

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135380.D
 Acq On : 21 Sep 2023 15:04
 Operator : CG\JU
 Sample : 04501-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Sep 22 05:56:31 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	145825	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	522607	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	233629	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	354136	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	264985	20.000	ng	0.00
86) Perylene-d12	15.410	264	228396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	876080	97.713	ng	0.00
7) Phenol-d6	6.404	99	1122723	98.479	ng	0.00
23) Nitrobenzene-d5	7.322	82	685389	71.252	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	185048	79.703	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1090382	70.414	ng	-0.01
79) Terphenyl-d14	12.880	244	824513	48.235	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.651	152	59650	2.755	ng	97
71) Phenanthrene	11.310	178	348479	20.806	ng	99
72) Anthracene	11.363	178	57274	3.327	ng	97
75) Fluoranthene	12.504	202	444010	25.441	ng	99
78) Pyrene	12.733	202	519147	20.578	ng	99
81) Benzo(a)anthracene	13.933	228	204825m	11.971	ng	
83) Chrysene	13.969	228	245421	14.426	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	61633	4.116	ng	95
88) Benzo(b)fluoranthene	14.980	252	180995m	14.639	ng	
89) Benzo(k)fluoranthene	15.004	252	62155m	5.089	ng	
90) Benzo(a)pyrene	15.345	252	136660	11.591	ng	98
92) Benzo(g,h,i)perylene	17.333	276	67028	5.238	ng	95

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

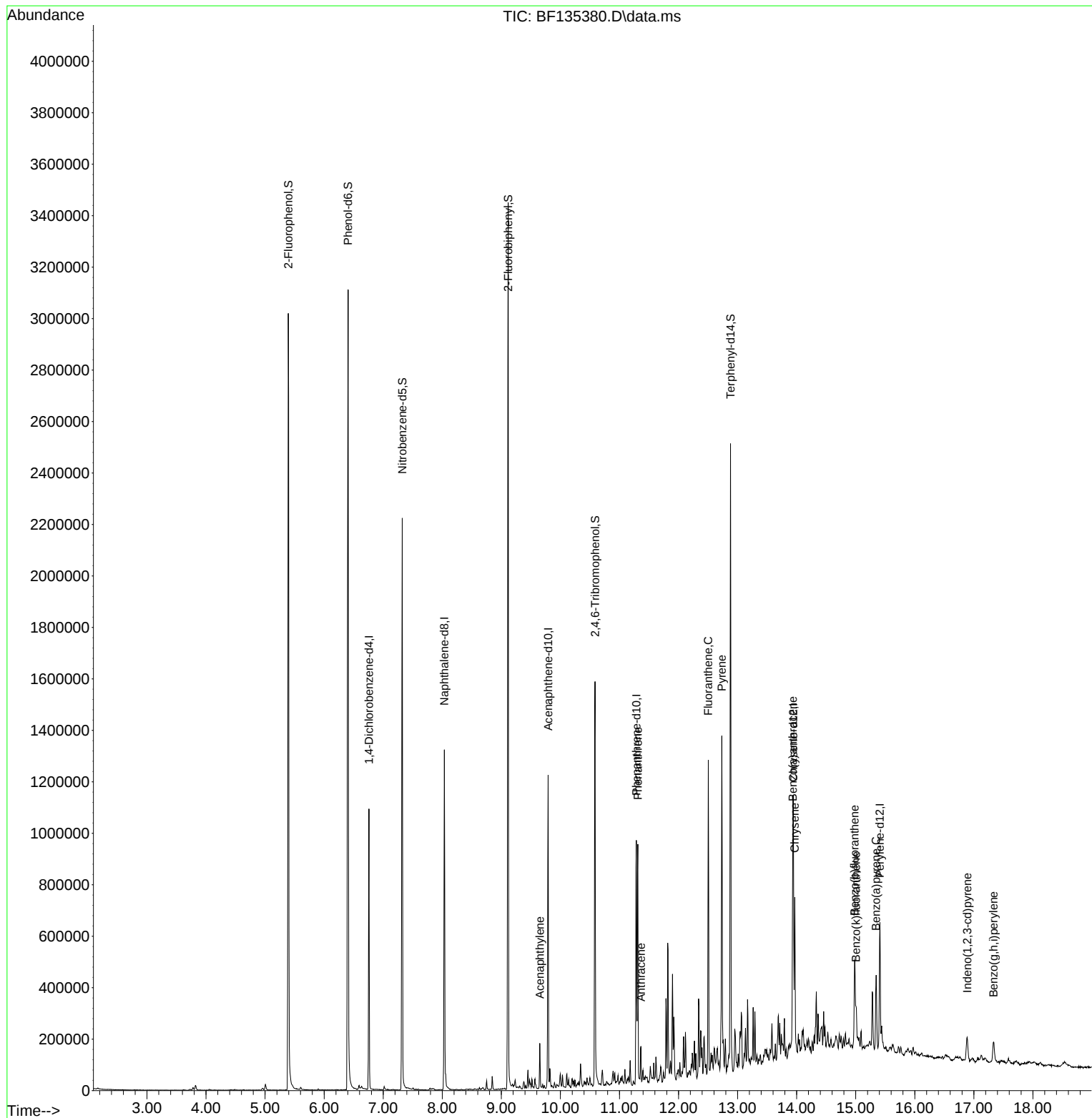
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
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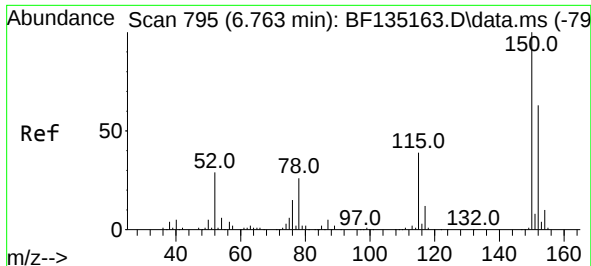
Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Time: Sep 22 05:56:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
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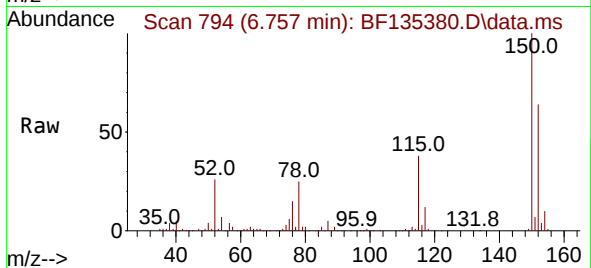
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

