

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
 Data File : BF128176.D
 Acq On : 10 May 2022 22:53
 Operator : CG\JU
 Sample : N2749-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

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

Quant Time: May 11 04:02:19 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	6.893	152	75667	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	289045	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	159666	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	253411	20.000	ng	0.00
76) Chrysene-d12	14.074	240	153623	20.000	ng	0.00
86) Perylene-d12	15.568	264	166734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	509614	107.364	ng	0.00
7) Phenol-d6	6.522	99	674643	107.460	ng	0.00
23) Nitrobenzene-d5	7.457	82	476130	74.121	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	182064	99.425	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	744826	72.991	ng	0.00
79) Terphenyl-d14	13.016	244	620124	75.745	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.192	128	81316	5.696	ng	99
37) 2-Methylnaphthalene	8.887	142	19723	2.049	ng	100
49) Acenaphthylene	9.792	152	42495	3.261	ng	# 93
52) Acenaphthene	9.963	154	55436	6.136	ng	98
58) Fluorene	10.481	166	38675	3.871	ng	# 99
71) Phenanthrene	11.451	178	244017	19.338	ng	99
72) Anthracene	11.498	178	105714	8.391	ng	96
75) Fluoranthene	12.645	202	276384	20.203	ng	96
78) Pyrene	12.875	202	294435	26.433	ng	99
81) Benzo(a)anthracene	14.063	228	145765m	14.855	ng	
83) Chrysene	14.098	228	147005m	15.701	ng	
87) Indeno(1,2,3-cd)pyrene	17.080	276	89941	8.917	ng	# 94
88) Benzo(b)fluoranthene	15.127	252	198990m	19.253	ng	
89) Benzo(k)fluoranthene	15.151	252	63310m	6.205	ng	
90) Benzo(a)pyrene	15.504	252	153246	18.365	ng	97
91) Dibenzo(a,h)anthracene	17.086	278	24900	3.049	ng	# 87
92) Benzo(g,h,i)perylene	17.545	276	81932	9.910	ng	97

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

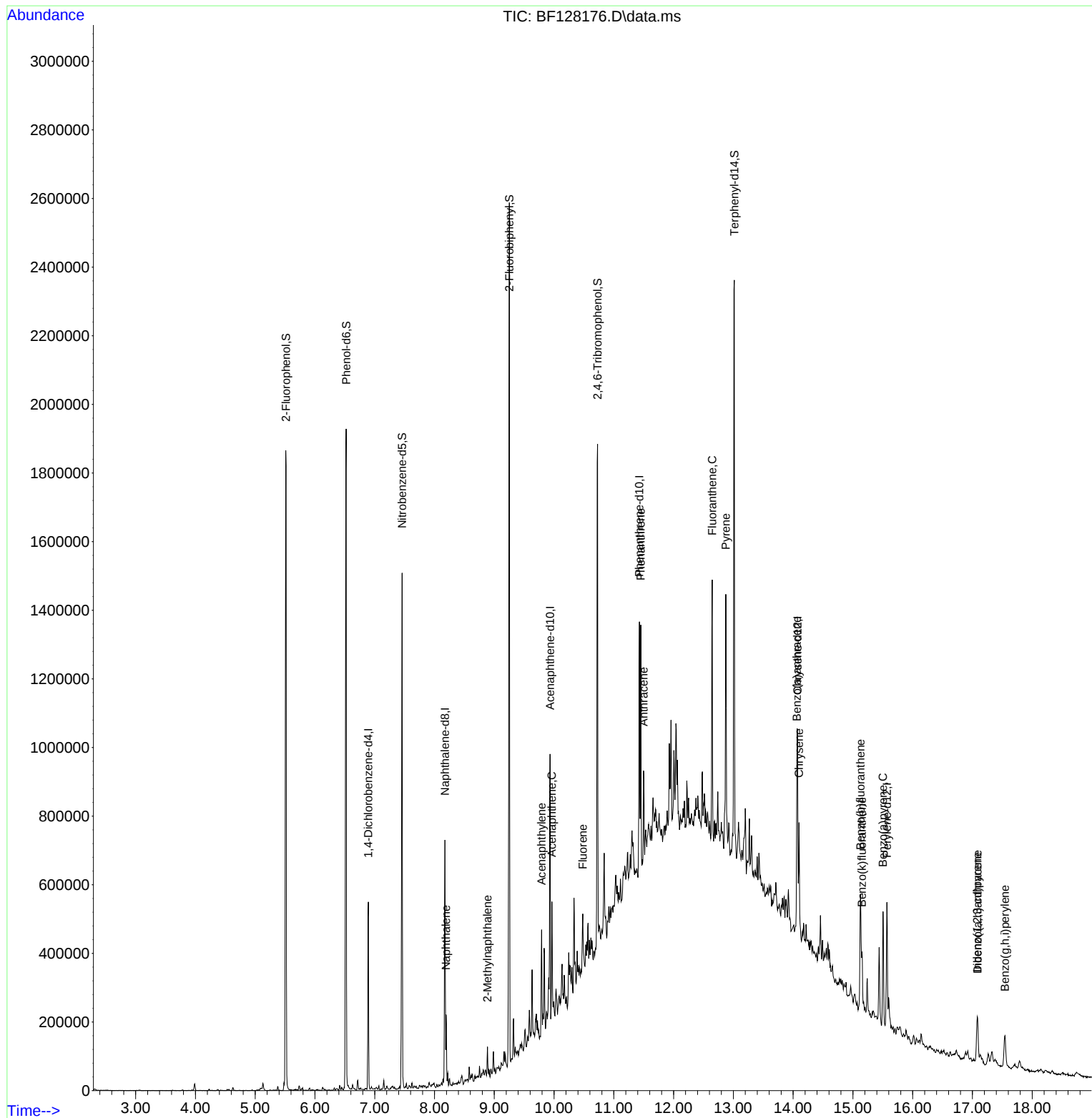
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
Data File : BF128176.D
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ALS Vial : 18 Sample Multiplier: 1

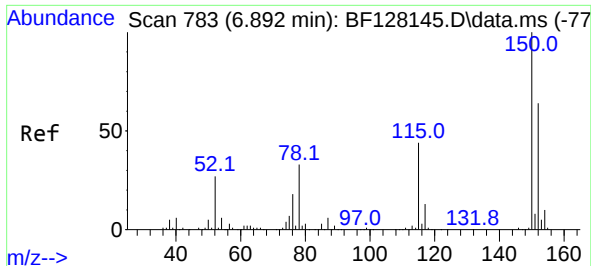
Instrument :
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Quant Time: May 11 04:02:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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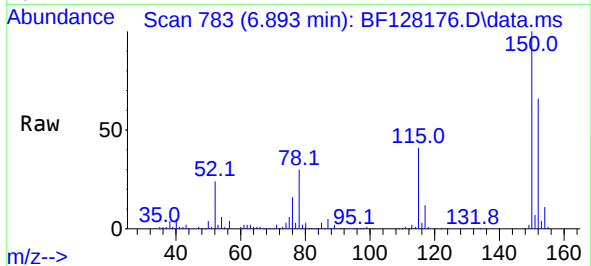
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

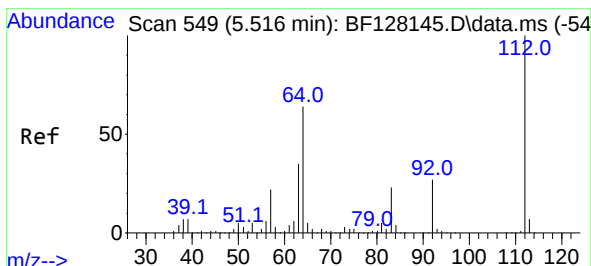
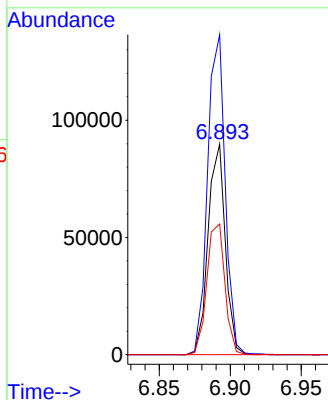
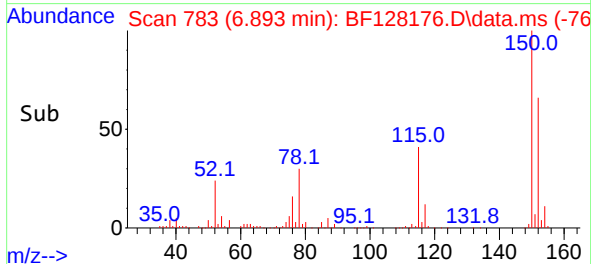
Instrument :
BNA_F
ClientSampleId :
TP-1



