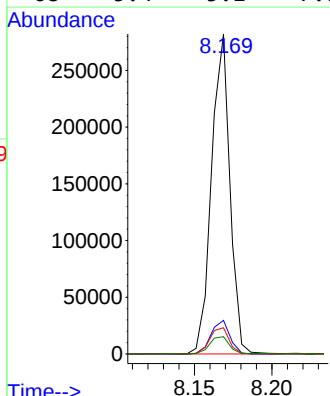
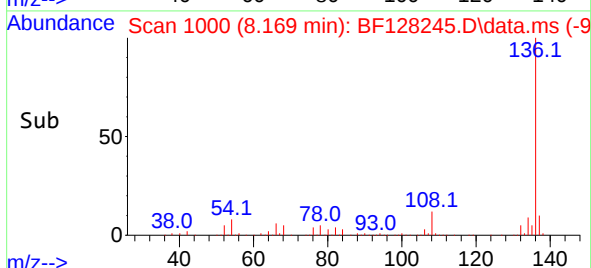
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

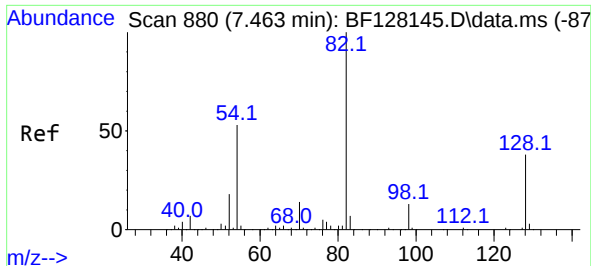


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11



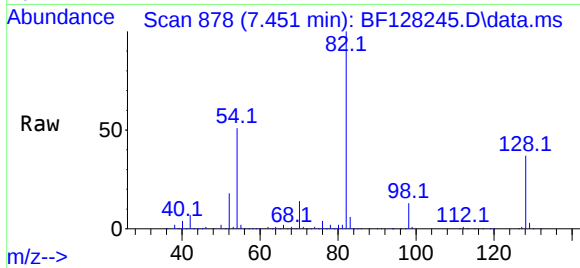
Tgt Ion:136 Resp: 232664
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.2 6.8 10.2
68 5.4 5.1 7.7





#23
Nitrobenzene-d5
Concen: 70.124 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

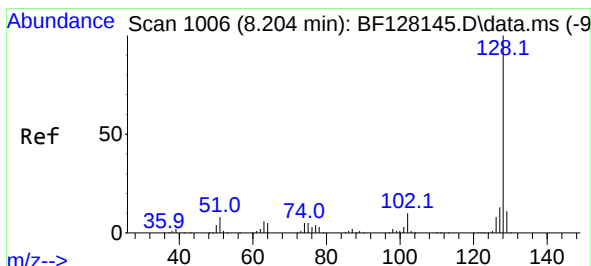
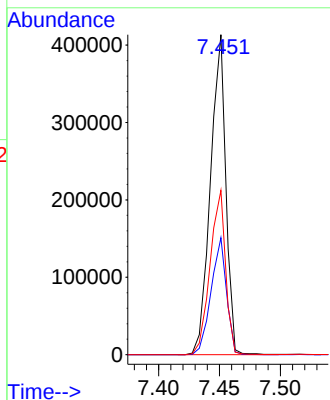
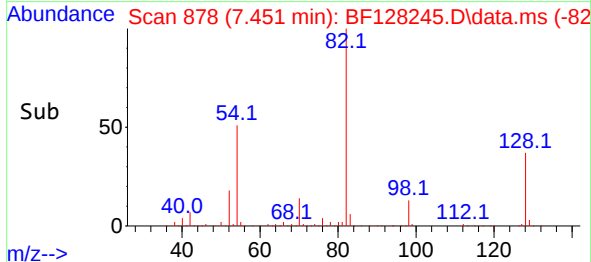
Instrument :
BNA_F
Client SampleId :
SC-13



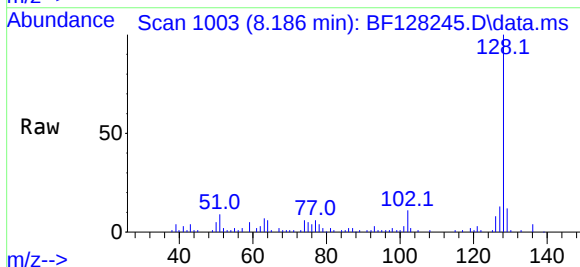
Tgt Ion: 82 Resp: 362589
Ion Ratio Lower Upper
82 100
128 36.5 30.0 45.0
54 51.3 41.3 61.9

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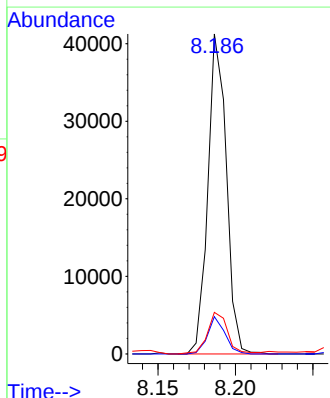
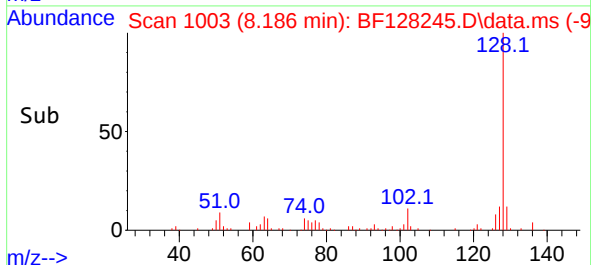
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

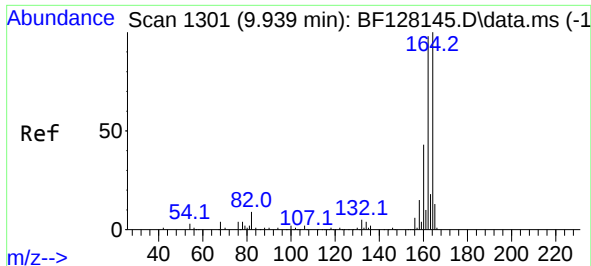


#31
Naphthalene
Concen: 2.975 ng
RT: 8.186 min Scan# 1003
Delta R.T. -0.012 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11



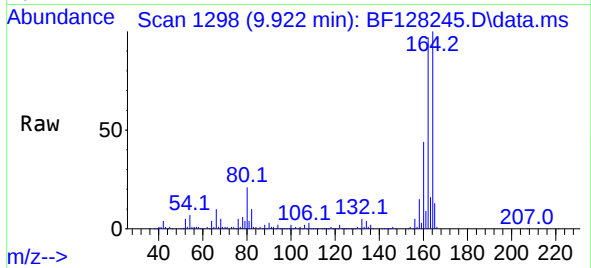
Tgt Ion:128 Resp: 34186
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.4
127 13.0 10.6 16.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

