

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
 Data File : BF135796.D
 Acq On : 17 Oct 2023 01:28
 Operator : CG\JU
 Sample : 04704-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-4(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2023
 Supervised By :mohammad ahmed 10/17/2023

Quant Time: Oct 17 02:01:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	119772	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	460556	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	220963	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	349507	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	235008	20.000	ng	-0.01
86) Perylene-d12	15.416	264	218771	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	415123	55.724	ng	0.00
7) Phenol-d6	6.387	99	607817	65.391	ng	-0.01
23) Nitrobenzene-d5	7.304	82	387663	46.294	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	72635	34.257	ng	-0.02
45) 2-Fluorobiphenyl	9.092	172	661287	46.792	ng	-0.01
79) Terphenyl-d14	12.863	244	489460	38.570	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.040	128	48803	2.172	ng	98
71) Phenanthrene	11.292	178	199346	11.906	ng	99
72) Anthracene	11.351	178	36760	2.119	ng	98
75) Fluoranthene	12.492	202	189970	10.223	ng	99
78) Pyrene	12.722	202	237413	12.713	ng	98
81) Benzo(a)anthracene	13.927	228	99668	6.457	ng	99
83) Chrysene	13.963	228	91477	6.118	ng	99
87) Indeno(1,2,3-cd)pyrene	16.927	276	24716	2.073	ng	99
88) Benzo(b)fluoranthene	14.986	252	73084m	5.969	ng	
89) Benzo(k)fluoranthene	15.016	252	26537m	2.232	ng	
90) Benzo(a)pyrene	15.357	252	61311	5.325	ng	96
92) Benzo(g,h,i)perylene	17.380	276	25292	2.520	ng	95

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

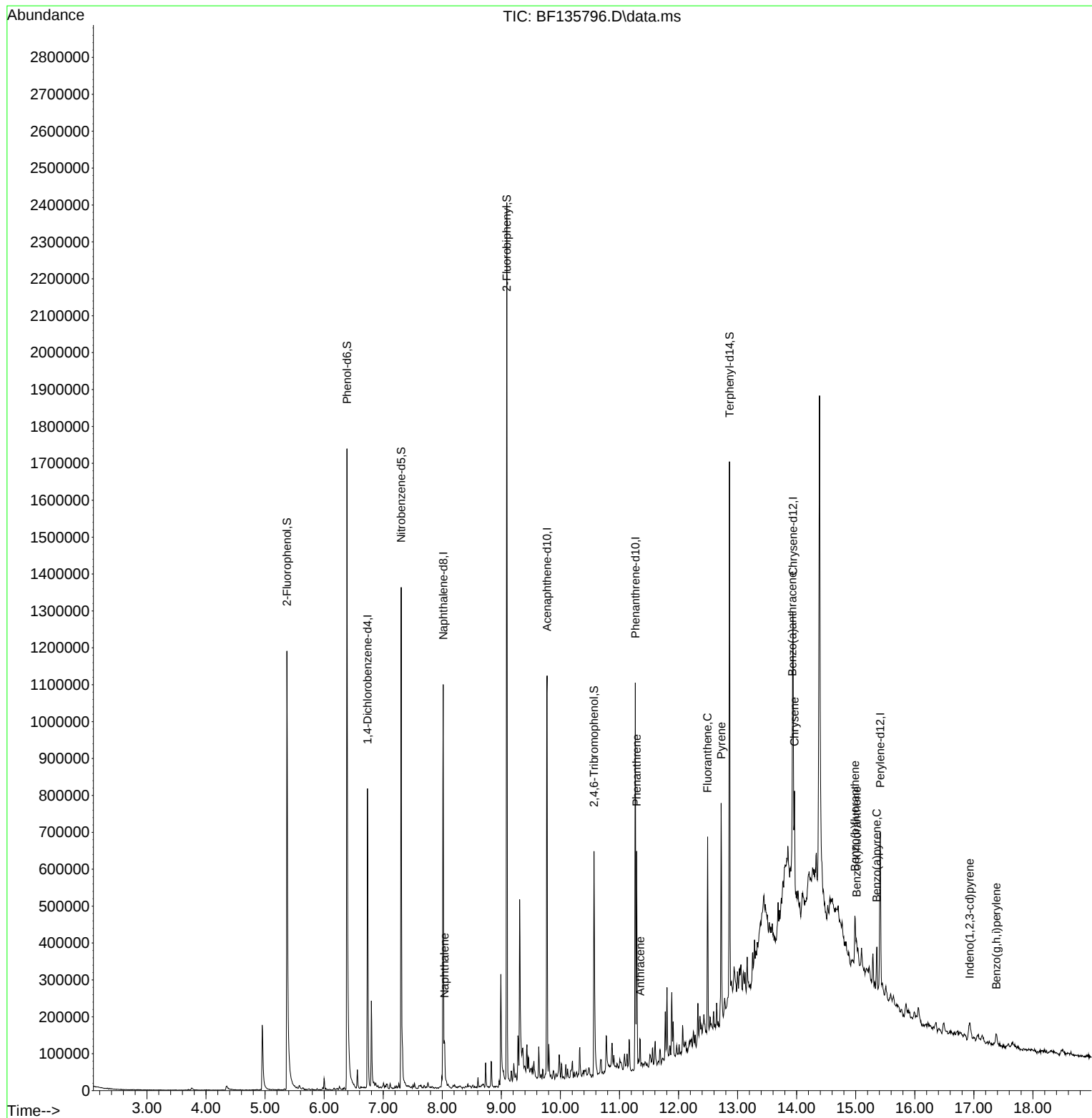
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135796.D
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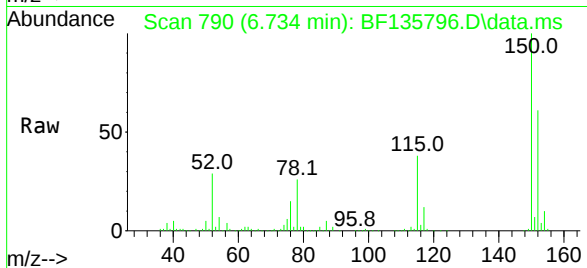
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

Instrument :

BNA_F

ClientSampleId :

S-4(0-5)

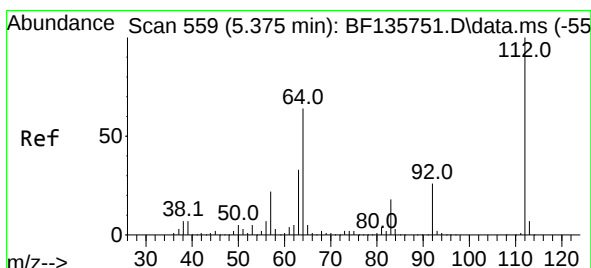
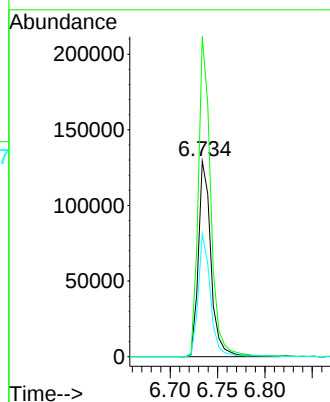
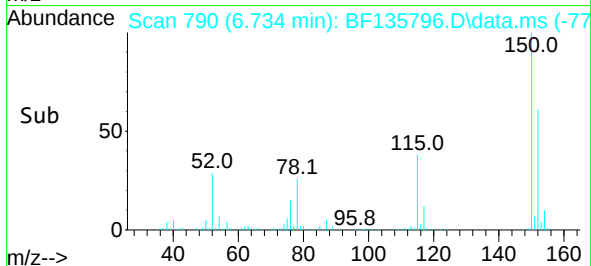