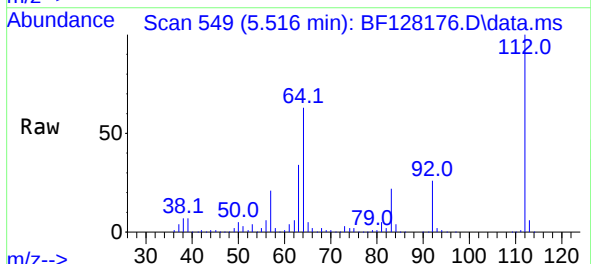
Tgt Ion:152 Resp: 7566
Ion Ratio Lower Upper
152 100
150 152.0 125.3 187.9
115 62.1 48.8 73.2

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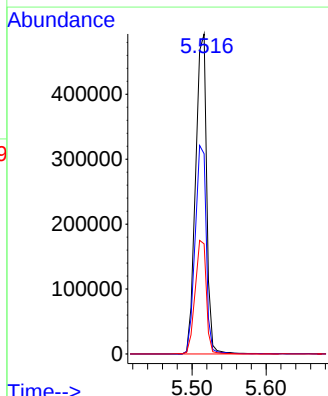
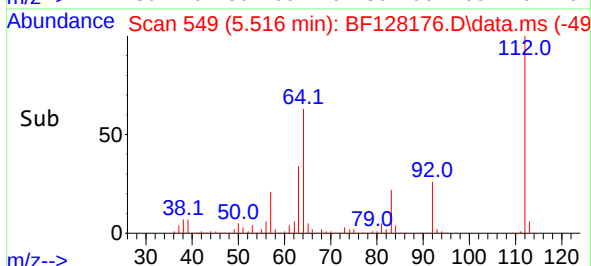
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

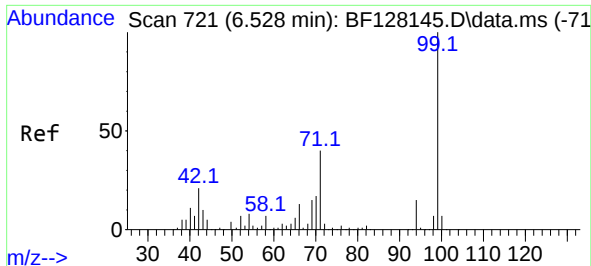


#5
2-Fluorophenol
Concen: 107.364 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.000 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53



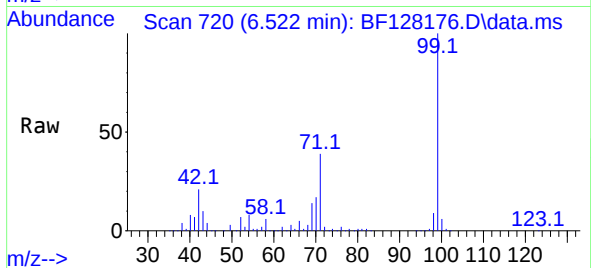
Tgt Ion:112 Resp: 509614
Ion Ratio Lower Upper
112 100
64 62.6 49.5 74.3
63 34.4 26.3 39.5





#7
Phenol-d6
Concen: 107.460 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

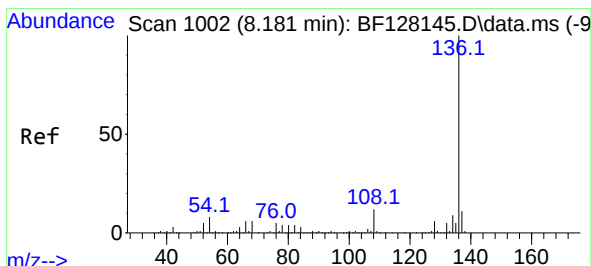
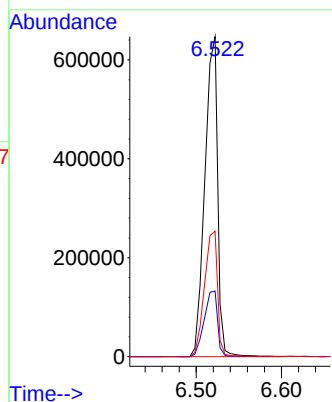
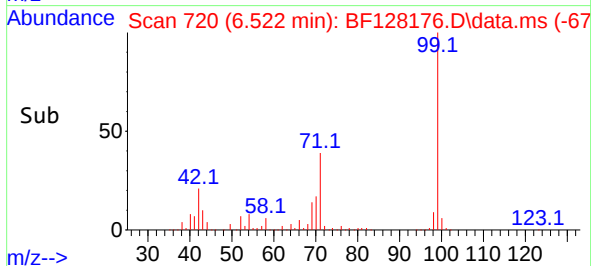
Instrument :
BNA_F
ClientSampleId :
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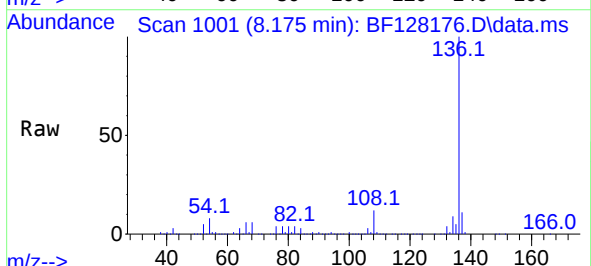
Tgt Ion: 99 Resp: 67464
Ion Ratio Lower Upper
99 100
42 20.5 16.6 24.8
71 39.2 30.0 45.0

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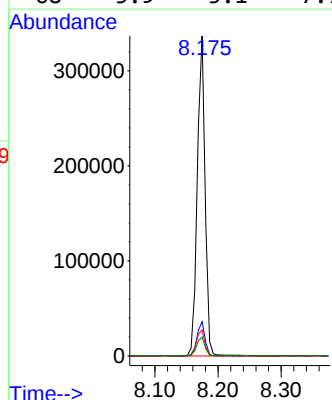
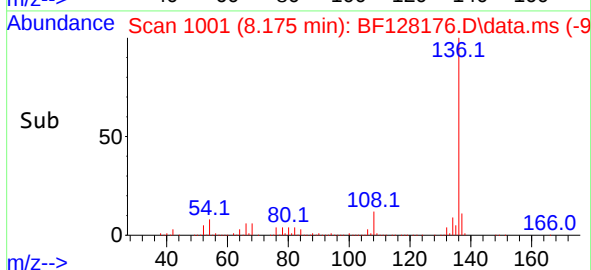
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

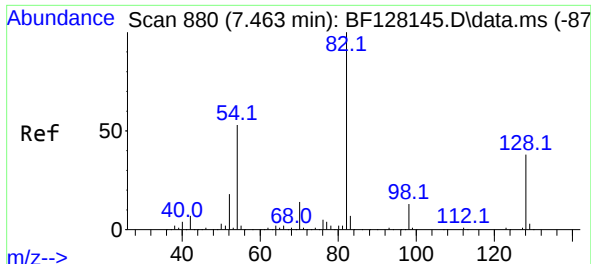


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53



Tgt Ion:136 Resp: 289045
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.1 6.8 10.2
68 5.9 5.1 7.7





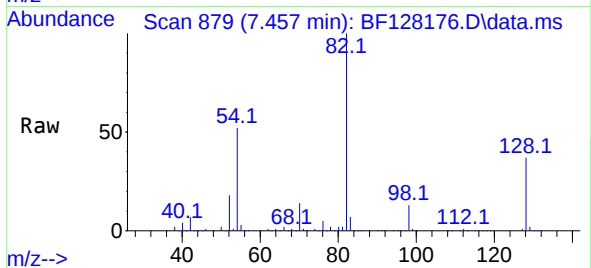
#23
Nitrobenzene-d5
Concen: 74.121 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Instrument :

BNA_F

ClientSampleId :

TP-1

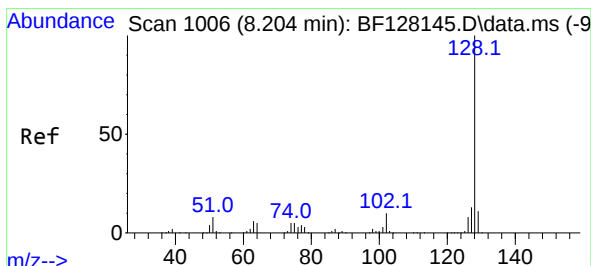
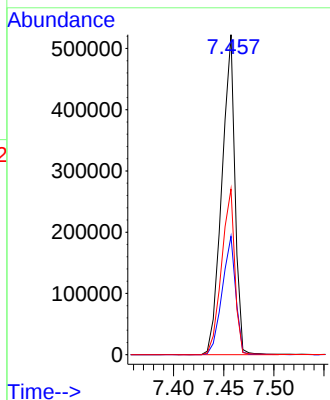
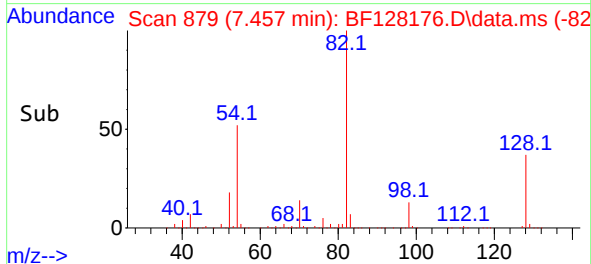


