

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135379.D
 Acq On : 21 Sep 2023 14:32
 Operator : CG\JU
 Sample : 04501-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Sep 22 05:56:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/27/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	153136	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	547175	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	245246	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	371732	20.000	ng	0.00
76) Chrysene-d12	13.939	240	270351	20.000	ng	# 0.00
86) Perylene-d12	15.410	264	247383	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	821968	87.301	ng	0.00
7) Phenol-d6	6.404	99	1043084	87.126	ng	0.00
23) Nitrobenzene-d5	7.322	82	639151	63.462	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	169909	69.716	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1022355	62.894	ng	-0.01
79) Terphenyl-d14	12.880	244	756741	43.392	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.822	154	32233	2.401	ng	98
58) Fluorene	10.339	166	65256	4.143	ng	100
71) Phenanthrene	11.310	178	480499	27.330	ng	99
72) Anthracene	11.357	178	90958	5.033	ng	99
73) Carbazole	11.522	167	41507	2.523	ng	98
75) Fluoranthene	12.504	202	620509	33.871	ng	98
78) Pyrene	12.733	202	583196	22.658	ng	100
81) Benzo(a)anthracene	13.933	228	248519	14.236	ng	96
83) Chrysene	13.969	228	268056	15.444	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	84527	5.211	ng	98
88) Benzo(b)fluoranthene	14.980	252	249097m	18.601	ng	
89) Benzo(k)fluoranthene	15.010	252	89498m	6.765	ng	
90) Benzo(a)pyrene	15.345	252	179343	14.043	ng	98
92) Benzo(g,h,i)perylene	17.333	276	81694	5.894	ng	95

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

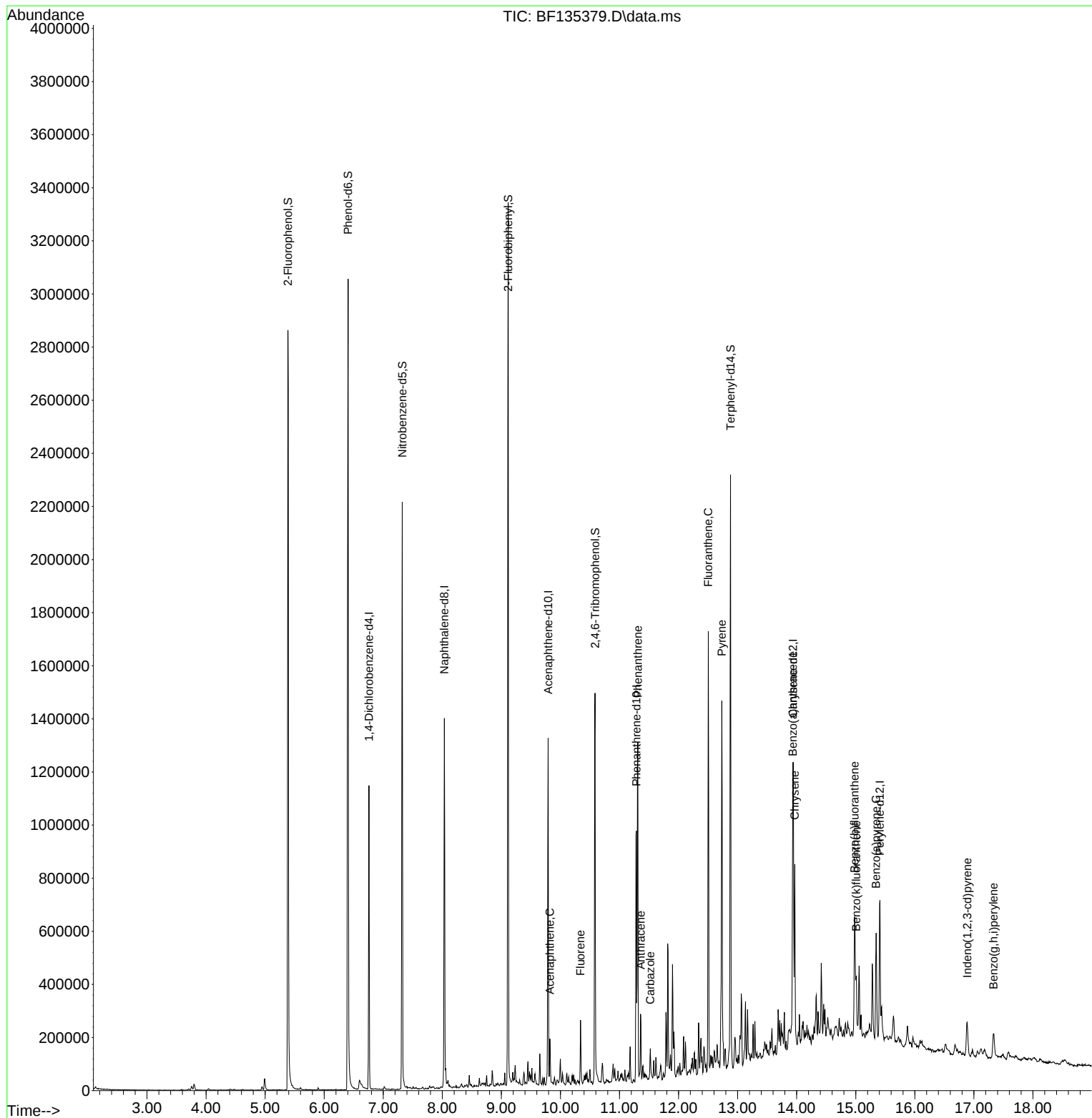
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
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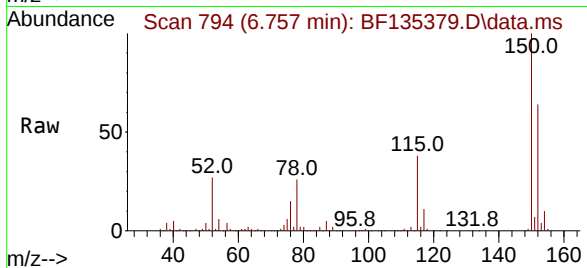
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

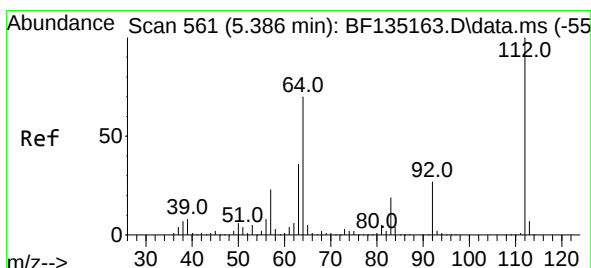
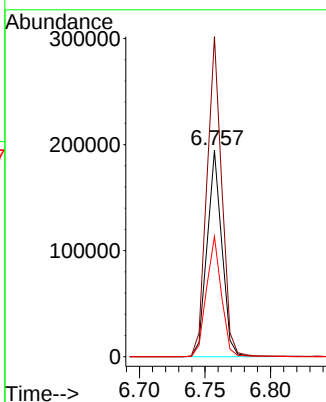
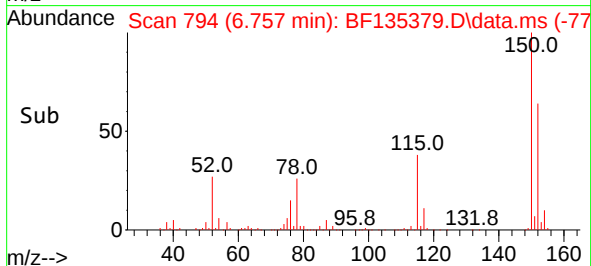
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 153130
Ion Ratio Lower Upper
152 100
150 155.0 127.8 191.6
115 58.2 49.8 74.8