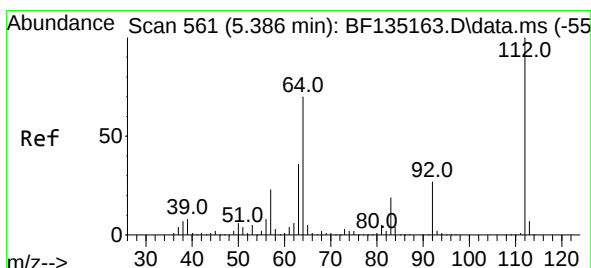
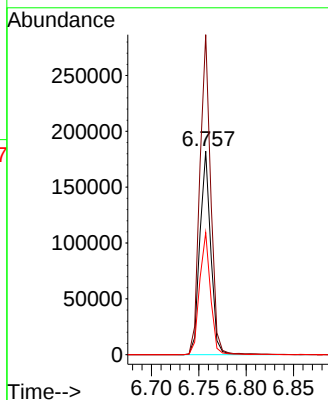
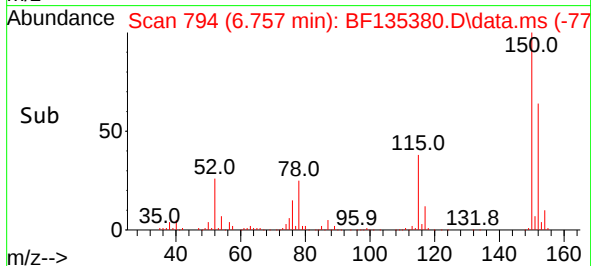
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:152 Resp: 145825
Ion Ratio Lower Upper
152 100
150 157.2 127.8 191.6
115 60.0 49.8 74.8

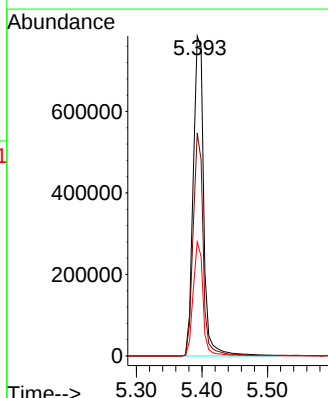
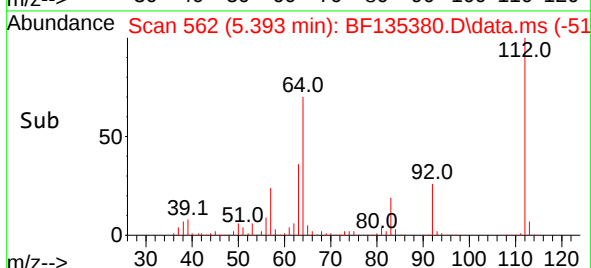
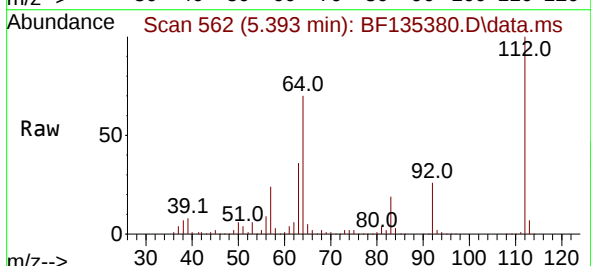
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Supervised By :mohammad ahmed 09/27/2023



#5
2-Fluorophenol
Concen: 97.713 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

Tgt Ion:112 Resp: 876080
Ion Ratio Lower Upper
112 100
64 69.7 55.9 83.9
63 35.6 29.0 43.6





#7

Phenol-d6

Concen: 98.479 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion: 99 Resp: 112272

Ion Ratio Lower Upper

99 100

42 23.2 17.9 26.9

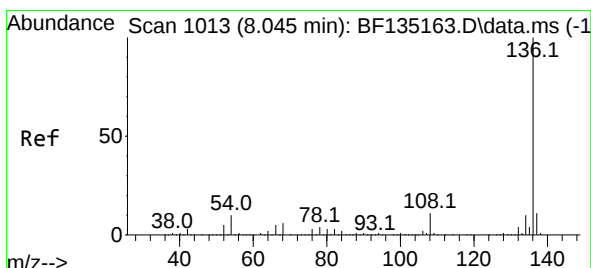
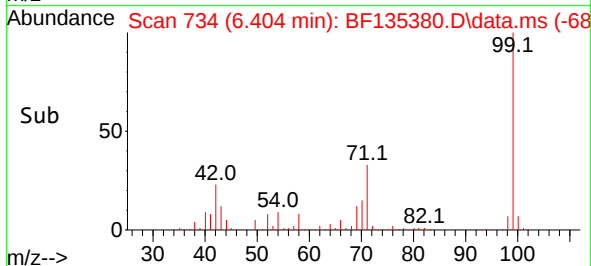
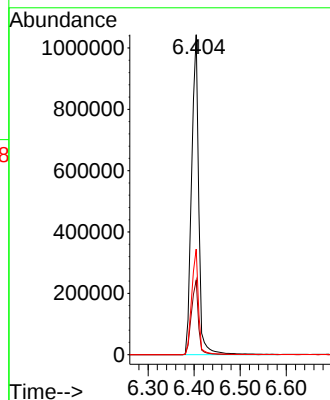
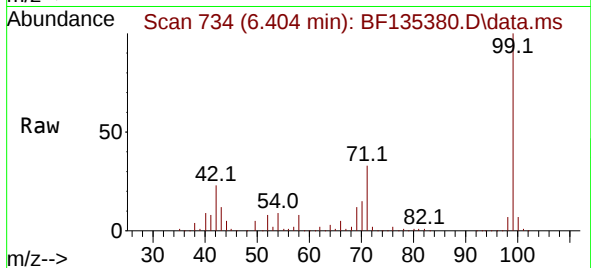
71 33.0 27.0 40.6

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.034 min Scan# 1011

Delta R.T. -0.011 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

Tgt Ion:136 Resp: 522607

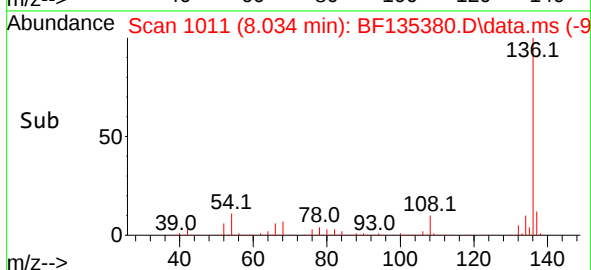
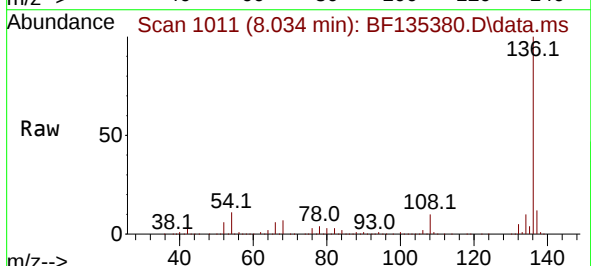
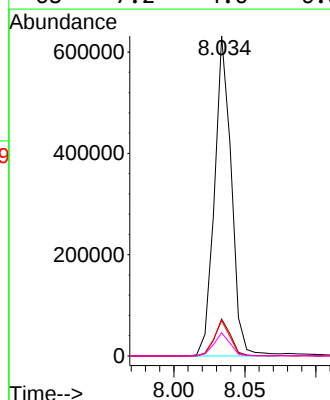
Ion Ratio Lower Upper

136 100

137 11.6 8.8 13.2

54 11.1 7.7 11.5

68 7.2 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 71.252 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

Instrument :

BNA_F

ClientSampleId :

