

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
 Data File : BF128182.D
 Acq On : 11 May 2022 01:44
 Operator : CG\JU
 Sample : N2749-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/11/2022
 Supervised By : Jagrut Upadhyay 05/11/2022

Quant Time: May 11 04:03:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 15:30:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	72722	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	271970	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	144638	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	203646	20.000	ng	0.00
76) Chrysene-d12	14.080	240	147744	20.000	ng	0.00
86) Perylene-d12	15.580	264	127901	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	451711	99.019	ng	0.00
7) Phenol-d6	6.522	99	591441	98.022	ng	0.00
23) Nitrobenzene-d5	7.457	82	416605	68.926	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	131914	79.523	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	619872	67.058	ng	0.00
79) Terphenyl-d14	13.016	244	473469	60.133	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.198	128	97610	7.267	ng	99
37) 2-Methylnaphthalene	8.886	142	31849	3.517	ng	93
49) Acenaphthylene	9.798	152	219927	18.631	ng	99
58) Fluorene	10.492	166	23842	2.634	ng	# 39
71) Phenanthrene	11.451	178	156193	15.403	ng	98
72) Anthracene	11.504	178	96138	9.496	ng	98
75) Fluoranthene	12.645	202	373064	33.934	ng	97
78) Pyrene	12.880	202	527261	49.218	ng	98
81) Benzo(a)anthracene	14.068	228	248489m	26.332	ng	
83) Chrysene	14.104	228	261234m	29.012	ng	
87) Indeno(1,2,3-cd)pyrene	17.098	276	176618m	22.828	ng	
88) Benzo(b)fluoranthene	15.139	252	303960m	38.338	ng	
89) Benzo(k)fluoranthene	15.162	252	65178m	8.328	ng	
90) Benzo(a)pyrene	15.515	252	263316	41.138	ng	98
91) Dibenzo(a,h)anthracene	17.104	278	45281m	7.229	ng	
92) Benzo(g,h,i)perylene	17.562	276	204604	32.261	ng	97

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

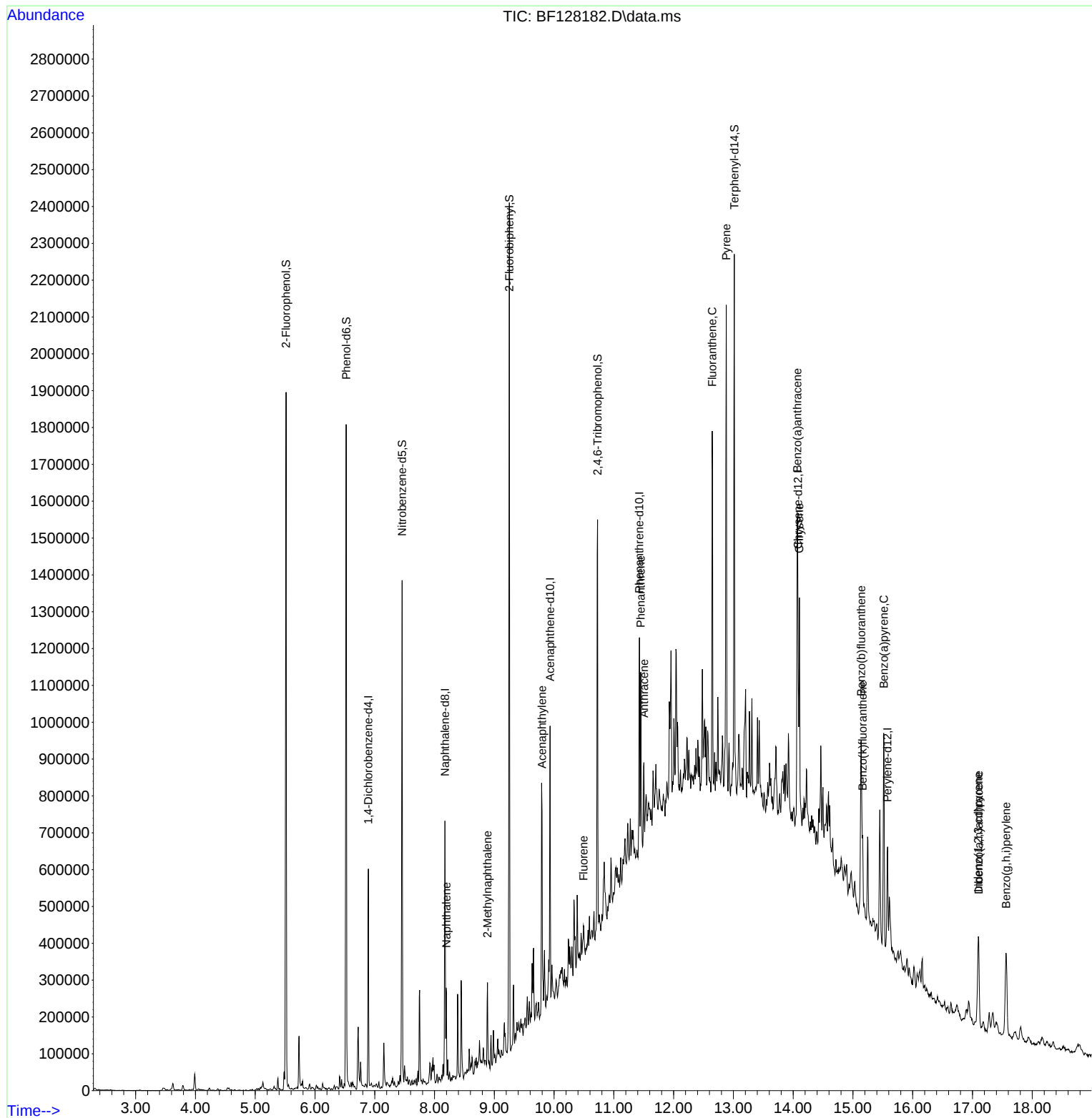
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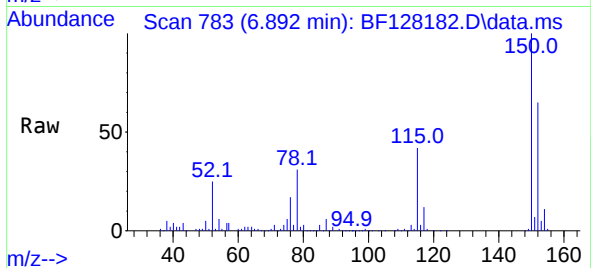
Reviewed By : Christian Giraldo 05/11/2022
Supervised By : Jagrut Upadhyay 05/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 783
Delta R.T. 0.000 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44

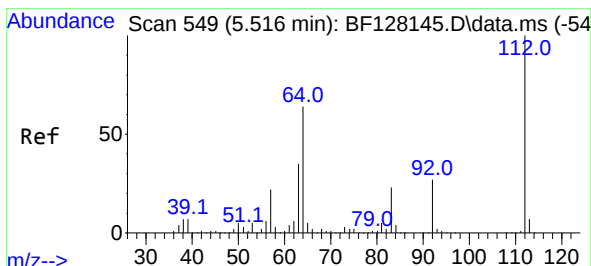
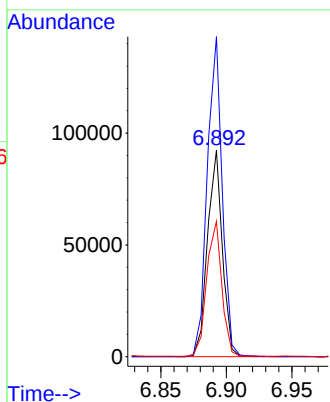
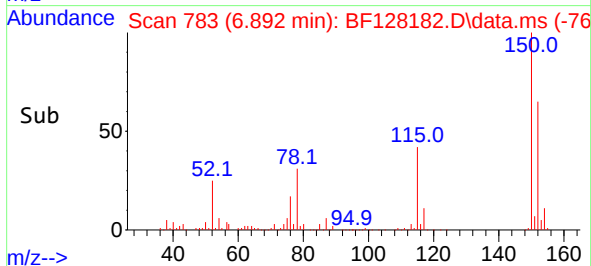
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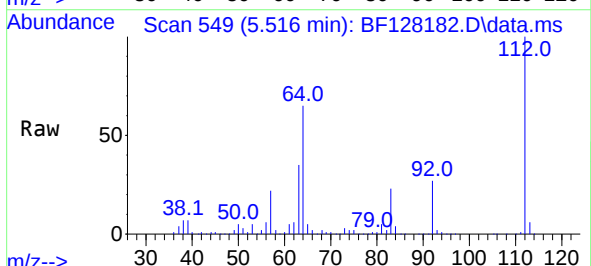
Tgt Ion:152 Resp: 7272
Ion Ratio Lower Upper
152 100
150 155.0 125.3 187.9
115 65.6 48.8 73.2