Tgt Ion:152 Resp: 119772
Ion Ratio Lower Upper
152 100
150 163.6 124.5 186.7
115 62.7 49.0 73.4

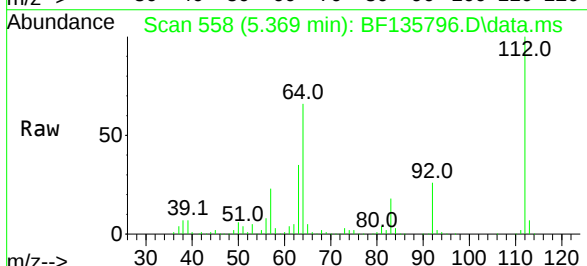
Manual Integrations

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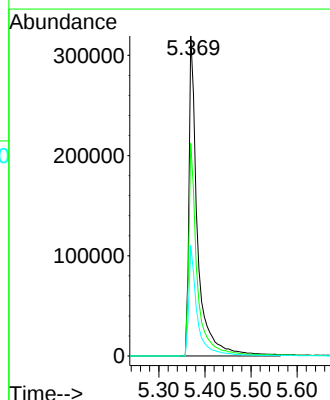
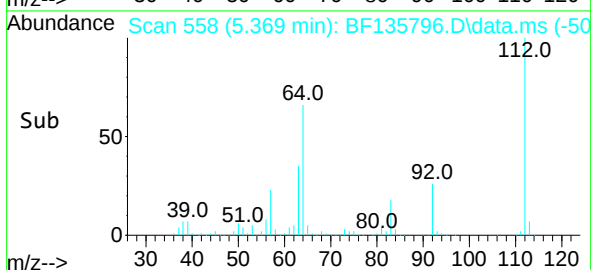
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/17/2023

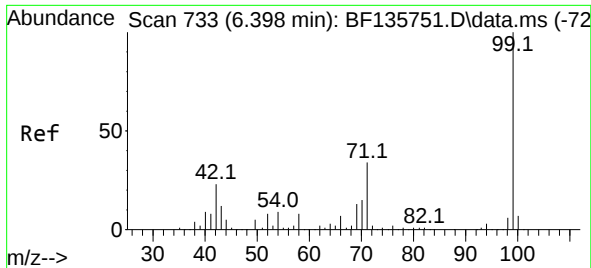


#5
2-Fluorophenol
Concen: 55.724 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28



Tgt Ion:112 Resp: 415123
Ion Ratio Lower Upper
112 100
64 66.5 51.2 76.8
63 34.5 26.1 39.1





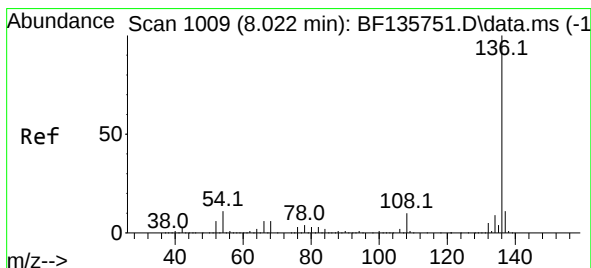
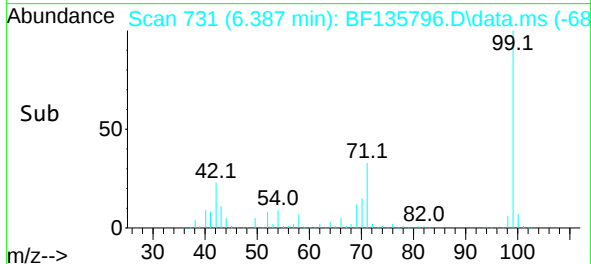
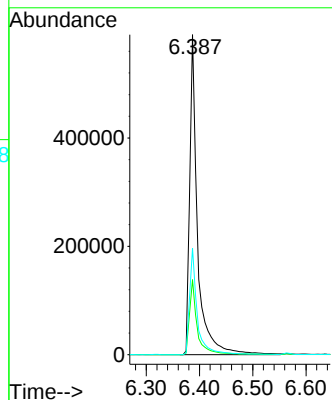
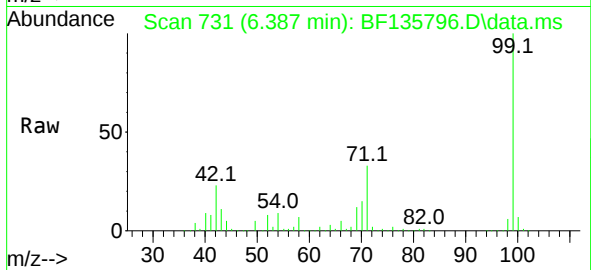
#7
Phenol-d6
Concen: 65.391 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

Instrument :
BNA_F
ClientSampleId :
S-4(0-5)

Tgt Ion: 99 Resp: 60781
Ion Ratio Lower Upper
99 100
42 23.5 18.4 27.6
71 33.3 27.2 40.8

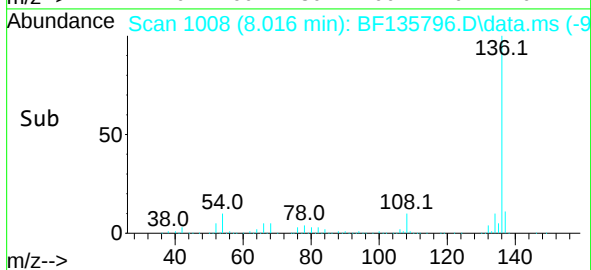
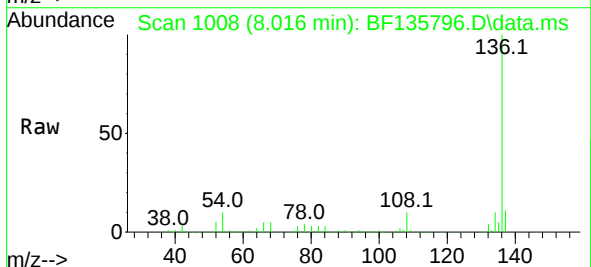
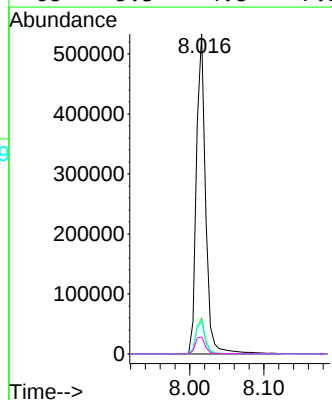
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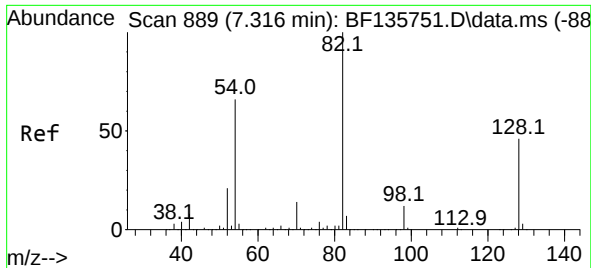
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/17/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

Tgt Ion:136 Resp: 460556
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 10.1 8.5 12.7
68 5.3 4.8 7.2