Tgt Ion: 82 Resp: 476130
Ion Ratio Lower Upper
82 100
128 37.0 30.0 45.0
54 51.8 41.3 61.9

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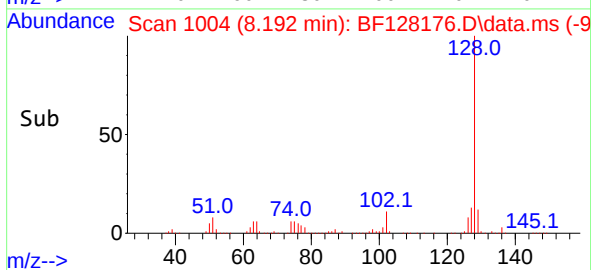
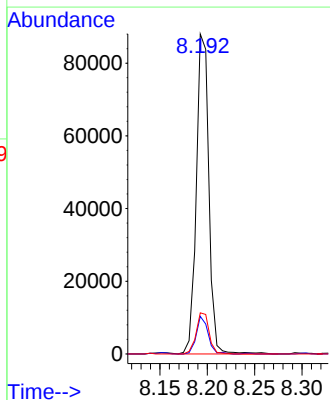
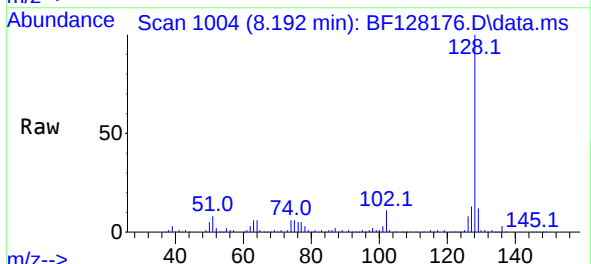
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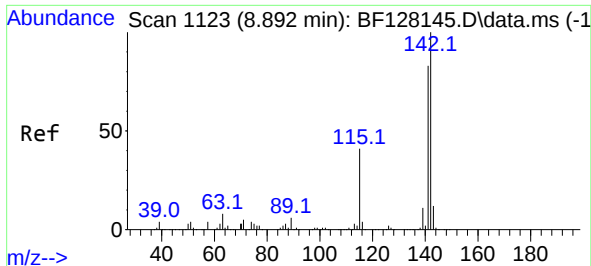
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#31
Naphthalene
Concen: 5.696 ng
RT: 8.192 min Scan# 1004
Delta R.T. -0.012 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion:128 Resp: 81316
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.4
127 12.9 10.6 16.0





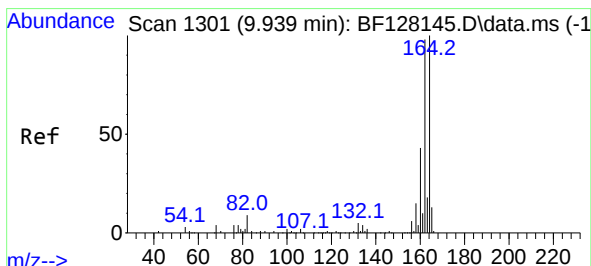
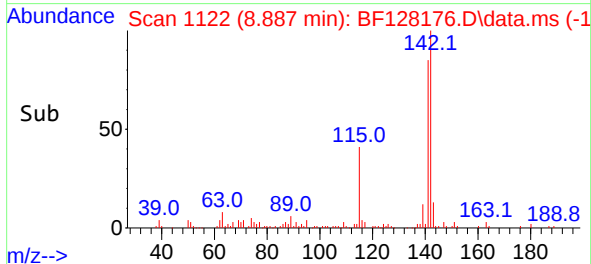
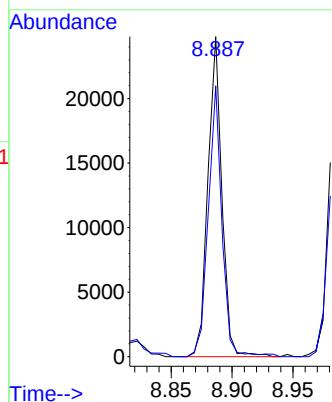
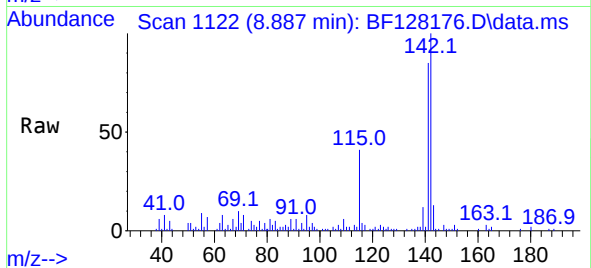
#37
2-Methylnaphthalene
Concen: 2.049 ng
RT: 8.887 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:142 Resp: 1972
Ion Ratio Lower Upper
142 100
141 84.6 67.4 101.2

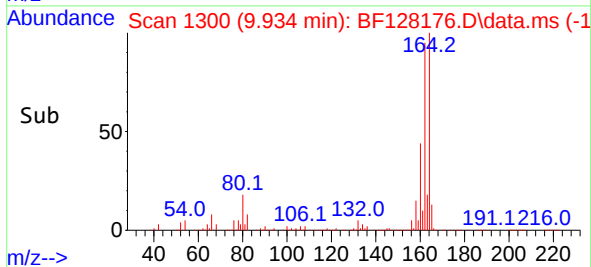
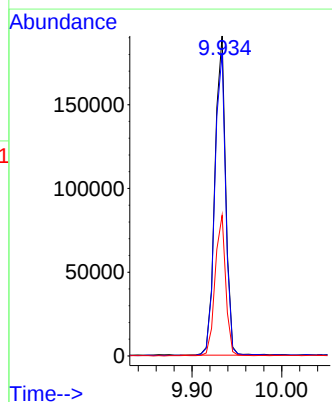
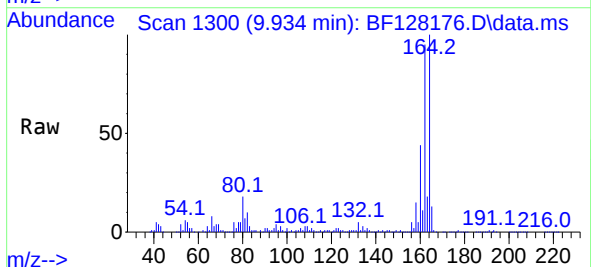
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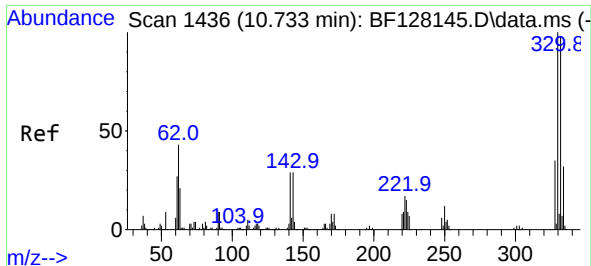
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1300
Delta R.T. -0.005 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion:164 Resp: 159666
Ion Ratio Lower Upper
164 100
162 94.8 76.0 114.0
160 43.9 34.8 52.2





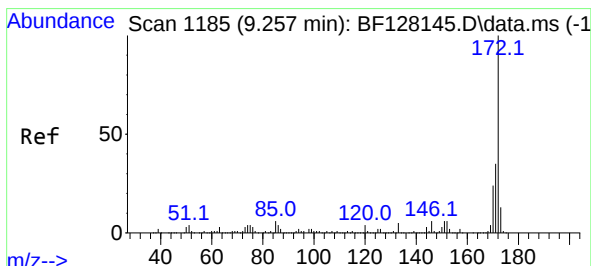
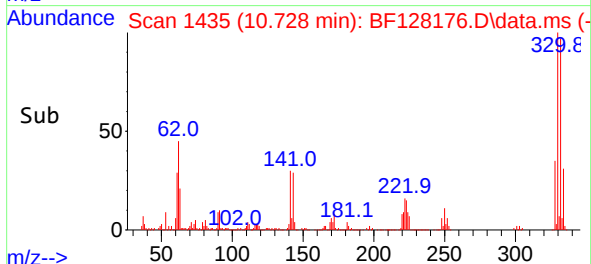
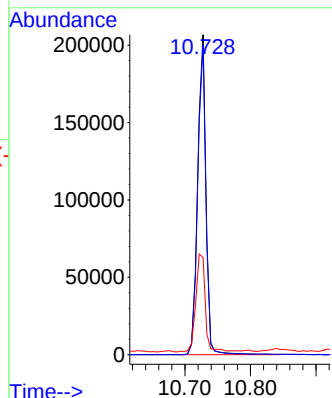
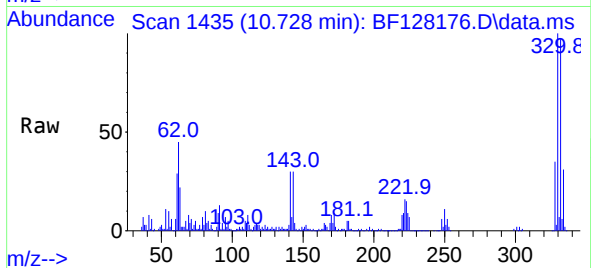
#42
2,4,6-Tribromophenol
Concen: 99.425 ng
RT: 10.728 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:330 Resp: 182064
Ion Ratio Lower Upper
330 100
332 95.9 79.0 118.4
141 35.1 28.9 43.3