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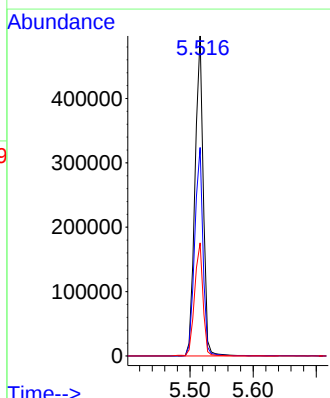
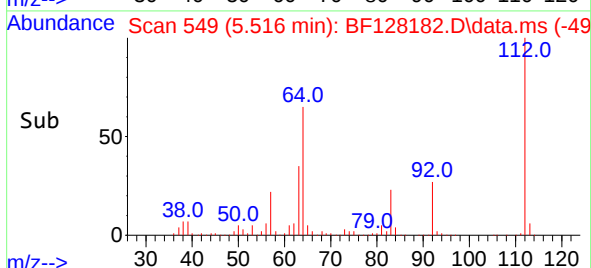
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Supervised By :Jagrut Upadhyay 05/11/2022

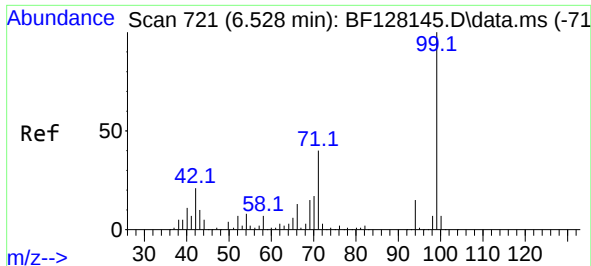


#5
2-Fluorophenol
Concen: 99.019 ng
RT: 5.516 min Scan# 549
Delta R.T. -0.000 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44



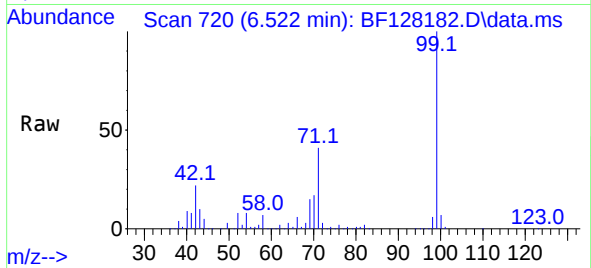
Tgt Ion:112 Resp: 451711
Ion Ratio Lower Upper
112 100
64 65.2 49.5 74.3
63 35.4 26.3 39.5





#7
Phenol-d6
Concen: 98.022 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44

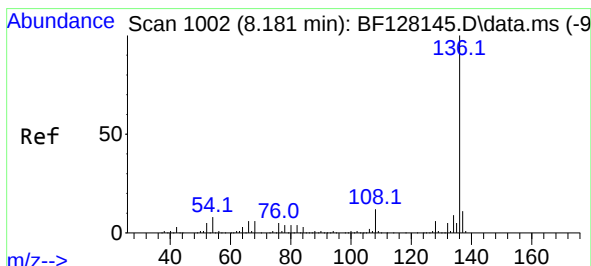
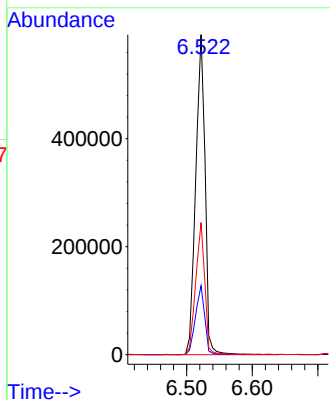
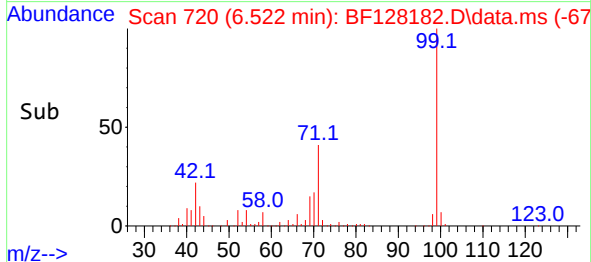
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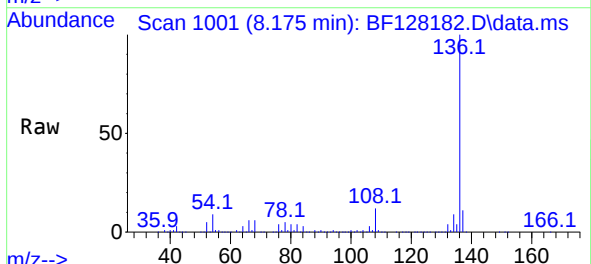
Tgt Ion: 99 Resp: 59144
Ion Ratio Lower Upper
99 100
42 21.6 16.6 24.8
71 41.3 30.0 45.0

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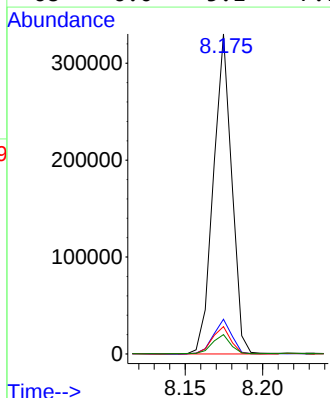
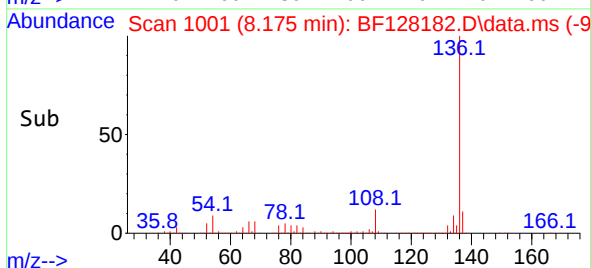
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

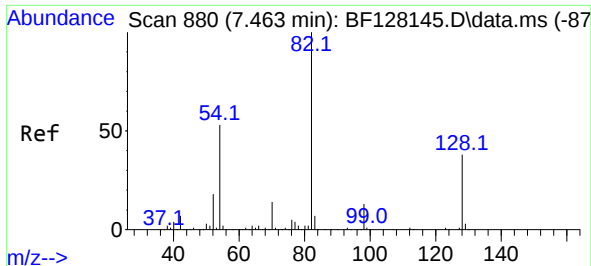


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44



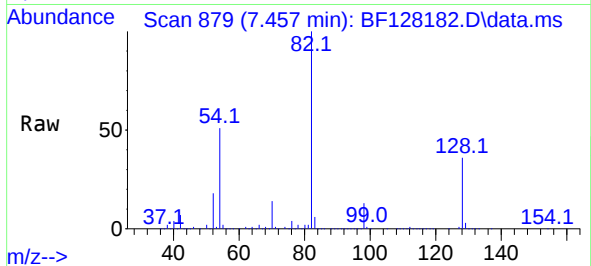
Tgt Ion:136 Resp: 271970
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.6 6.8 10.2
68 6.0 5.1 7.7





#23
Nitrobenzene-d5
Concen: 68.926 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44

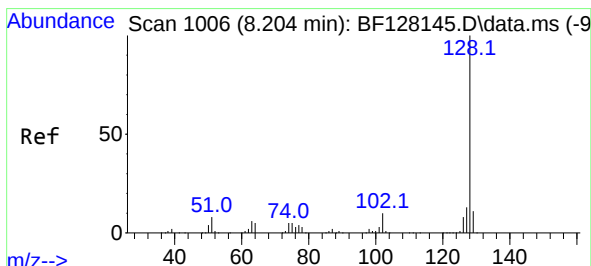
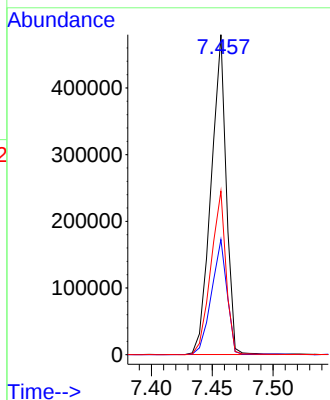
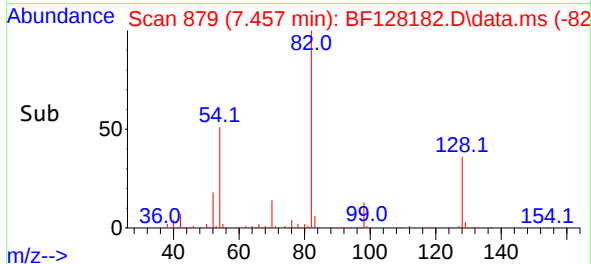
Instrument :
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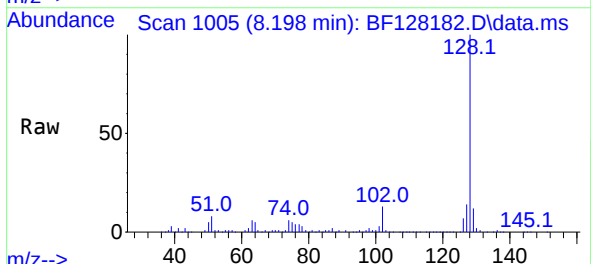
Tgt Ion: 82 Resp: 41660
Ion Ratio Lower Upper
82 100
128 36.0 30.0 45.0
54 51.1 41.3 61.9