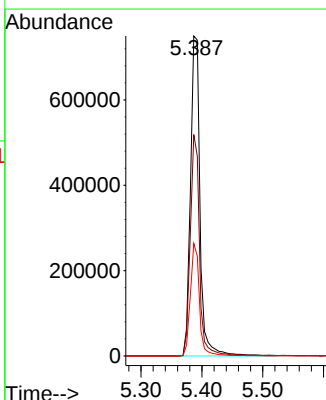
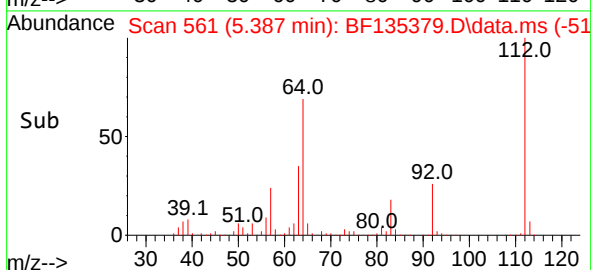
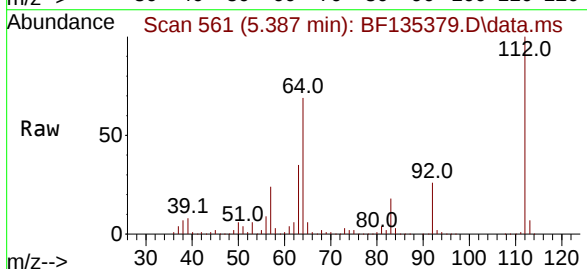
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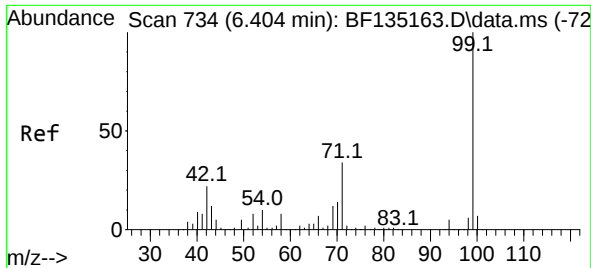
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#5
2-Fluorophenol
Concen: 87.301 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

Tgt Ion:112 Resp: 821968
Ion Ratio Lower Upper
112 100
64 69.2 55.9 83.9
63 35.2 29.0 43.6





#7

Phenol-d6

Concen: 87.126 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 99 Resp: 1043084

Ion Ratio Lower Upper

99 100

42 23.1 17.9 26.9

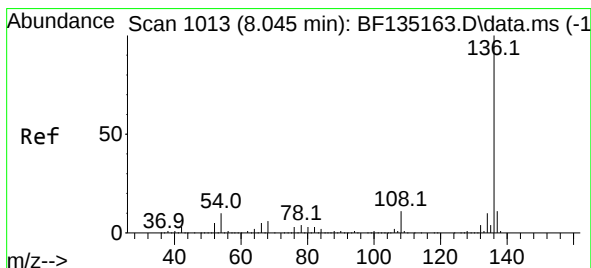
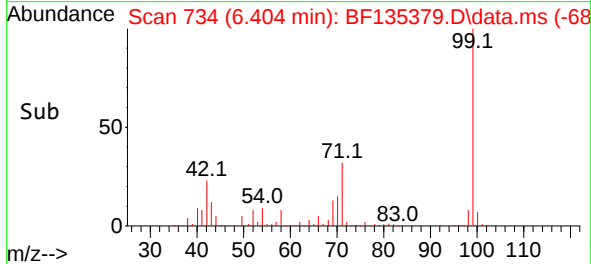
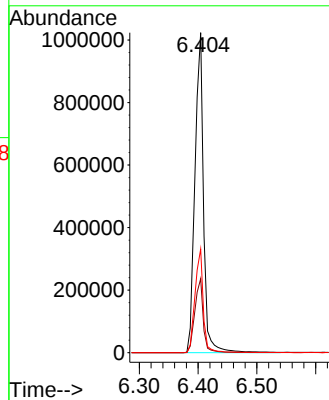
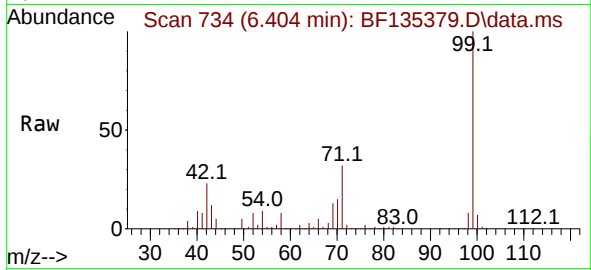
71 32.4 27.0 40.6

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.034 min Scan# 1011

Delta R.T. -0.012 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

Tgt Ion:136 Resp: 547175

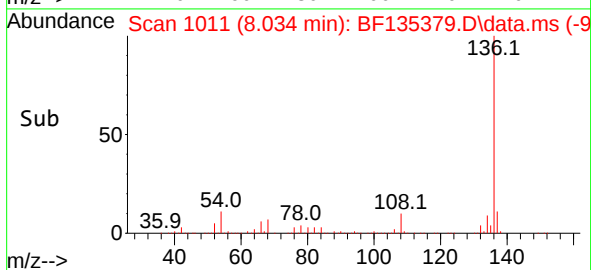
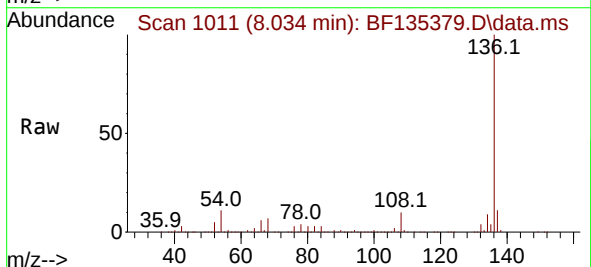
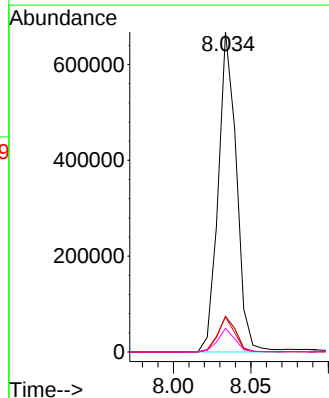
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 11.0 7.7 11.5

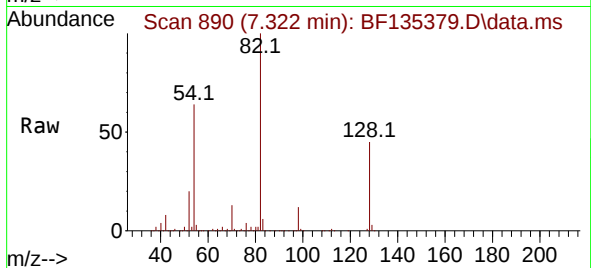
68 7.4 4.6 6.8#





#23
Nitrobenzene-d5
Concen: 63.462 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

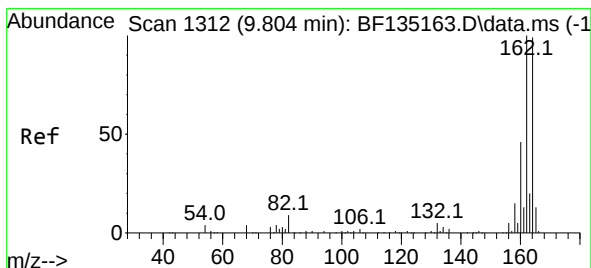
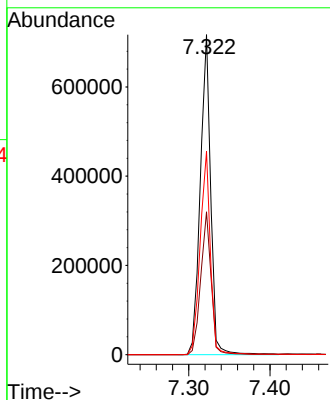
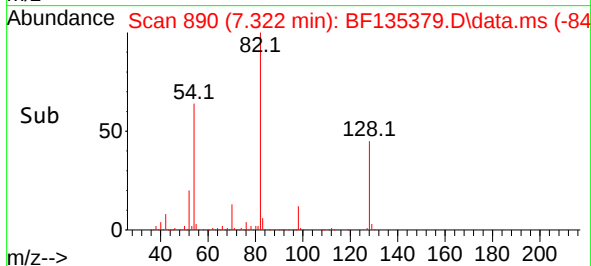
Instrument :
BNA_F
ClientSampleId :
TP-1