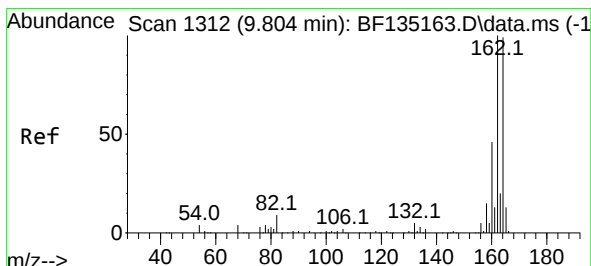
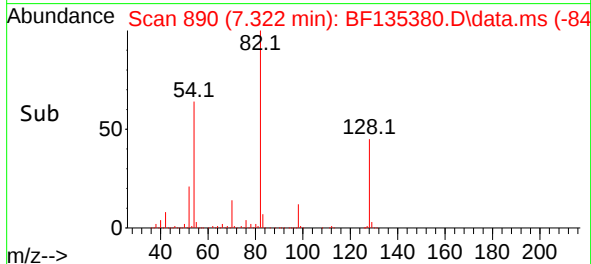
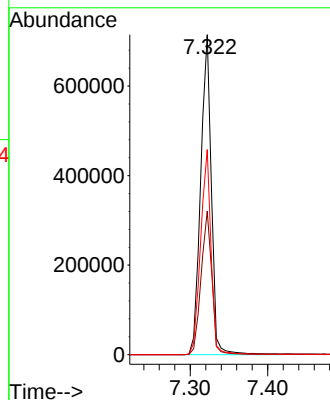
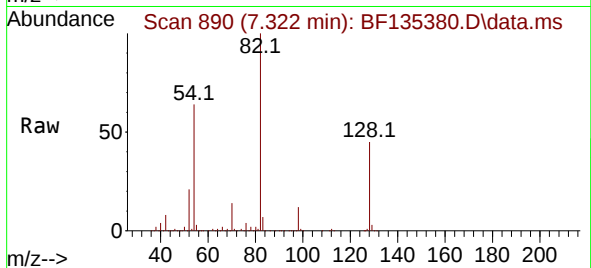
TP-3

Tgt Ion: 82 Resp: 685389
 Ion Ratio Lower Upper
 82 100
 128 44.8 35.8 53.6
 54 64.1 50.6 76.0

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 Supervised By :mohammad ahmed 09/27/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

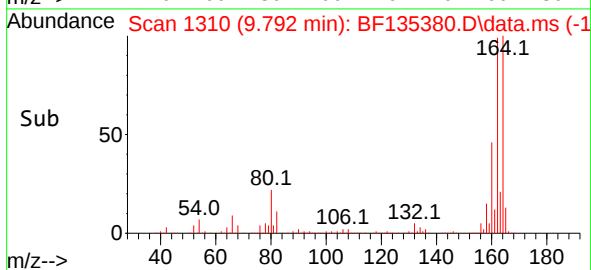
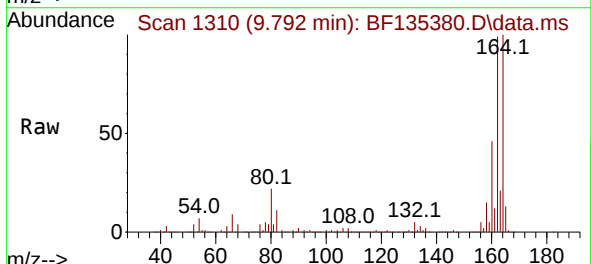
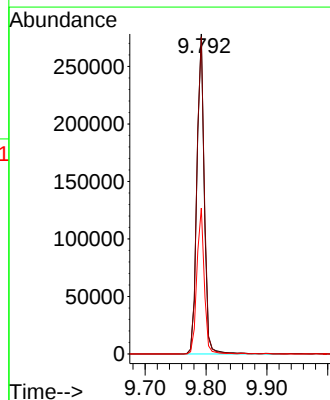
RT: 9.792 min Scan# 1310

Delta R.T. -0.011 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

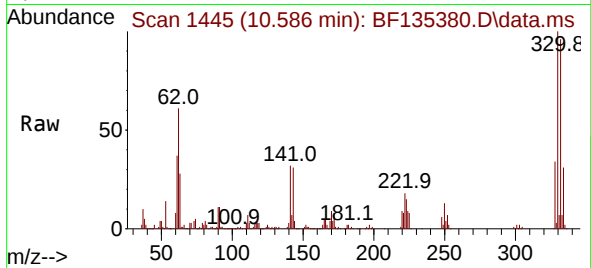
Tgt Ion:164 Resp: 233629
 Ion Ratio Lower Upper
 164 100
 162 99.1 81.0 121.4
 160 45.6 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 79.703 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

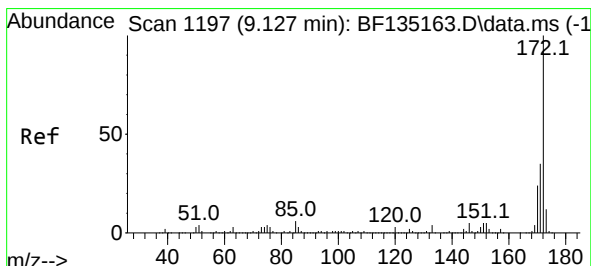
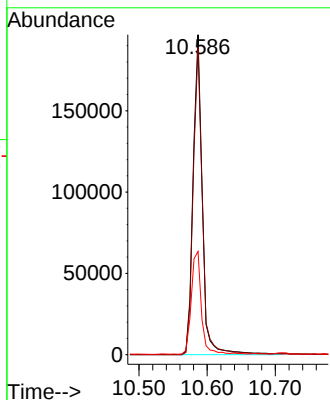
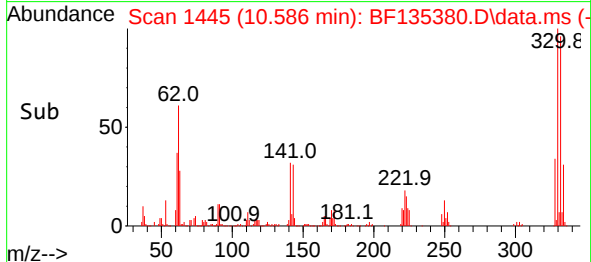
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:330 Resp: 185048
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 34.7 25.8 38.8

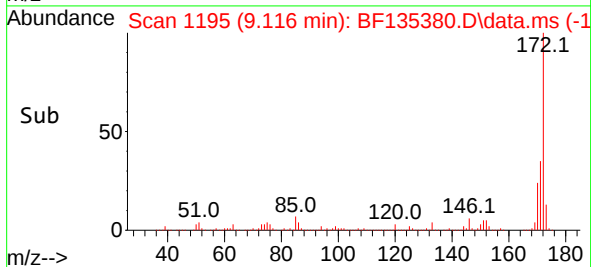
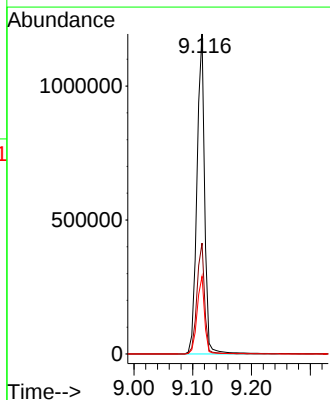
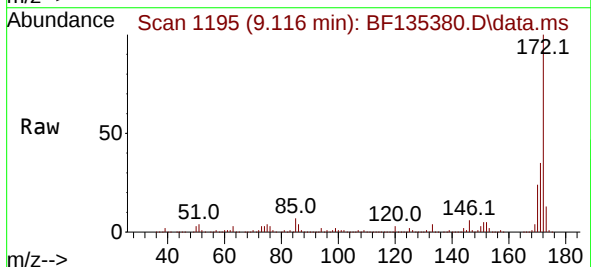
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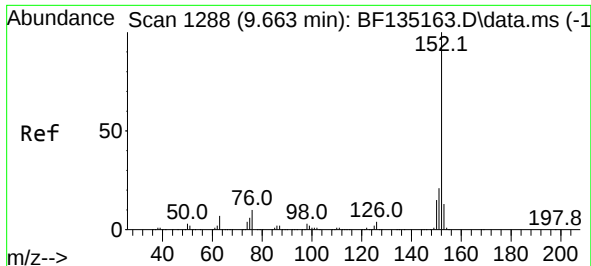
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#45
2-Fluorobiphenyl
Concen: 70.414 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