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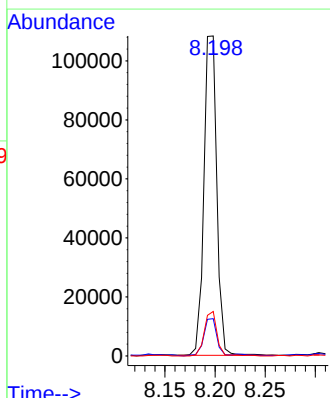
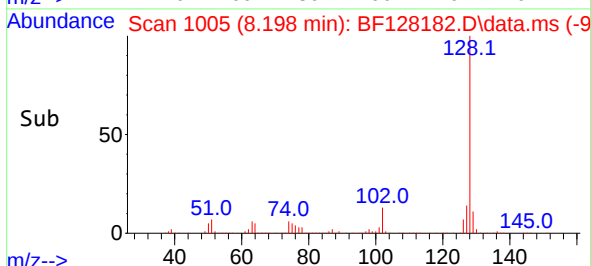
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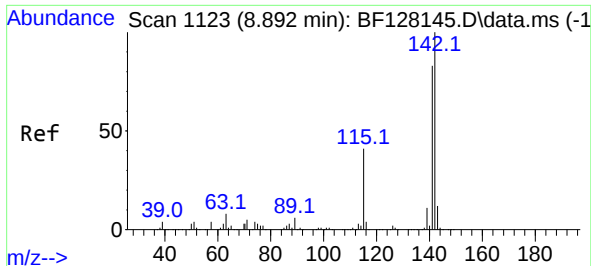


#31
Naphthalene
Concen: 7.267 ng
RT: 8.198 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44



Tgt Ion:128 Resp: 97610
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.4
127 13.9 10.6 16.0





#37

2-Methylnaphthalene

Concen: 3.517 ng

RT: 8.886 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BF128182.D

Acq: 11 May 2022 01:44

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:142 Resp: 31849

Ion Ratio Lower Upper

142 100

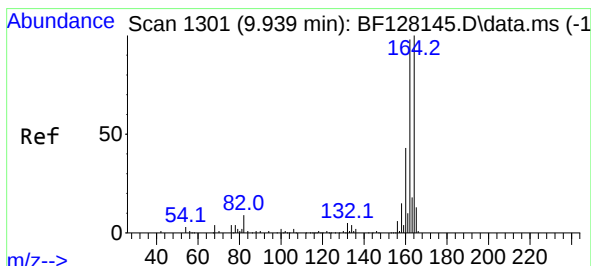
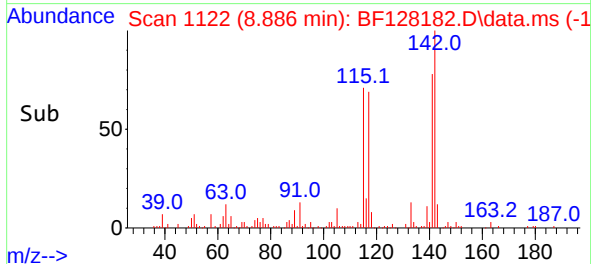
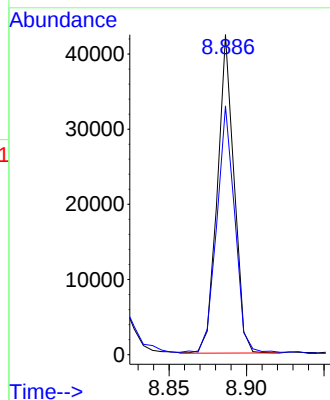
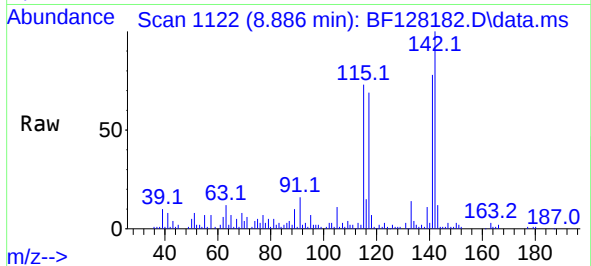
141 77.7 67.4 101.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1300

Delta R.T. -0.006 min

Lab File: BF128182.D

Acq: 11 May 2022 01:44

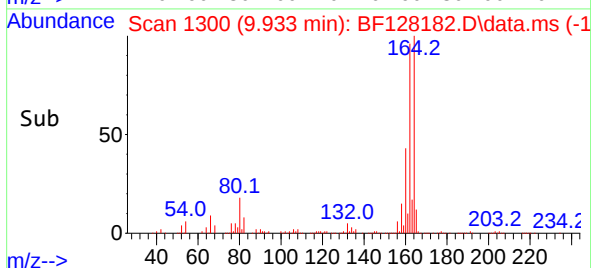
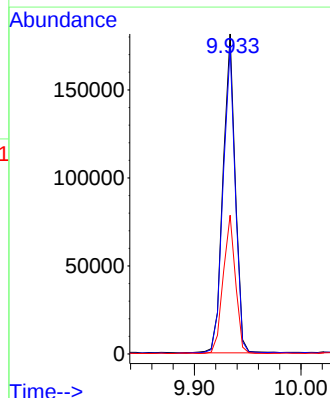
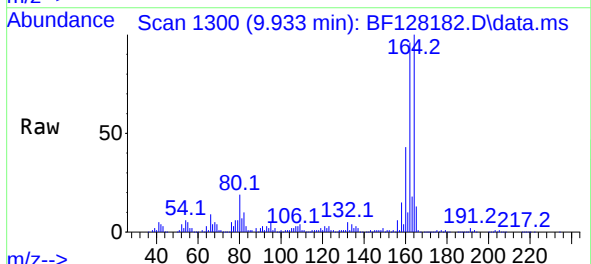
Tgt Ion:164 Resp: 144638

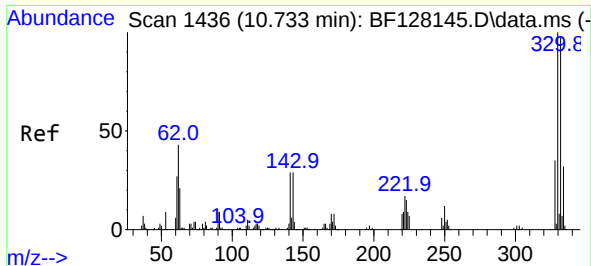
Ion Ratio Lower Upper

164 100

162 95.7 76.0 114.0

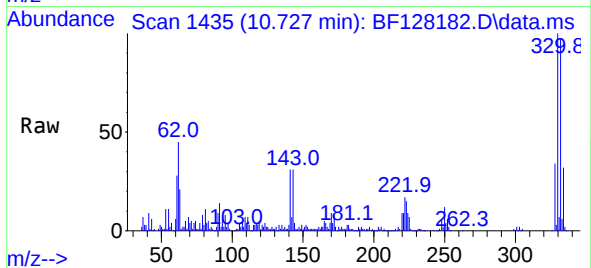
160 43.4 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 79.523 ng
RT: 10.727 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44

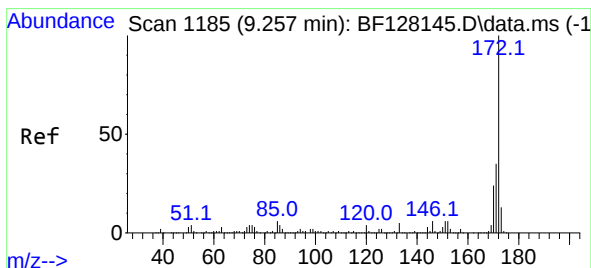
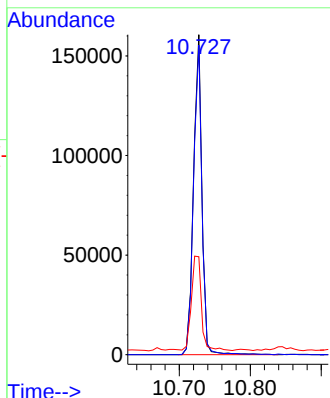
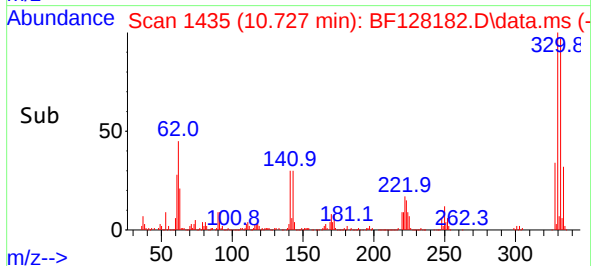
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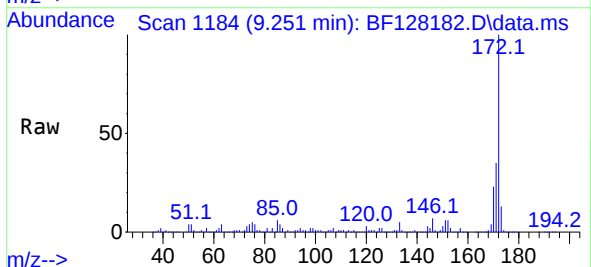
Tgt Ion: 330 Resp: 131914
Ion Ratio Lower Upper
330 100
332 97.1 79.0 118.4
141 35.0 28.9 43.3