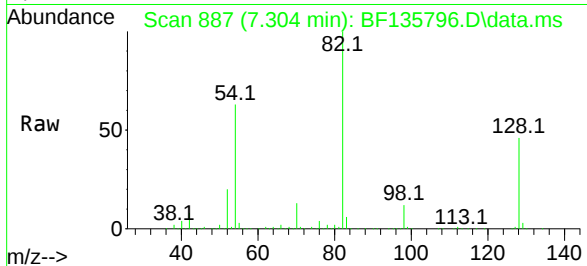
#23
Nitrobenzene-d5
Concen: 46.294 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

Instrument :

BNA_F

ClientSampleId :

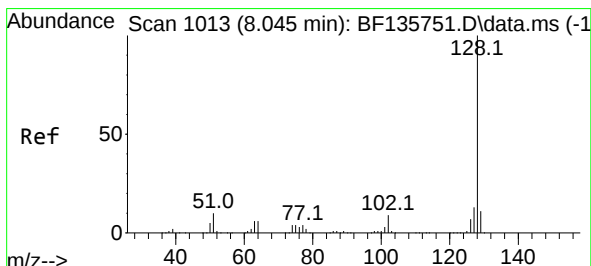
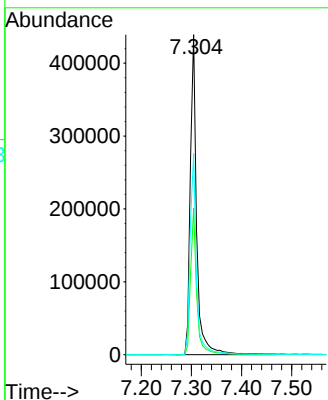
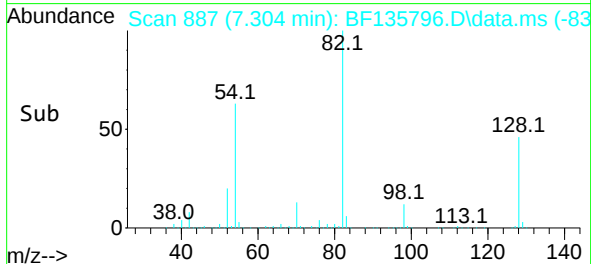
S-4(0-5)



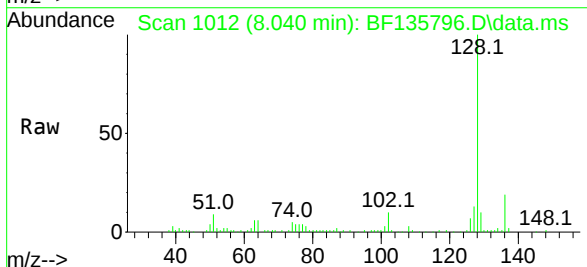
Tgt Ion: 82 Resp: 38766
Ion Ratio Lower Upper
82 100
128 45.7 37.0 55.6
54 62.9 52.8 79.2

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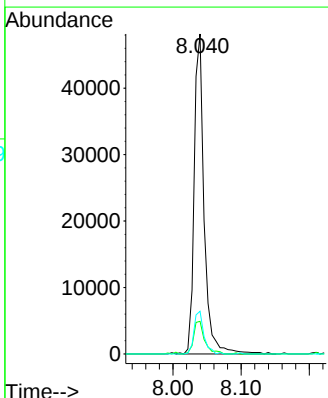
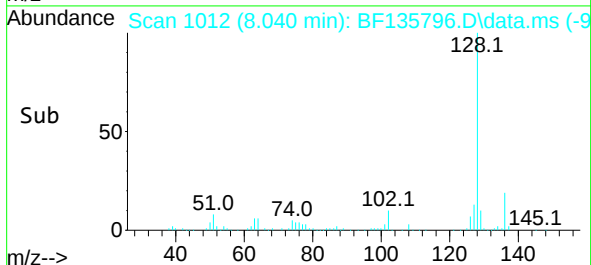
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/17/2023

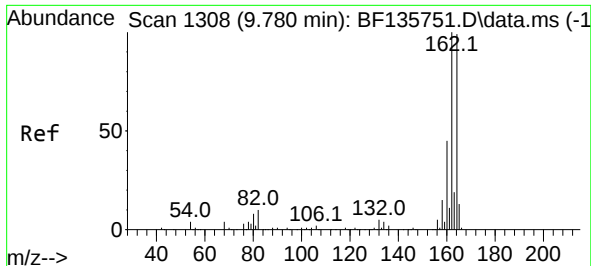


#31
Naphthalene
Concen: 2.172 ng
RT: 8.040 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28



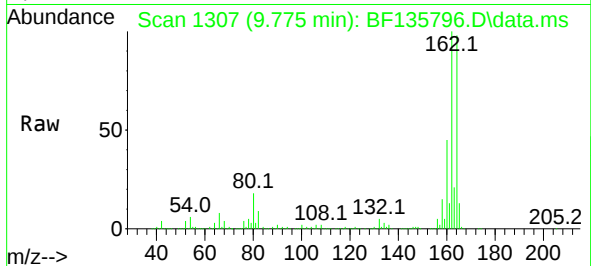
Tgt Ion:128 Resp: 48803
Ion Ratio Lower Upper
128 100
129 10.2 8.7 13.1
127 13.3 10.2 15.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

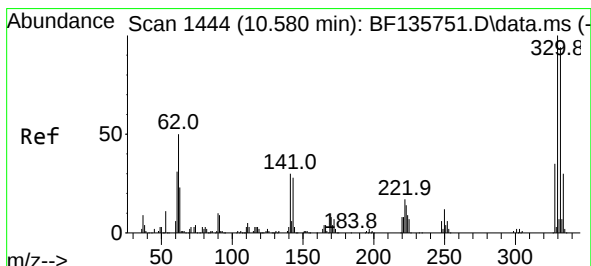
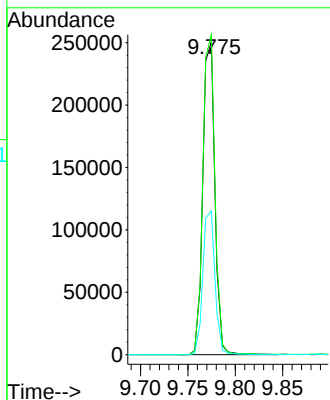
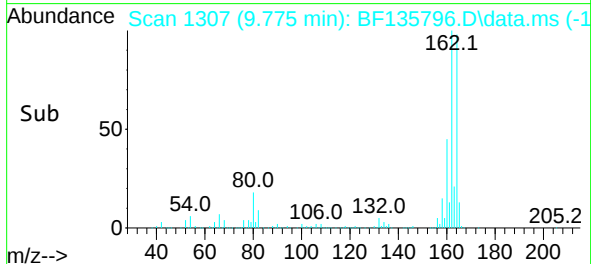
Instrument :
BNA_F
ClientSampleId :
S-4(0-5)



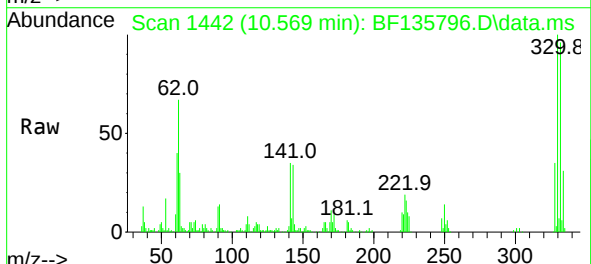
Tgt Ion:164 Resp: 22096
Ion Ratio Lower Upper
164 100
162 102.3 80.8 121.2
160 45.9 36.6 54.8