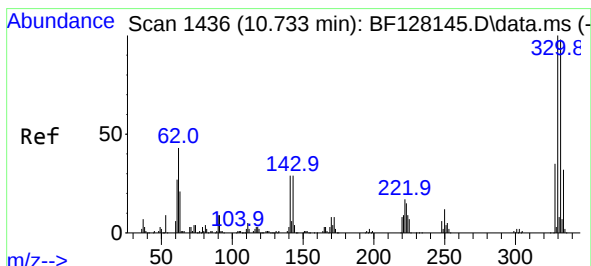
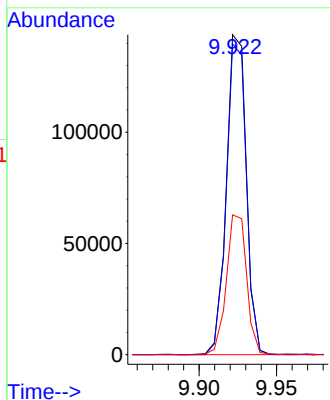
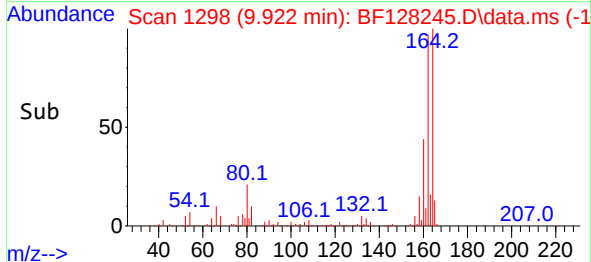
Instrument :
BNA_F
ClientSampleId :
SC-13



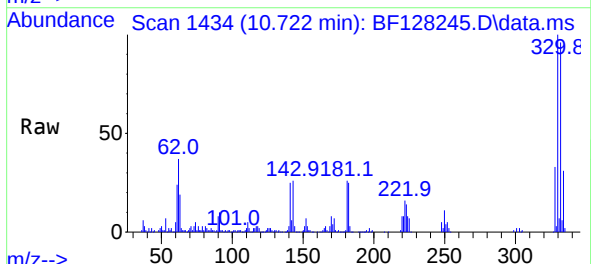
Tgt Ion:164 Resp: 12928
Ion Ratio Lower Upper
164 100
162 97.1 76.0 114.0
160 43.7 34.8 52.2

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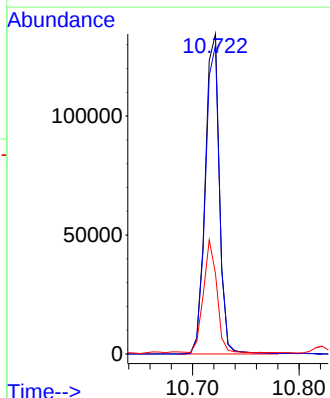
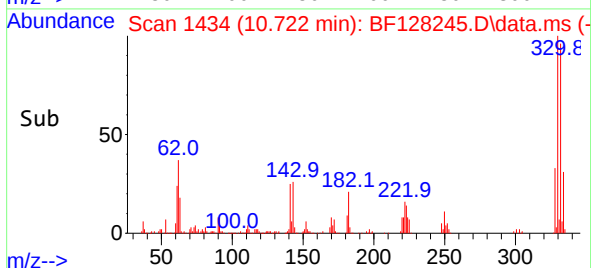
Reviewed By :Christian Giraldo 05/16/2022
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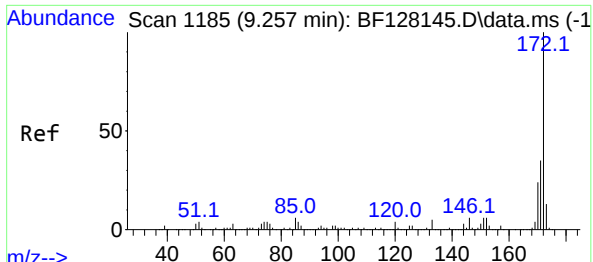


#42
2,4,6-Tribromophenol
Concen: 84.376 ng
RT: 10.722 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11



Tgt Ion:330 Resp: 125106
Ion Ratio Lower Upper
330 100
332 96.4 79.0 118.4
141 33.4 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 73.111 ng

RT: 9.245 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF128245.D

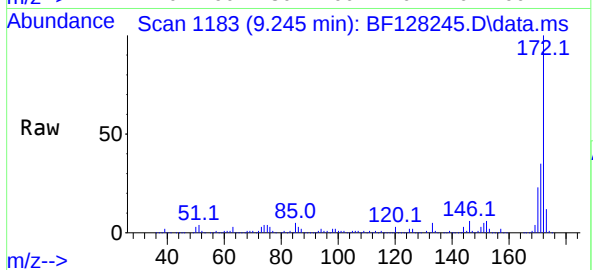
Acq: 13 May 2022 18:11

Instrument :

BNA_F

ClientSampleId :

SC-13



Tgt Ion:172 Resp: 60408

Ion Ratio Lower Upper

172 100

171 34.5 28.6 42.8

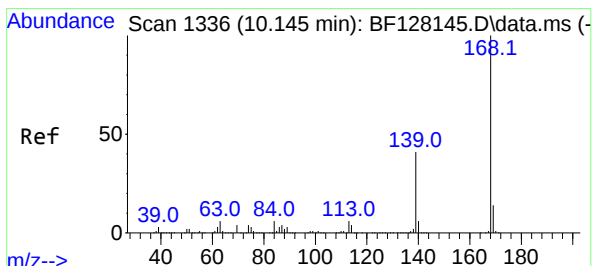
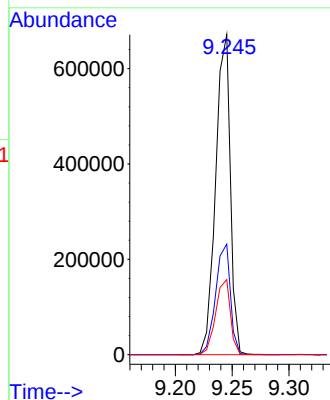
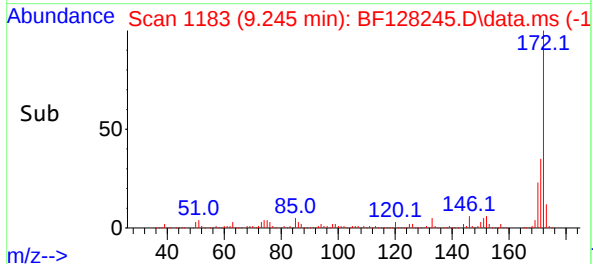
170 23.5 19.1 28.7