Manual Integrations
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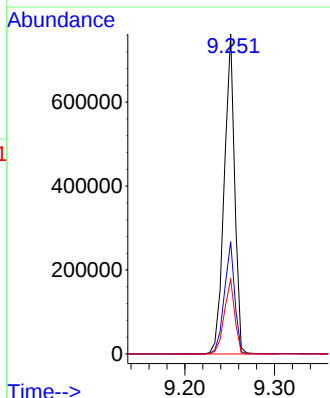
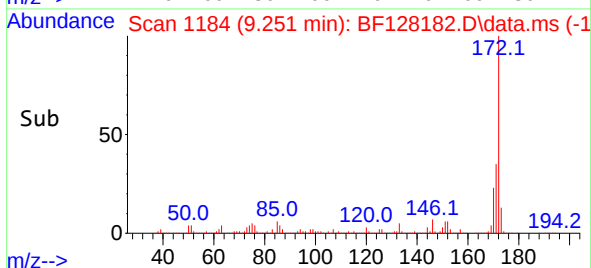
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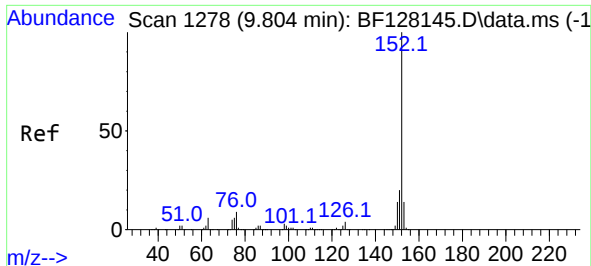


#45
2-Fluorobiphenyl
Concen: 67.058 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44



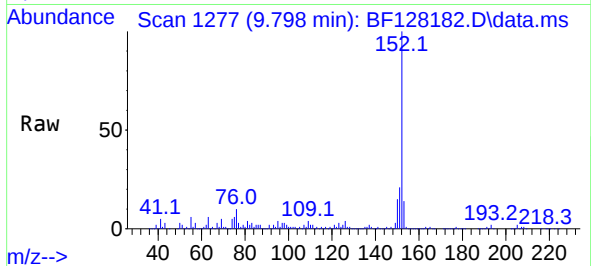
Tgt Ion: 172 Resp: 619872
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.4 19.1 28.7





#49
Acenaphthylene
Concen: 18.631 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44

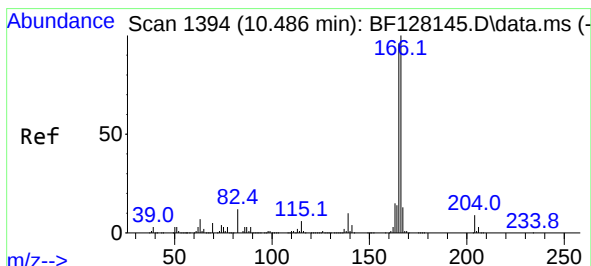
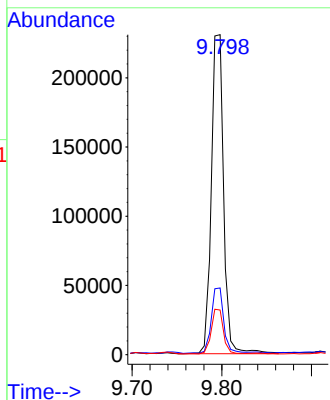
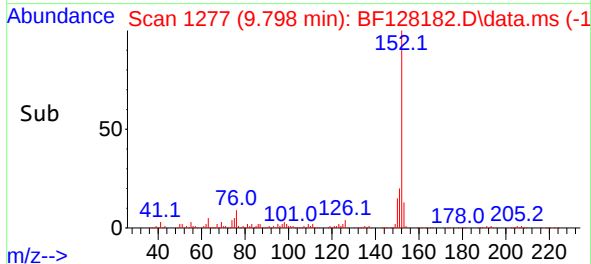
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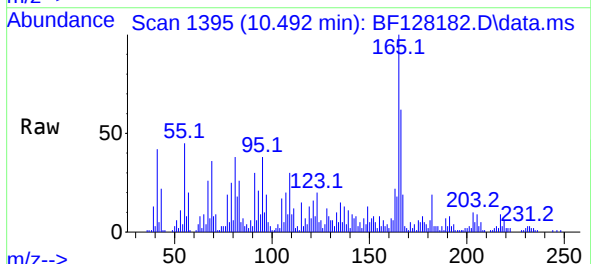
Tgt Ion:152 Resp: 21992
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.2
153 13.9 11.2 16.8

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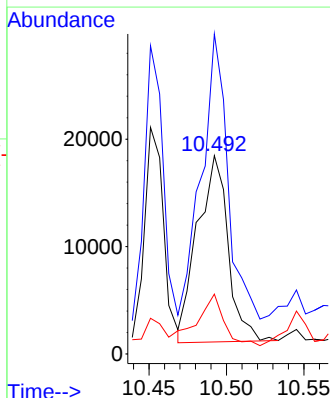
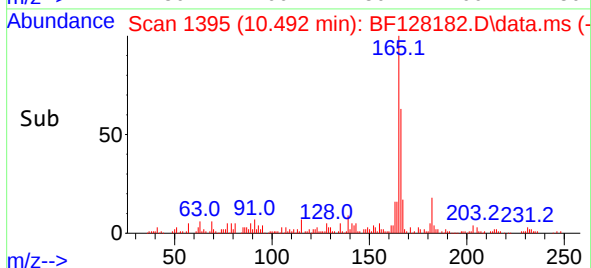
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

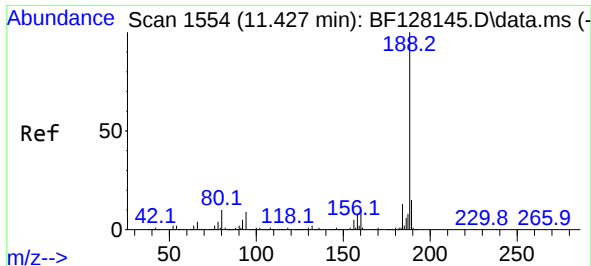


#58
Fluorene
Concen: 2.634 ng
RT: 10.492 min Scan# 1395
Delta R.T. 0.006 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44



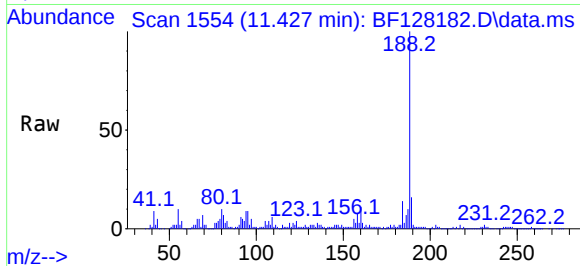
Tgt Ion:166 Resp: 23842
Ion Ratio Lower Upper
166 100
165 161.5 78.6 117.8#
167 30.2 10.5 15.7#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44