Manual Integrations
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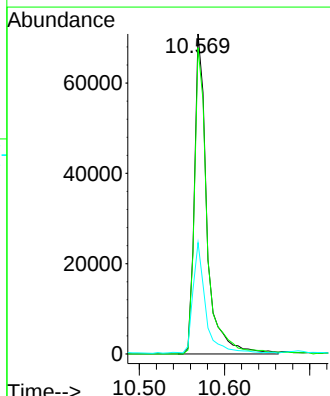
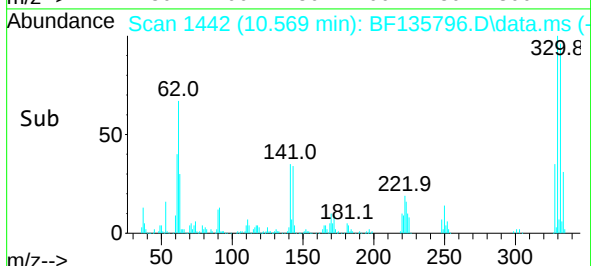
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/17/2023

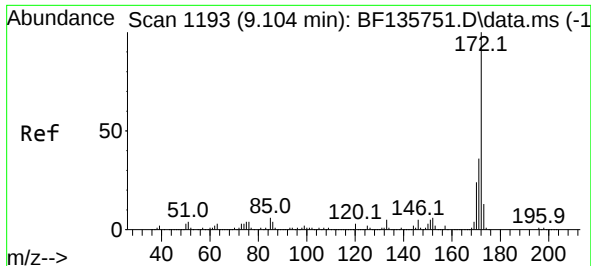


#42
2,4,6-Tribromophenol
Concen: 34.257 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.018 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28



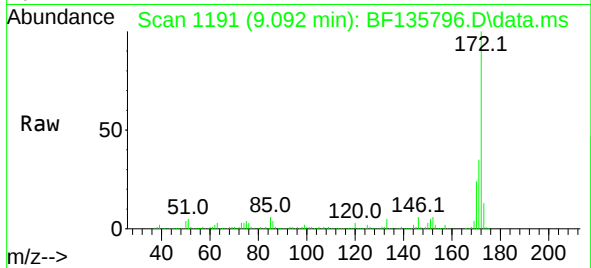
Tgt Ion:330 Resp: 72635
Ion Ratio Lower Upper
330 100
332 98.1 75.0 112.4
141 35.1 25.8 38.6





#45
2-Fluorobiphenyl
Concen: 46.792 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

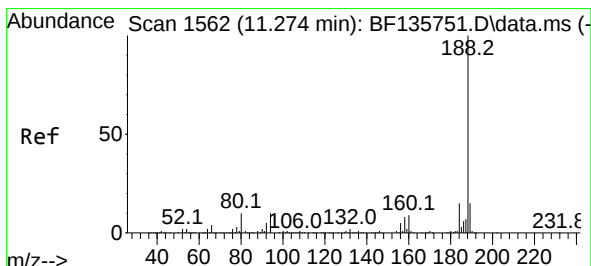
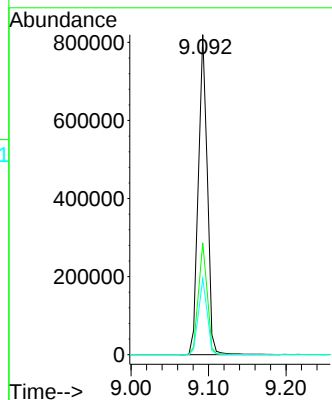
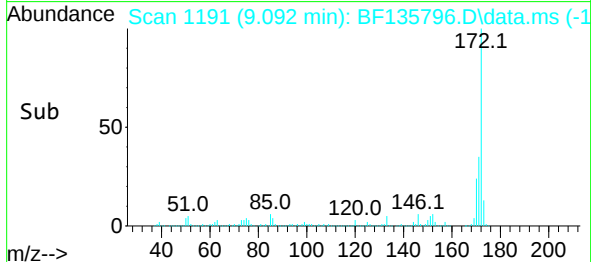
Instrument :
BNA_F
ClientSampleId :
S-4(0-5)



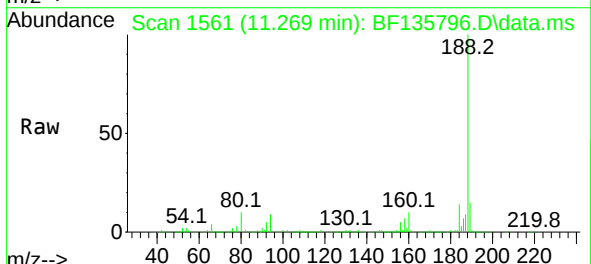
Tgt Ion:172 Resp: 66128
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.7 18.8 28.2

Manual Integrations
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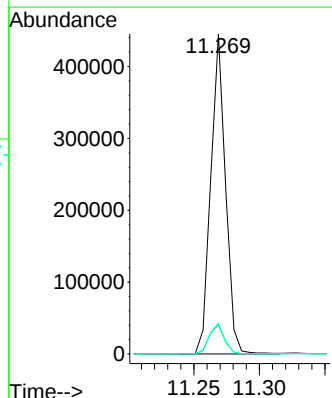
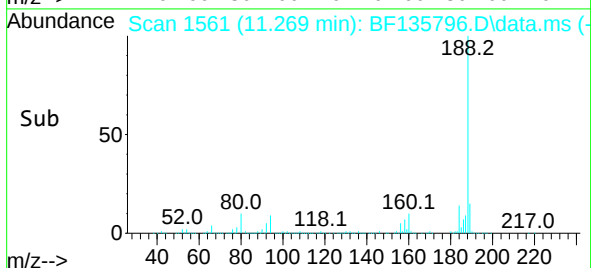
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/17/2023

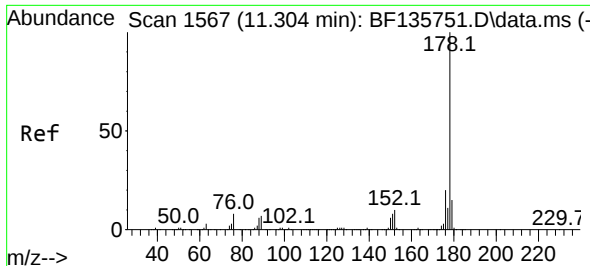


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28



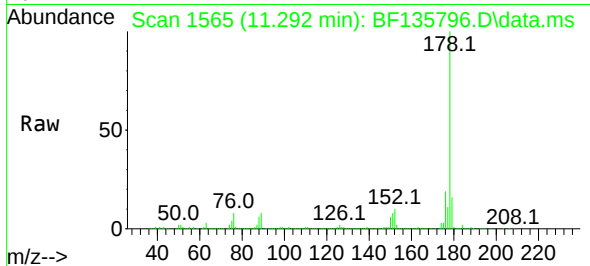
Tgt Ion:188 Resp: 349507
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 9.6 8.3 12.5





#71
Phenanthrene
Concen: 11.906 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