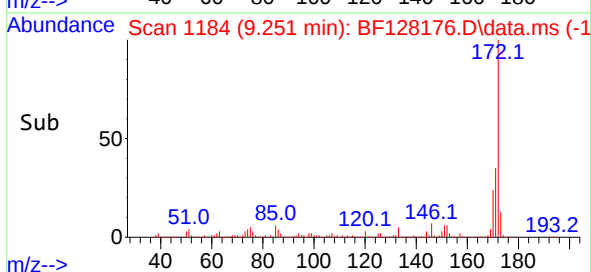
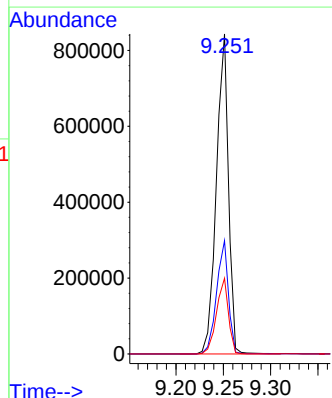
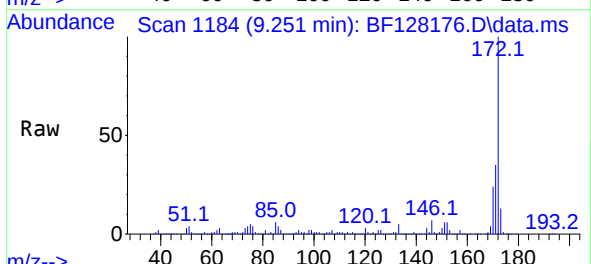
Manual Integrations
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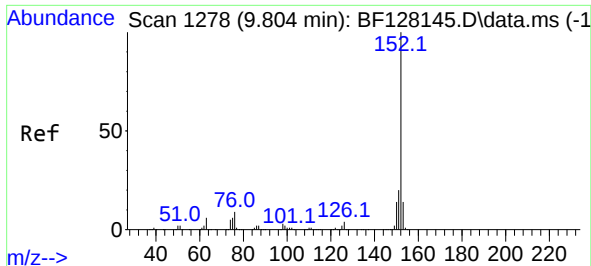
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#45
2-Fluorobiphenyl
Concen: 72.991 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion:172 Resp: 744826
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.6 19.1 28.7





#49

Acenaphthylene

Concen: 3.261 ng

RT: 9.792 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF128176.D

Acq: 10 May 2022 22:53

Instrument :

BNA_F

ClientSampleId :

TP-1

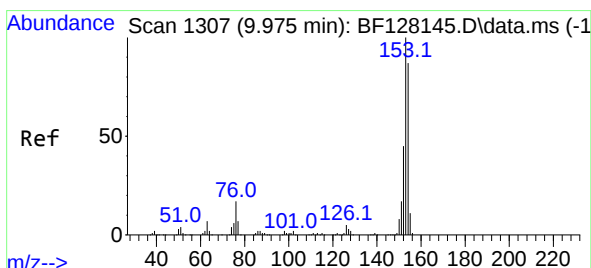
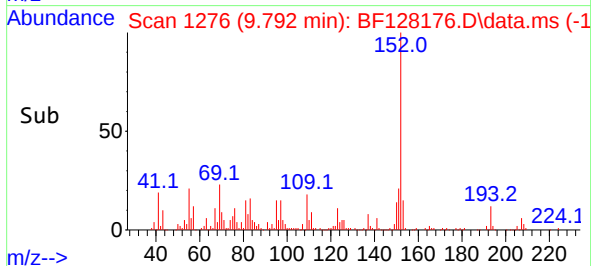
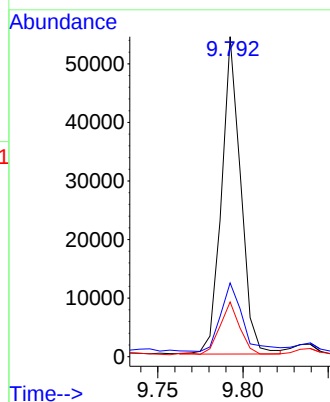
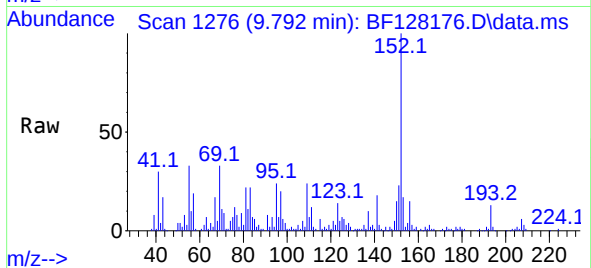
Tgt Ion:152	Resp:	4249
Ion Ratio	Lower	Upper
152	100	
151	23.1	16.2 24.2
153	17.1	11.2 16.8

Manual Integrations

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Reviewed By :Christian Giraldo 05/11/2022

Supervised By :Jagrut Upadhyay 05/11/2022



#52

Acenaphthene

Concen: 6.136 ng

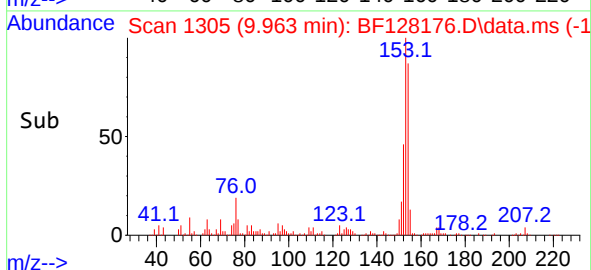
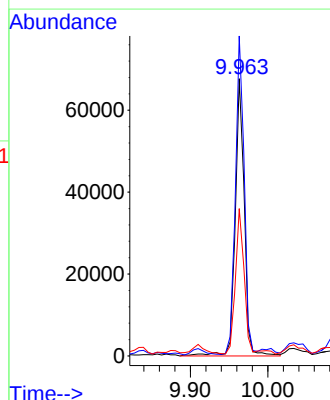
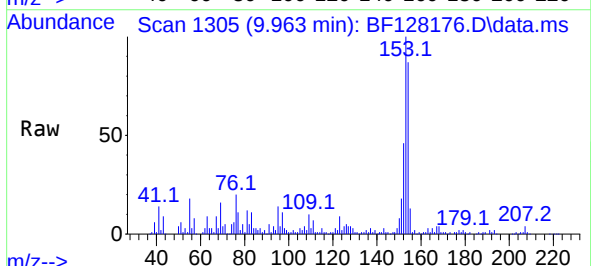
RT: 9.963 min Scan# 1305

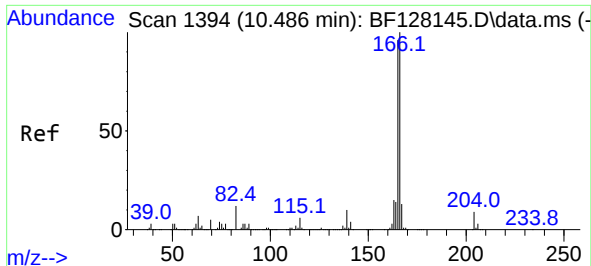
Delta R.T. -0.012 min

Lab File: BF128176.D

Acq: 10 May 2022 22:53

Tgt Ion:154	Resp:	55436
Ion Ratio	Lower	Upper
154	100	
153	115.4	90.5 135.7
152	53.2	41.0 61.6





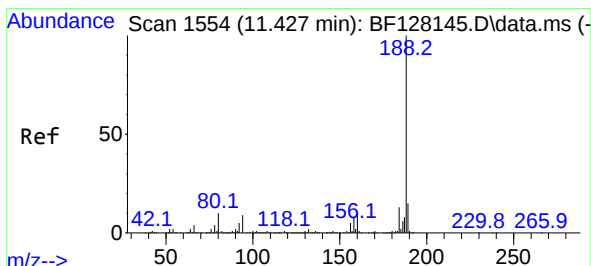
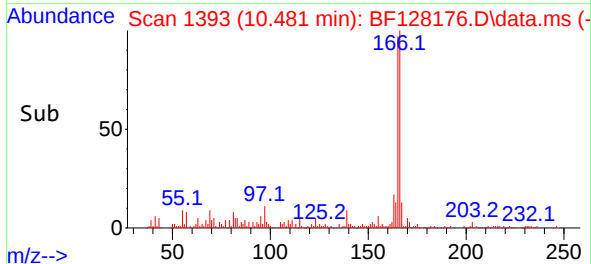
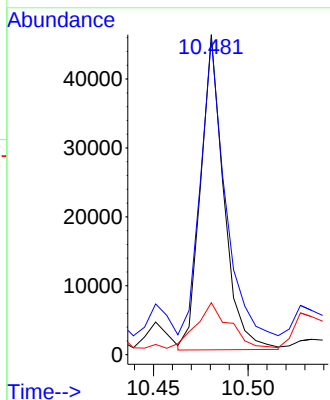
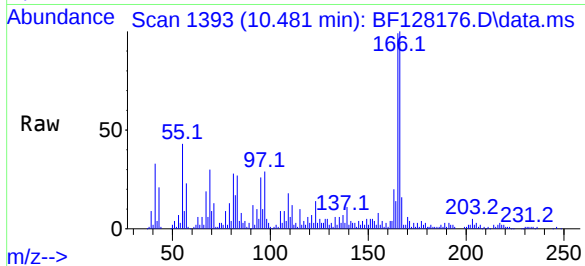
#58
Fluorene
Concen: 3.871 ng
RT: 10.481 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:166 Resp: 3867
Ion Ratio Lower Upper
166 100
165 98.8 78.6 117.8
167 16.3 10.5 15.7

