

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128444.D
 Acq On : 24 May 2022 19:42
 Operator : CG\JU
 Sample : N2981-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14(3.5-4)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/25/2022
 Supervised By : Jagrut Upadhyay 05/25/2022

Quant Time: May 25 03:56:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 03:52:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	88100	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	327194	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	157523	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	235905	20.000	ng	0.00
76) Chrysene-d12	14.027	240	183950	20.000	ng	0.00
86) Perylene-d12	15.510	264	140114	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	330954	59.781	ng	0.00
7) Phenol-d6	6.487	99	604850	82.971	ng	0.00
23) Nitrobenzene-d5	7.410	82	450752	61.725	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	21321	13.124	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	663708	68.903	ng	0.00
79) Terphenyl-d14	12.963	244	565291	59.323	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	224106	19.466	ng	99
72) Anthracene	11.451	178	55425	4.844	ng	99
73) Carbazole	11.616	167	29576	2.592	ng	98
75) Fluoranthene	12.592	202	394146	31.613	ng	99
78) Pyrene	12.827	202	415242	30.149	ng	99
81) Benzo(a)anthracene	14.016	228	223222	19.073	ng	99
83) Chrysene	14.051	228	183652	16.476	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	65538	8.195	ng	96
88) Benzo(b)fluoranthene	15.074	252	194789m	22.348	ng	
89) Benzo(k)fluoranthene	15.098	252	62550m	7.662	ng	
90) Benzo(a)pyrene	15.445	252	121211	17.324	ng	99
91) Dibenzo(a,h)anthracene	17.009	278	19625m	3.058	ng	
92) Benzo(g,h,i)perylene	17.468	276	59881	8.945	ng	99

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

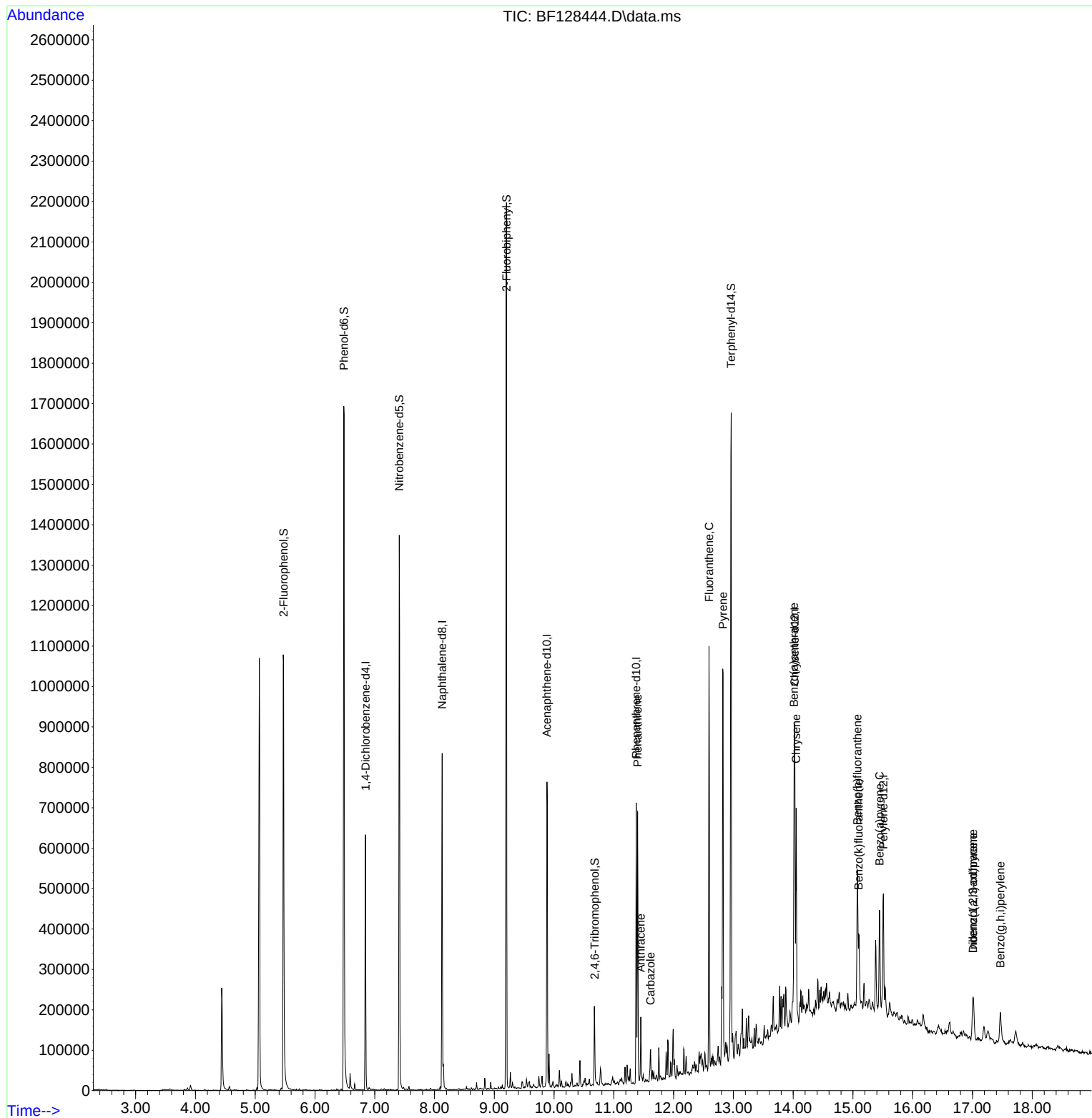
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
Data File : BF128444.D
Acq On : 24 May 2022 19:42
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ALS Vial : 17 Sample Multiplier: 1

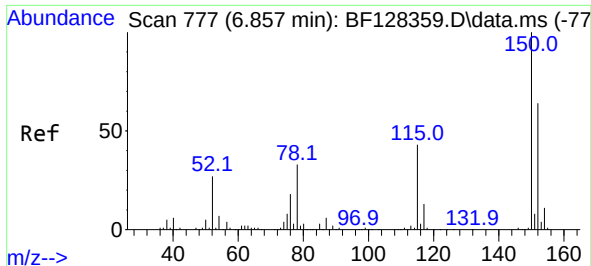
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Quant Time: May 25 03:56:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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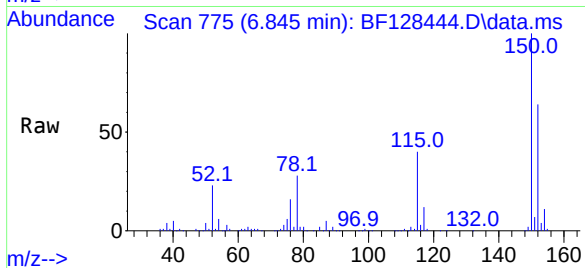
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

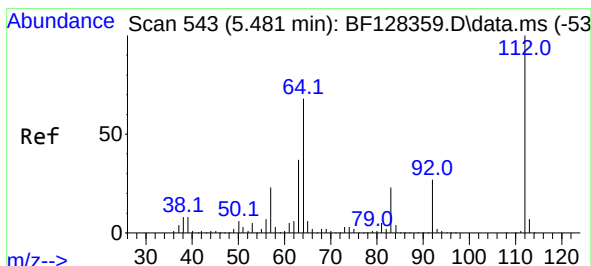
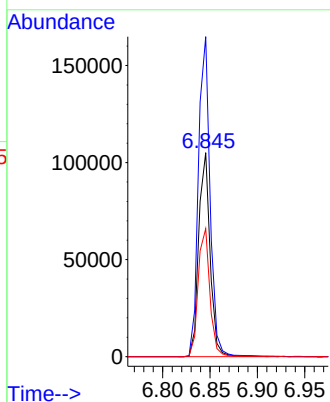
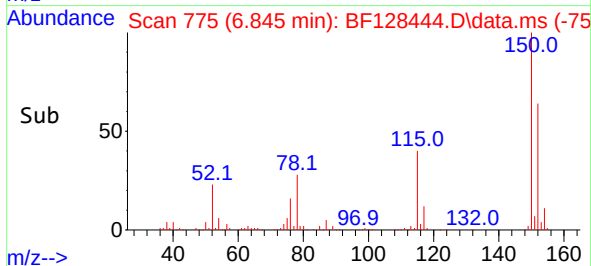
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BNA_F
ClientSampleId :
SB-14(3.5-4)