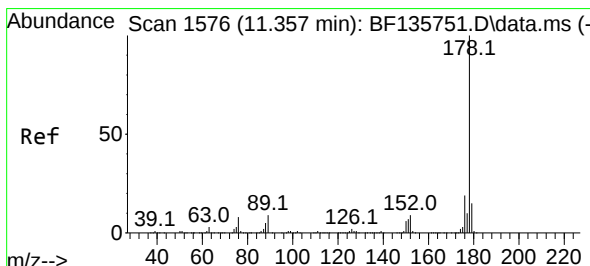
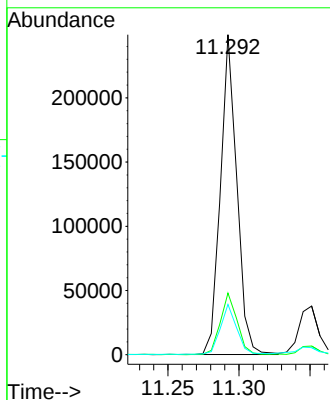
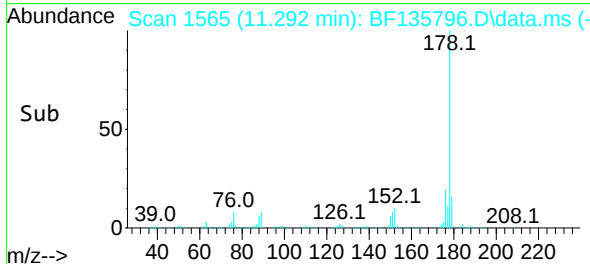
Instrument :
BNA_F
ClientSampleId :
S-4(0-5)



Tgt Ion:178 Resp: 199340
Ion Ratio Lower Upper
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176 19.2 16.0 24.0
179 15.7 12.2 18.4

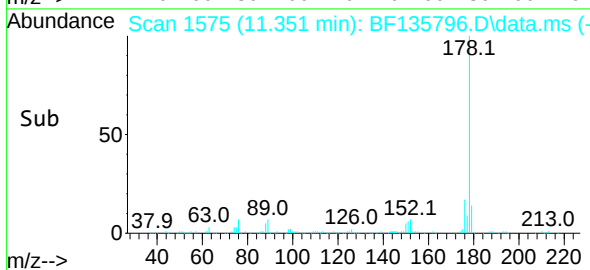
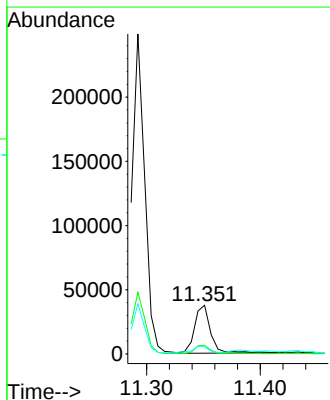
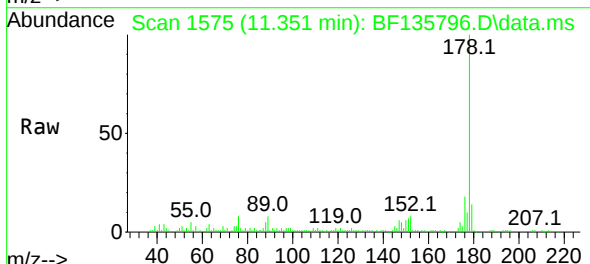
Manual Integrations
APPROVED

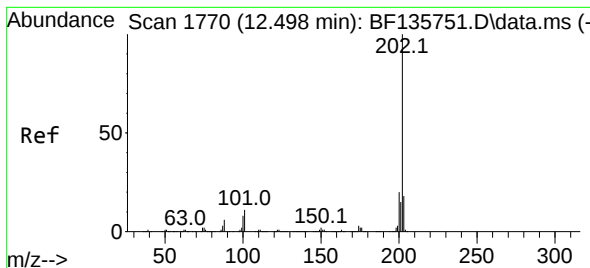
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/17/2023



#72
Anthracene
Concen: 2.119 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

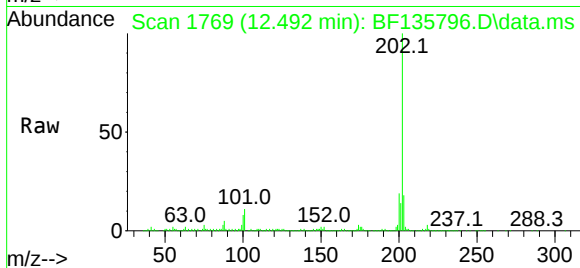
Tgt Ion:178 Resp: 36760
Ion Ratio Lower Upper
178 100
176 17.8 15.1 22.7
179 14.4 12.3 18.5





#75
Fluoranthene
Concen: 10.223 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

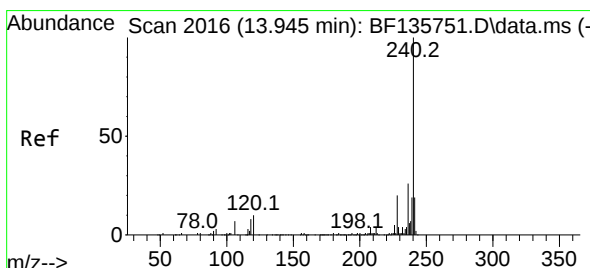
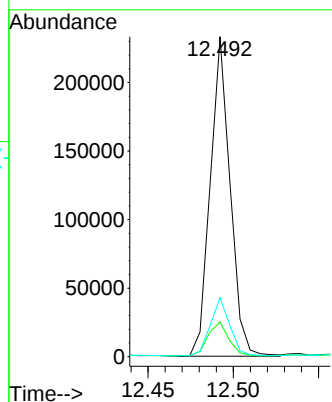
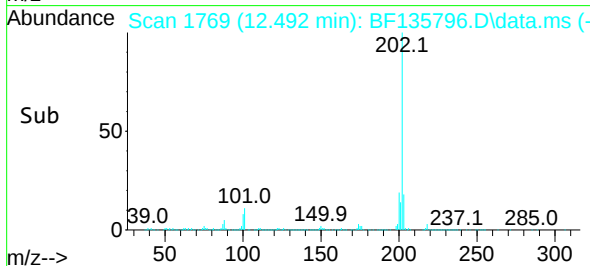
Instrument :
BNA_F
ClientSampleId :
S-4(0-5)



Tgt Ion:202 Resp: 189970
Ion Ratio Lower Upper
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101 10.9 0.0 31.5
203 18.5 0.0 38.3

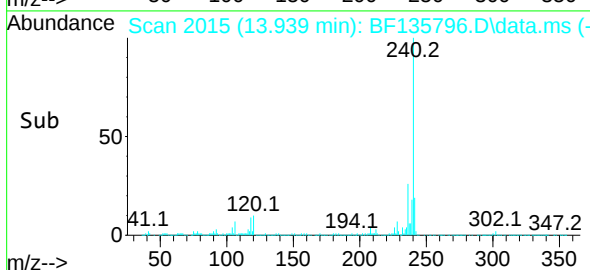
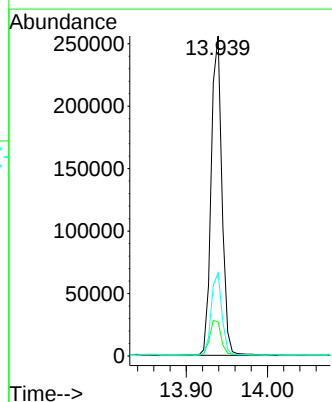
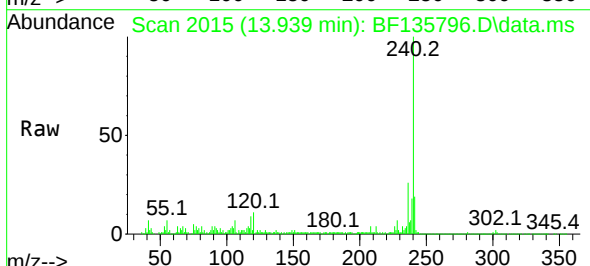
Manual Integrations
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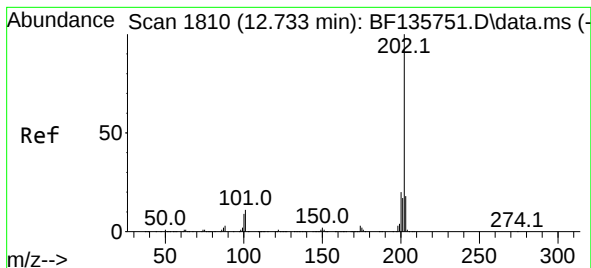
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/17/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