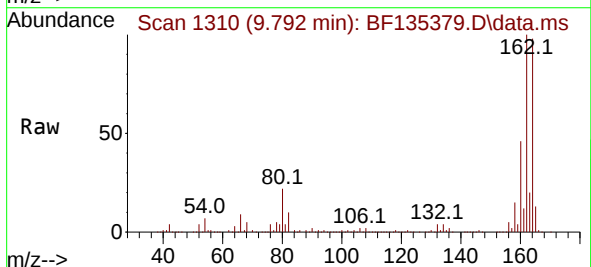
Tgt Ion: 82 Resp: 63915
Ion Ratio Lower Upper
82 100
128 44.7 35.8 53.6
54 63.5 50.6 76.0

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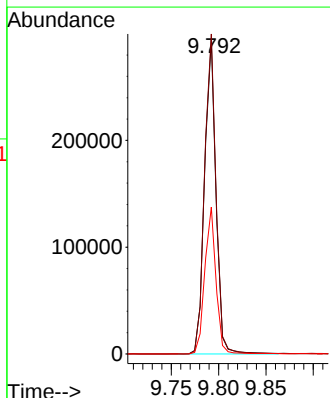
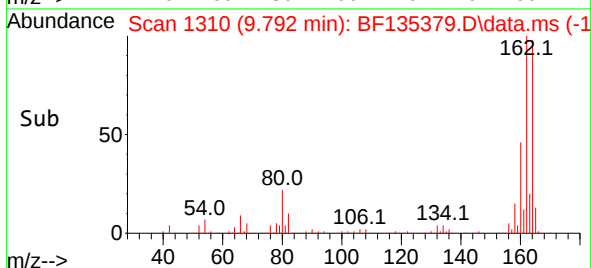
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32



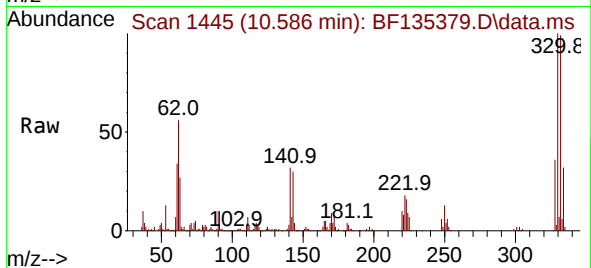
Tgt Ion:164 Resp: 245246
Ion Ratio Lower Upper
164 100
162 101.9 81.0 121.4
160 46.8 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 69.716 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

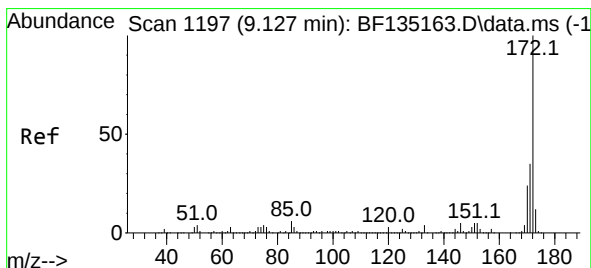
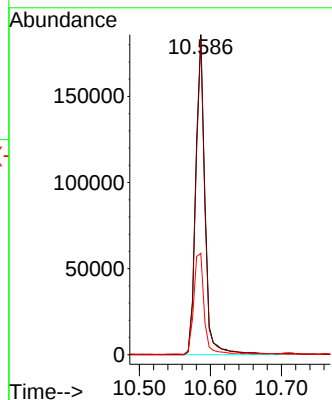
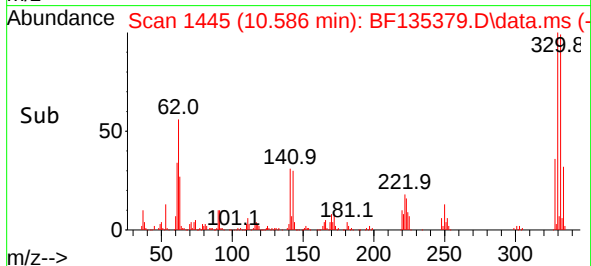
Instrument :
BNA_F
ClientSampleId :
TP-1



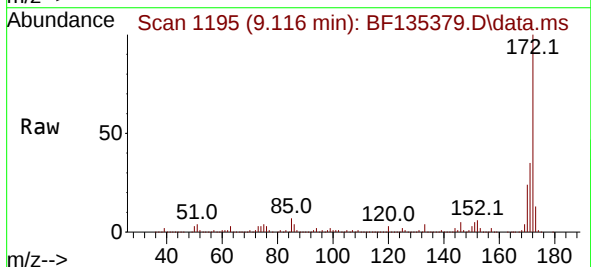
Tgt Ion:330 Resp: 169909
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 35.7 25.8 38.8

Manual Integrations
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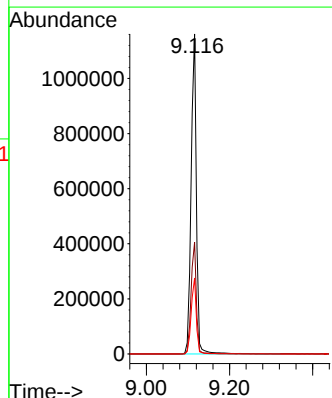
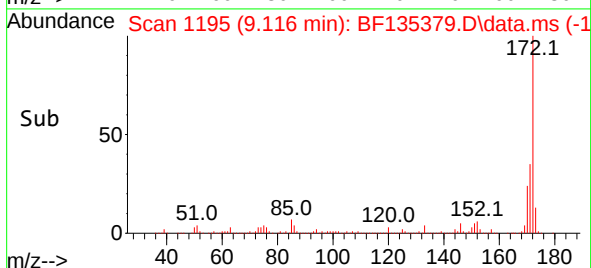
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

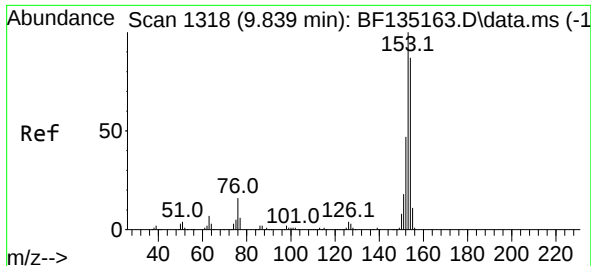


#45
2-Fluorobiphenyl
Concen: 62.894 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32



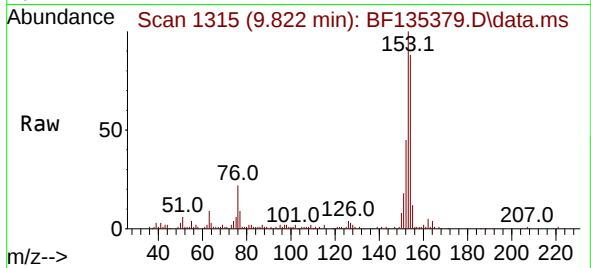
Tgt Ion:172 Resp: 1022355
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.8 19.0 28.4





#52
Acenaphthene
Concen: 2.401 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