Manual Integrations

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#55

Dibenzofuran

Concen: 10.077 ng

RT: 10.127 min Scan# 1333

Delta R.T. -0.012 min

Lab File: BF128245.D

Acq: 13 May 2022 18:11

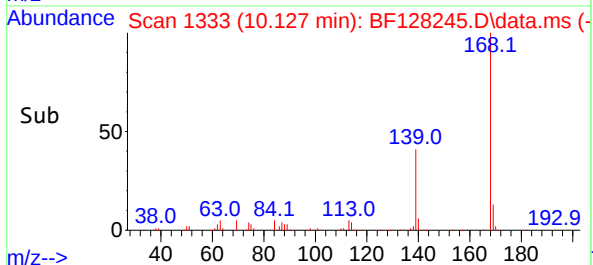
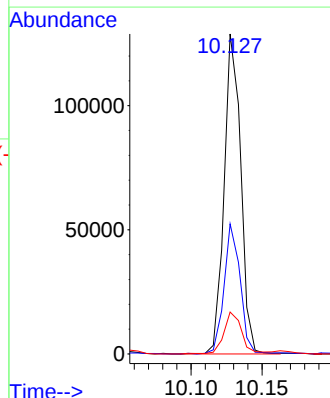
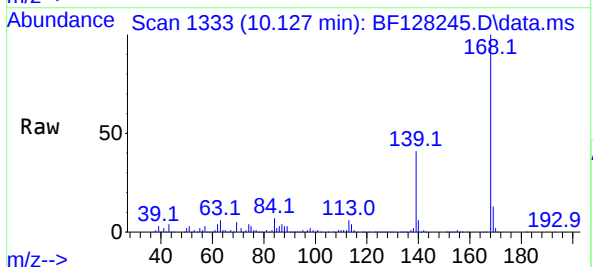
Tgt Ion:168 Resp: 104667

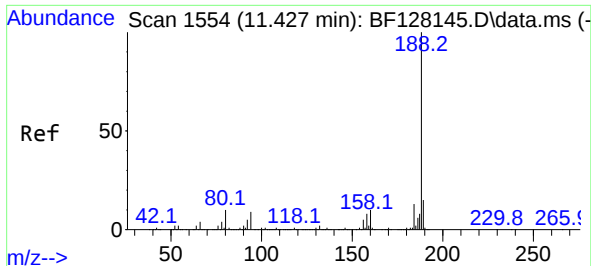
Ion Ratio Lower Upper

168 100

139 40.6 31.7 47.5

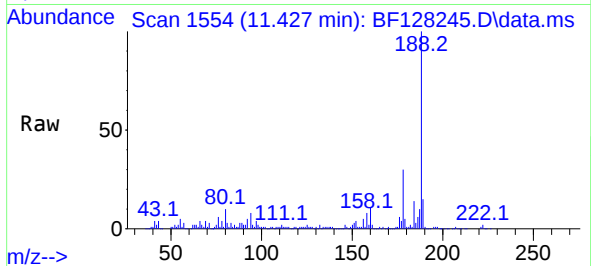
169 13.1 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

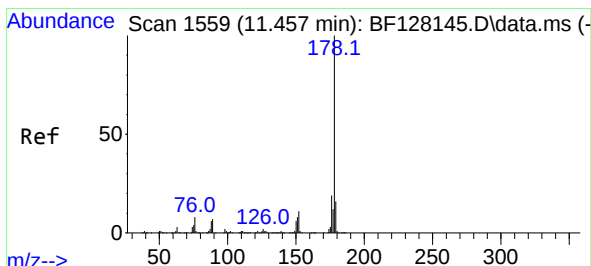
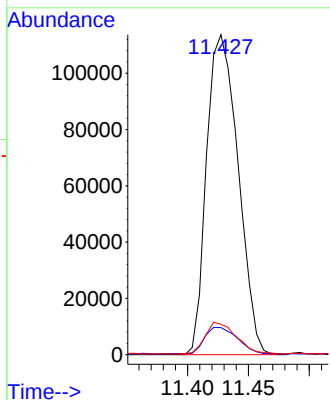
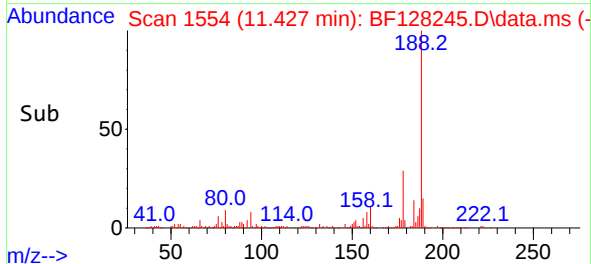
Instrument :
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ClientSampleId :
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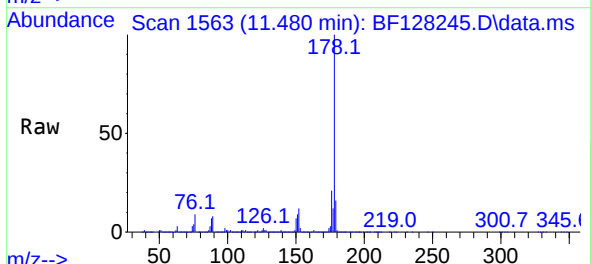
Tgt Ion:188 Resp: 205333
Ion Ratio Lower Upper
188 100
94 8.4 8.0 12.0
80 9.5 8.9 13.3

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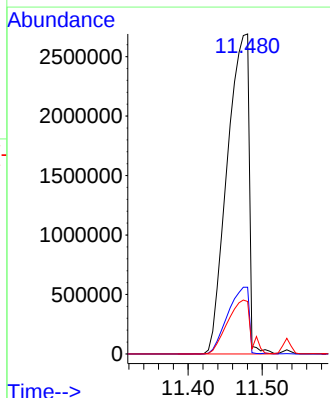
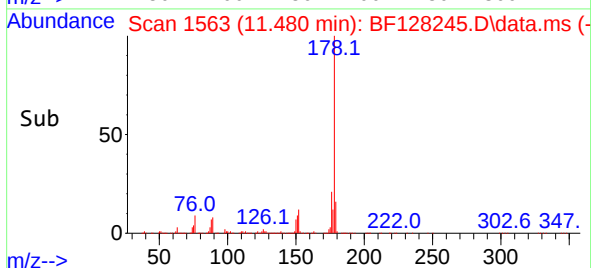
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

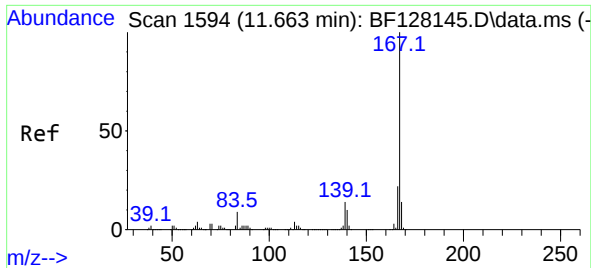


#71
Phenanthrene
Concen: 537.783 ng
RT: 11.480 min Scan# 1563
Delta R.T. 0.029 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11



Tgt Ion:178 Resp: 5498457
Ion Ratio Lower Upper
178 100
176 20.9 15.7 23.5
179 16.4 12.6 19.0