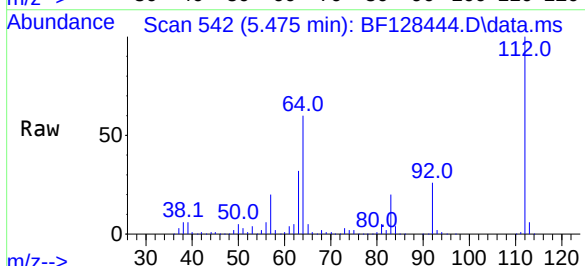
Tgt Ion:152 Resp: 88100
Ion Ratio Lower Upper
152 100
150 156.8 125.3 187.9
115 62.7 48.8 73.2

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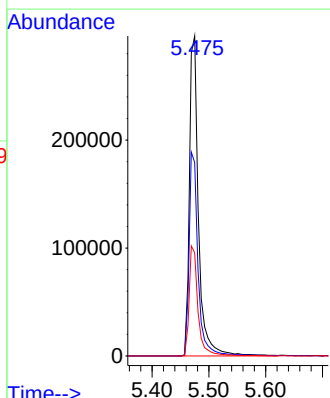
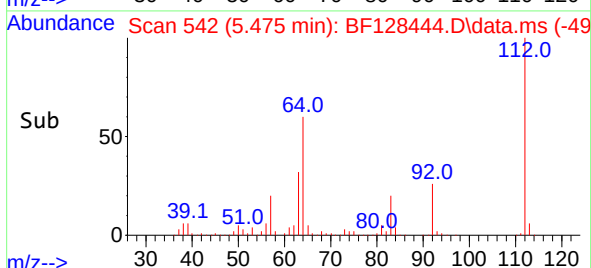
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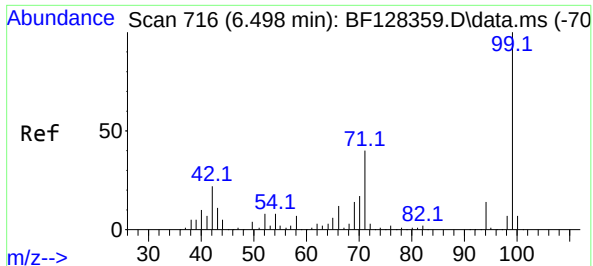


#5
2-Fluorophenol
Concen: 59.781 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42



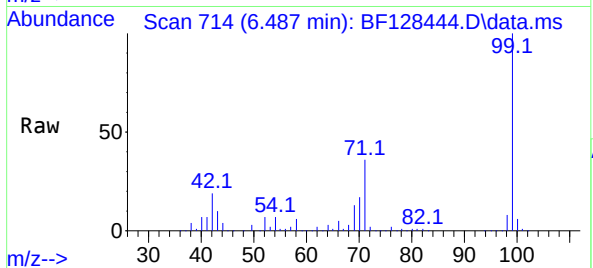
Tgt Ion:112 Resp: 330954
Ion Ratio Lower Upper
112 100
64 60.4 49.5 74.3
63 32.3 26.3 39.5





#7
Phenol-d6
Concen: 82.971 ng
RT: 6.487 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

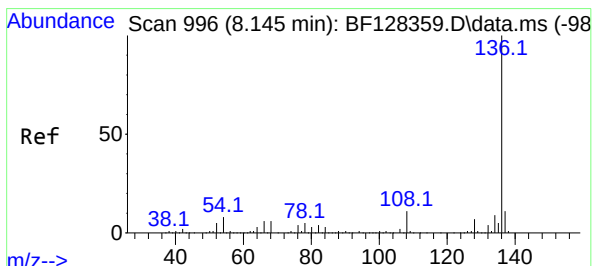
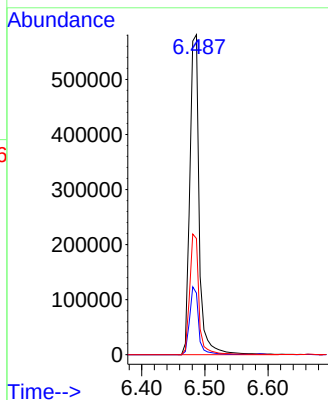
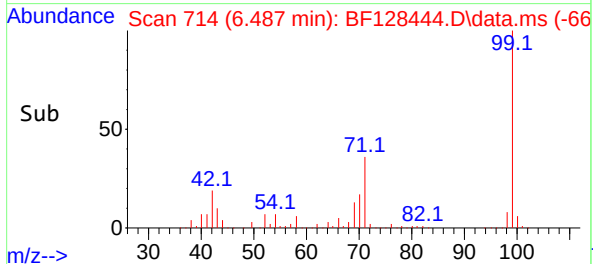
Instrument :
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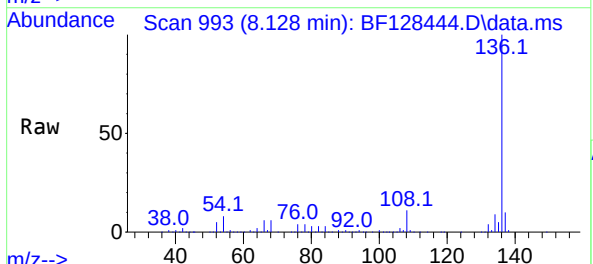
Tgt Ion: 99 Resp: 604850
Ion Ratio Lower Upper
99 100
42 19.2 16.6 24.8
71 36.3 30.0 45.0

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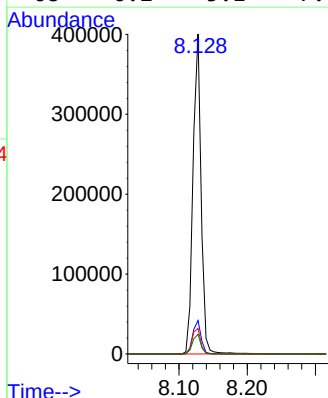
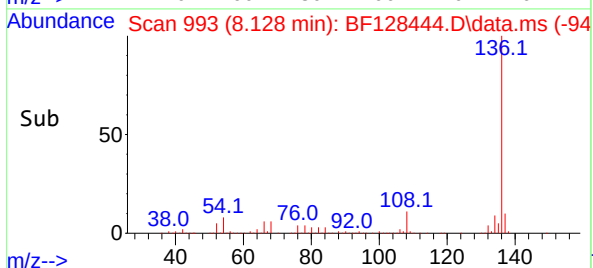
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

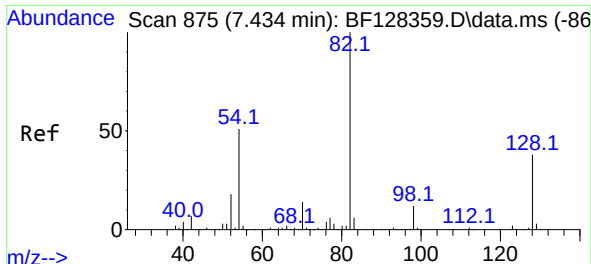


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42



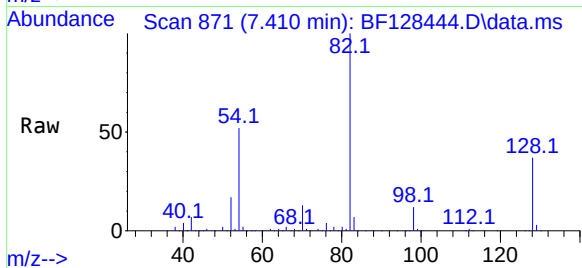
Tgt Ion:136 Resp: 327194
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 8.0 6.8 10.2
68 6.2 5.1 7.7