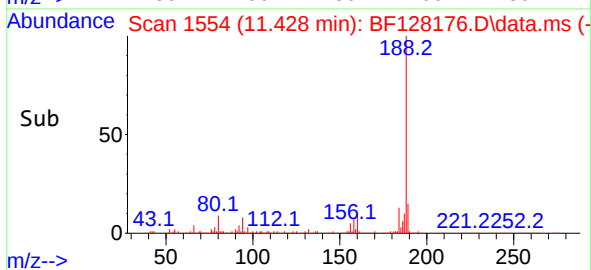
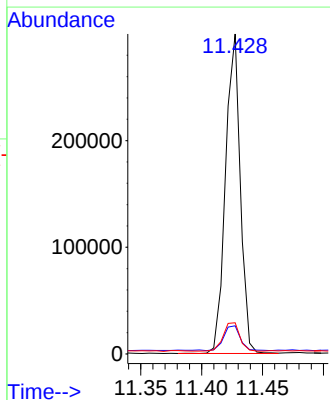
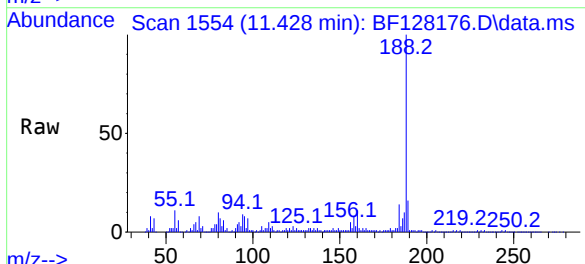
Manual Integrations
APPROVED

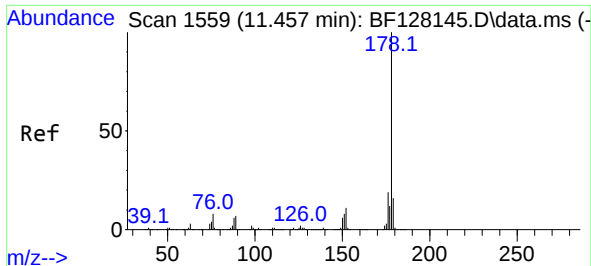
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

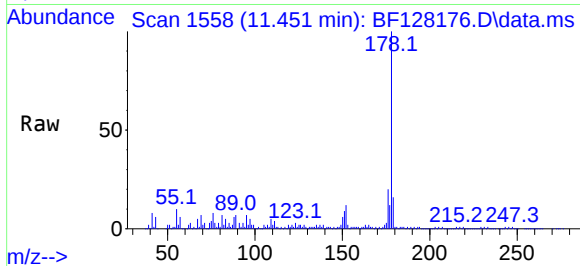
Tgt Ion:188 Resp: 253411
Ion Ratio Lower Upper
188 100
94 8.8 8.0 12.0
80 9.8 8.9 13.3





#71
Phenanthrene
Concen: 19.338 ng
RT: 11.451 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

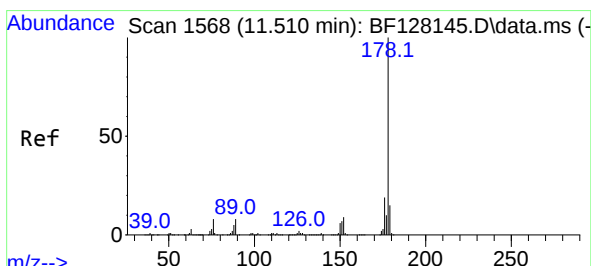
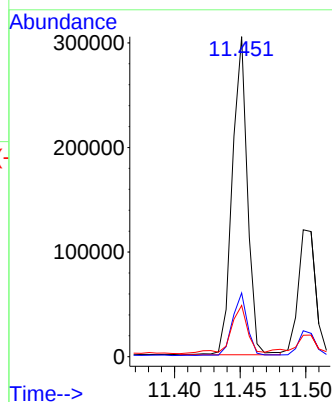
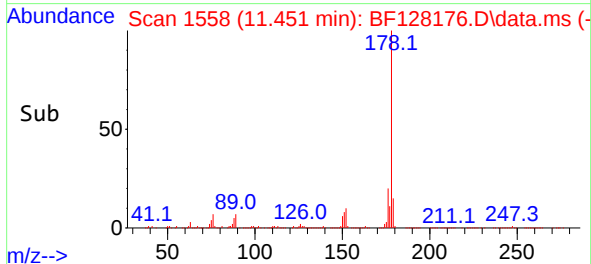
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:178 Resp: 24401
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 16.0 12.6 19.0

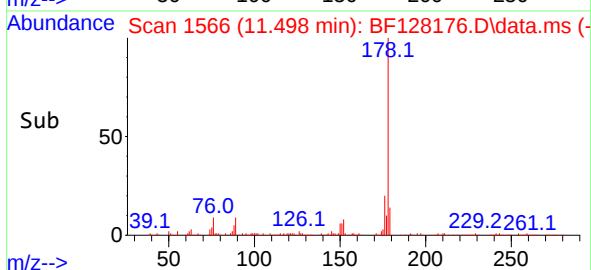
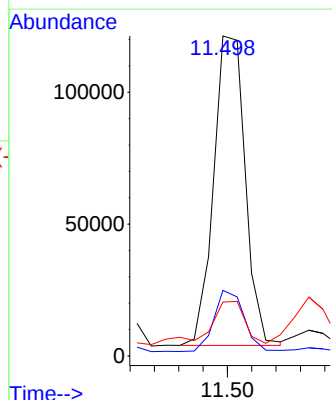
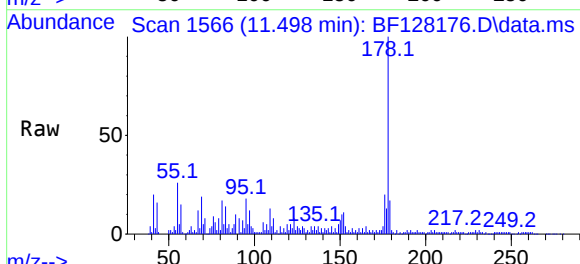
Manual Integrations
APPROVED

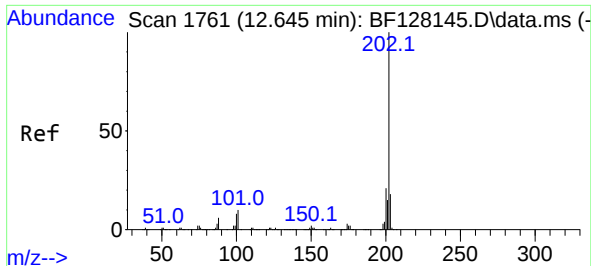
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#72
Anthracene
Concen: 8.391 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

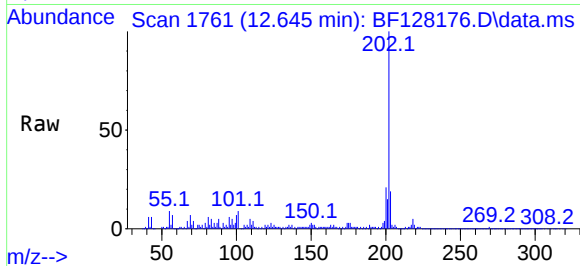
Tgt Ion:178 Resp: 105714
Ion Ratio Lower Upper
178 100
176 20.5 15.0 22.6
179 16.9 12.4 18.6





#75
Fluoranthene
Concen: 20.203 ng
RT: 12.645 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