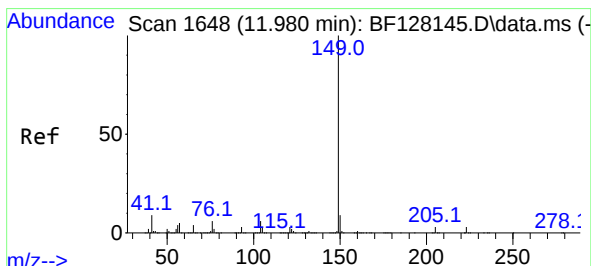
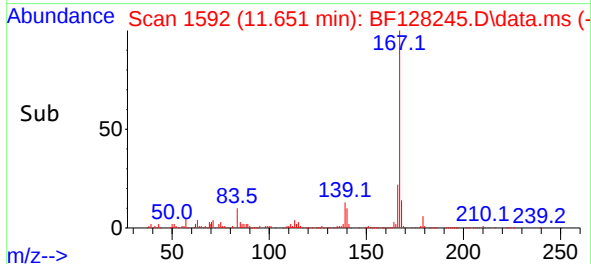
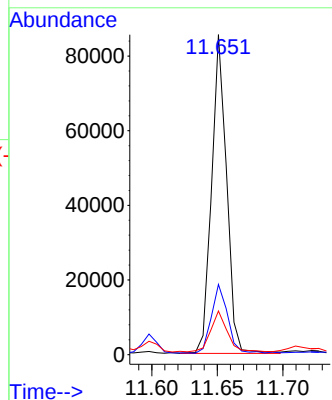
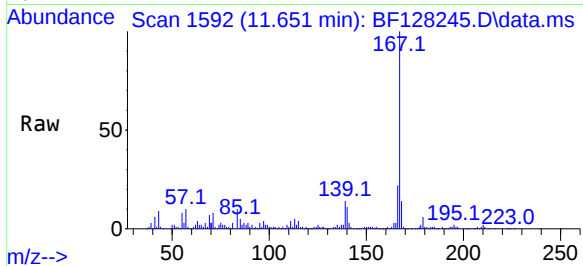
#73
Carbazole
Concen: 7.008 ng
RT: 11.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Instrument :
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ClientSampleId :
SC-13

Tgt Ion:167 Resp: 6802
Ion Ratio Lower Upper
167 100
166 21.9 17.6 26.4
139 13.7 10.7 16.1

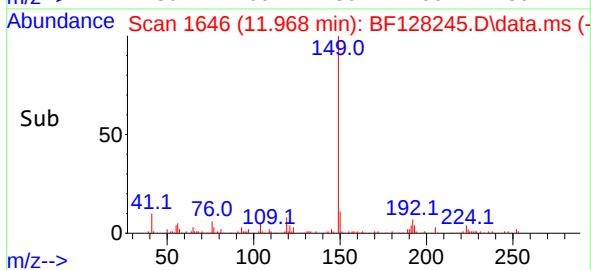
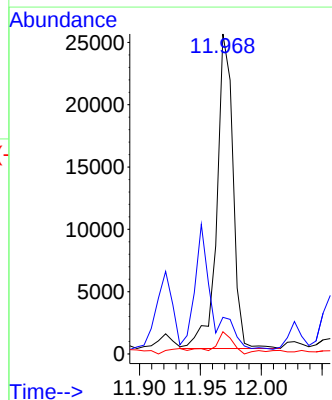
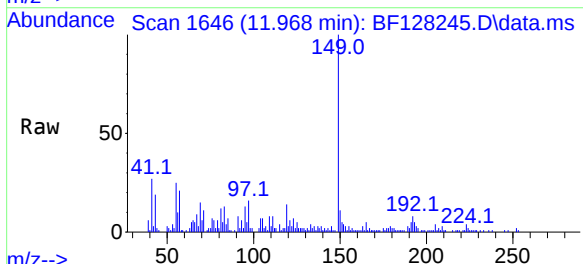
Manual Integrations
APPROVED

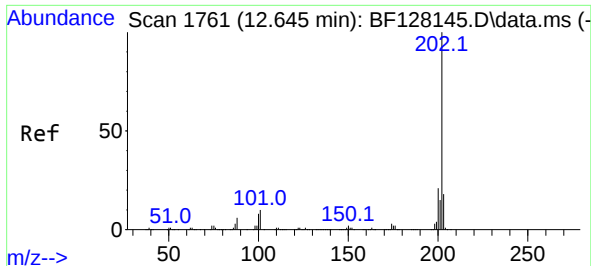
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#74
Di-n-butylphthalate
Concen: 2.078 ng
RT: 11.968 min Scan# 1646
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

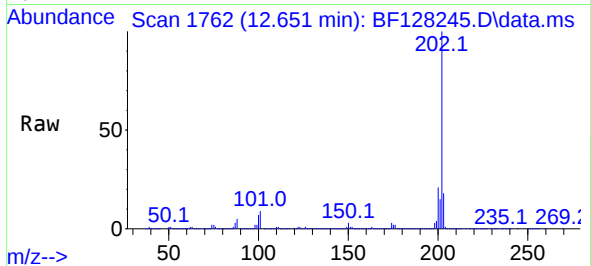
Tgt Ion:149 Resp: 23226
Ion Ratio Lower Upper
149 100
150 11.5 7.5 11.3#
104 7.0 4.3 6.5#





#75
Fluoranthene
Concen: 155.278 ng
RT: 12.651 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

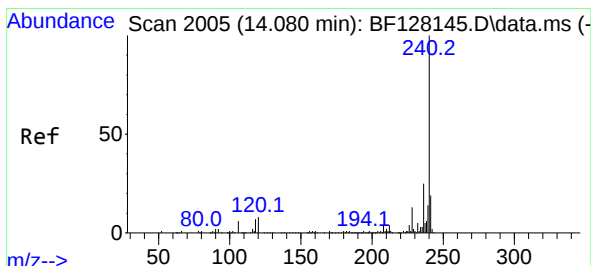
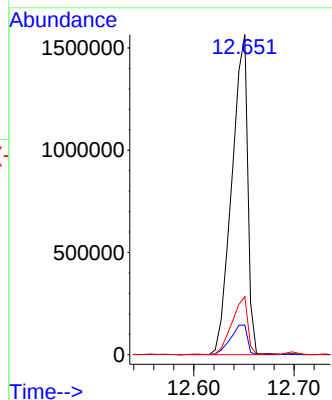
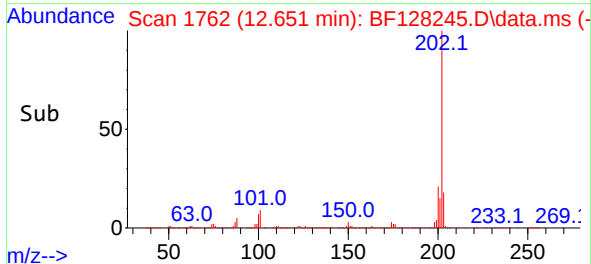
Instrument :
BNA_F
ClientSampleId :
SC-13