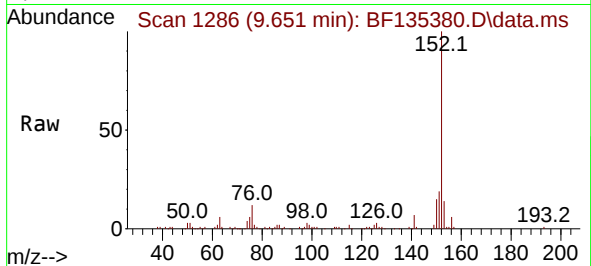
Tgt Ion:172 Resp: 1090382
Ion Ratio Lower Upper
172 100
171 34.6 28.4 42.6
170 24.2 19.0 28.4





#49
Acenaphthylene
Concen: 2.755 ng
RT: 9.651 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

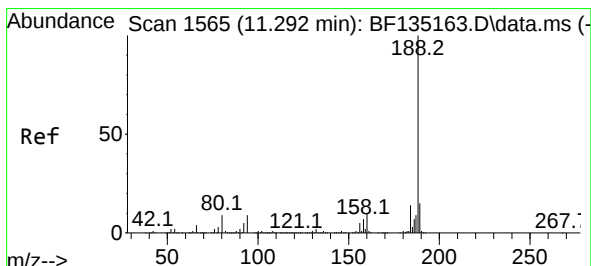
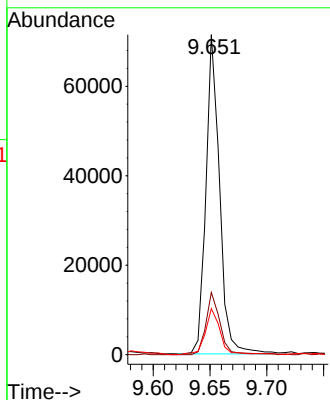
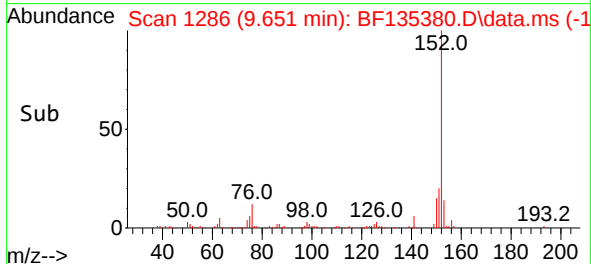
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:152 Resp: 59650
Ion Ratio Lower Upper
152 100
151 19.4 16.4 24.6
153 14.4 10.4 15.6

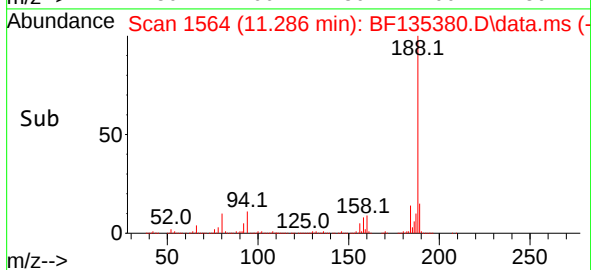
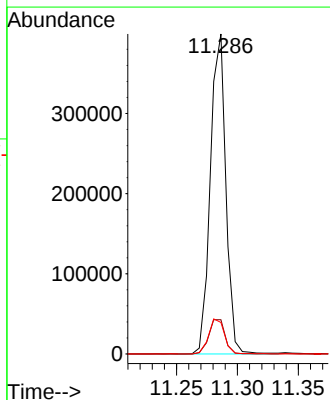
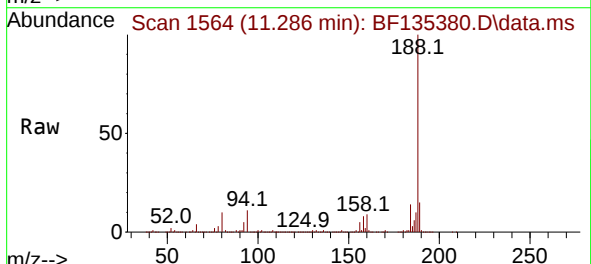
Manual Integrations
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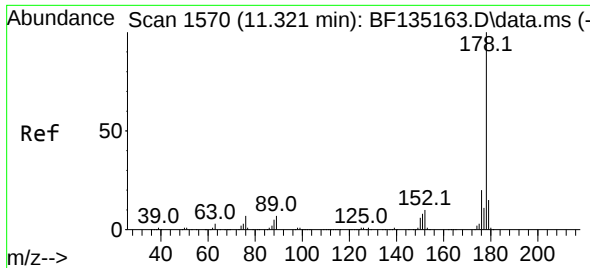
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

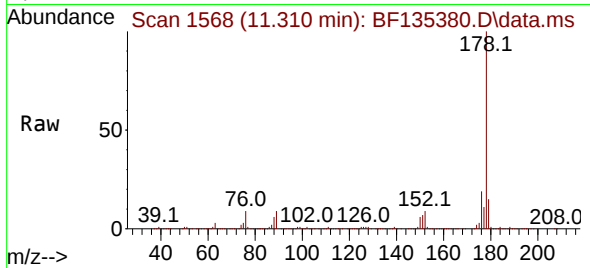
Tgt Ion:188 Resp: 354136
Ion Ratio Lower Upper
188 100
94 10.7 7.0 10.6#
80 9.9 7.5 11.3





#71
Phenanthrene
Concen: 20.806 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

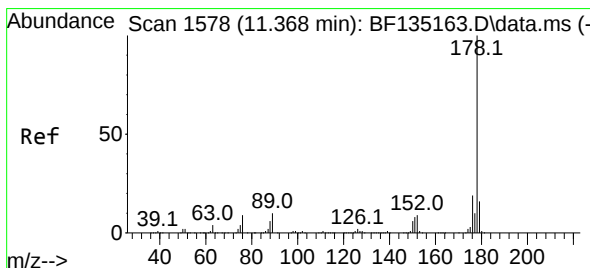
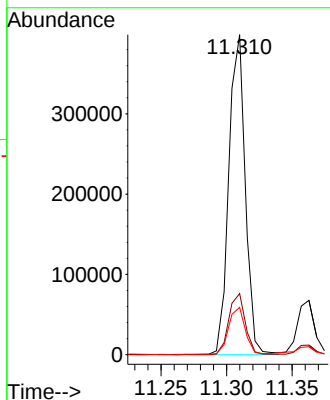
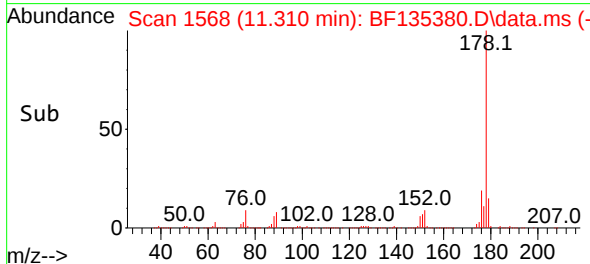
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:178 Resp: 348479
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 14.8 12.0 18.0