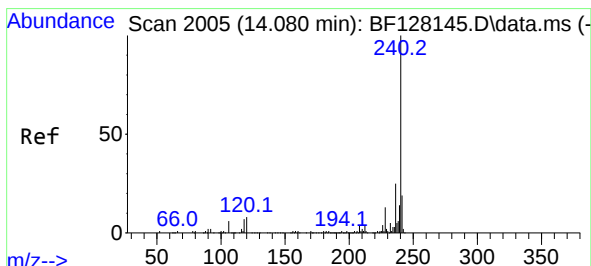
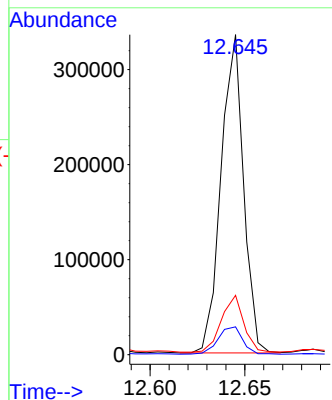
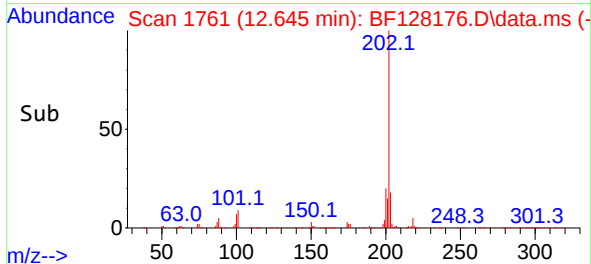
Instrument :
BNA_F
ClientSampleId :
TP-1



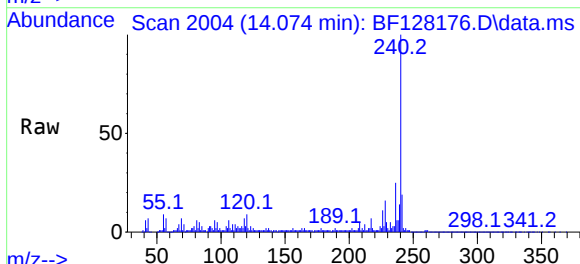
Tgt Ion:202 Resp: 276384
Ion Ratio Lower Upper
202 100
101 8.7 0.0 31.6
203 18.6 0.0 38.1

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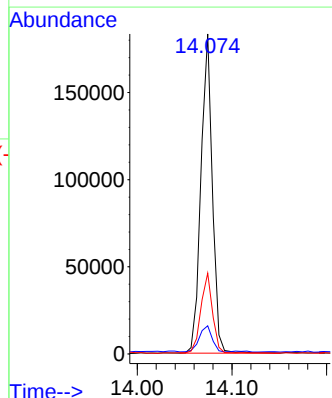
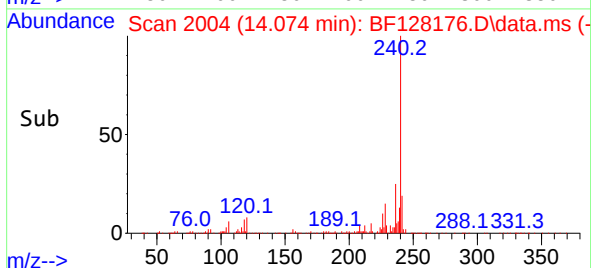
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

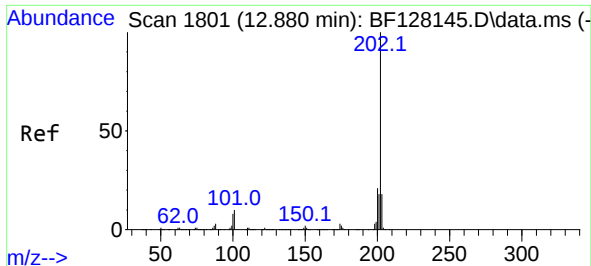


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53



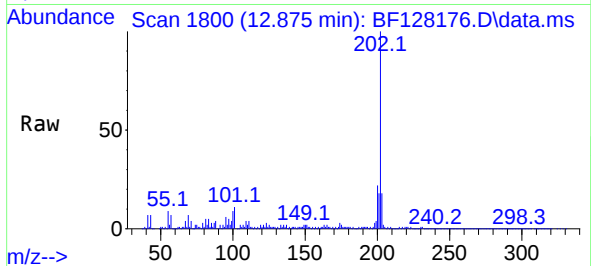
Tgt Ion:240 Resp: 153623
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.6
236 25.3 20.3 30.5





#78
Pyrene
Concen: 26.433 ng
RT: 12.875 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

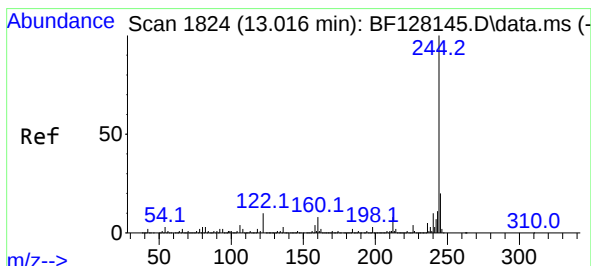
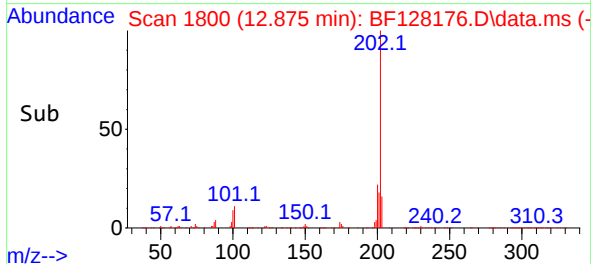
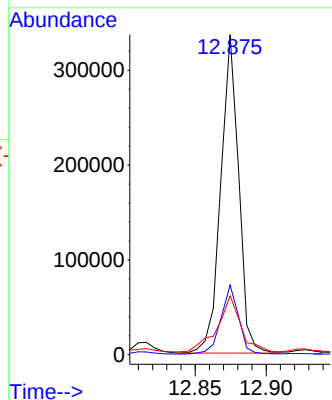
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 294435
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 18.4 14.0 21.0

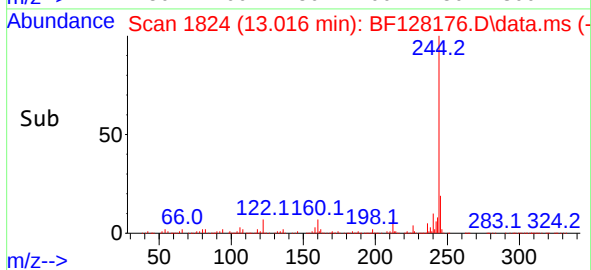
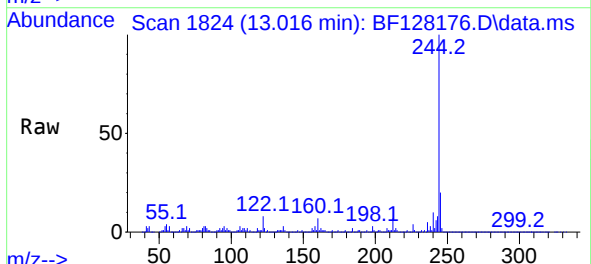
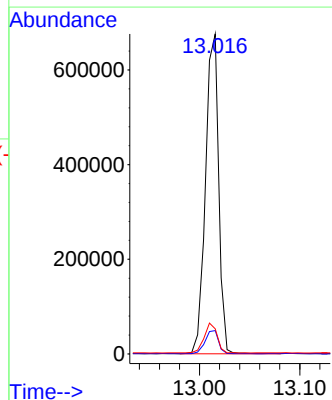
Manual Integrations
APPROVED

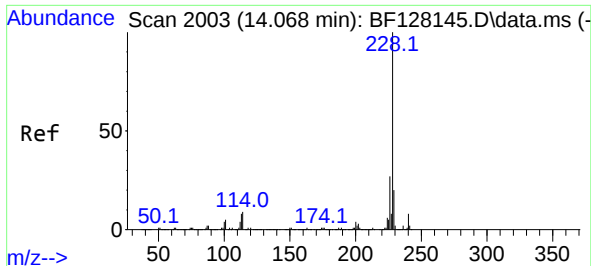
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#79
Terphenyl-d14
Concen: 75.745 ng
RT: 13.016 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

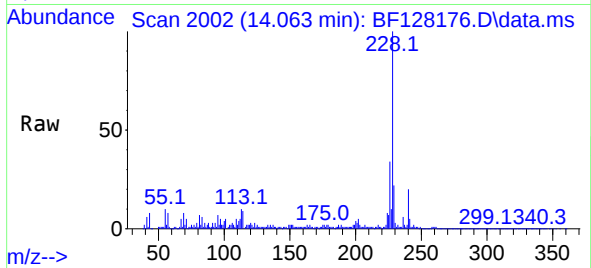
Tgt Ion:244 Resp: 620124
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.4
122 7.8 8.6 12.8#





#81
Benzo(a)anthracene
Concen: 14.855 ng m
RT: 14.063 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