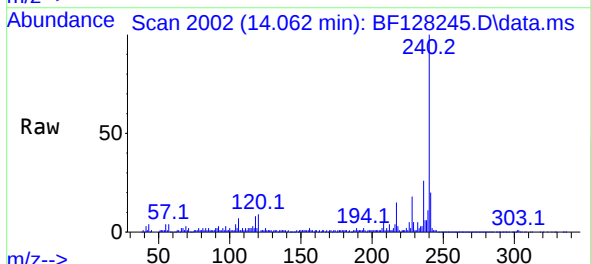
Tgt Ion:202 Resp: 1721215
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.6
203 18.1 0.0 38.1

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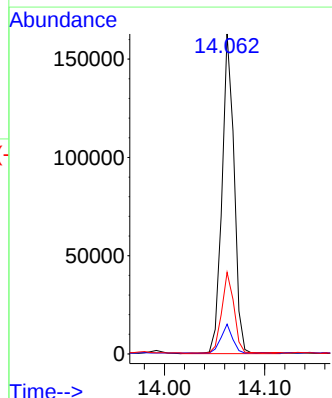
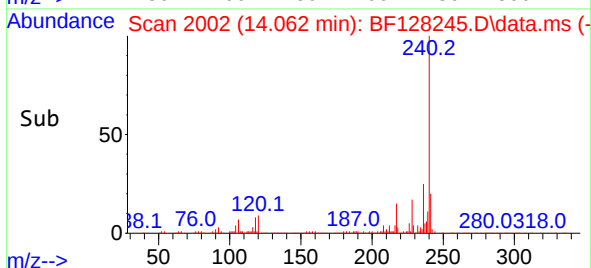
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

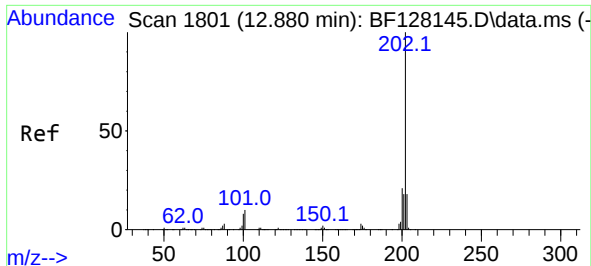


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11



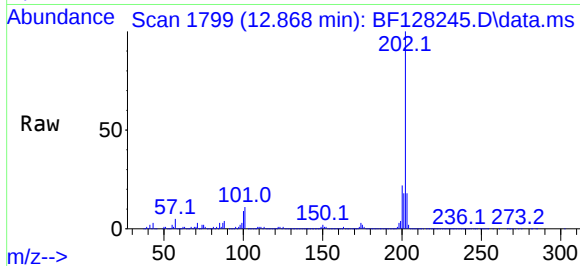
Tgt Ion:240 Resp: 136003
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 25.5 20.3 30.5





#78
Pyrene
Concen: 52.526 ng
RT: 12.868 min Scan# 1799
Delta R.T. -0.000 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

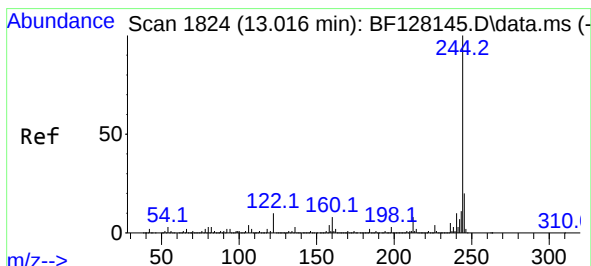
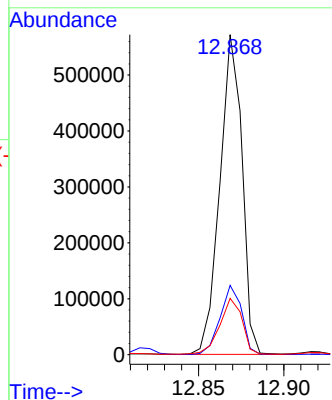
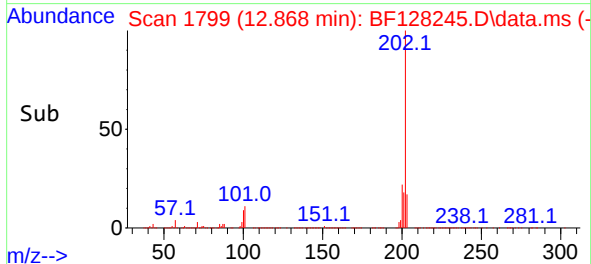
Instrument :
BNA_F
ClientSampleId :
SC-13



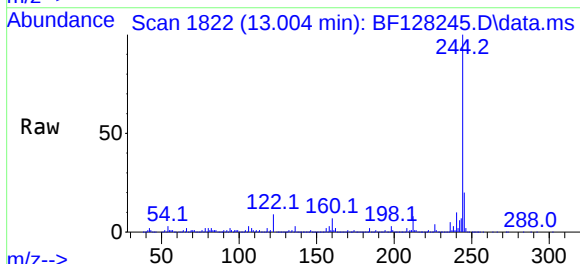
Tgt Ion:202 Resp: 51798
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.6 14.0 21.0

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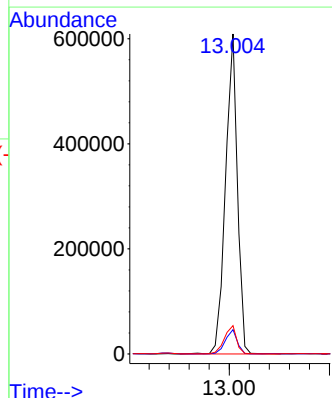
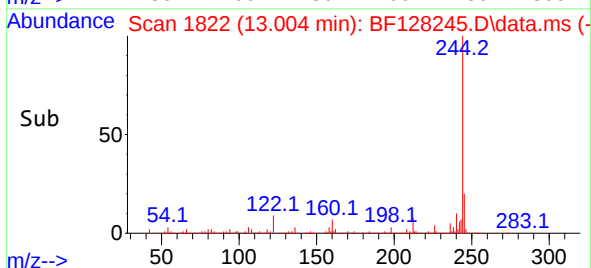
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

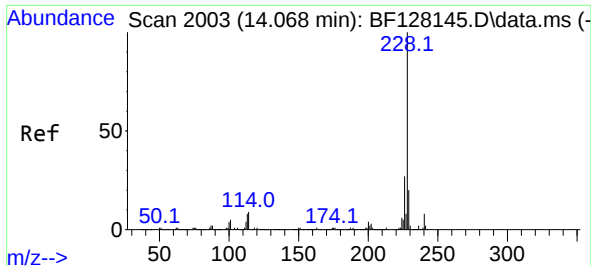


#79
Terphenyl-d14
Concen: 68.646 ng
RT: 13.004 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11



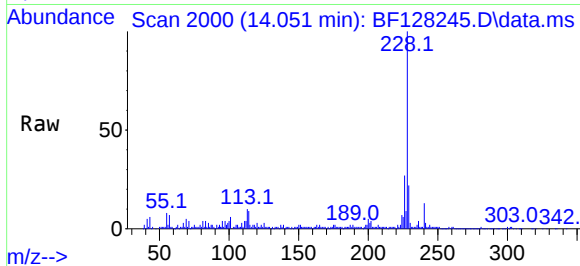
Tgt Ion:244 Resp: 497549
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.4
122 8.8 8.6 12.8