Tgt Ion:240 Resp: 235008
Ion Ratio Lower Upper
240 100
120 10.6 8.2 12.2
236 26.0 21.2 31.8





#78

Pyrene

Concen: 12.713 ng

RT: 12.722 min Scan# 1808

Delta R.T. -0.012 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Instrument :

BNA_F

ClientSampleId :

S-4(0-5)

Tgt Ion:202 Resp: 23741

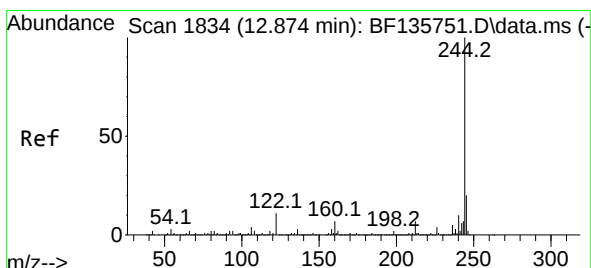
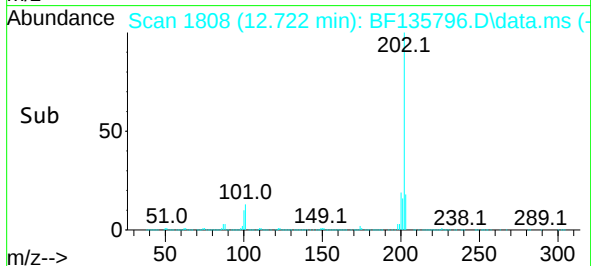
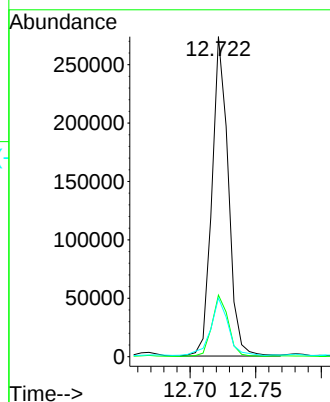
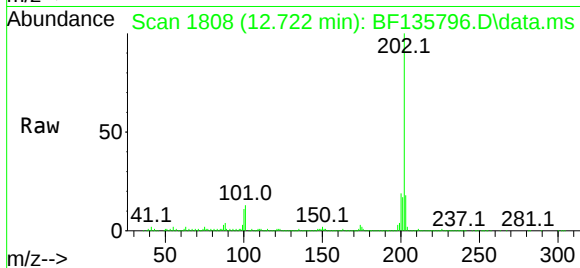
Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.1	24.1
203	18.3	14.2	21.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/17/2023



#79

Terphenyl-d14

Concen: 38.570 ng

RT: 12.863 min Scan# 1832

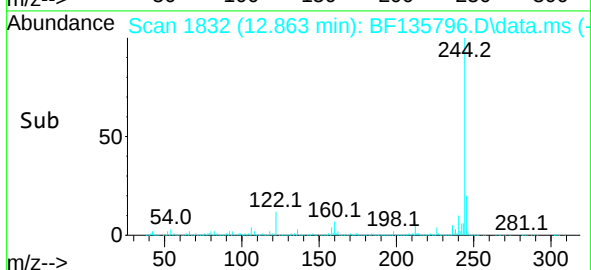
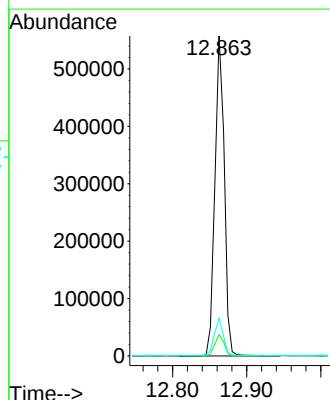
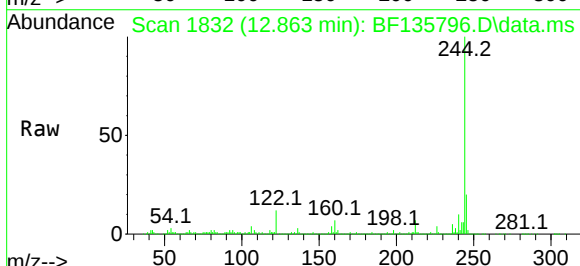
Delta R.T. -0.018 min

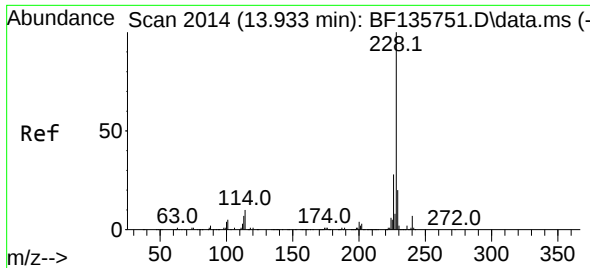
Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Tgt Ion:244 Resp: 489460

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.8	9.0	13.6





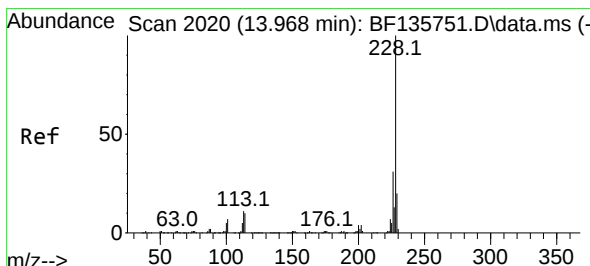
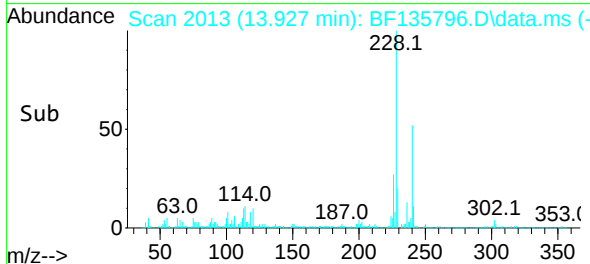
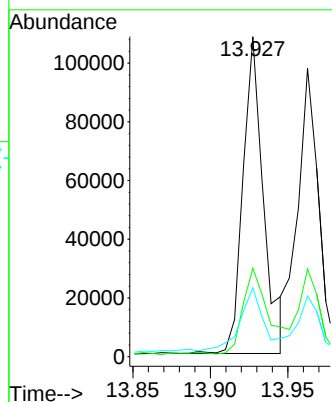
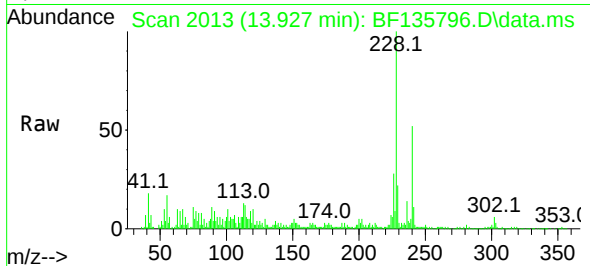
#81
Benzo(a)anthracene
Concen: 6.457 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