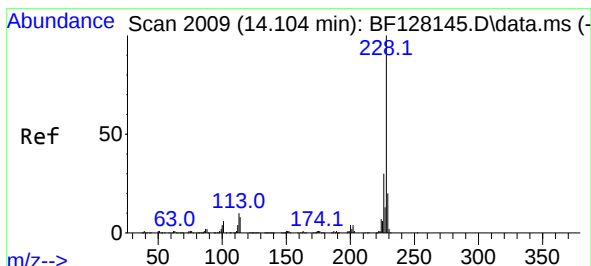
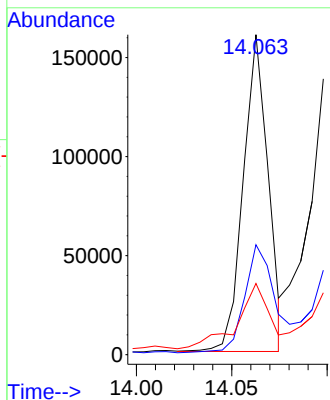
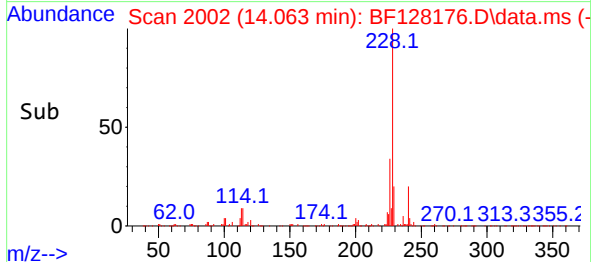
Instrument :
BNA_F
ClientSampleId :
TP-1



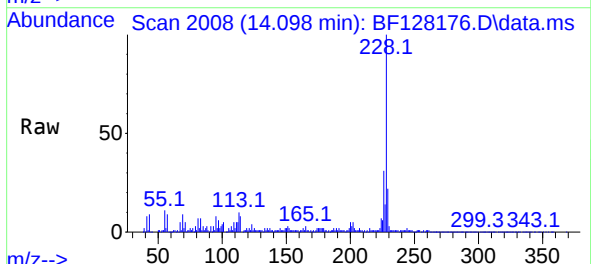
Tgt Ion:228 Resp: 145768
Ion Ratio Lower Upper
228 100
226 34.4 21.7 32.5
229 22.3 15.4 23.2

Manual Integrations
APPROVED

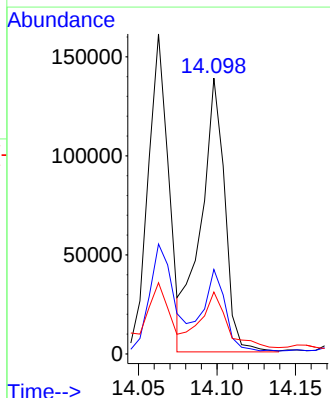
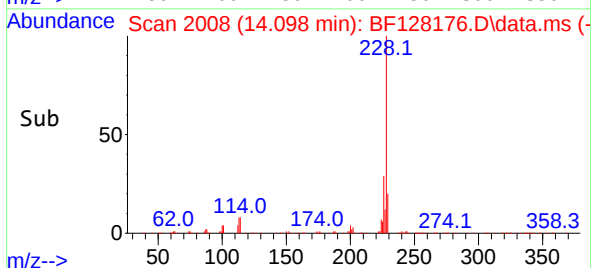
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

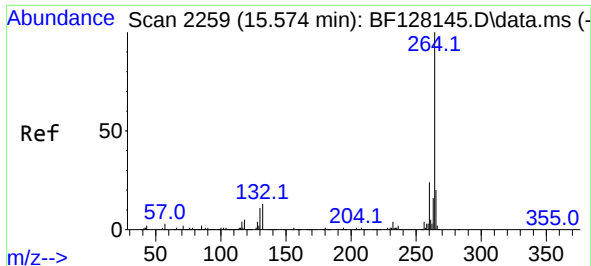


#83
Chrysene
Concen: 15.701 ng m
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53



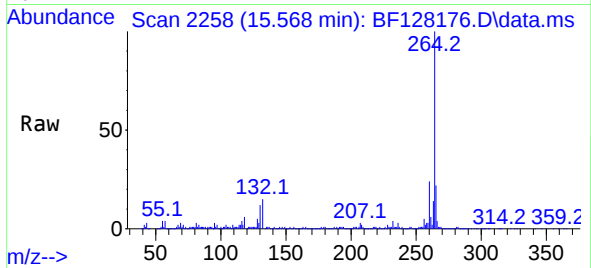
Tgt Ion:228 Resp: 147005
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.5 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

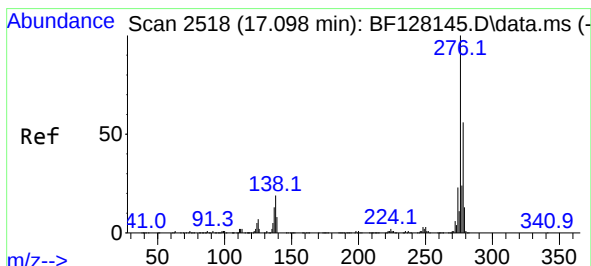
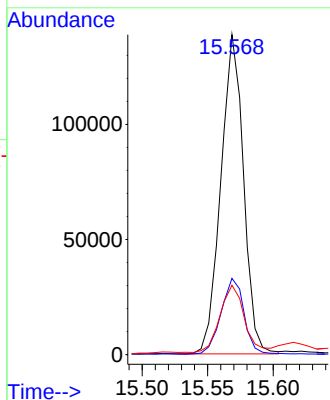
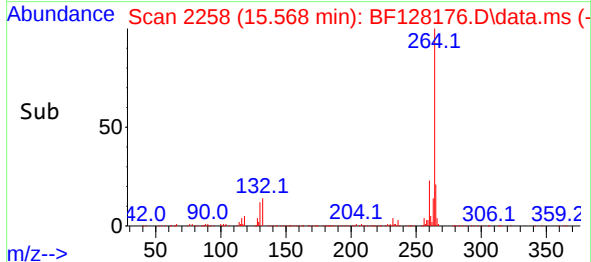
Instrument :
BNA_F
ClientSampleId :
TP-1



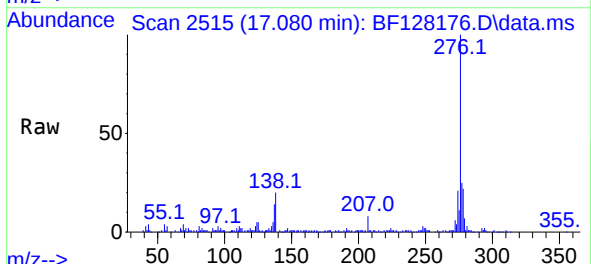
Tgt Ion:264 Resp: 166734
Ion Ratio Lower Upper
264 100
260 23.8 20.1 30.1
265 21.7 17.5 26.3

Manual Integrations
APPROVED

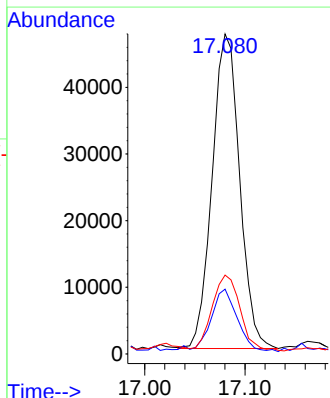
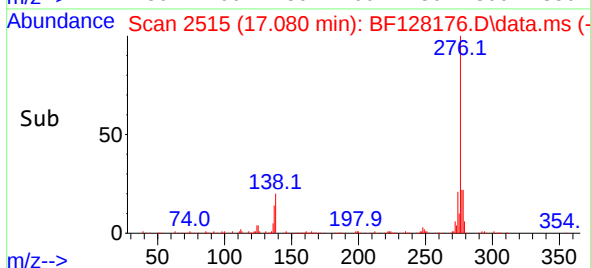
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

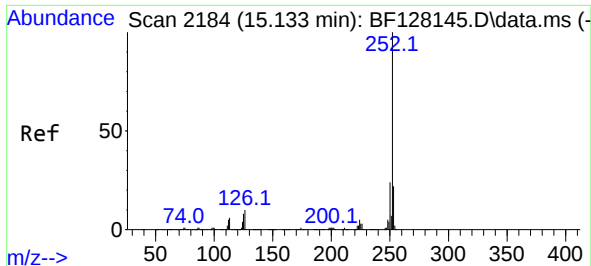


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.917 ng
RT: 17.080 min Scan# 2515
Delta R.T. -0.018 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53



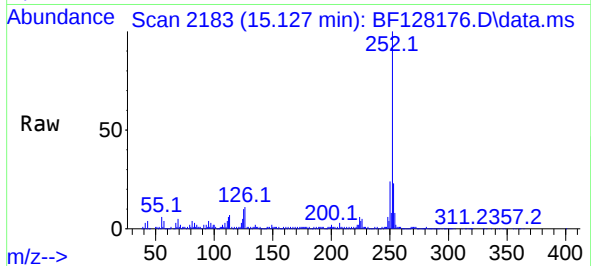
Tgt Ion:276 Resp: 89941
Ion Ratio Lower Upper
276 100
138 18.5 19.0 28.4#
277 24.6 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 19.253 ng m
RT: 15.127 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