#81
Benzo(a)anthracene
Concen: 11.455 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

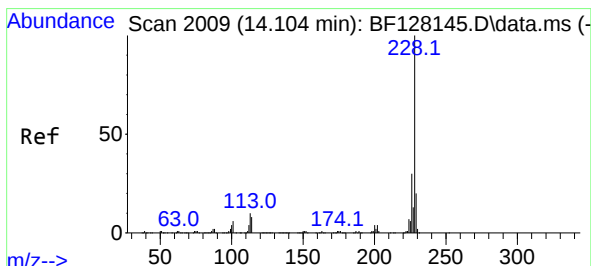
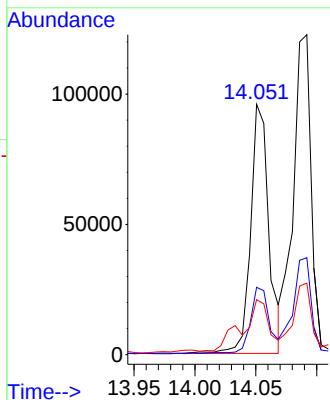
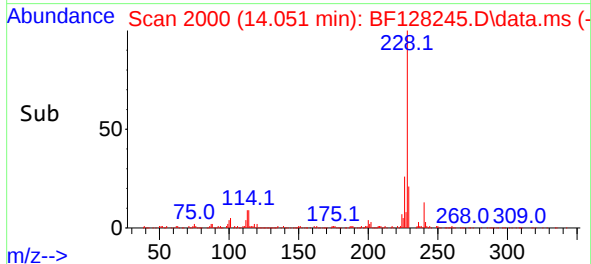
Instrument :
BNA_F
ClientSampleId :
SC-13



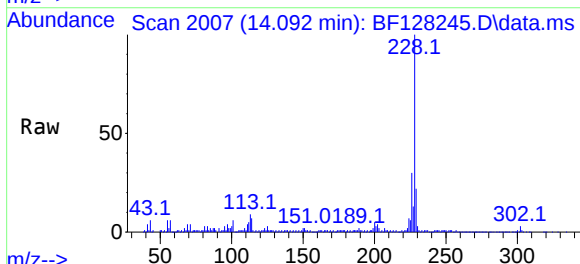
Tgt Ion:228 Resp: 9950
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 22.0 15.4 23.2

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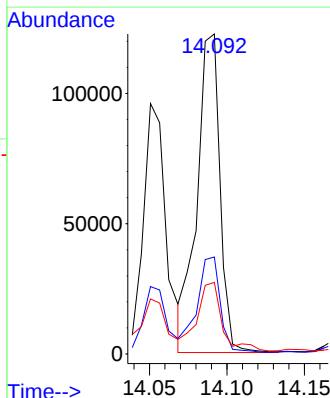
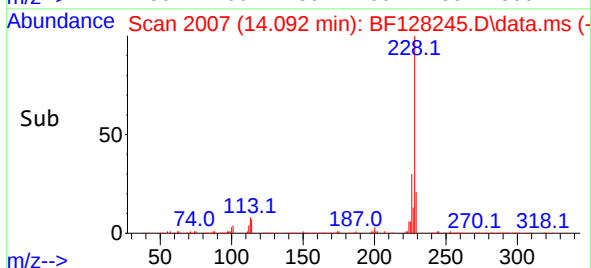
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

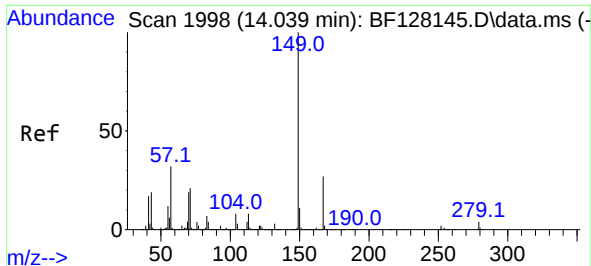


#83
Chrysene
Concen: 15.264 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11



Tgt Ion:228 Resp: 126520
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.3 15.8 23.8





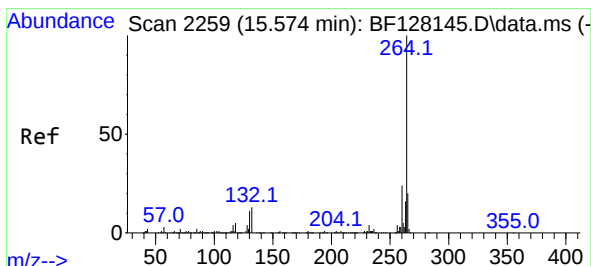
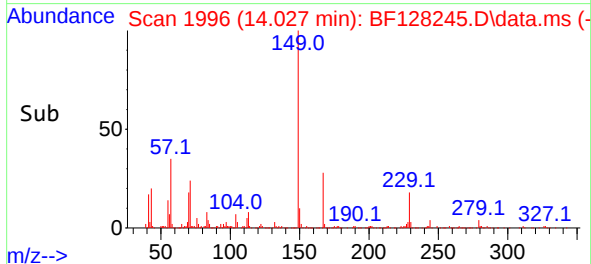
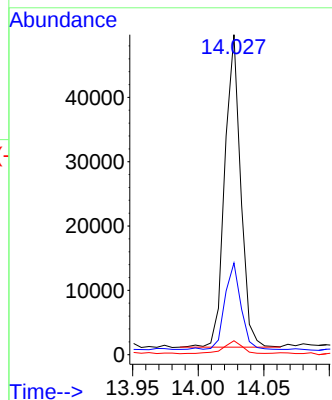
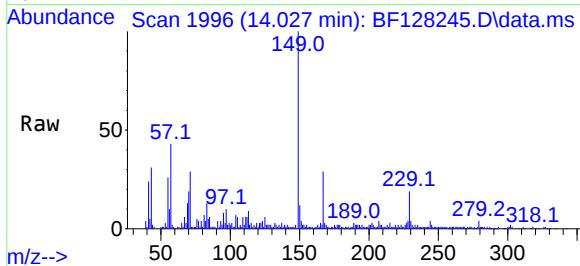
#84
Bis(2-ethylhexyl)phthalate
Concen: 7.369 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Instrument :
BNA_F
ClientSampleId :
SC-13

Tgt Ion:149 Resp: 40820
Ion Ratio Lower Upper
149 100
167 28.7 22.0 33.0
279 4.3 3.4 5.0