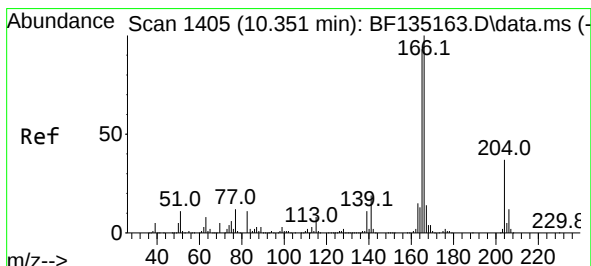
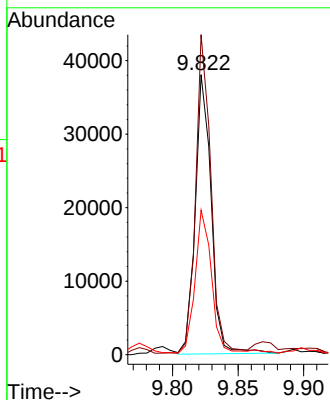
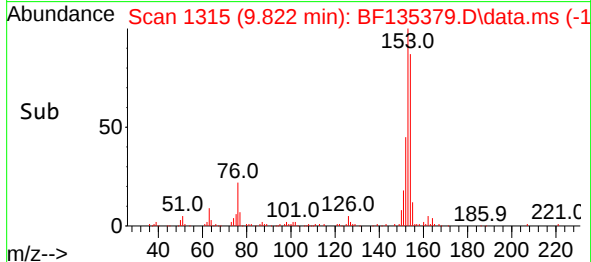
Instrument :
BNA_F
ClientSampleId :
TP-1



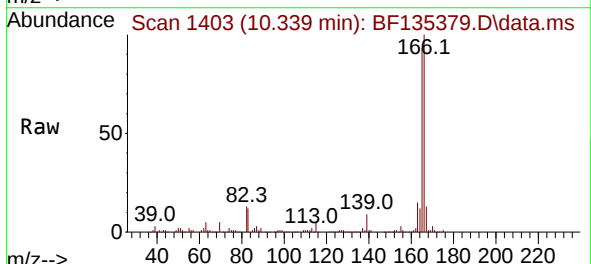
Tgt Ion:154 Resp: 3223
Ion Ratio Lower Upper
154 100
153 114.3 92.1 138.1
152 51.6 43.1 64.7

Manual Integrations
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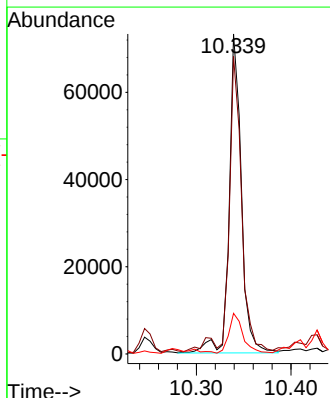
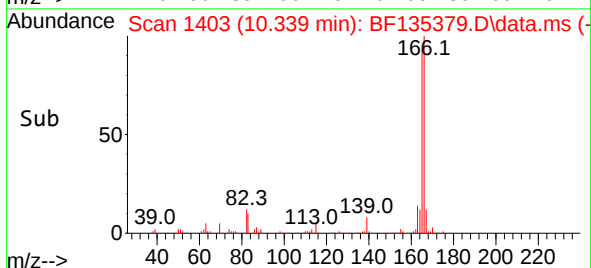
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

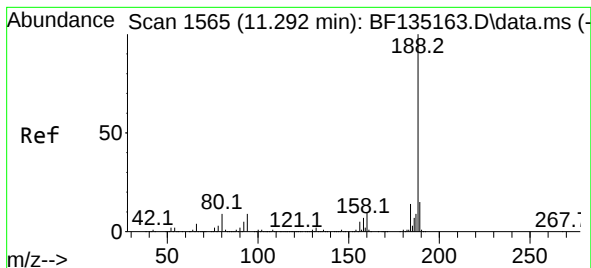


#58
Fluorene
Concen: 4.143 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32



Tgt Ion:166 Resp: 65256
Ion Ratio Lower Upper
166 100
165 93.0 74.3 111.5
167 12.7 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1564

Delta R.T. -0.006 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

Instrument :

BNA_F

ClientSampleId :

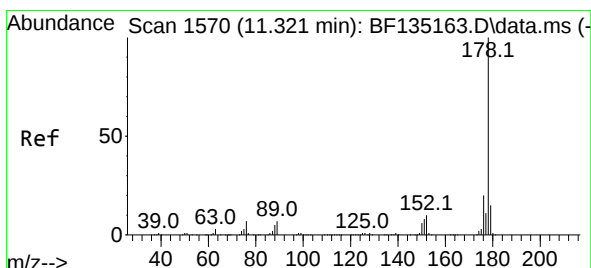
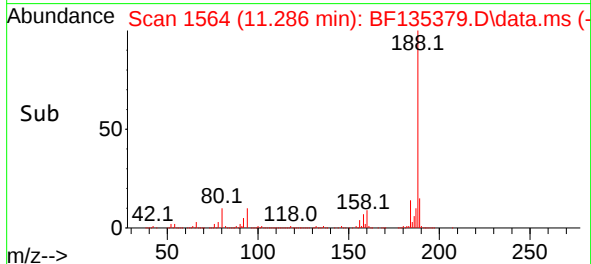
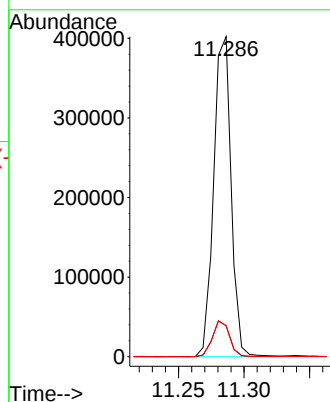
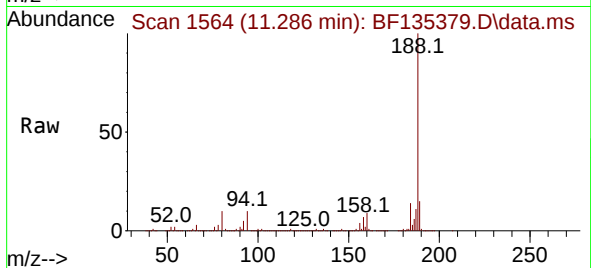
TP-1

Tgt Ion:188	Resp: 37173
Ion Ratio	Lower Upper
188 100	
94 9.7	7.0 10.6
80 9.7	7.5 11.3

Manual Integrations

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Reviewed By :Yogesh Patel 09/22/2023
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#71

Phenanthrene

Concen: 27.330 ng

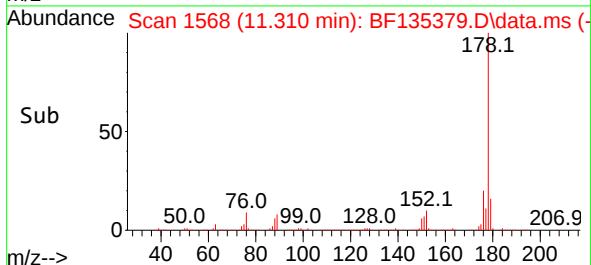
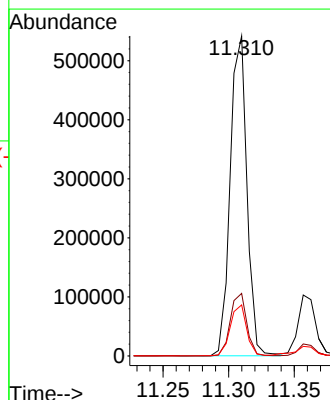
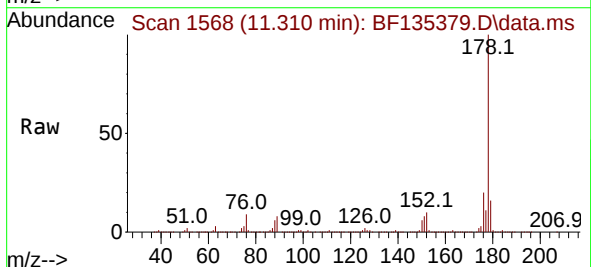
RT: 11.310 min Scan# 1568