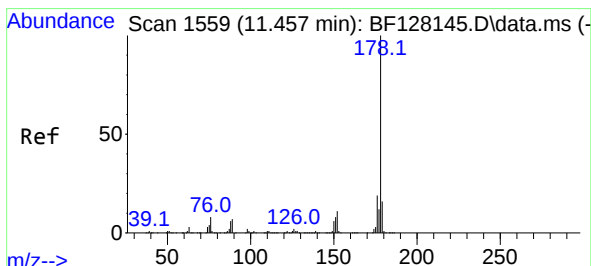
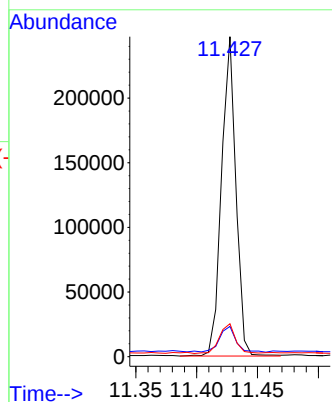
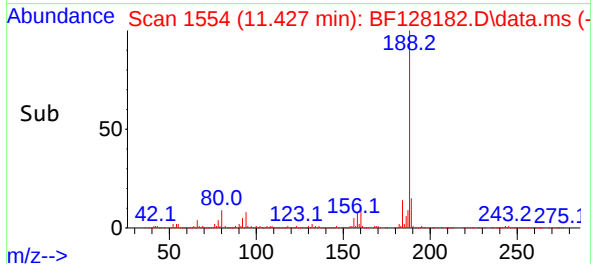
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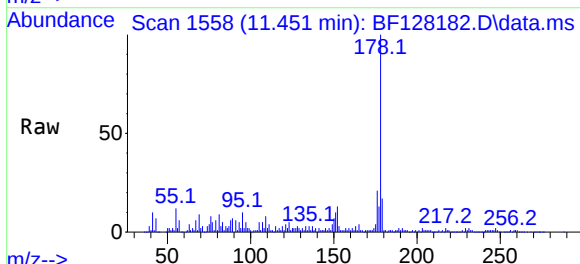
Tgt Ion:188 Resp: 203640
Ion Ratio Lower Upper
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94 9.4 8.0 12.0
80 10.3 8.9 13.3

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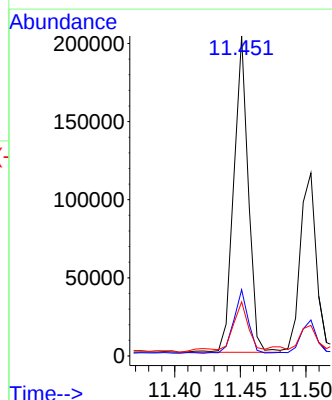
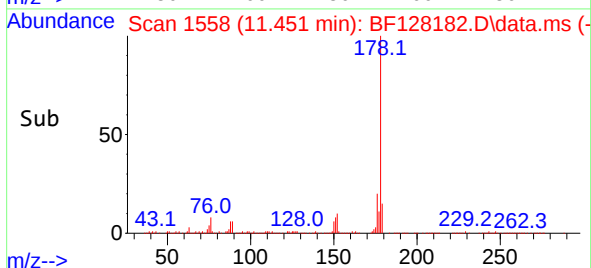
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

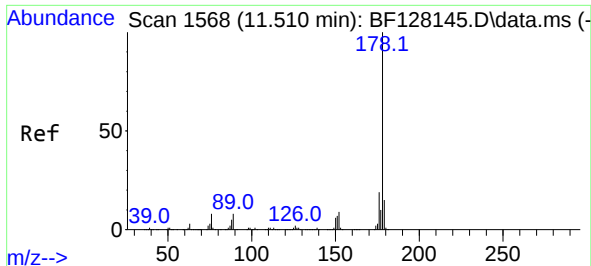


#71
Phenanthrene
Concen: 15.403 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44



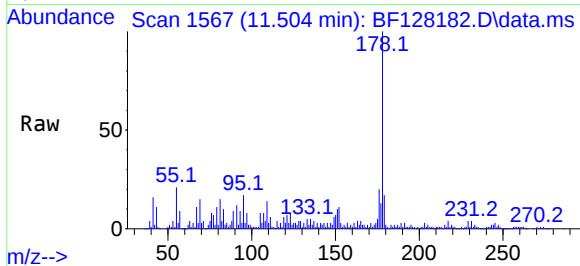
Tgt Ion:178 Resp: 156193
Ion Ratio Lower Upper
178 100
176 20.7 15.7 23.5
179 16.9 12.6 19.0





#72
 Anthracene
 Concen: 9.496 ng
 RT: 11.504 min Scan# 11504
 Delta R.T. -0.006 min
 Lab File: BF128182.D
 Acq: 11 May 2022 01:44

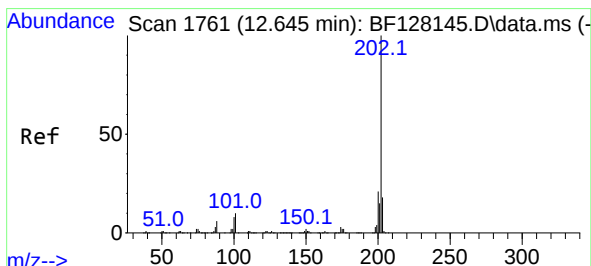
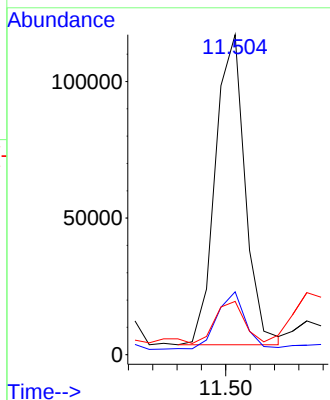
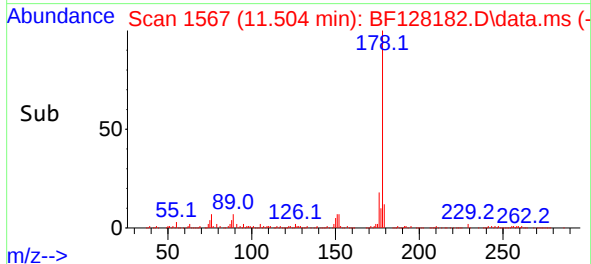
Instrument :
 BNA_F
 ClientSampleId :
 TP-3



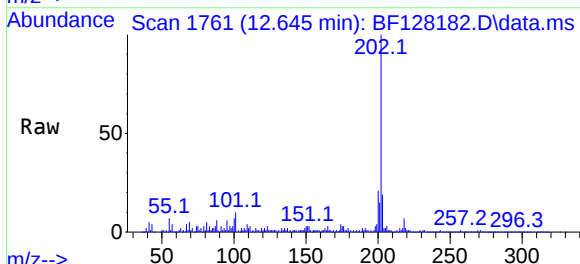
Tgt Ion:178 Resp: 96138
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.0 22.6
 179 16.7 12.4 18.6

Manual Integrations
 APPROVED

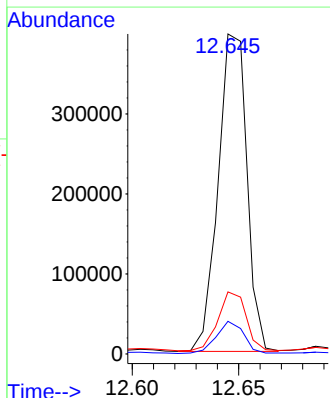
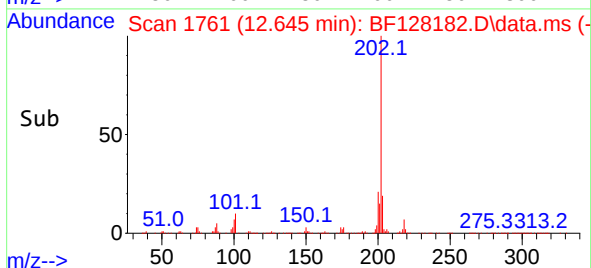
Reviewed By :Christian Giraldo 05/11/2022
 Supervised By :Jagrut Upadhyay 05/11/2022

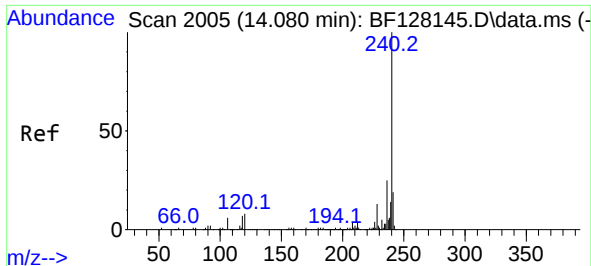


#75
 Fluoranthene
 Concen: 33.934 ng
 RT: 12.645 min Scan# 1761
 Delta R.T. -0.000 min
 Lab File: BF128182.D
 Acq: 11 May 2022 01:44



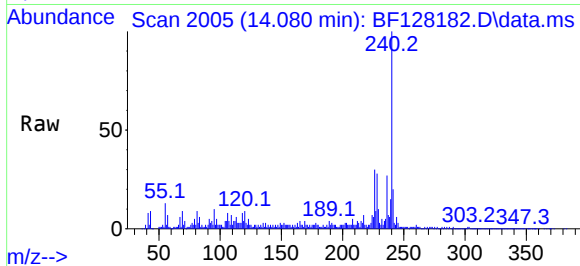
Tgt Ion:202 Resp: 373064
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 31.6
 203 19.4 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44