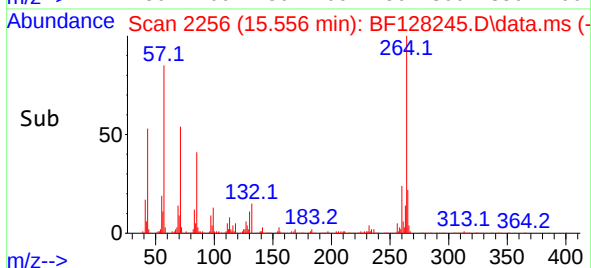
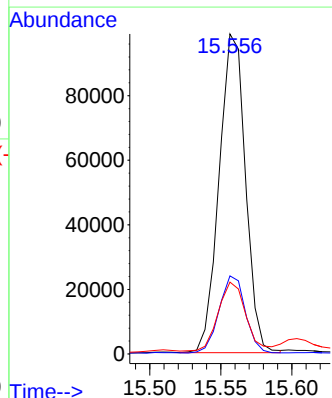
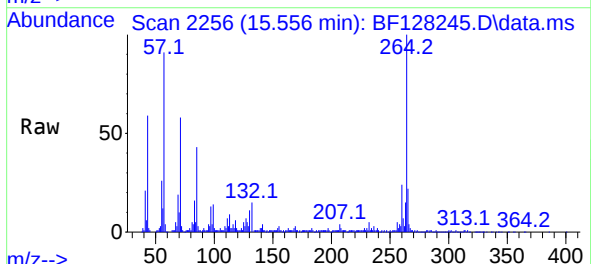
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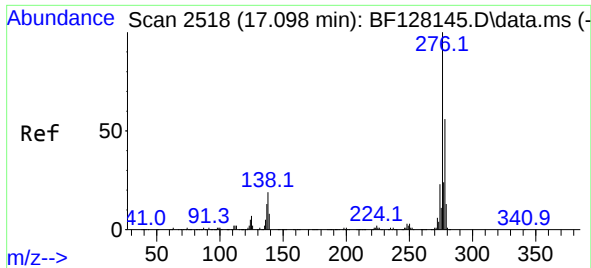
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Tgt Ion:264 Resp: 127581
Ion Ratio Lower Upper
264 100
260 24.4 20.1 30.1
265 22.4 17.5 26.3





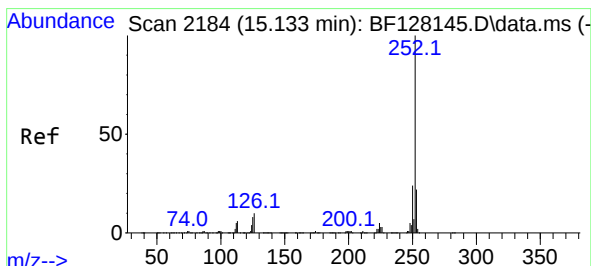
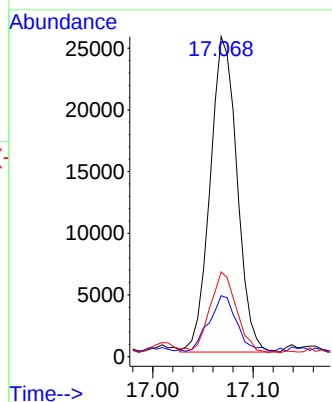
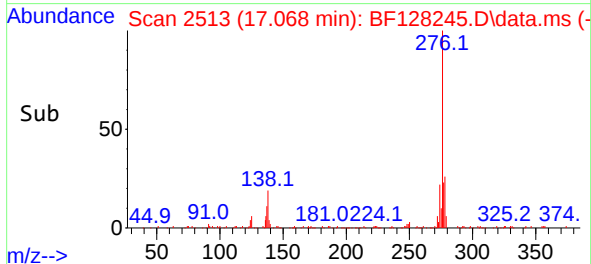
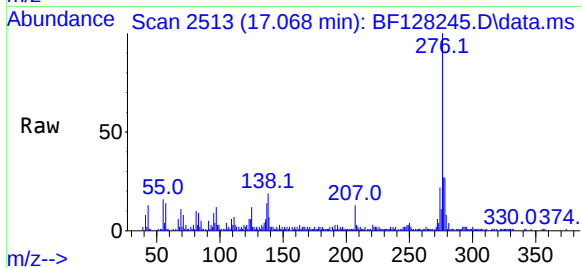
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.172 ng
RT: 17.068 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Instrument :
BNA_F
ClientSampleId :
SC-13

Tgt Ion: 276 Resp: 4763
Ion Ratio Lower Upper
276 100
138 18.0 19.0 28.4
277 25.2 20.1 30.1

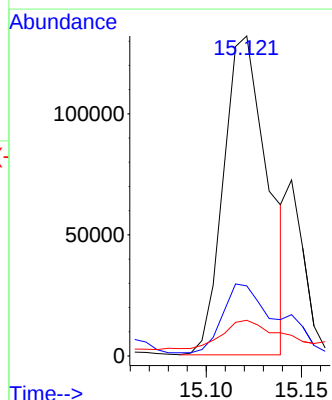
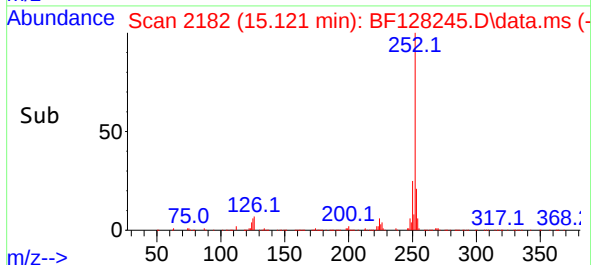
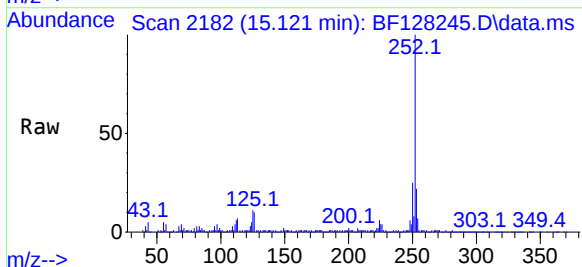
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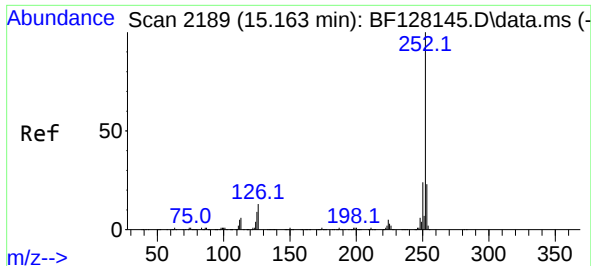
Reviewed By : Christian Giraldo 05/16/2022
Supervised By : Jagrut Upadhyay 05/16/2022



#88
Benzo(b)fluoranthene
Concen: 26.839 ng m
RT: 15.121 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Tgt Ion: 252 Resp: 212263
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 11.2 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 6.005 ng m

RT: 15.145 min Scan# 2186

Delta R.T. -0.006 min

Lab File: BF128245.D

Acq: 13 May 2022 18:11

Instrument :

BNA_F

ClientSampleId :