Instrument :
BNA_F
ClientSampleId :
S-4(0-5)

Tgt Ion:228 Resp: 9966
Ion Ratio Lower Upper
228 100
226 27.6 22.2 33.2
229 21.5 16.1 24.1

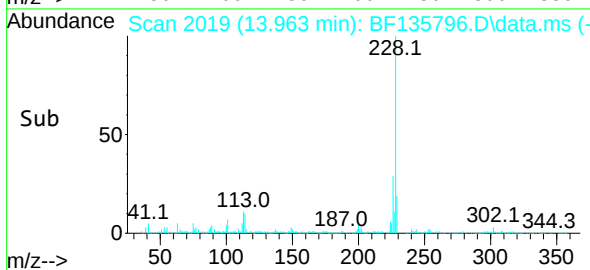
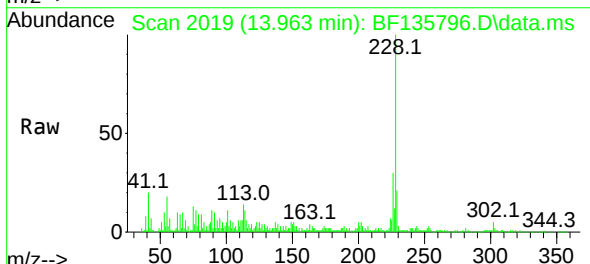
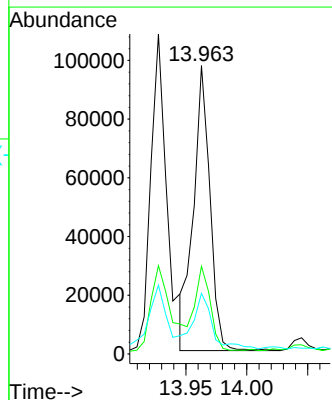
Manual Integrations
APPROVED

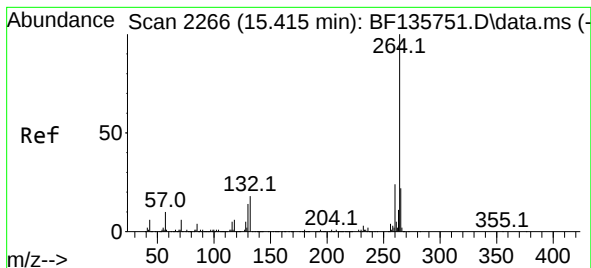
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/17/2023



#83
Chrysene
Concen: 6.118 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

Tgt Ion:228 Resp: 91477
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 21.0 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.416 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Instrument :

BNA_F

ClientSampleId :

S-4(0-5)

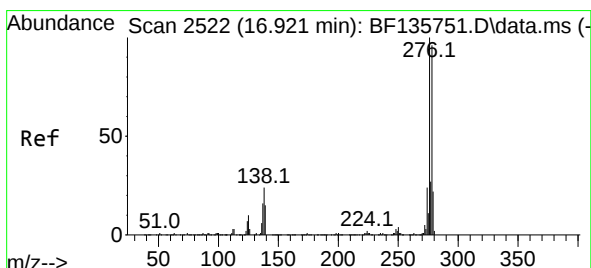
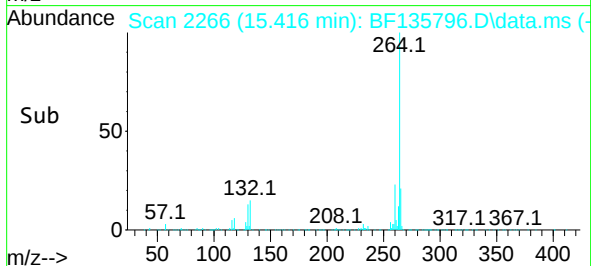
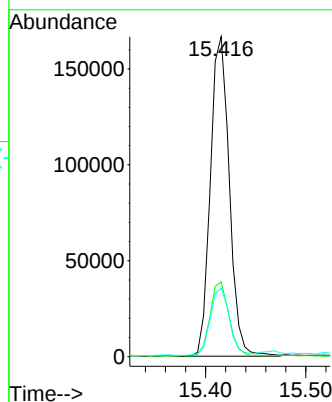
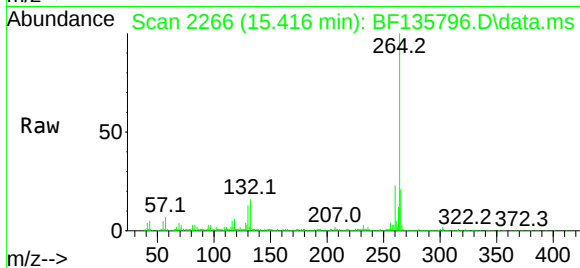
Tgt Ion:	264	Resp:	21877
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	21.4	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/17/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.073 ng

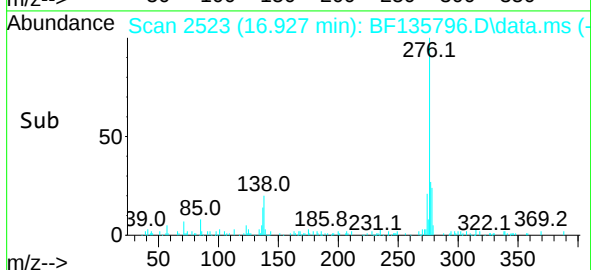
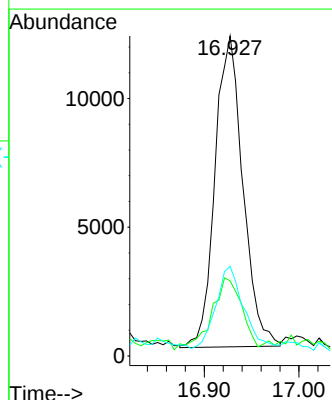
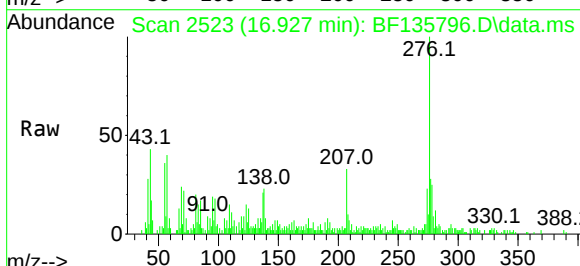
RT: 16.927 min Scan# 2523

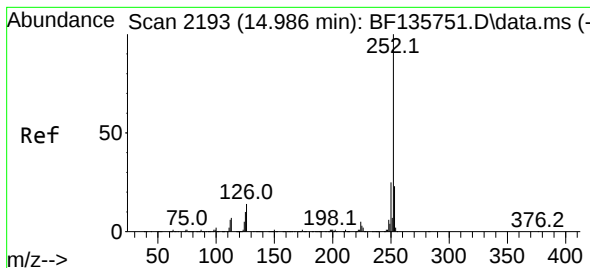
Delta R.T. -0.006 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Tgt Ion:	276	Resp:	24716
Ion Ratio	Lower	Upper	
276	100		
138	25.5	19.8	29.6
277	25.9	20.2	30.4