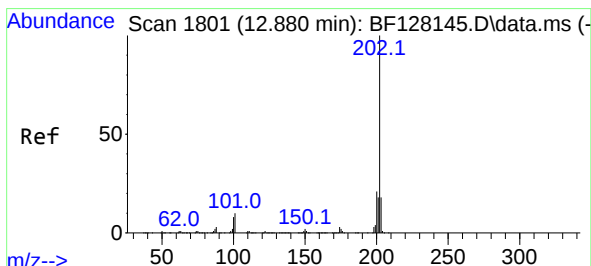
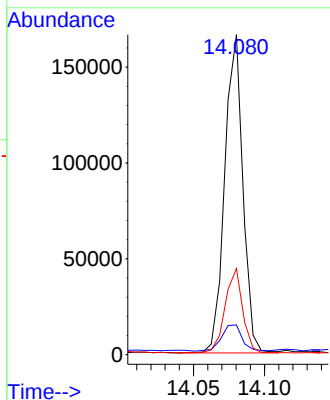
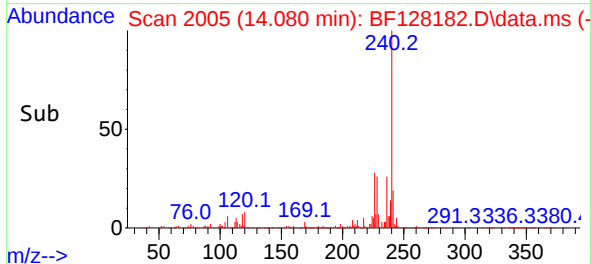
Instrument :
BNA_F
ClientSampleId :
TP-3



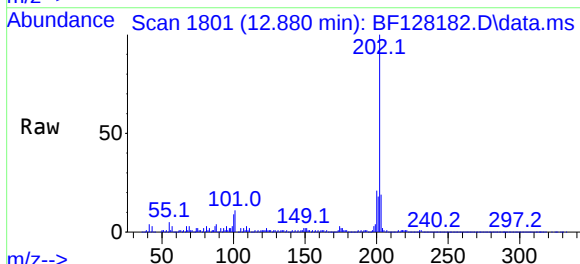
Tgt Ion:240 Resp: 147744
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 26.9 20.3 30.5

Manual Integrations
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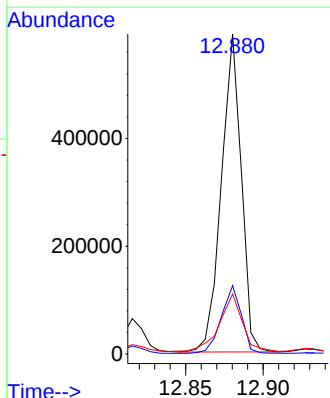
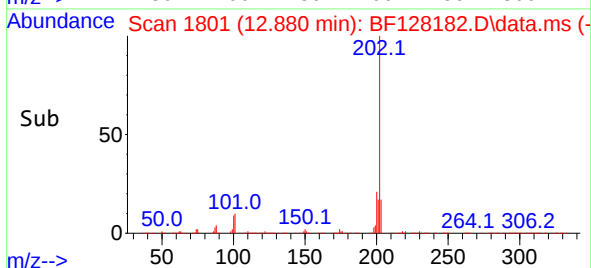
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

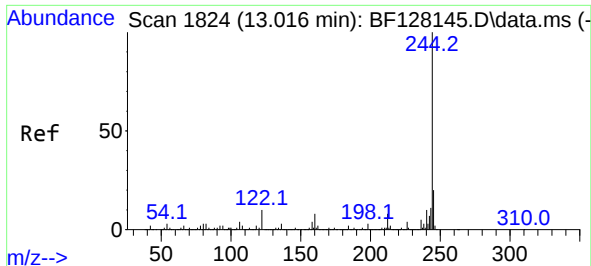


#78
Pyrene
Concen: 49.218 ng
RT: 12.880 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44



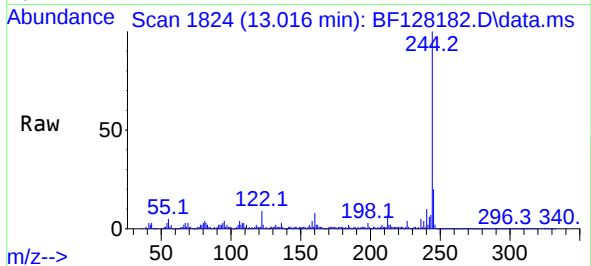
Tgt Ion:202 Resp: 527261
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 18.8 14.0 21.0





#79
 Terphenyl-d14
 Concen: 60.133 ng
 RT: 13.016 min Scan# 1824
 Delta R.T. -0.000 min
 Lab File: BF128182.D
 Acq: 11 May 2022 01:44

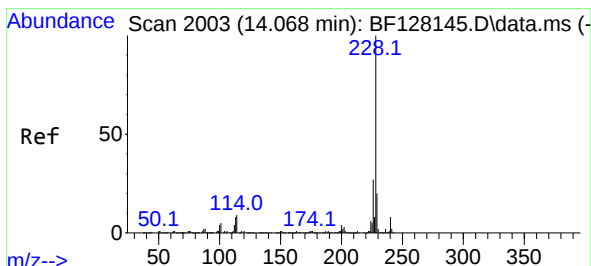
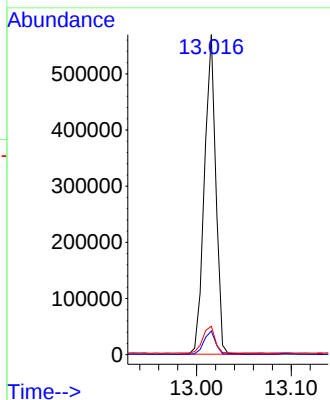
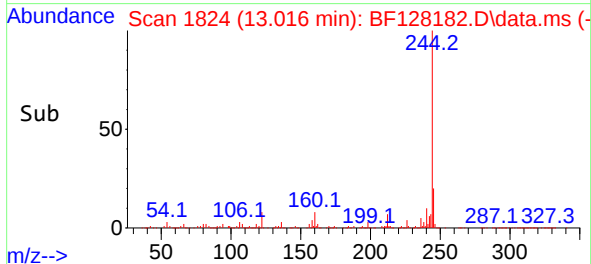
Instrument :
 BNA_F
 ClientSampleId :
 TP-3



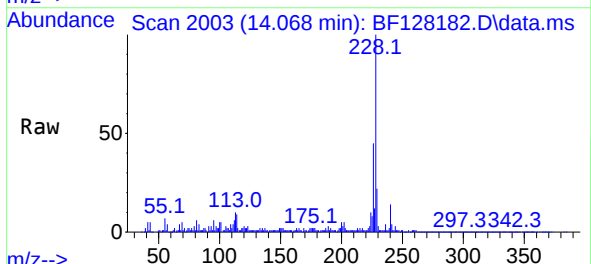
Tgt Ion:244 Resp: 473469
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 8.9 8.6 12.8

Manual Integrations
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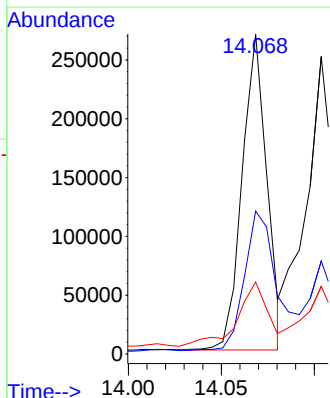
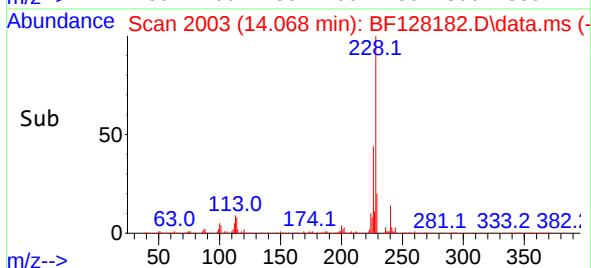
Reviewed By :Christian Giraldo 05/11/2022
 Supervised By :Jagrut Upadhyay 05/11/2022

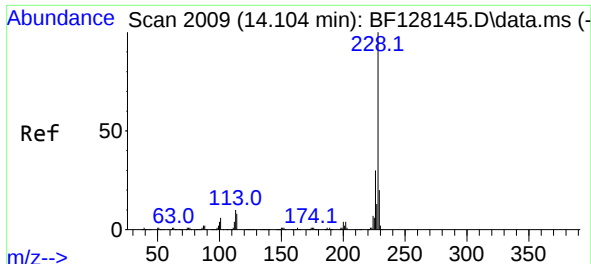


#81
 Benzo(a)anthracene
 Concen: 26.332 ng m
 RT: 14.068 min Scan# 2003
 Delta R.T. -0.000 min
 Lab File: BF128182.D
 Acq: 11 May 2022 01:44