#23
Nitrobenzene-d5
Concen: 61.725 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

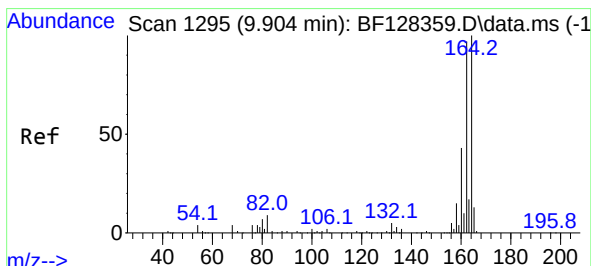
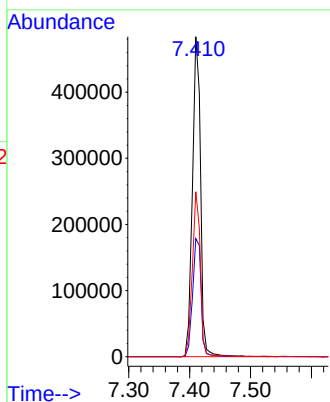
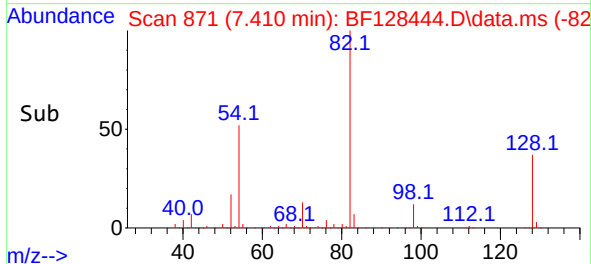
Instrument :
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Tgt Ion: 82 Resp: 450752
Ion Ratio Lower Upper
82 100
128 36.9 30.0 45.0
54 51.6 41.3 61.9

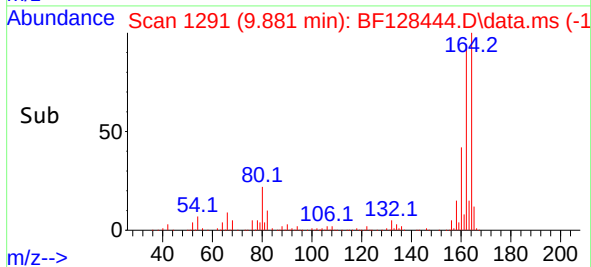
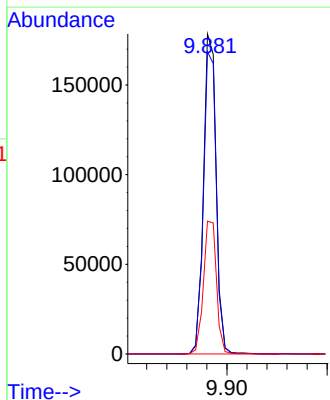
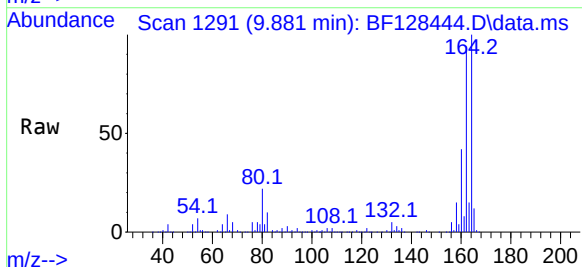
Manual Integrations
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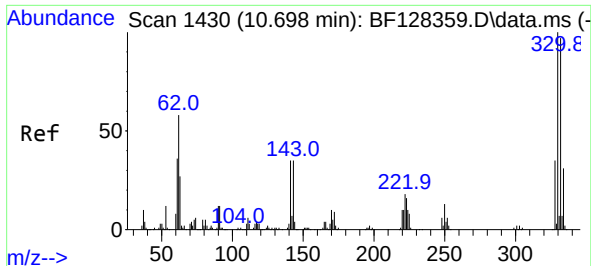
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Tgt Ion:164 Resp: 157523
Ion Ratio Lower Upper
164 100
162 94.4 76.0 114.0
160 41.5 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 13.124 ng
RT: 10.680 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Instrument :

BNA_F

ClientSampleId :

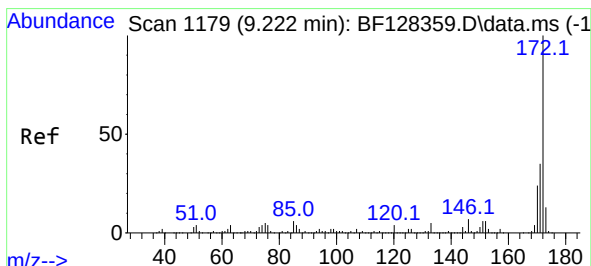
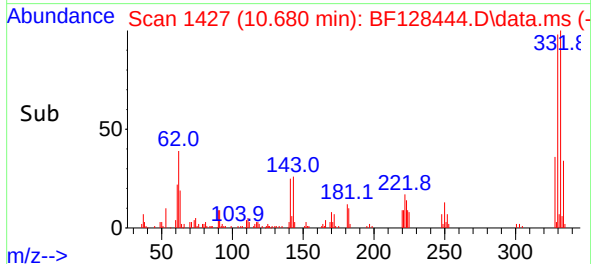
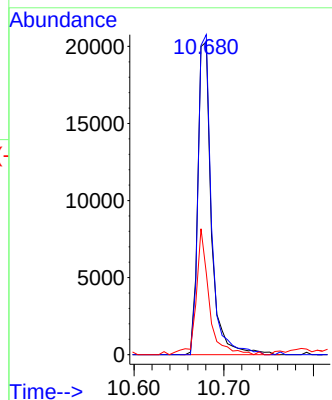
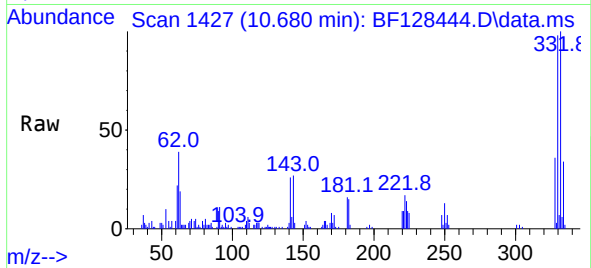
SB-14(3.5-4)

Tgt Ion: 330 Resp: 2132
Ion Ratio Lower Upper
330 100
332 100.3 79.0 118.4
141 38.2 28.9 43.3