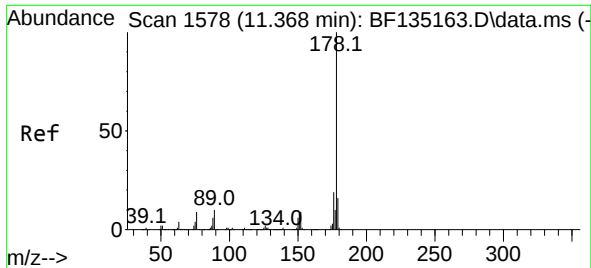
Delta R.T. -0.012 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

Tgt Ion:178	Resp: 480499
Ion Ratio	Lower Upper
178 100	
176 19.5	15.6 23.4
179 15.9	12.0 18.0





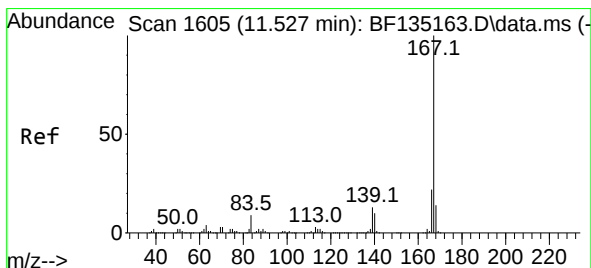
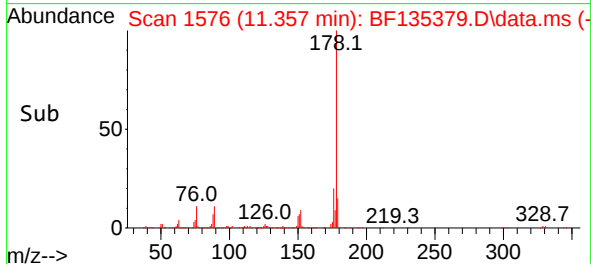
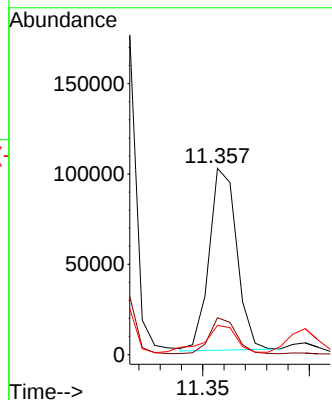
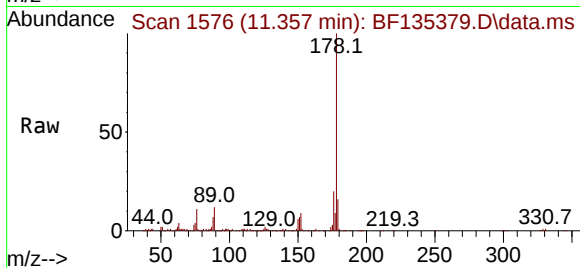
#72
 Anthracene
 Concen: 5.033 ng
 RT: 11.357 min Scan# 1135
 Delta R.T. -0.012 min
 Lab File: BF135379.D
 Acq: 21 Sep 2023 14:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:178 Resp: 90958
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.4 23.2
 179 15.7 12.6 19.0

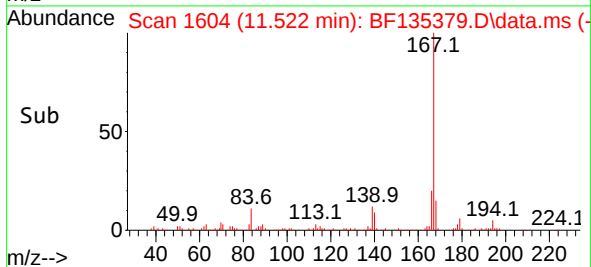
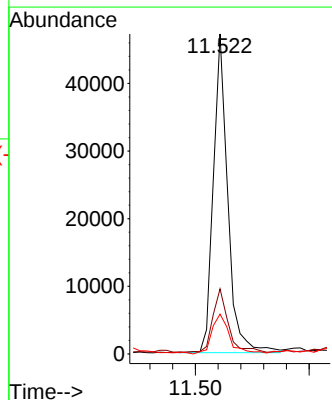
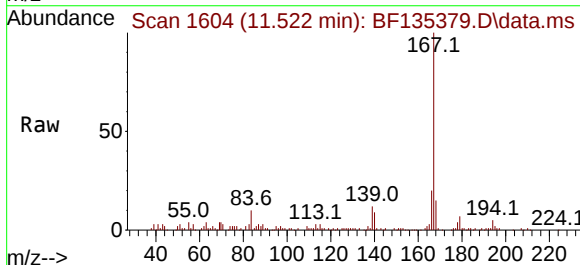
Manual Integrations
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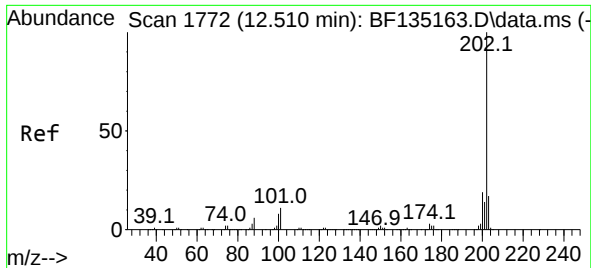
Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/27/2023



#73
 Carbazole
 Concen: 2.523 ng
 RT: 11.522 min Scan# 1604
 Delta R.T. -0.006 min
 Lab File: BF135379.D
 Acq: 21 Sep 2023 14:32

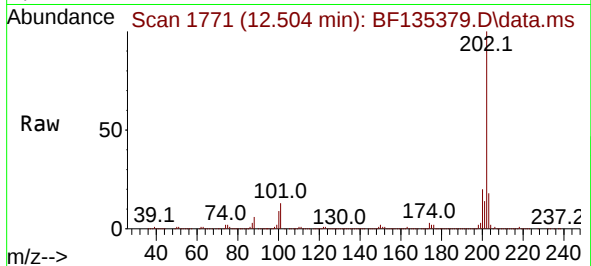
Tgt Ion:167 Resp: 41507
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.4 26.0
 139 12.5 10.6 15.8





#75
Fluoranthene
Concen: 33.871 ng
RT: 12.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

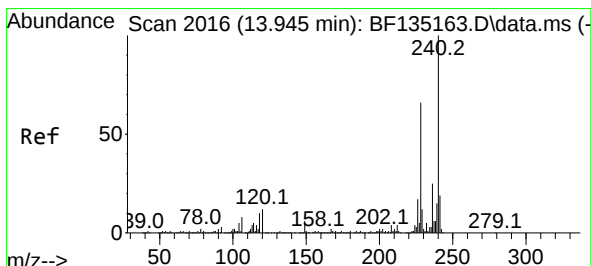
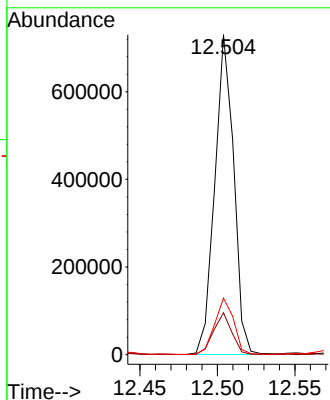
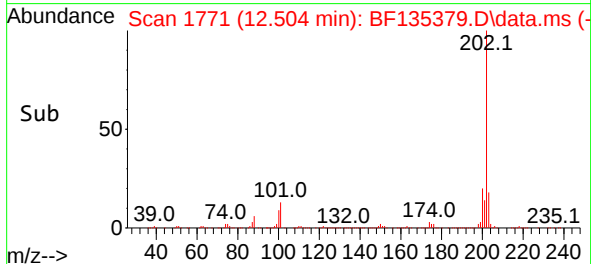
Instrument :
BNA_F
ClientSampleId :
TP-1