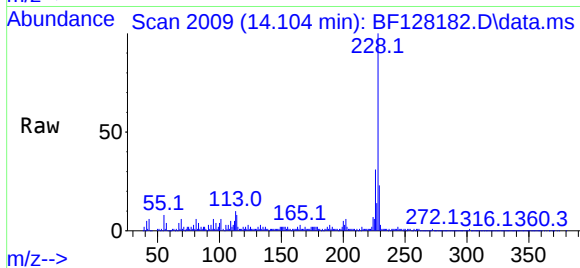
Tgt Ion:228 Resp: 248489
 Ion Ratio Lower Upper
 228 100
 226 44.6 21.7 32.5#
 229 22.5 15.4 23.2





#83
Chrysene
Concen: 29.012 ng m
RT: 14.104 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44

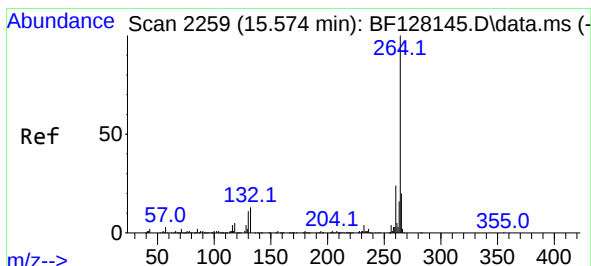
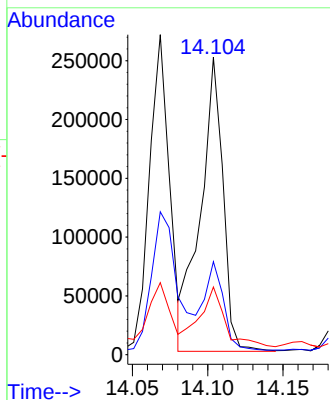
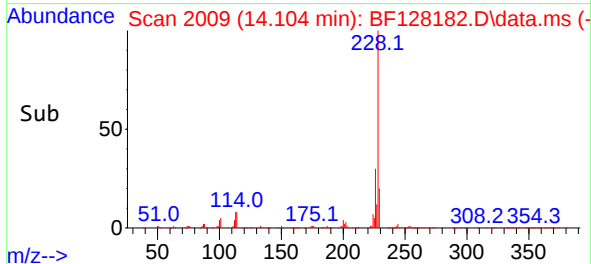
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:228 Resp: 261234
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 22.7 15.8 23.8

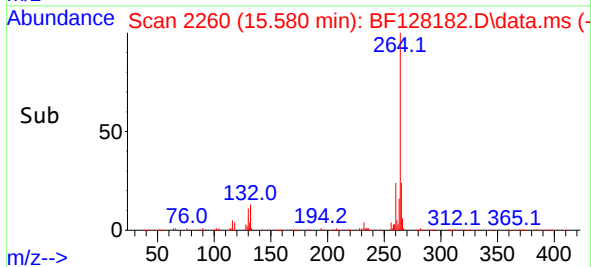
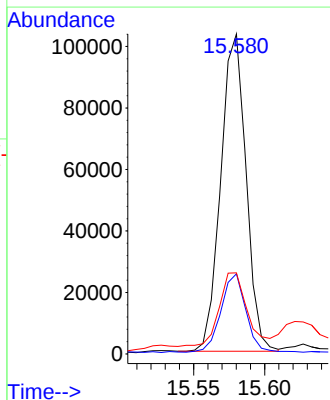
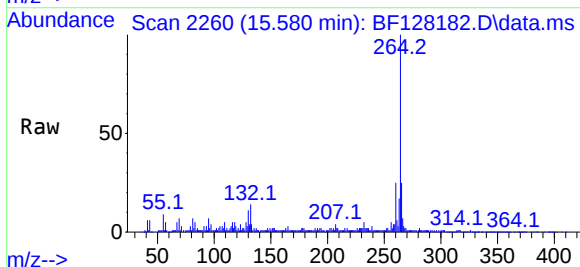
Manual Integrations
APPROVED

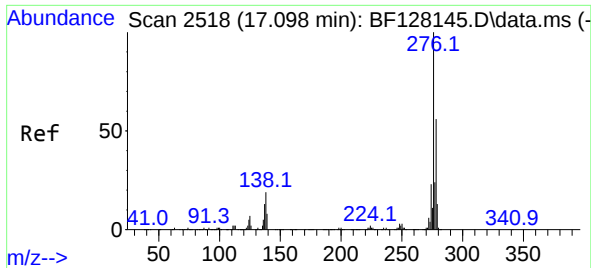
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44

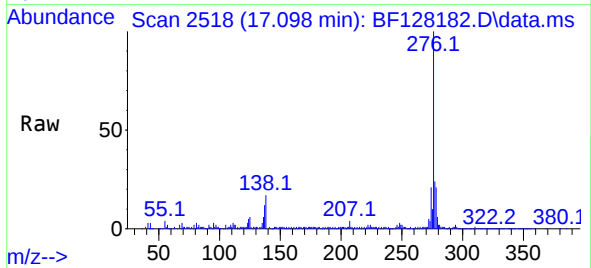
Tgt Ion:264 Resp: 127901
Ion Ratio Lower Upper
264 100
260 25.1 20.1 30.1
265 25.4 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 22.828 ng m
RT: 17.098 min Scan# 2185
Delta R.T. -0.000 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44

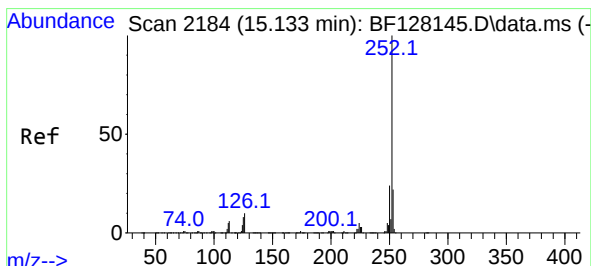
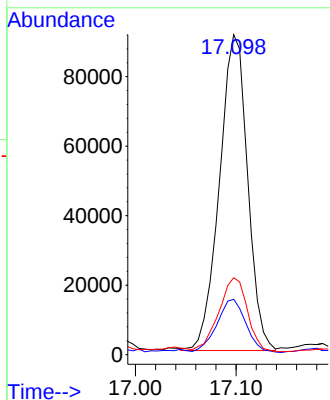
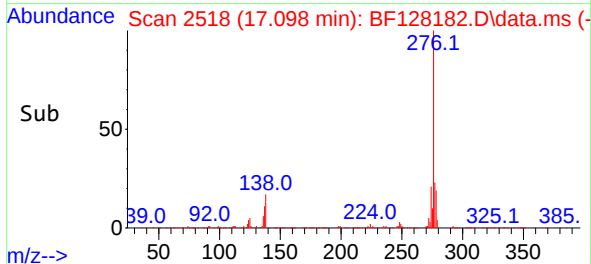
Instrument :
BNA_F
ClientSampleId :
TP-3



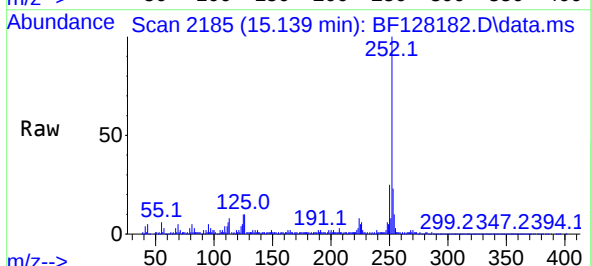
Tgt Ion:276 Resp: 176618
Ion Ratio Lower Upper
276 100
138 3.9 19.0 28.4
277 5.1 20.1 30.1

Manual Integrations
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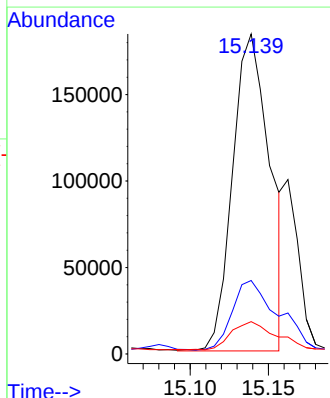
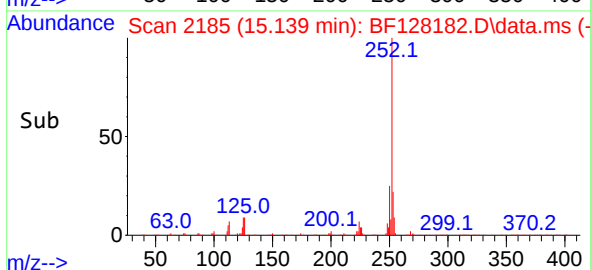
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