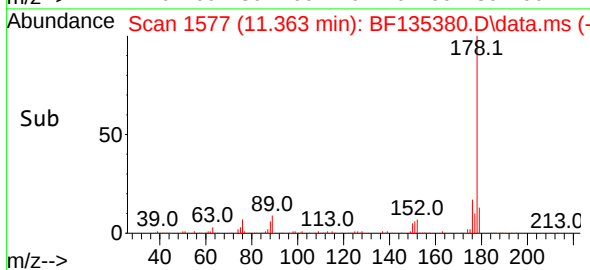
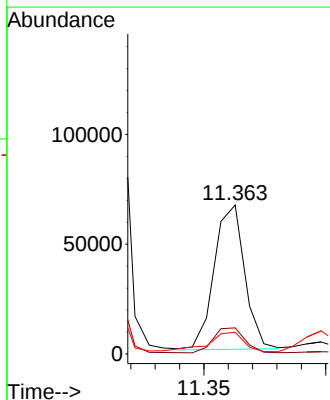
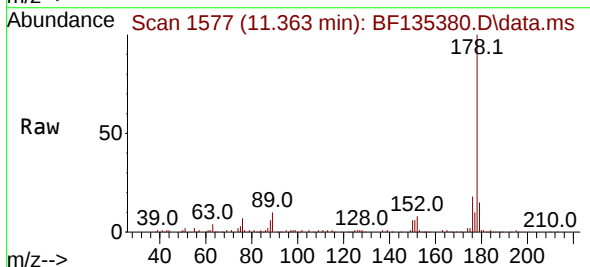
Manual Integrations
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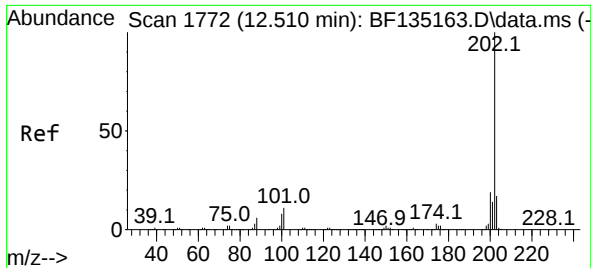
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#72
Anthracene
Concen: 3.327 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

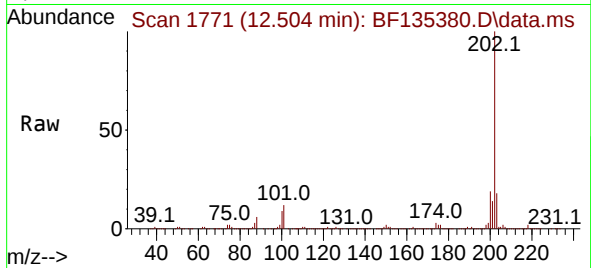
Tgt Ion:178 Resp: 57274
Ion Ratio Lower Upper
178 100
176 17.5 15.4 23.2
179 14.6 12.6 19.0





#75
Fluoranthene
Concen: 25.441 ng
RT: 12.504 min Scan# 1771
Delta R.T. -0.006 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

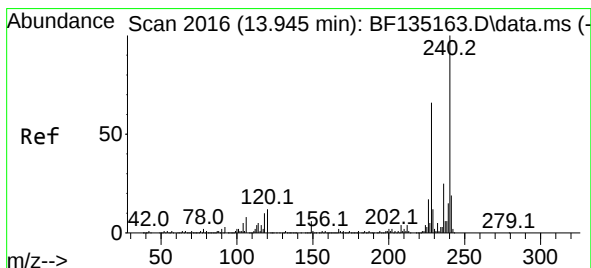
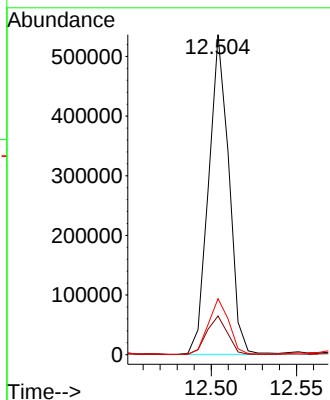
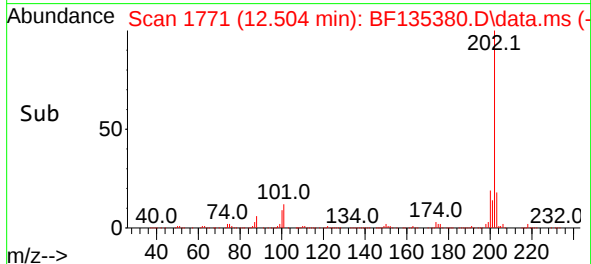
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:202 Resp: 444010
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.3
203 17.5 0.0 37.4

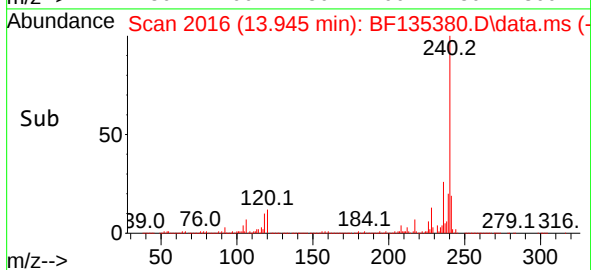
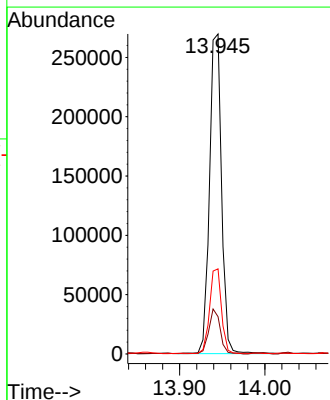
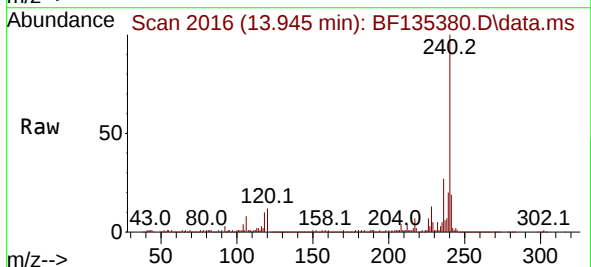
Manual Integrations
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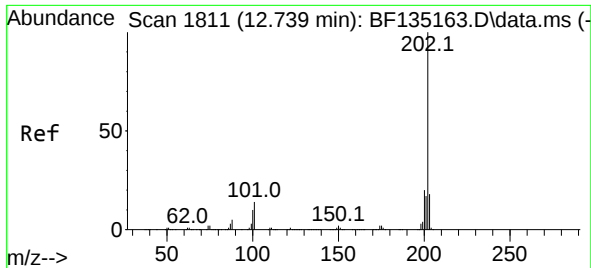
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