Manual Integrations

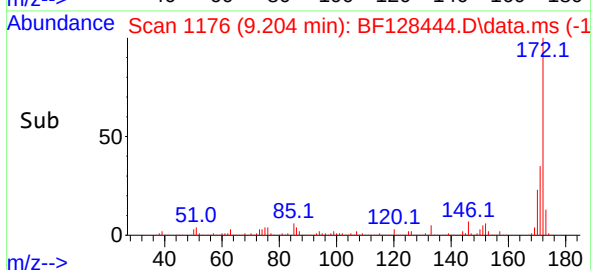
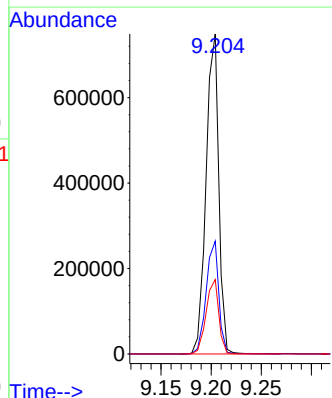
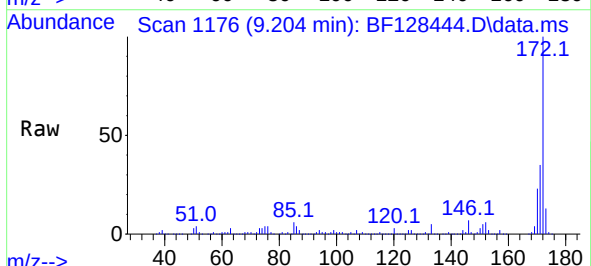
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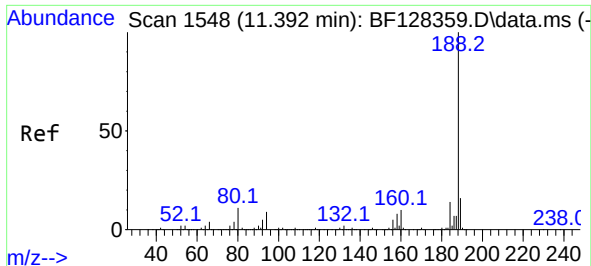
Reviewed By : Christian Giraldo 05/25/2022
Supervised By : Jagrut Upadhyay 05/25/2022



#45
2-Fluorobiphenyl
Concen: 68.903 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

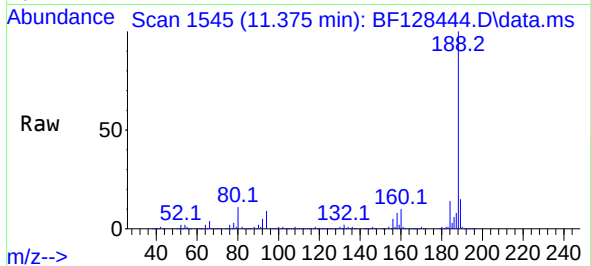
Tgt Ion: 172 Resp: 663708
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.2 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

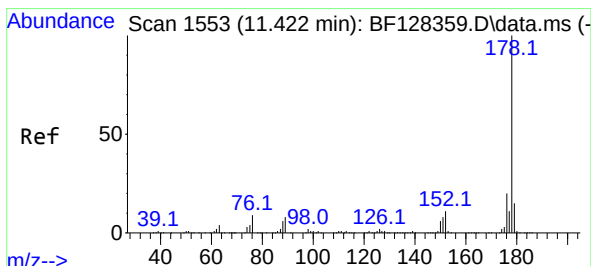
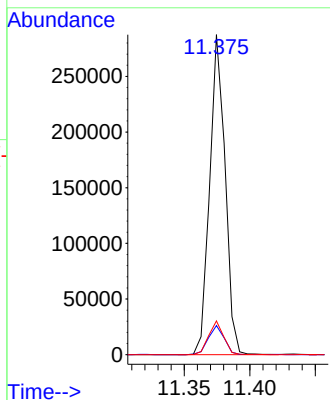
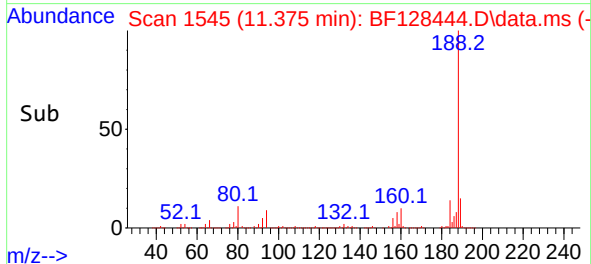
Instrument :
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SB-14(3.5-4)



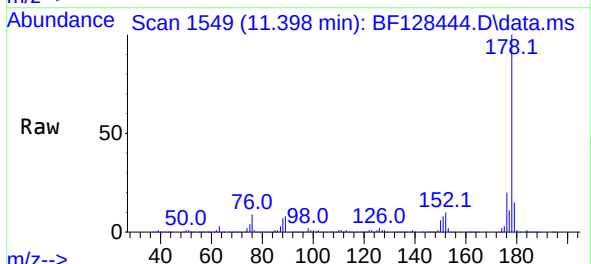
Tgt Ion:188 Resp: 23590
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 10.5 8.9 13.3

Manual Integrations
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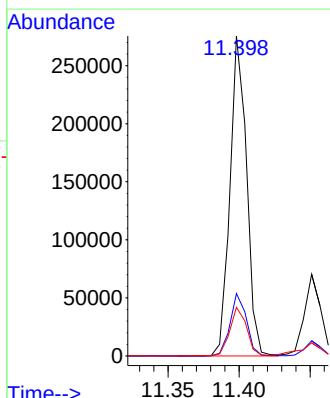
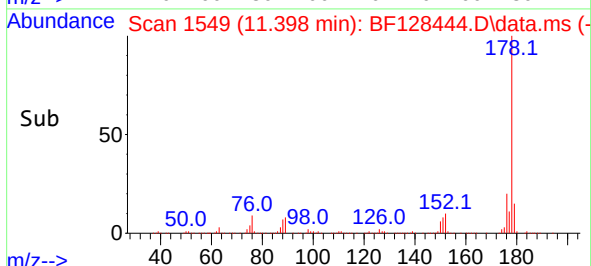
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

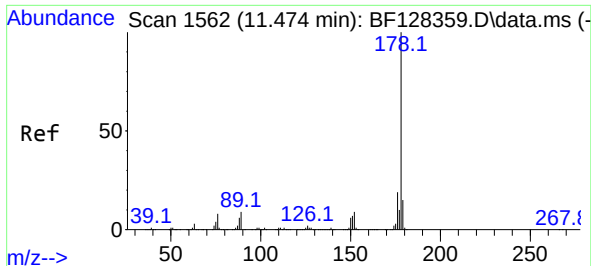


#71
Phenanthrene
Concen: 19.466 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42



Tgt Ion:178 Resp: 224106
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.2 12.6 19.0





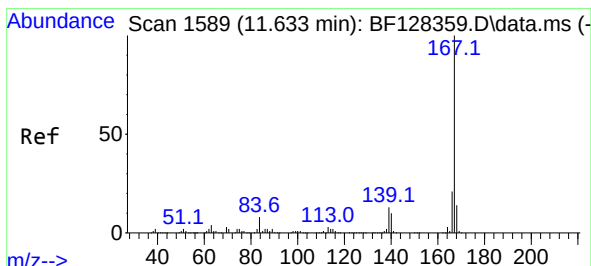
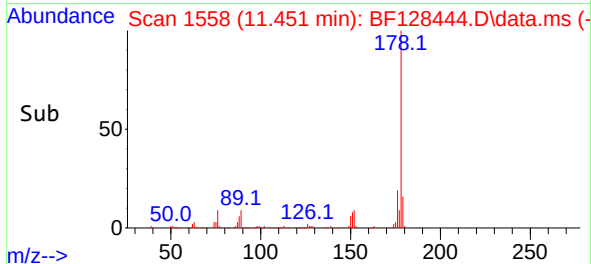
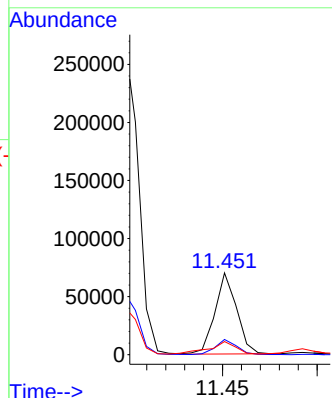
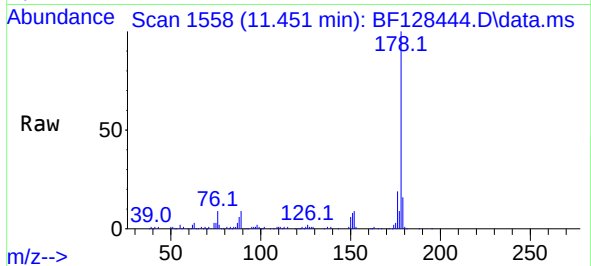
#72
 Anthracene
 Concen: 4.844 ng
 RT: 11.451 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128444.D
 Acq: 24 May 2022 19:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-14(3.5-4)