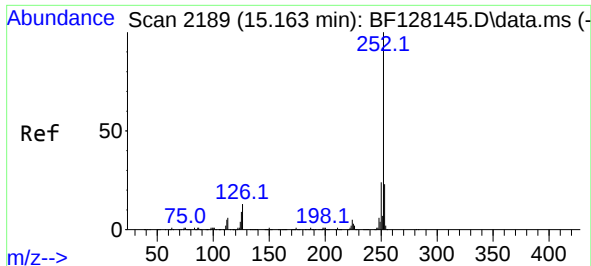


#88
Benzo(b)fluoranthene
Concen: 38.338 ng m
RT: 15.139 min Scan# 2185
Delta R.T. 0.006 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44



Tgt Ion:252 Resp: 303960
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.1 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 8.328 ng m

RT: 15.162 min Scan# 2189

Delta R.T. -0.000 min

Lab File: BF128182.D

Acq: 11 May 2022 01:44

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:252 Resp: 65178

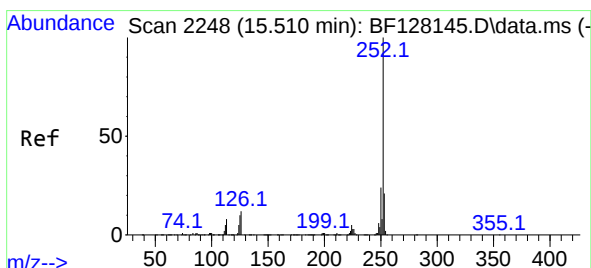
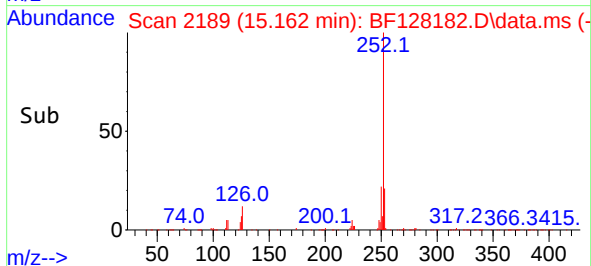
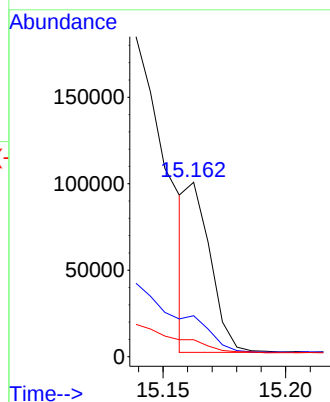
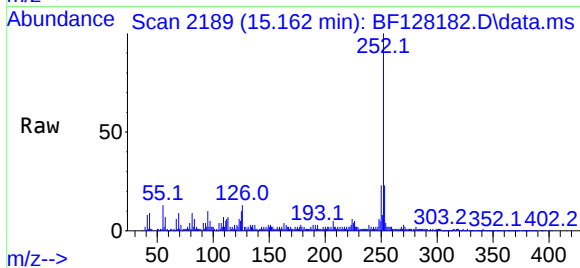
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.4
125	9.8	6.8	10.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/11/2022

Supervised By :Jagrut Upadhyay 05/11/2022



#90

Benzo(a)pyrene

Concen: 41.138 ng

RT: 15.515 min Scan# 2249

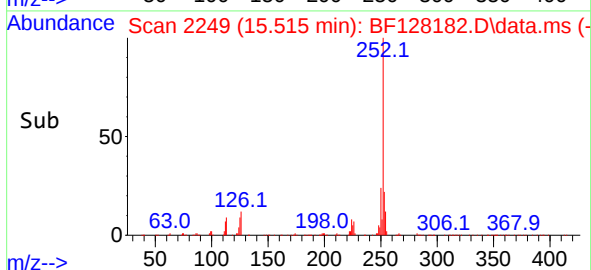
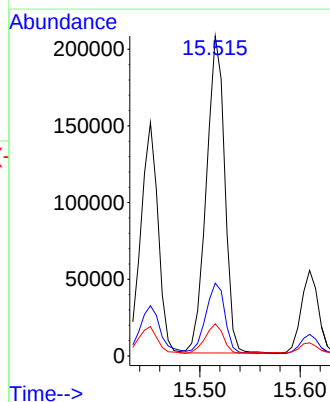
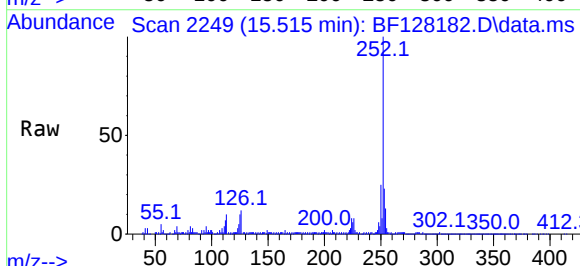
Delta R.T. 0.006 min

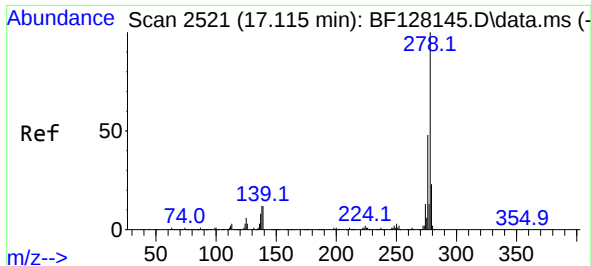
Lab File: BF128182.D

Acq: 11 May 2022 01:44

Tgt Ion:252 Resp: 263316

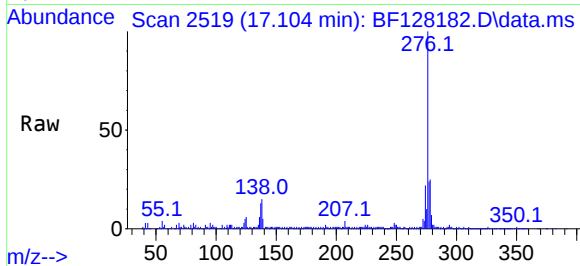
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	10.1	9.2	13.8





#91
Dibenzo(a,h)anthracene
Concen: 7.229 ng m
RT: 17.104 min Scan# 2519
Delta R.T. -0.012 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44

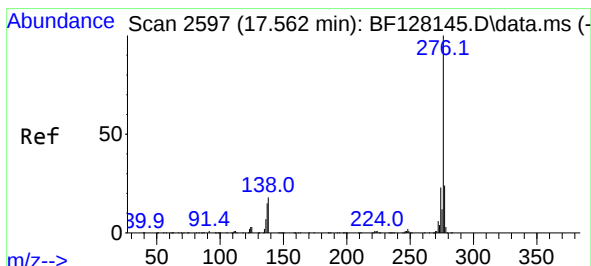
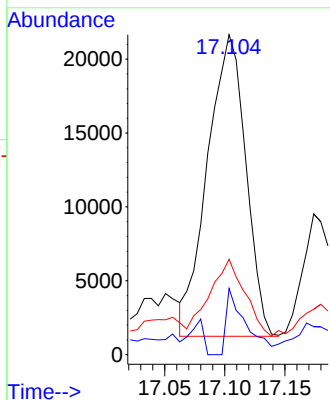
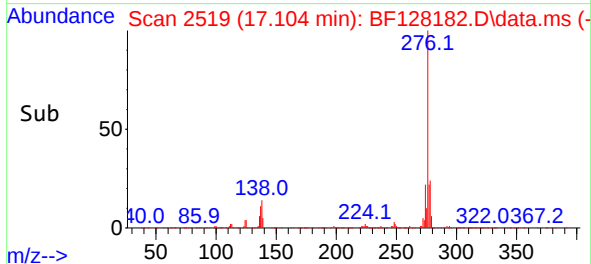
Instrument :
BNA_F
ClientSampleId :
TP-3



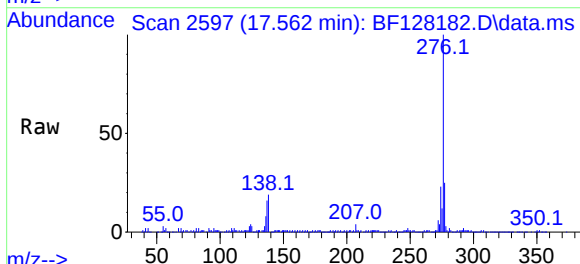
Tgt Ion:278 Resp: 4528
Ion Ratio Lower Upper
278 100
139 20.7 12.6 19.0
279 29.8 18.9 28.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#92
Benzo(g,h,i)perylene
Concen: 32.261 ng
RT: 17.562 min Scan# 2597
Delta R.T. -0.000 min
Lab File: BF128182.D
Acq: 11 May 2022 01:44



Tgt Ion:276 Resp: 204604
Ion Ratio Lower Upper
276 100
277 24.7 18.8 28.2
138 18.8 16.2 24.2