#88

Benzo(b)fluoranthene

Concen: 5.969 ng m

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Instrument :

BNA_F

ClientSampleId :

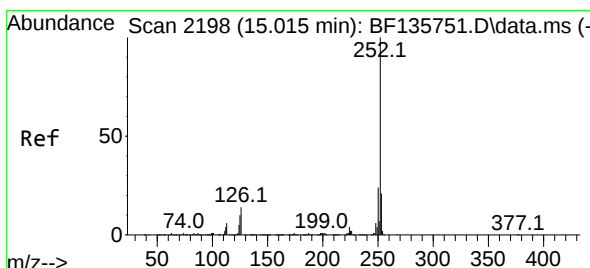
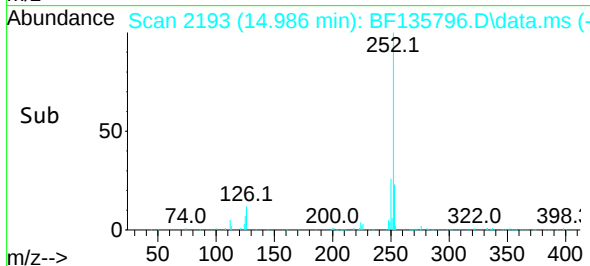
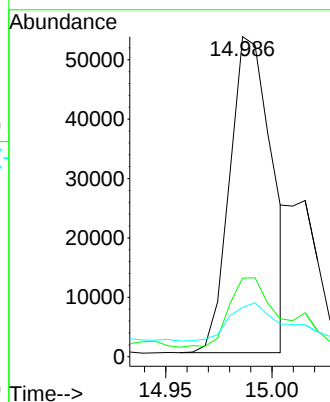
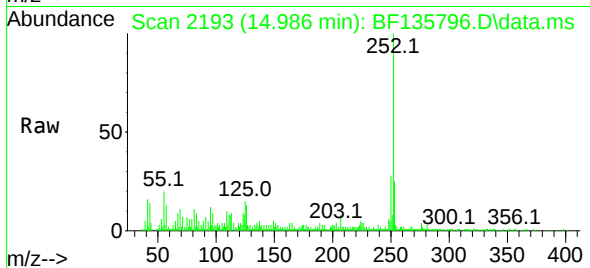
S-4(0-5)

Tgt Ion:252 Resp: 73084
 Ion Ratio Lower Upper
 252 100
 253 24.6 18.2 27.2
 125 15.4 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023
 Supervised By :mohammad ahmed 10/17/2023



#89

Benzo(k)fluoranthene

Concen: 2.232 ng m

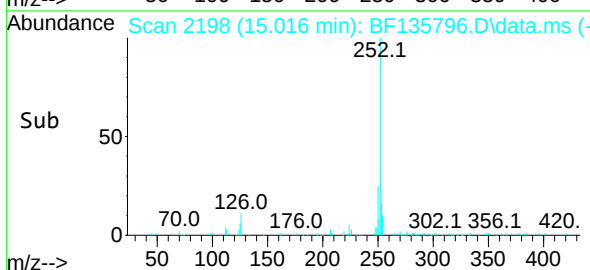
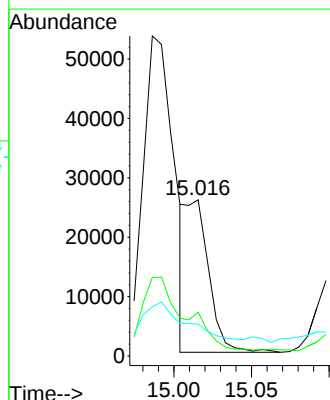
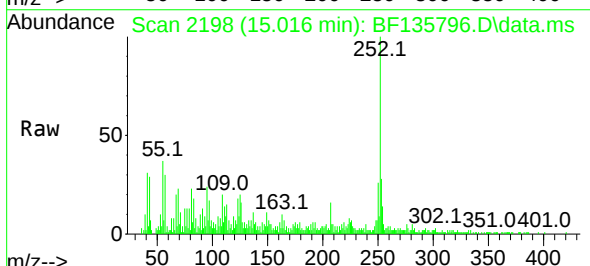
RT: 15.016 min Scan# 2198

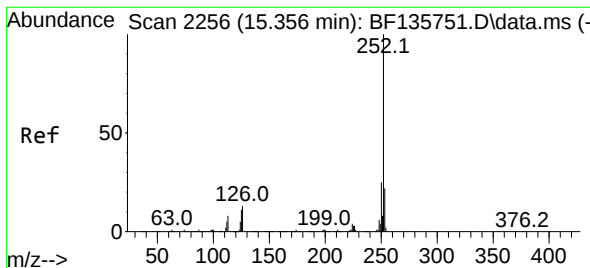
Delta R.T. -0.006 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Tgt Ion:252 Resp: 26537
 Ion Ratio Lower Upper
 252 100
 253 28.0 17.4 26.0#
 125 20.4 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 5.325 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Instrument :

BNA_F

ClientSampleId :

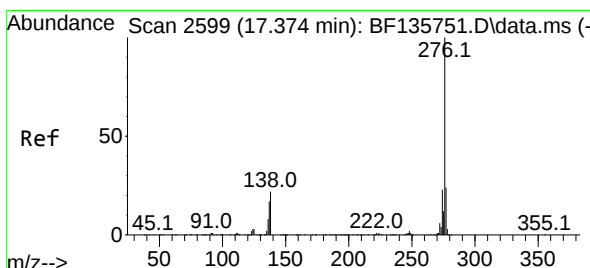
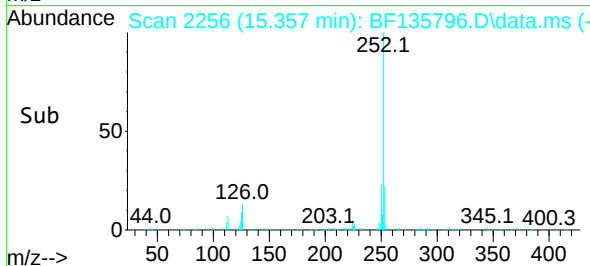
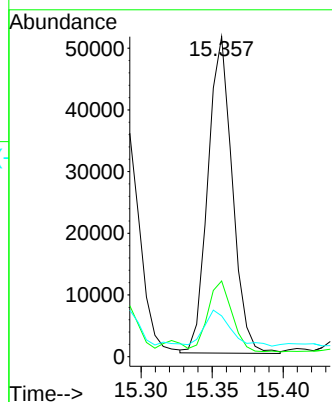
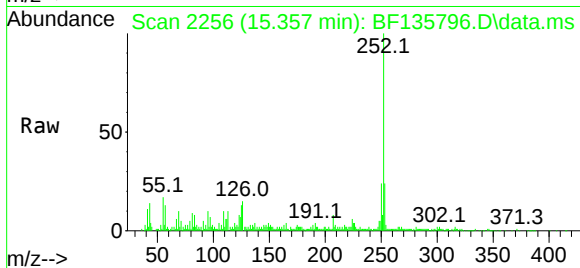
S-4(0-5)

Tgt Ion:	252	Resp:	6131
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.4	26.2
125	12.7	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/17/2023



#92

Benzo(g,h,i)perylene

Concen: 2.520 ng

RT: 17.380 min Scan# 2600

Delta R.T. -0.006 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Tgt Ion:	276	Resp:	25292
Ion Ratio	Lower	Upper	
276	100		
277	20.9	19.4	29.2
138	23.0	17.3	25.9