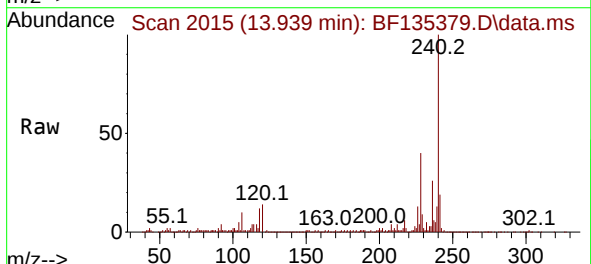
Tgt Ion:202 Resp: 620509
Ion Ratio Lower Upper
202 100
101 13.1 0.0 31.3
203 17.7 0.0 37.4

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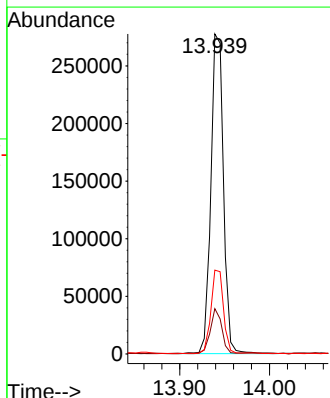
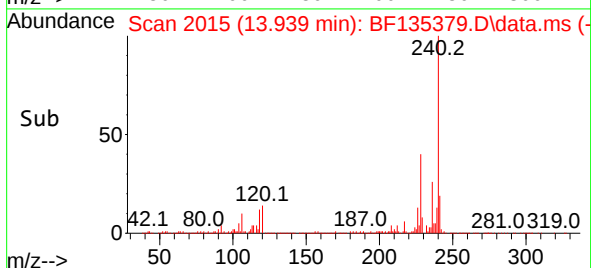
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

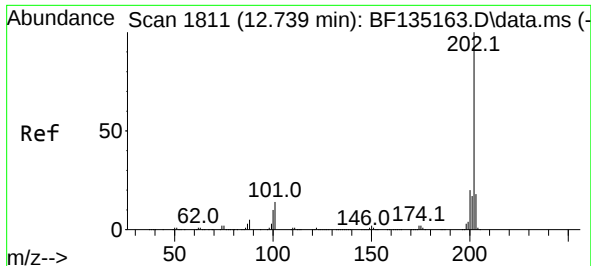


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32



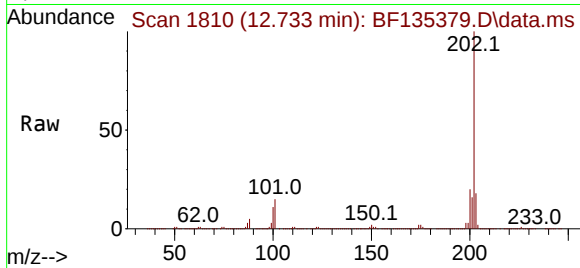
Tgt Ion:240 Resp: 270351
Ion Ratio Lower Upper
240 100
120 14.2 9.4 14.2#
236 26.2 19.8 29.8





#78
Pyrene
Concen: 22.658 ng
RT: 12.733 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

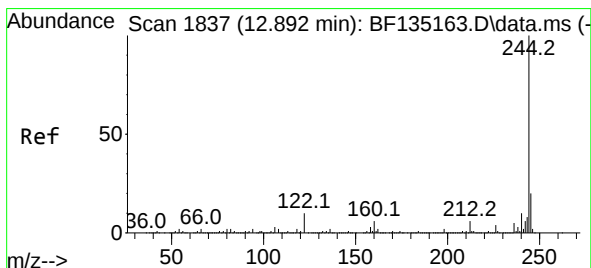
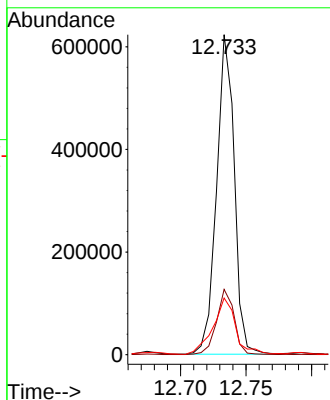
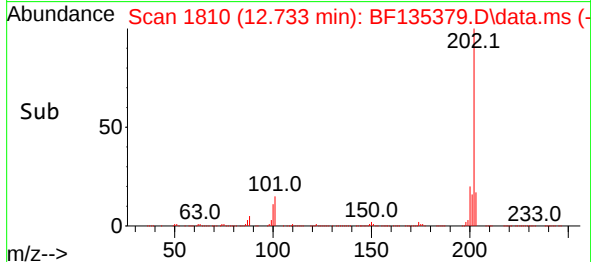
Instrument :
BNA_F
ClientSampleId :
TP-1



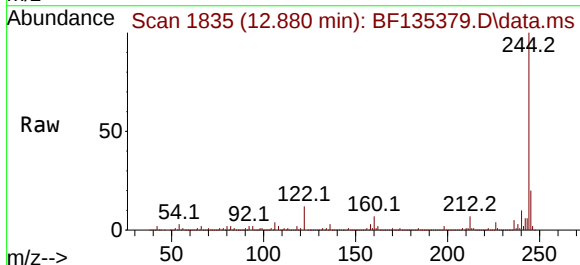
Tgt Ion:202 Resp: 583190
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.2
203 17.7 14.2 21.4

Manual Integrations
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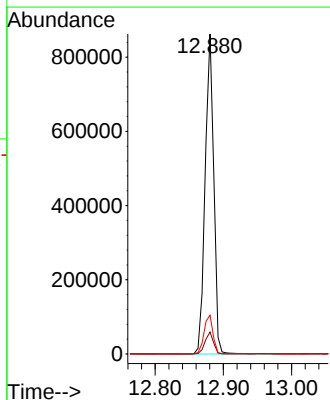
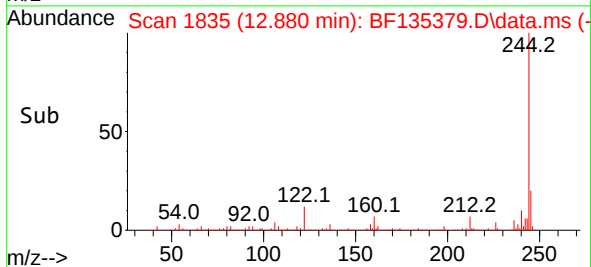
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

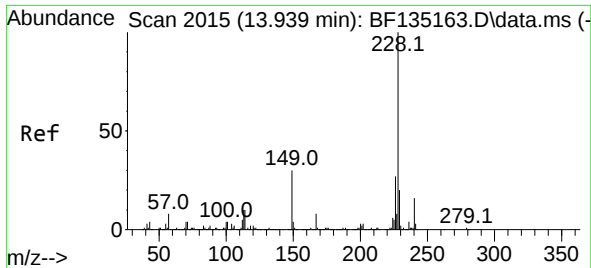


#79
Terphenyl-d14
Concen: 43.392 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32



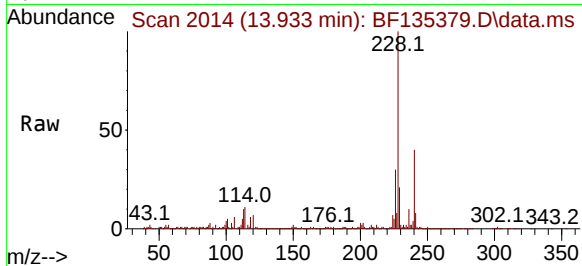
Tgt Ion:244 Resp: 756741
Ion Ratio Lower Upper
244 100
212 6.8 5.1 7.7
122 12.1 7.9 11.9#





#81
Benzo(a)anthracene
Concen: 14.236 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