Tgt Ion:178 Resp: 5542
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 16.1 12.4 18.6

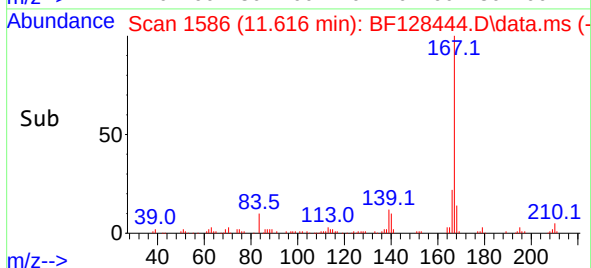
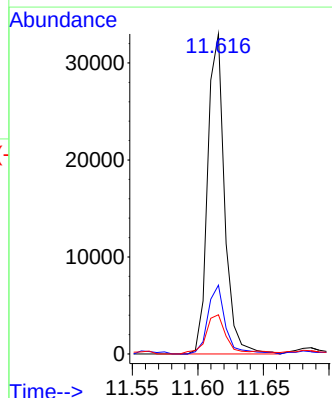
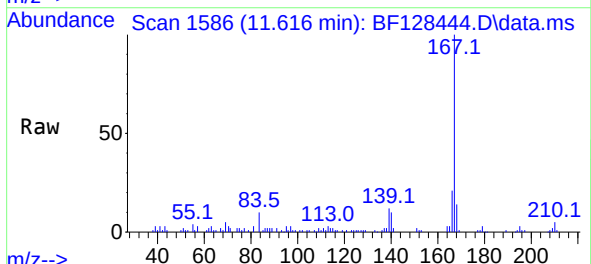
Manual Integrations
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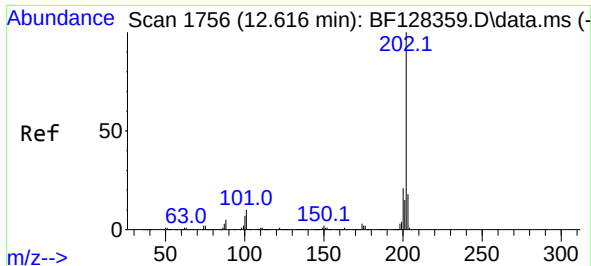
Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022



#73
 Carbazole
 Concen: 2.592 ng
 RT: 11.616 min Scan# 1586
 Delta R.T. -0.000 min
 Lab File: BF128444.D
 Acq: 24 May 2022 19:42

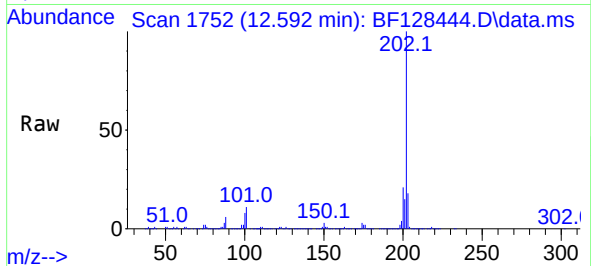
Tgt Ion:167 Resp: 29576
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.6 26.4
 139 12.2 10.7 16.1





#75
Fluoranthene
Concen: 31.613 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

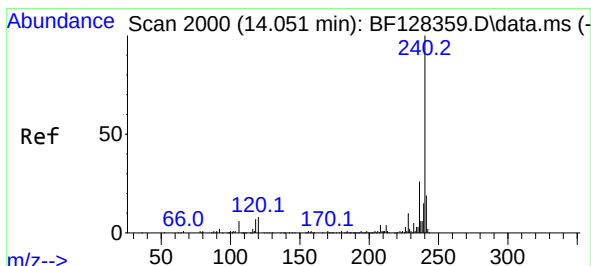
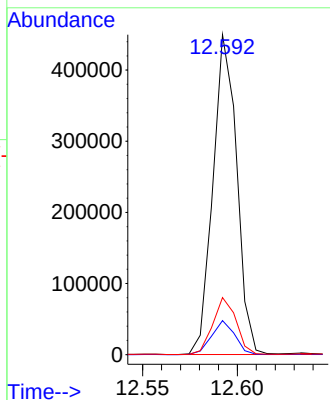
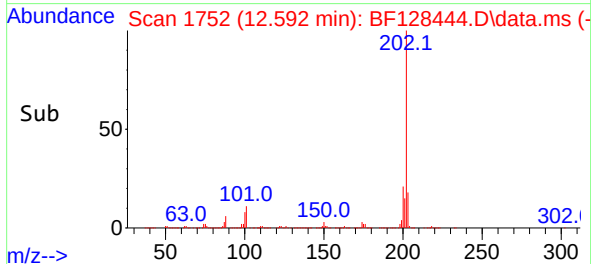
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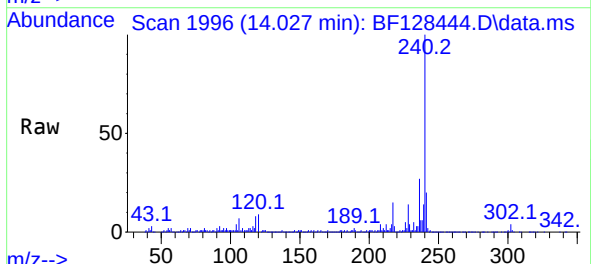
Tgt Ion:202 Resp: 394140
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.6
203 17.8 0.0 38.1

Manual Integrations
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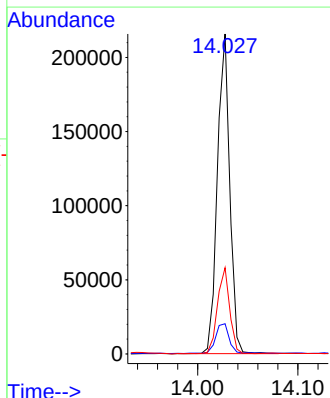
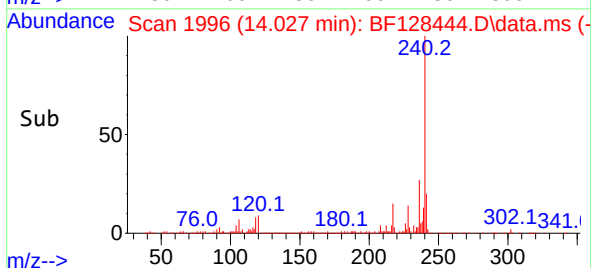
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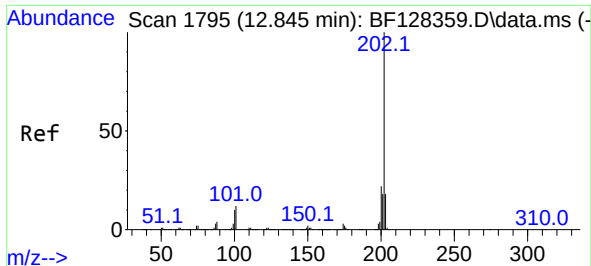


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42



Tgt Ion:240 Resp: 183950
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.6
236 26.9 20.3 30.5