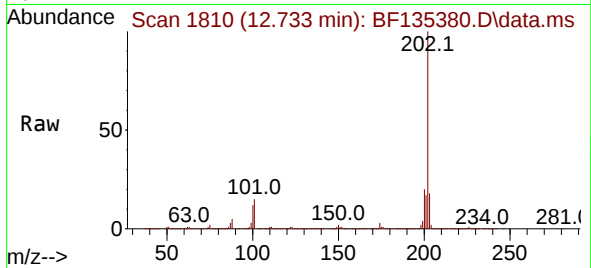
Tgt Ion:240 Resp: 264985
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.2
236 26.6 19.8 29.8





#78
Pyrene
Concen: 20.578 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

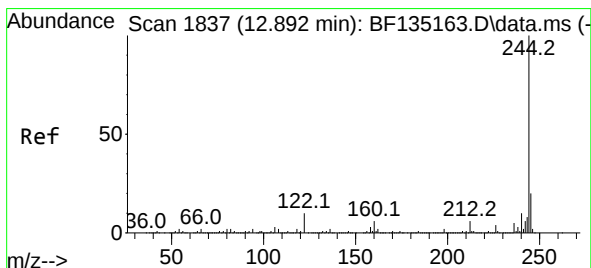
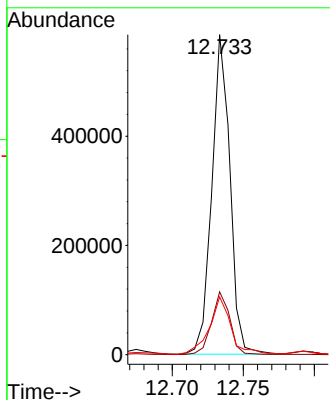
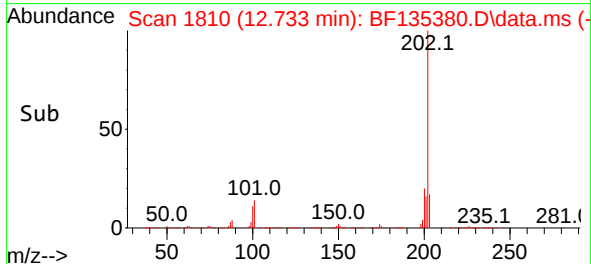
Instrument :
BNA_F
ClientSampleId :
TP-3



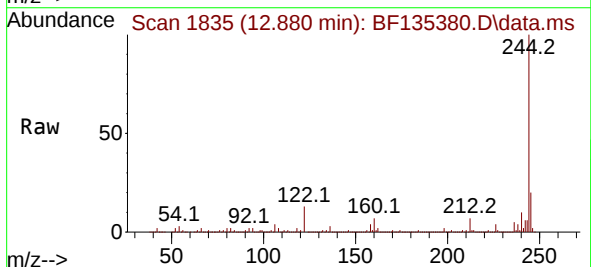
Tgt Ion:202 Resp: 51914
Ion Ratio Lower Upper
202 100
200 19.7 16.2 24.2
203 18.1 14.2 21.4

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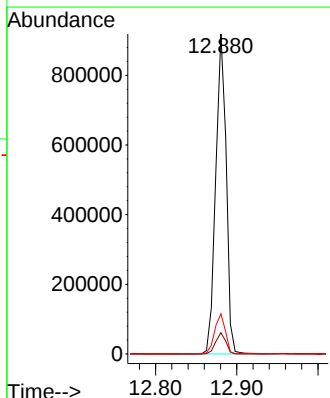
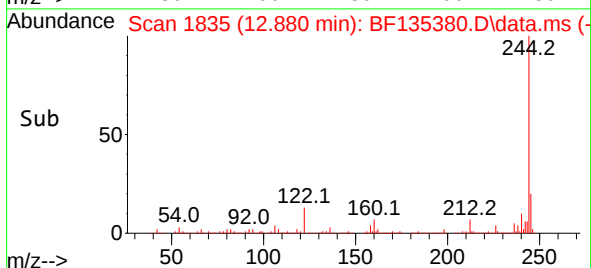
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

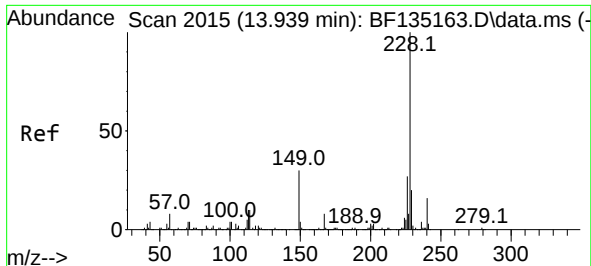


#79
Terphenyl-d14
Concen: 48.235 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04



Tgt Ion:244 Resp: 824513
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 12.6 7.9 11.9#





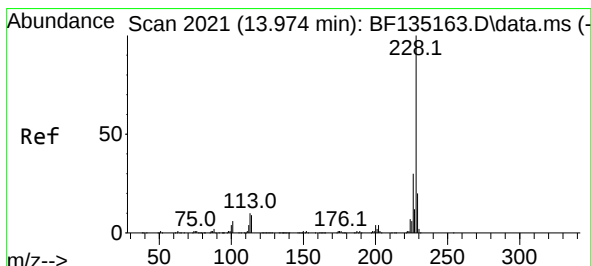
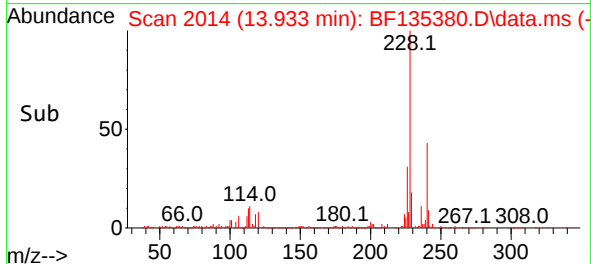
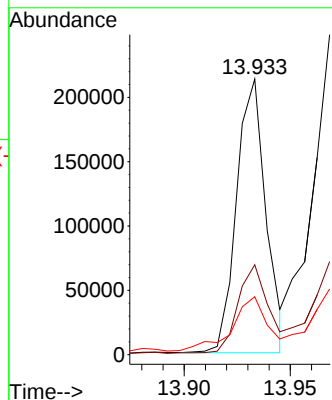
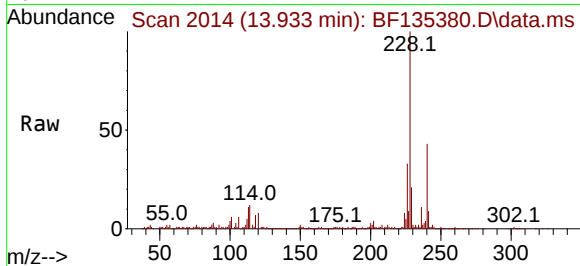
#81
Benzo(a)anthracene
Concen: 11.971 ng m
RT: 13.933 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:228 Resp: 20482
Ion Ratio Lower Upper
228 100
226 32.6 21.7 32.5
229 21.0 15.8 23.8