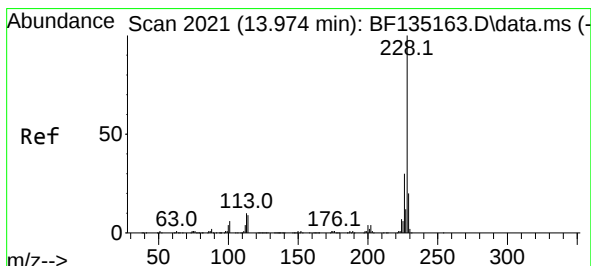
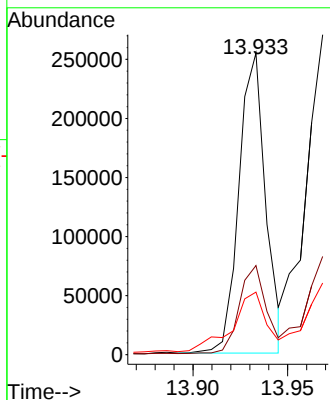
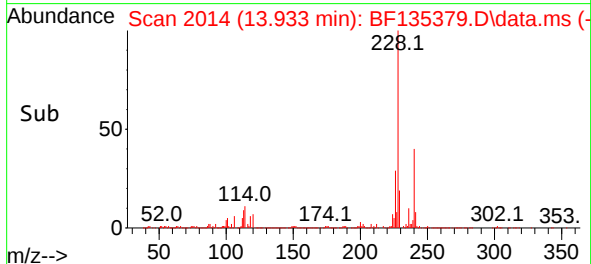
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:228 Resp: 248519
Ion Ratio Lower Upper
228 100
226 29.6 21.7 32.5
229 20.7 15.8 23.8

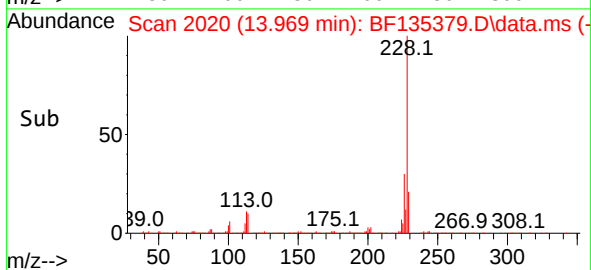
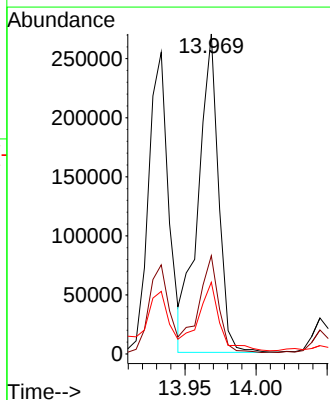
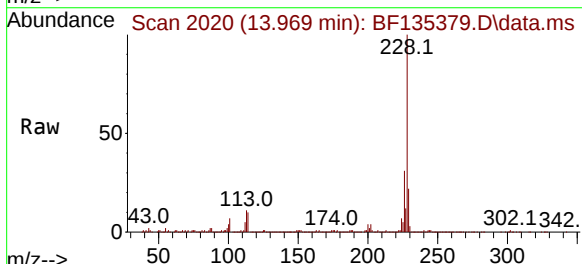
Manual Integrations
APPROVED

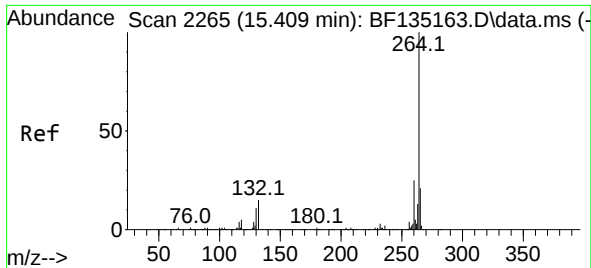
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#83
Chrysene
Concen: 15.444 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

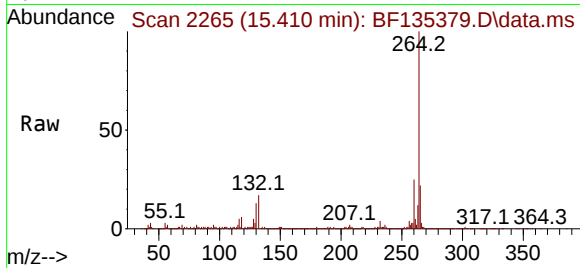
Tgt Ion:228 Resp: 268056
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 22.4 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

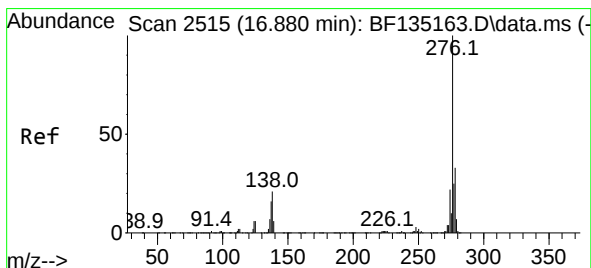
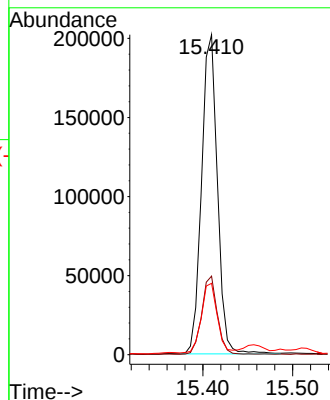
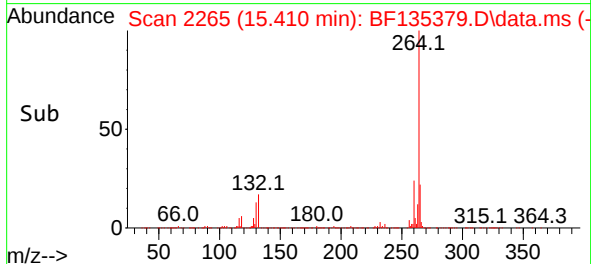
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:264 Resp: 24738
Ion Ratio Lower Upper
264 100
260 24.5 19.8 29.6
265 22.3 17.0 25.4

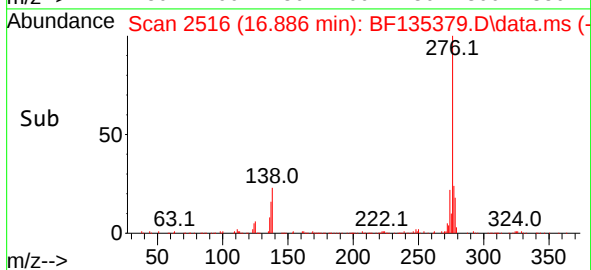
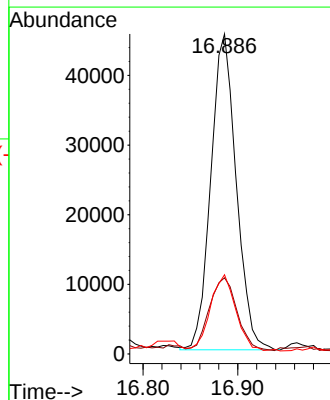
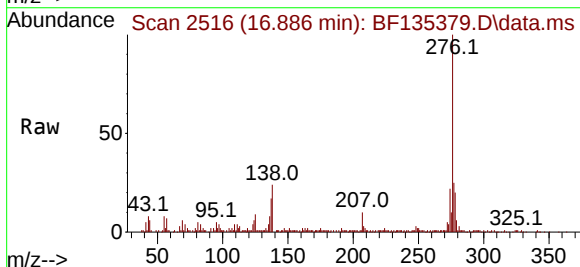
Manual Integrations
APPROVED

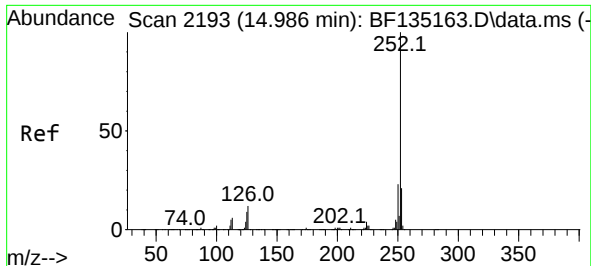
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.211 ng
RT: 16.886 min Scan# 2516
Delta R.T. 0.006 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