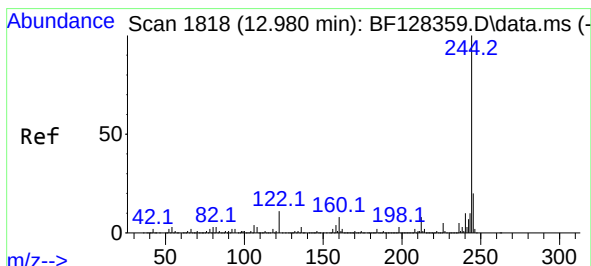
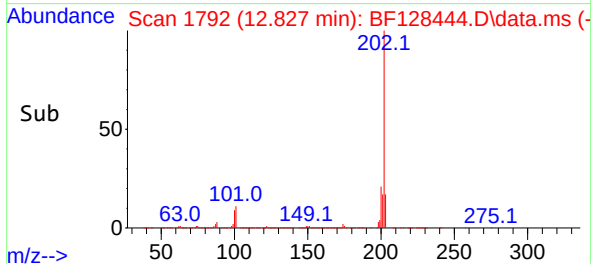
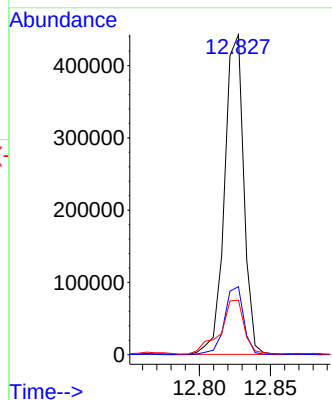
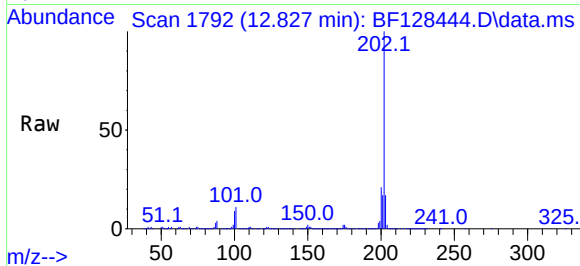
#78
Pyrene
Concen: 30.149 ng
RT: 12.827 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Instrument :
BNA_F
ClientSampleId :
SB-14(3.5-4)

Tgt Ion:202 Resp: 41524
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.1 14.0 21.0

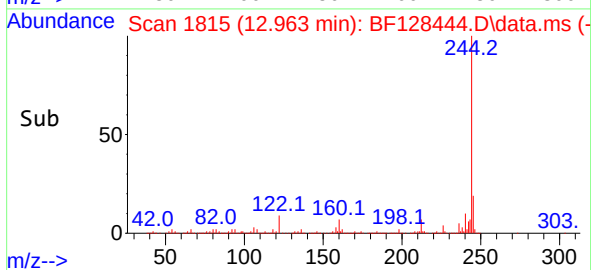
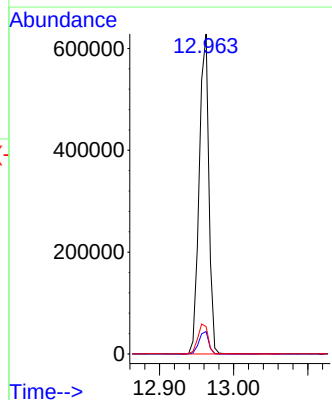
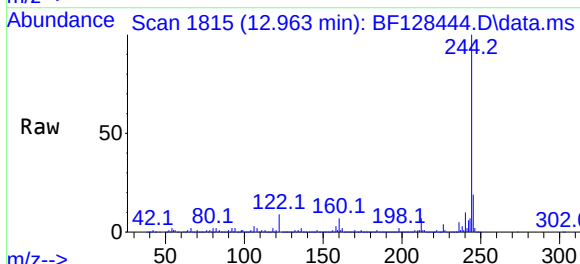
Manual Integrations
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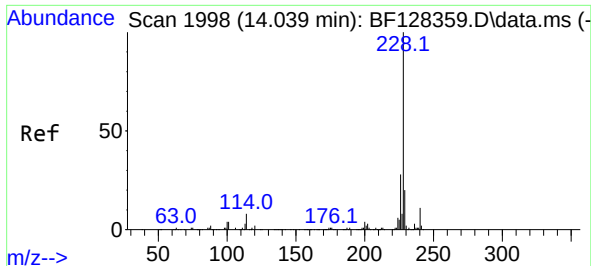
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#79
Terphenyl-d14
Concen: 59.323 ng
RT: 12.963 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

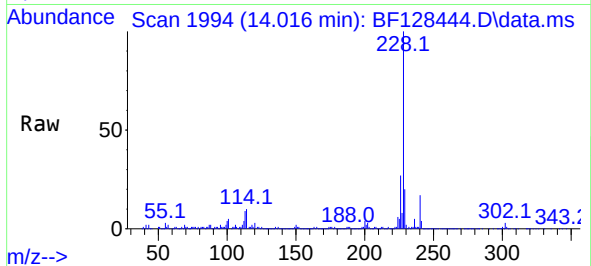
Tgt Ion:244 Resp: 565291
Ion Ratio Lower Upper
244 100
212 7.0 6.2 9.4
122 8.6 8.6 12.8#





#81
Benzo(a)anthracene
Concen: 19.073 ng
RT: 14.016 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

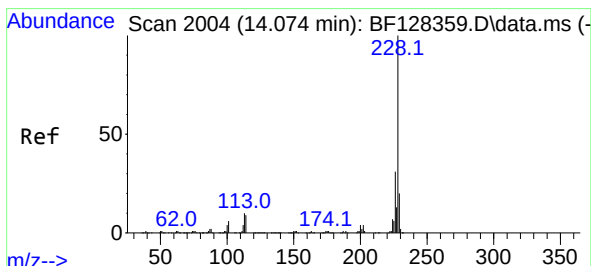
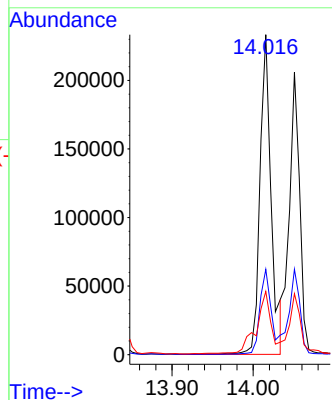
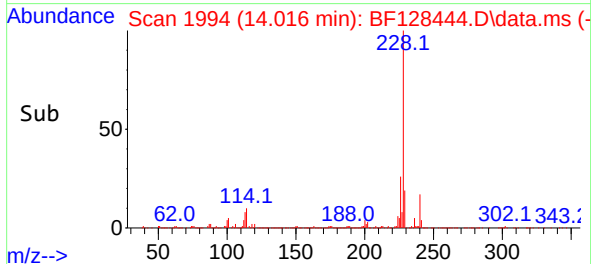
Instrument :
BNA_F
ClientSampleId :
SB-14(3.5-4)



Tgt Ion:228 Resp: 223222
Ion Ratio Lower Upper
228 100
226 26.7 21.7 32.5
229 19.7 15.4 23.2

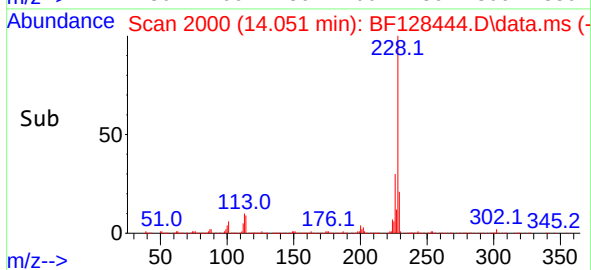
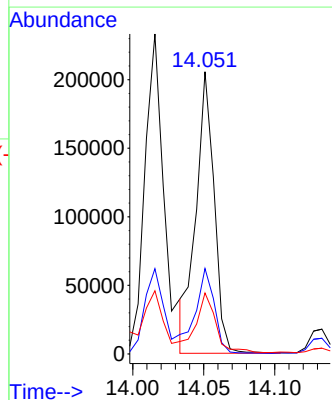
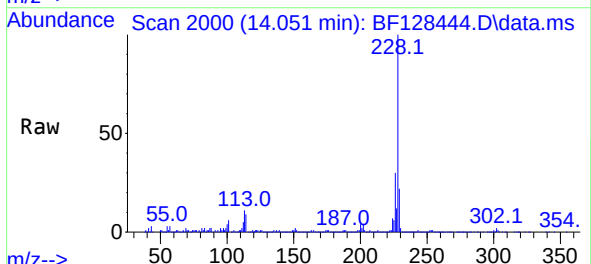
Manual Integrations
APPROVED