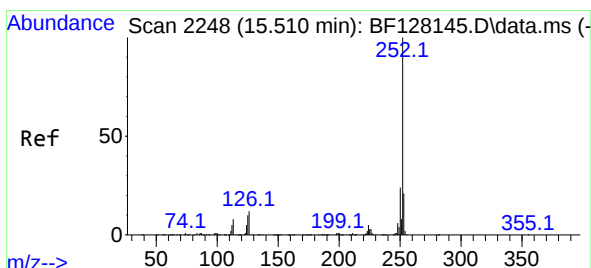
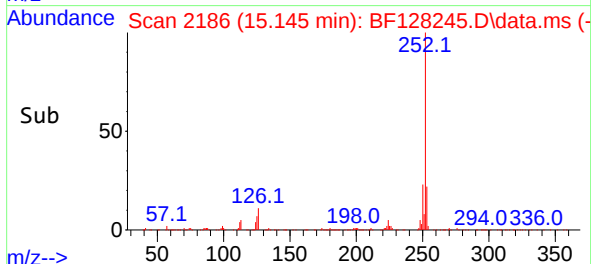
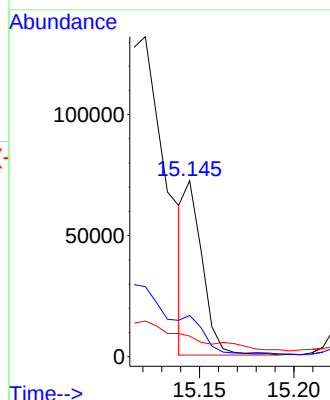
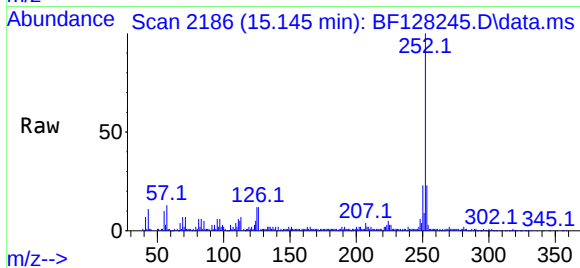
SC-13

Tgt Ion:252 Resp: 46884
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.0 25.4
 125 11.8 6.8 10.2

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 16.437 ng

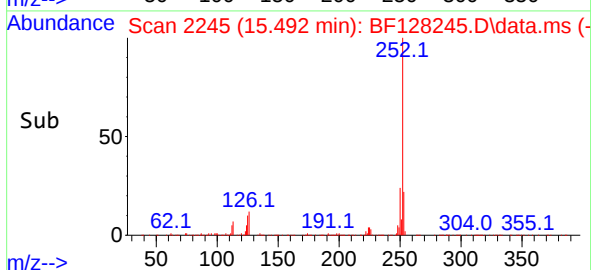
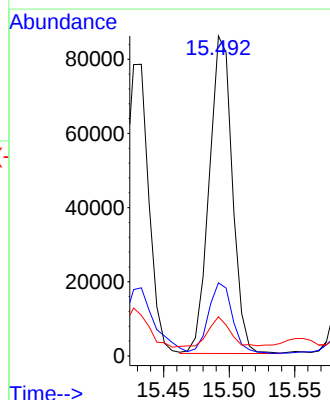
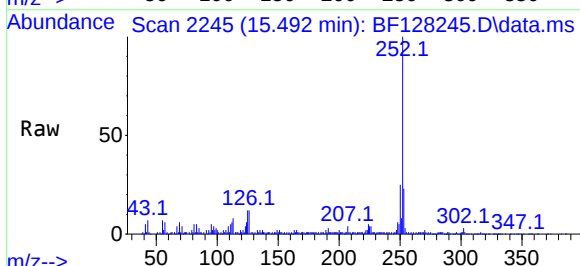
RT: 15.492 min Scan# 2245

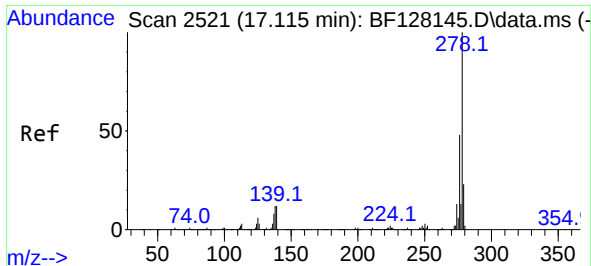
Delta R.T. -0.006 min

Lab File: BF128245.D

Acq: 13 May 2022 18:11

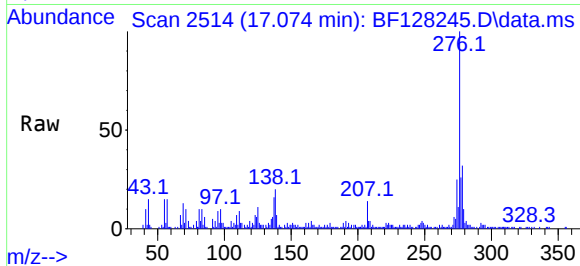
Tgt Ion:252 Resp: 104947
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.8 26.6
 125 12.3 9.2 13.8





#91
Dibenzo(a,h)anthracene
Concen: 2.746 ng
RT: 17.074 min Scan# 2514
Delta R.T. -0.024 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

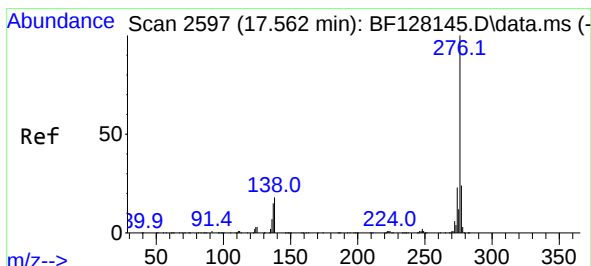
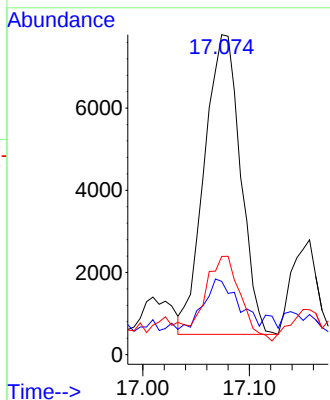
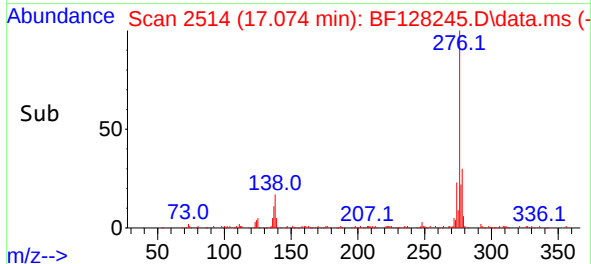
Instrument :
BNA_F
ClientSampleId :
SC-13



Tgt Ion: 278 Resp: 1715
Ion Ratio Lower Upper
278 100
139 22.9 12.6 19.0
279 30.7 18.9 28.3

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



#92
Benzo(g,h,i)perylene
Concen: 6.542 ng
RT: 17.527 min Scan# 2591
Delta R.T. -0.024 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Tgt Ion: 276 Resp: 41384
Ion Ratio Lower Upper
276 100
277 26.7 18.8 28.2
138 19.9 16.2 24.2