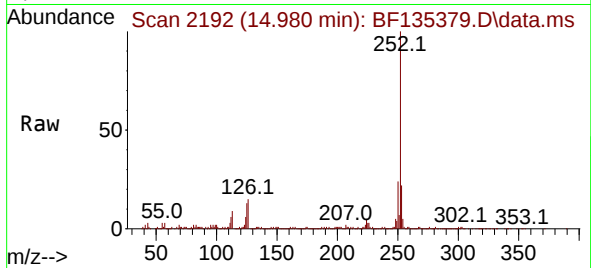
Tgt Ion:276 Resp: 84527
Ion Ratio Lower Upper
276 100
138 25.3 19.2 28.8
277 24.3 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 18.601 ng m
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

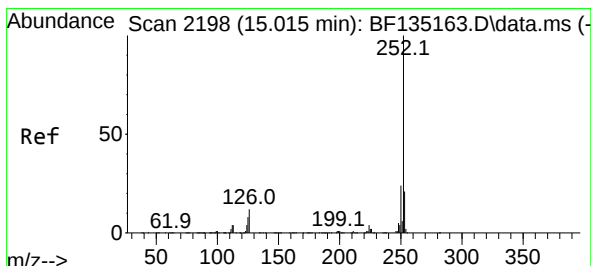
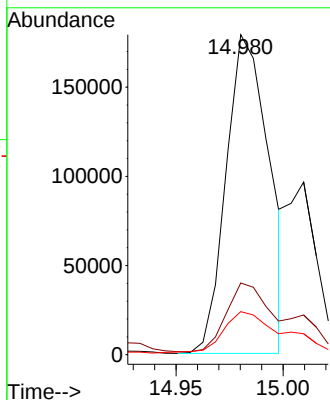
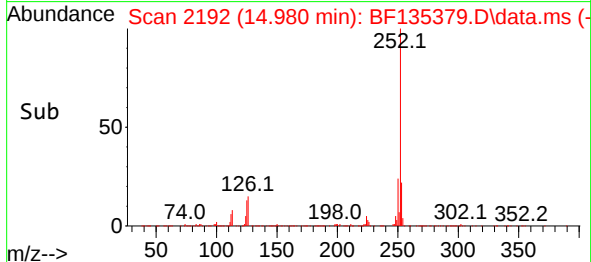
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:252 Resp: 24909
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 13.5 7.1 10.7

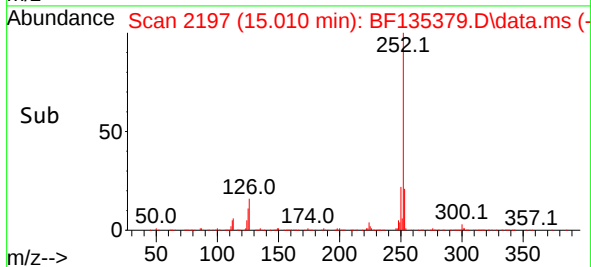
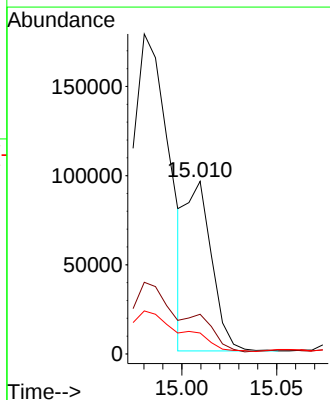
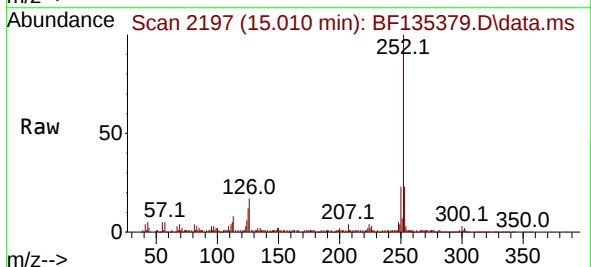
Manual Integrations
APPROVED

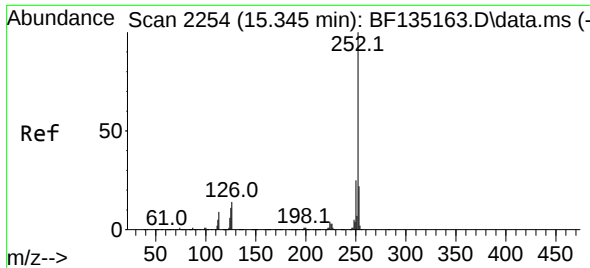
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#89
Benzo(k)fluoranthene
Concen: 6.765 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

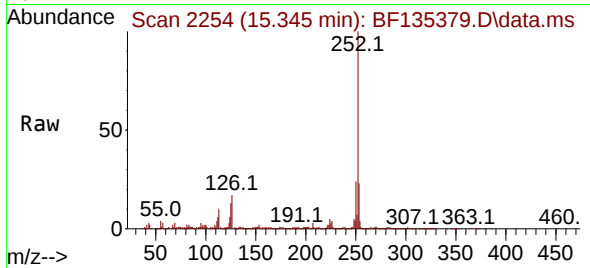
Tgt Ion:252 Resp: 89498
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 12.1 7.2 10.8





#90
Benzo(a)pyrene
Concen: 14.043 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

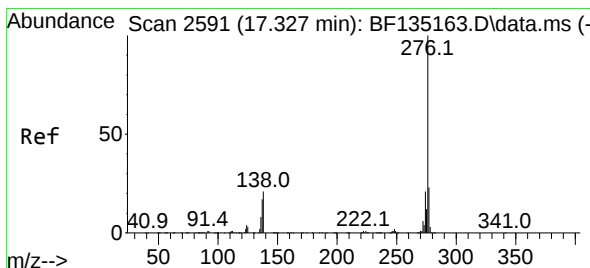
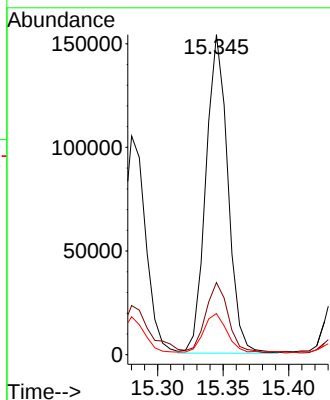
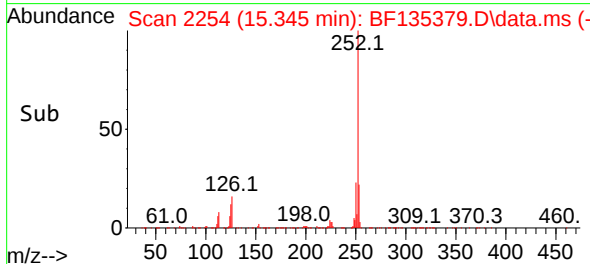
Instrument :
BNA_F
ClientSampleId :
TP-1



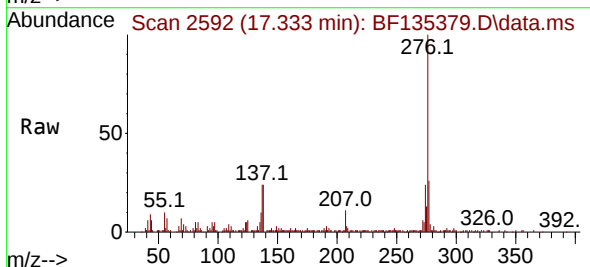
Tgt Ion:252 Resp: 17934
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 12.8 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#92
Benzo(g,h,i)perylene
Concen: 5.894 ng
RT: 17.333 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32



Tgt Ion:276 Resp: 81694
Ion Ratio Lower Upper
276 100
277 25.6 18.8 28.2
138 24.1 16.9 25.3