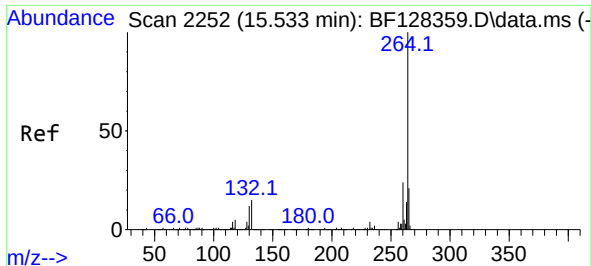
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#83
Chrysene
Concen: 16.476 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

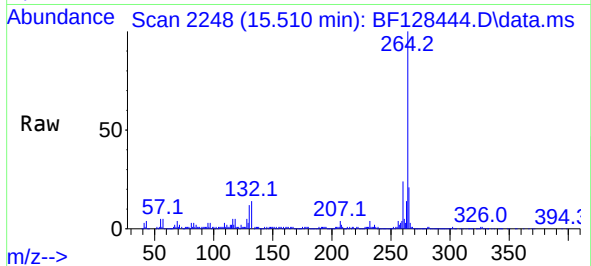
Tgt Ion:228 Resp: 183652
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 21.6 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

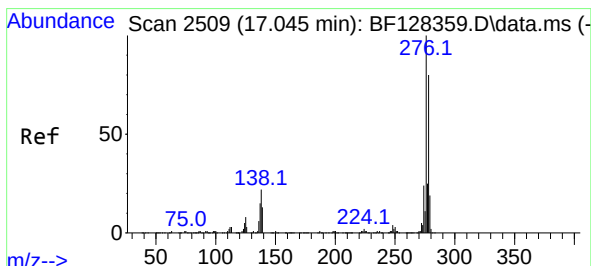
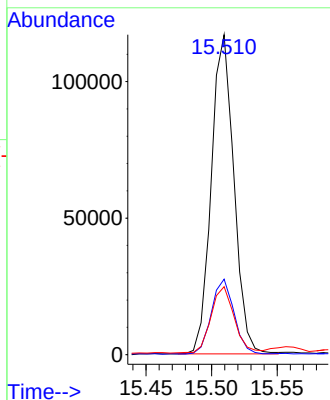
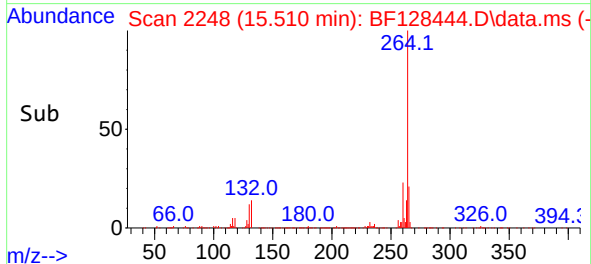
Instrument :
BNA_F
ClientSampleId :
SB-14(3.5-4)



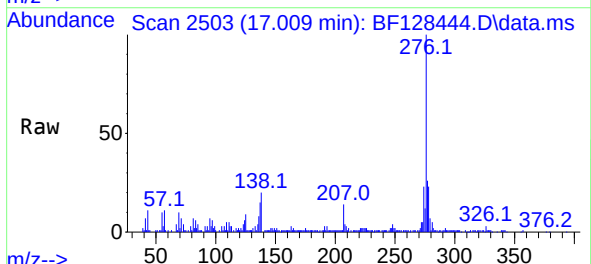
Tgt Ion:264 Resp: 140114
Ion Ratio Lower Upper
264 100
260 23.6 20.1 30.1
265 21.3 17.5 26.3

Manual Integrations
APPROVED

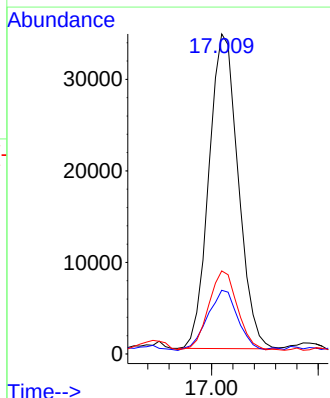
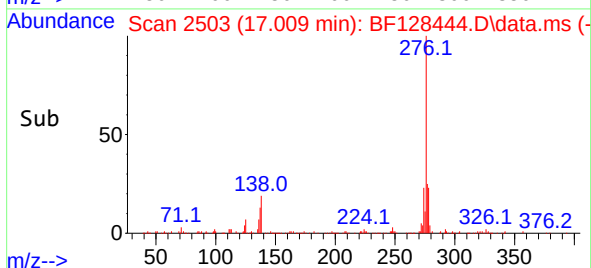
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

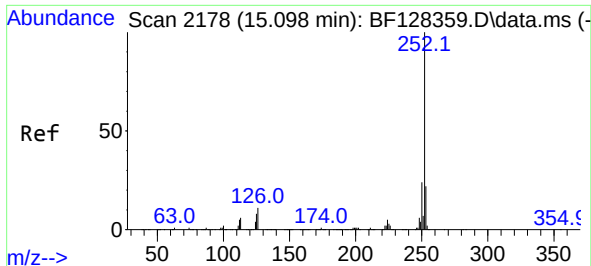


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.195 ng
RT: 17.009 min Scan# 2503
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42



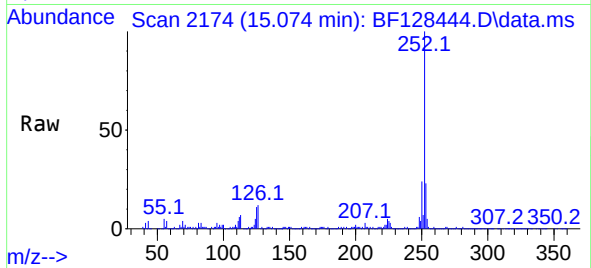
Tgt Ion:276 Resp: 65538
Ion Ratio Lower Upper
276 100
138 19.9 19.0 28.4
277 25.0 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 22.348 ng m
RT: 15.074 min Scan# 2174
Delta R.T. 0.000 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

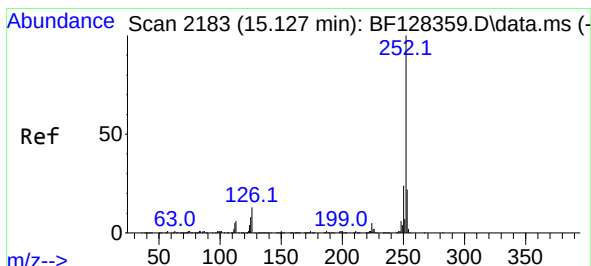
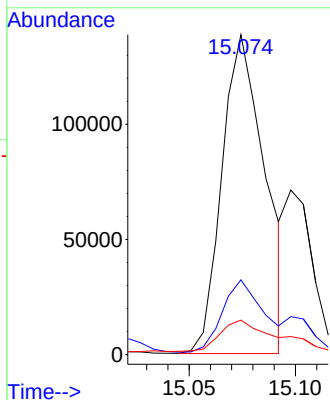
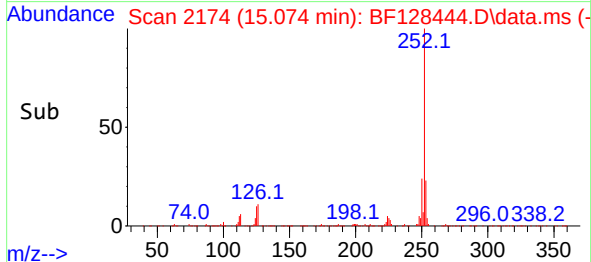
Instrument :
BNA_F
ClientSampleId :
SB-14(3.5-4)