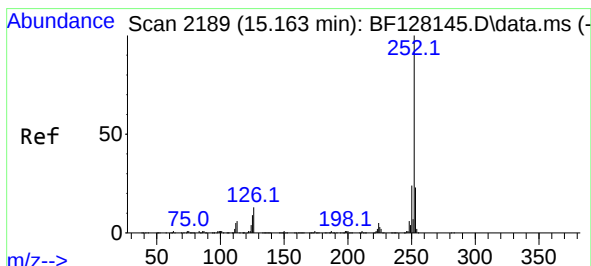
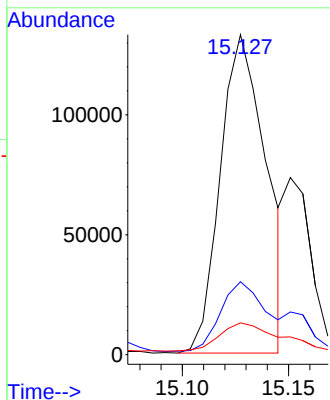
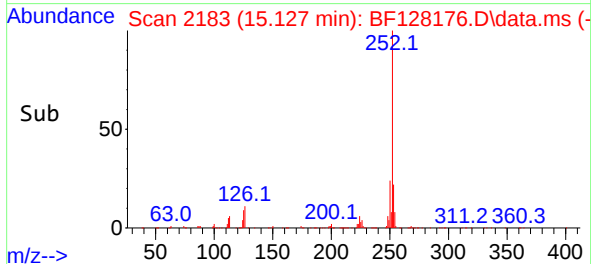
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:252 Resp: 198990
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 9.9 7.4 11.2

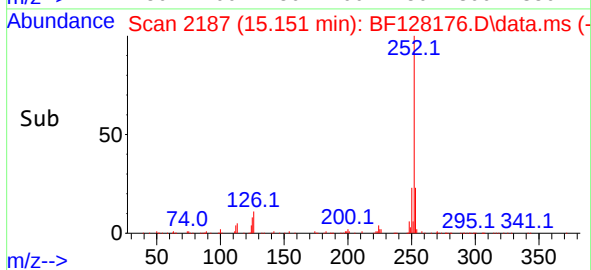
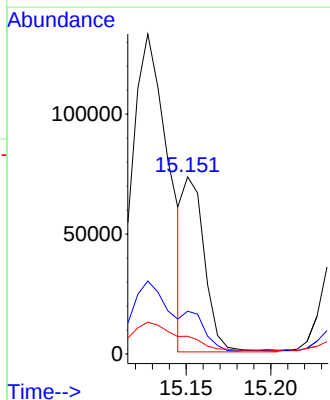
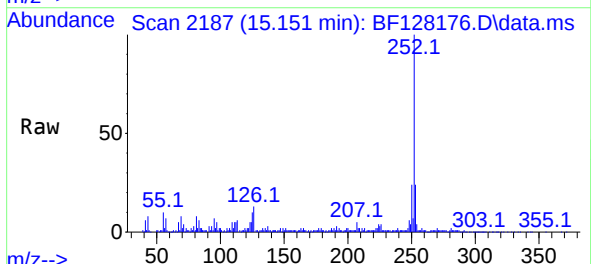
Manual Integrations
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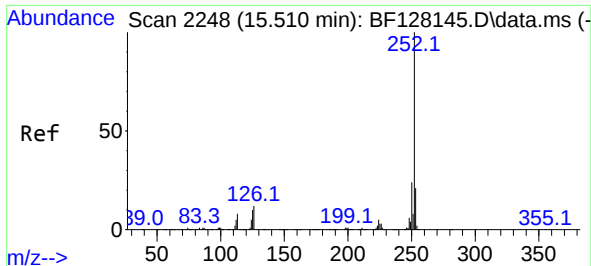
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#89
Benzo(k)fluoranthene
Concen: 6.205 ng m
RT: 15.151 min Scan# 2187
Delta R.T. -0.012 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion:252 Resp: 63310
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.4
125 10.0 6.8 10.2





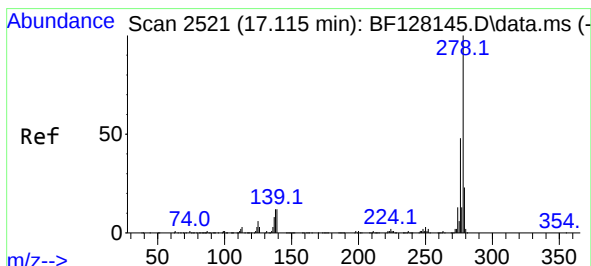
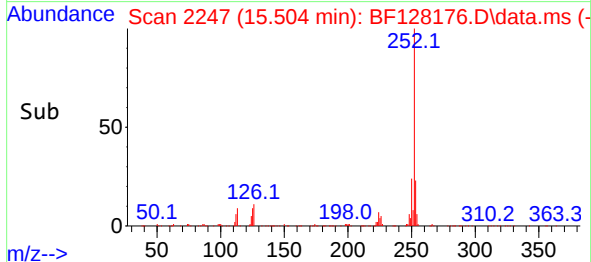
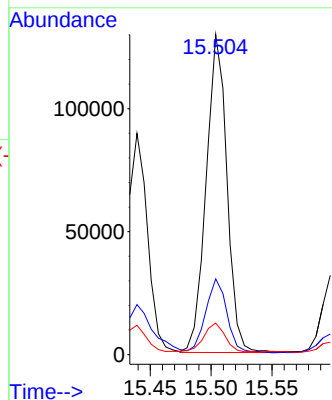
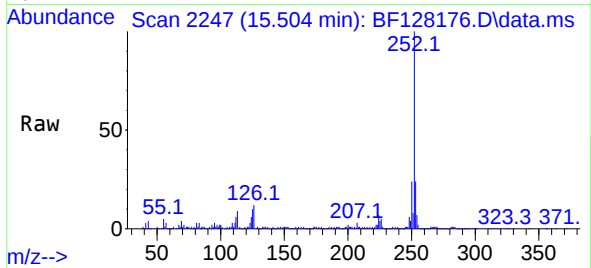
#90
Benzo(a)pyrene
Concen: 18.365 ng
RT: 15.504 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:252 Resp: 153240
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 9.9 9.2 13.8

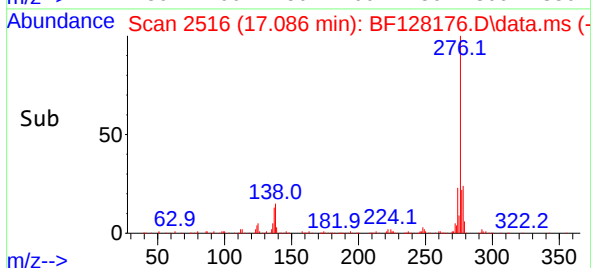
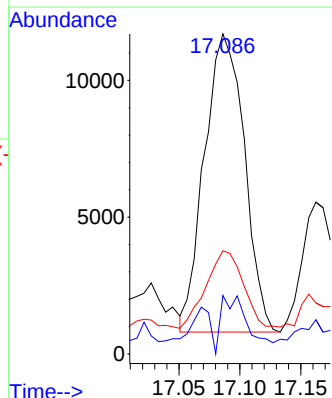
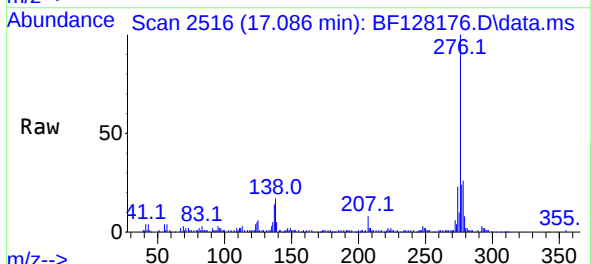
Manual Integrations
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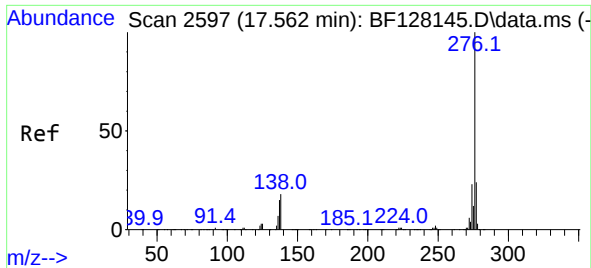
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.049 ng
RT: 17.086 min Scan# 2516
Delta R.T. -0.029 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

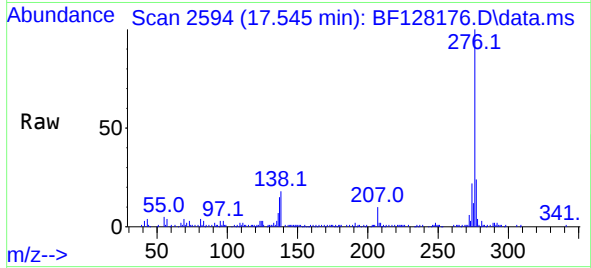
Tgt Ion:278 Resp: 24900
Ion Ratio Lower Upper
278 100
139 18.2 12.6 19.0
279 32.3 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 9.910 ng
 RT: 17.545 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF128176.D
 Acq: 10 May 2022 22:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-1



Tgt Ion: 276 Resp: 8193

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	18.2	16.2	24.2

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