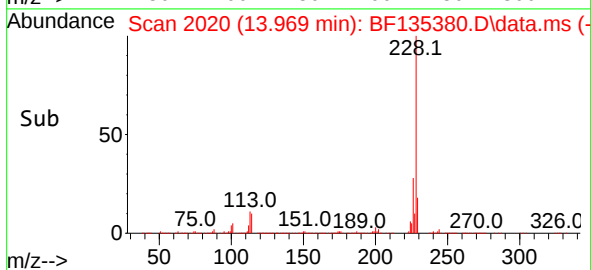
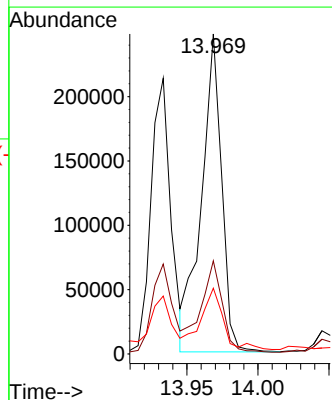
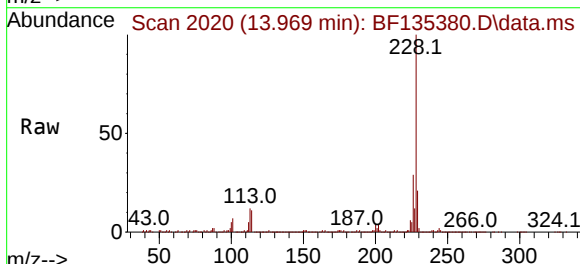
Manual Integrations
APPROVED

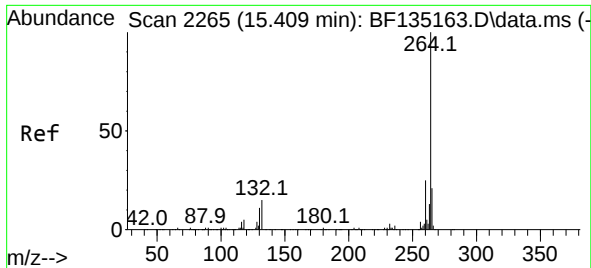
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#83
Chrysene
Concen: 14.426 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

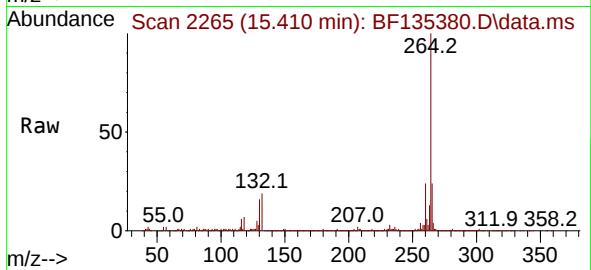
Tgt Ion:228 Resp: 245421
Ion Ratio Lower Upper
228 100
226 29.1 24.3 36.5
229 20.6 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

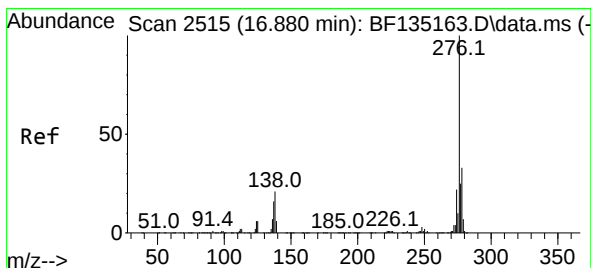
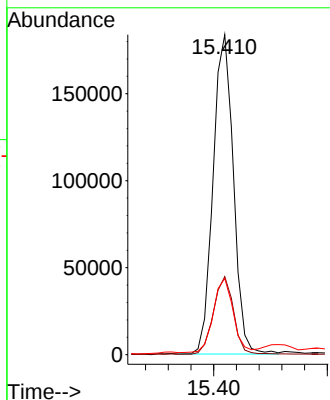
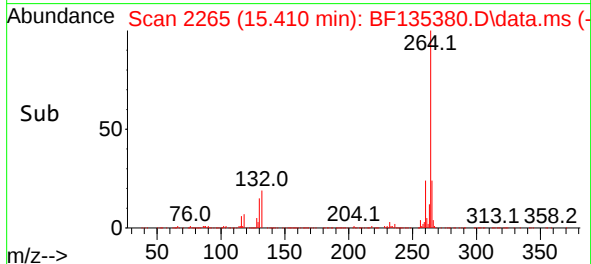
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:264 Resp: 228390
Ion Ratio Lower Upper
264 100
260 24.4 19.8 29.6
265 23.8 17.0 25.4

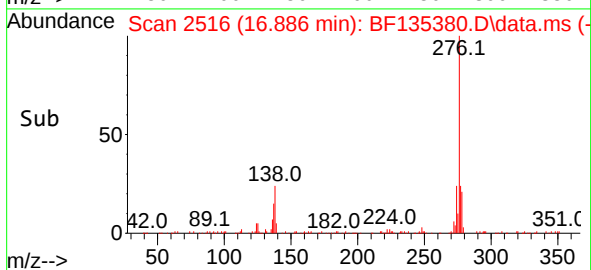
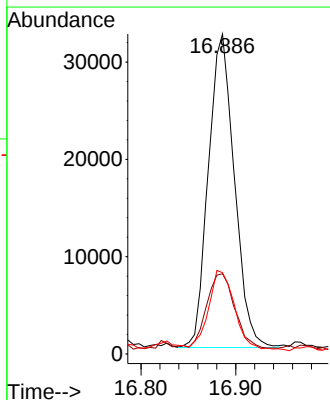
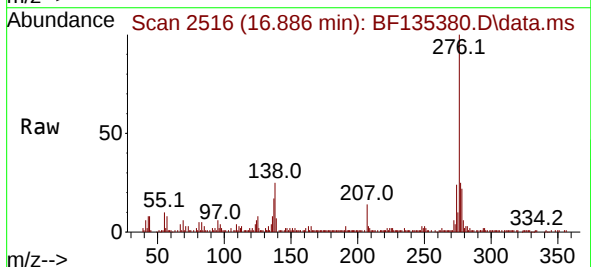
Manual Integrations
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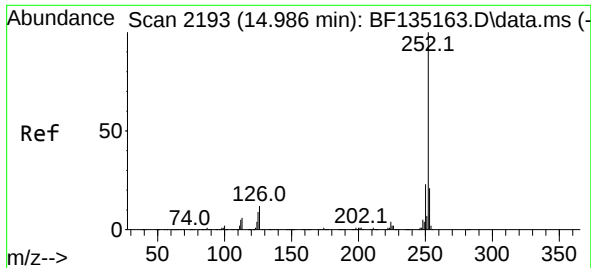
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.116 ng
RT: 16.886 min Scan# 2516
Delta R.T. 0.006 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

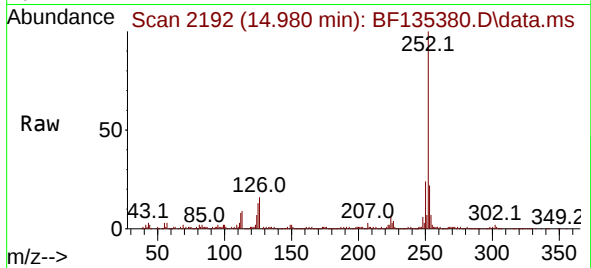
Tgt Ion:276 Resp: 61633
Ion Ratio Lower Upper
276 100
138 27.2 19.2 28.8
277 26.2 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 14.639 ng m
RT: 14.980 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