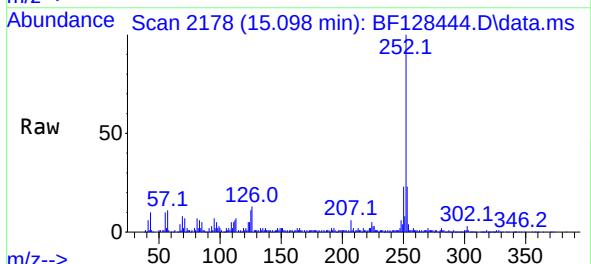
Tgt Ion:252 Resp: 194789
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 10.8 7.4 11.2

Manual Integrations
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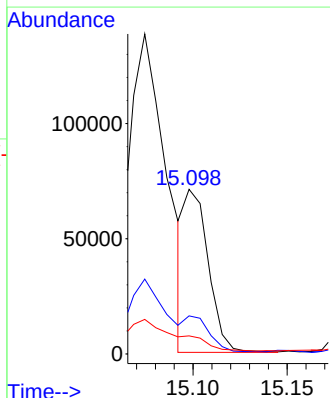
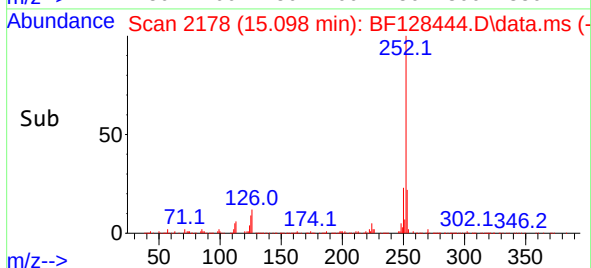
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

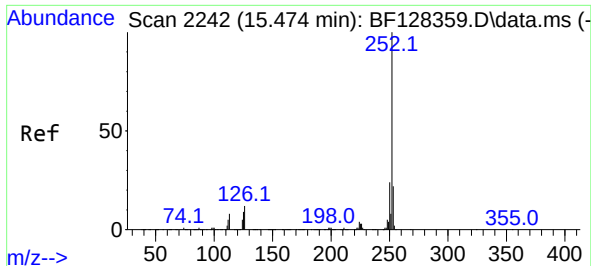


#89
Benzo(k)fluoranthene
Concen: 7.662 ng m
RT: 15.098 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42



Tgt Ion:252 Resp: 62550
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 11.0 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 17.324 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Instrument :

BNA_F

ClientSampleId :

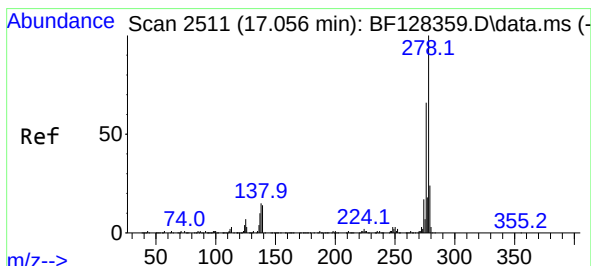
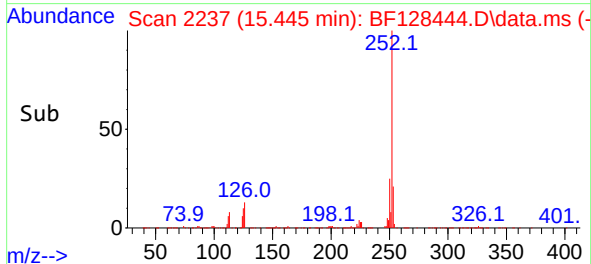
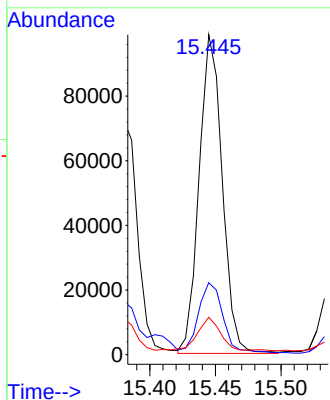
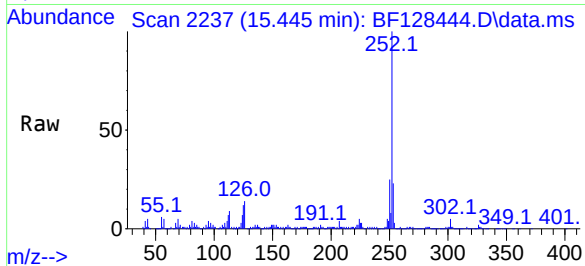
SB-14(3.5-4)

Tgt Ion:252 Resp: 12121
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.7 9.2 13.8

Manual Integrations

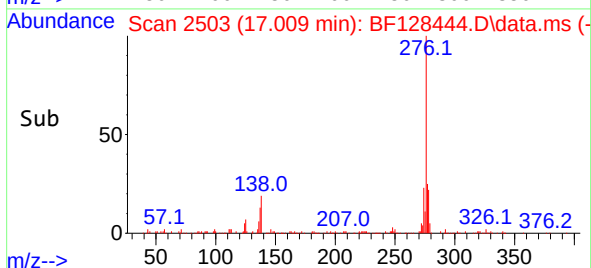
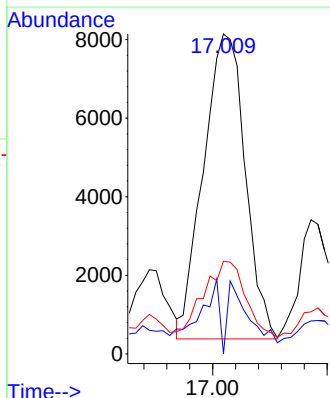
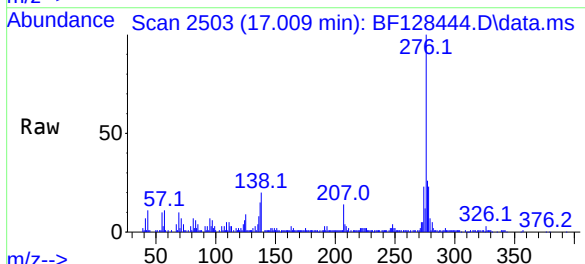
APPROVED

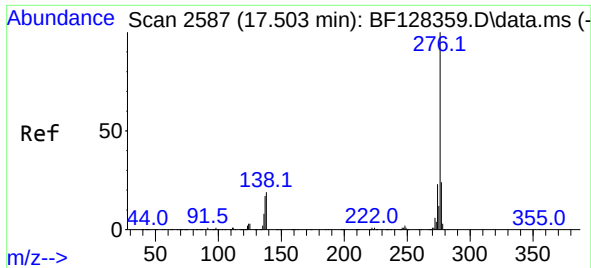
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.058 ng m
RT: 17.009 min Scan# 2503
Delta R.T. -0.018 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

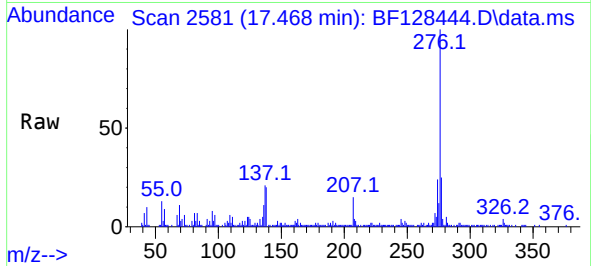
Tgt Ion:278 Resp: 19625
Ion Ratio Lower Upper
278 100
139 0.0 12.6 19.0#
279 29.0 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 8.945 ng
 RT: 17.468 min Scan# 2581
 Delta R.T. -0.006 min
 Lab File: BF128444.D
 Acq: 24 May 2022 19:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-14(3.5-4)



Tgt Ion:	276	Resp:	5988
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.8	28.2
138	20.1	16.2	24.2

Manual Integrations
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Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022