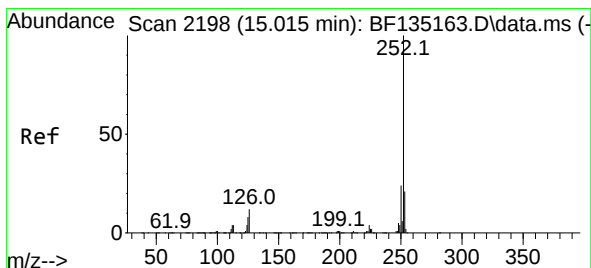
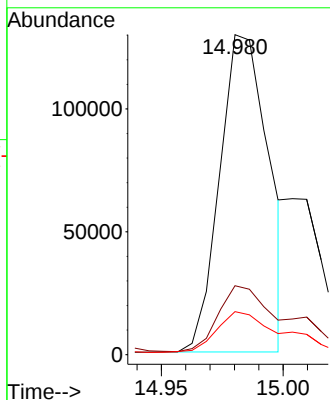
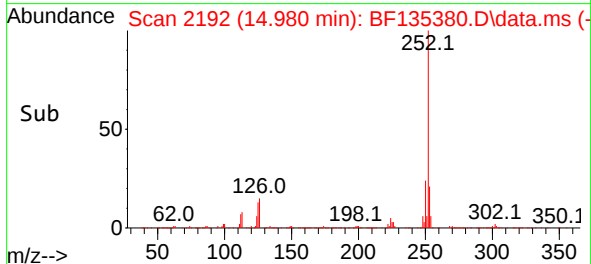
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:252 Resp: 18099
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 13.5 7.1 10.7

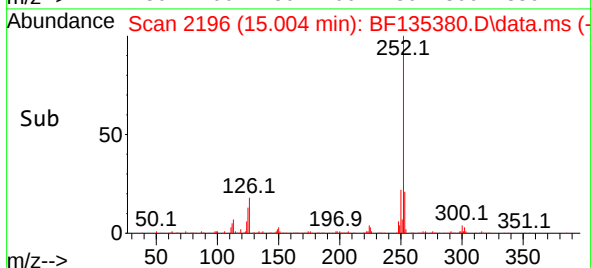
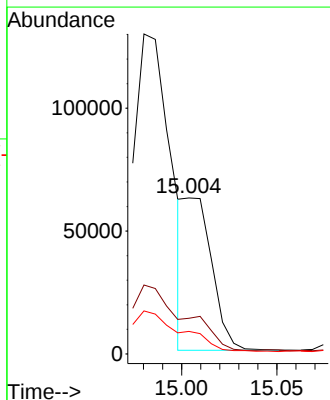
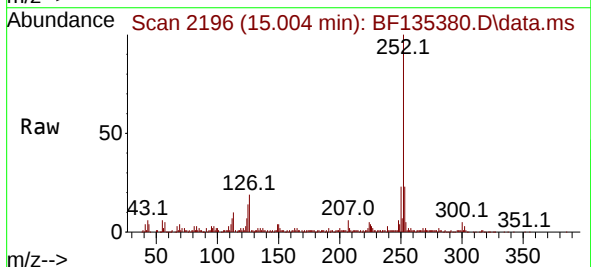
Manual Integrations
APPROVED

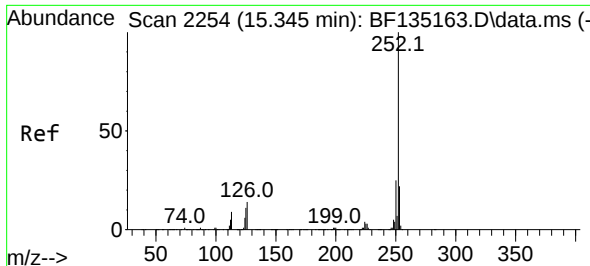
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#89
Benzo(k)fluoranthene
Concen: 5.089 ng m
RT: 15.004 min Scan# 2196
Delta R.T. -0.011 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

Tgt Ion:252 Resp: 62155
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 14.4 7.2 10.8





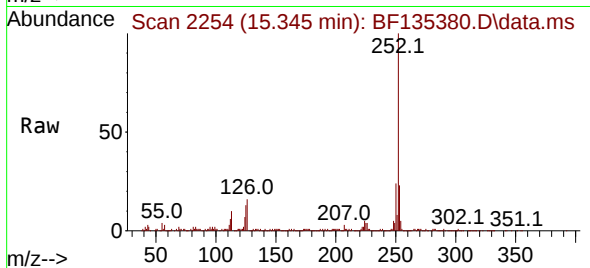
#90
Benzo(a)pyrene
Concen: 11.591 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3

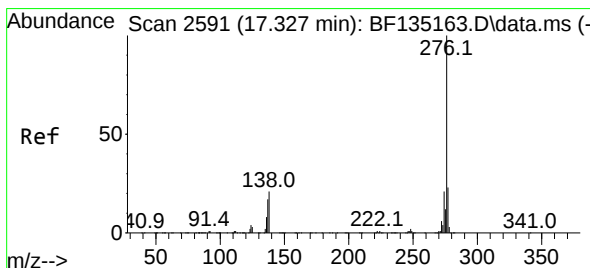
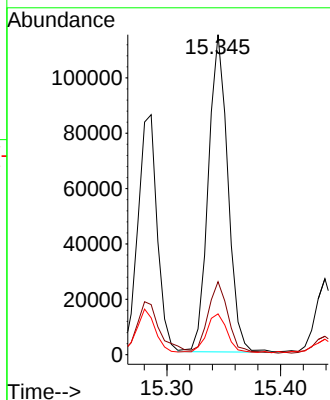
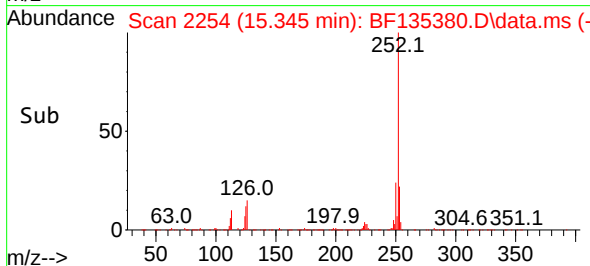


Tgt Ion:252 Resp: 136660
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 12.8 9.2 13.8

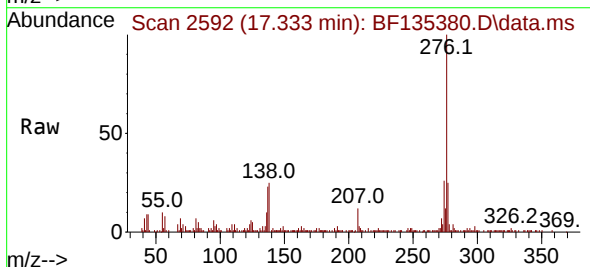
Manual Integrations

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



#92
Benzo(g,h,i)perylene
Concen: 5.238 ng
RT: 17.333 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04



Tgt Ion:276 Resp: 67028
Ion Ratio Lower Upper
276 100
277 25.0 18.8 28.2
138 24.9 16.9 25.3

