

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101323\
 Data File : BF135761.D
 Acq On : 13 Oct 2023 19:41
 Operator : CG\JU
 Sample : 04837-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-290

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023

Quant Time: Oct 13 23:37:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 13 17:12:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	109156	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	373726	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	177499	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	314642	20.000	ng	0.00
76) Chrysene-d12	13.933	240	191304	20.000	ng	-0.01
86) Perylene-d12	15.410	264	237265	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	564013	83.073	ng	0.00
7) Phenol-d6	6.387	99	683698	80.708	ng	-0.01
23) Nitrobenzene-d5	7.304	82	424759	62.509	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	144212	84.669	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	672022	59.195	ng	-0.01
79) Terphenyl-d14	12.863	244	552513	53.486	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	42858	2.843	ng	96
75) Fluoranthene	12.492	202	84343	5.042	ng	99
78) Pyrene	12.721	202	75312	4.954	ng	99
81) Benzo(a)anthracene	13.921	228	29205m	2.324	ng	
83) Chrysene	13.963	228	35525	2.919	ng	98
88) Benzo(b)fluoranthene	14.986	252	43165m	3.251	ng	
90) Benzo(a)pyrene	15.357	252	25895	2.074	ng	97

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

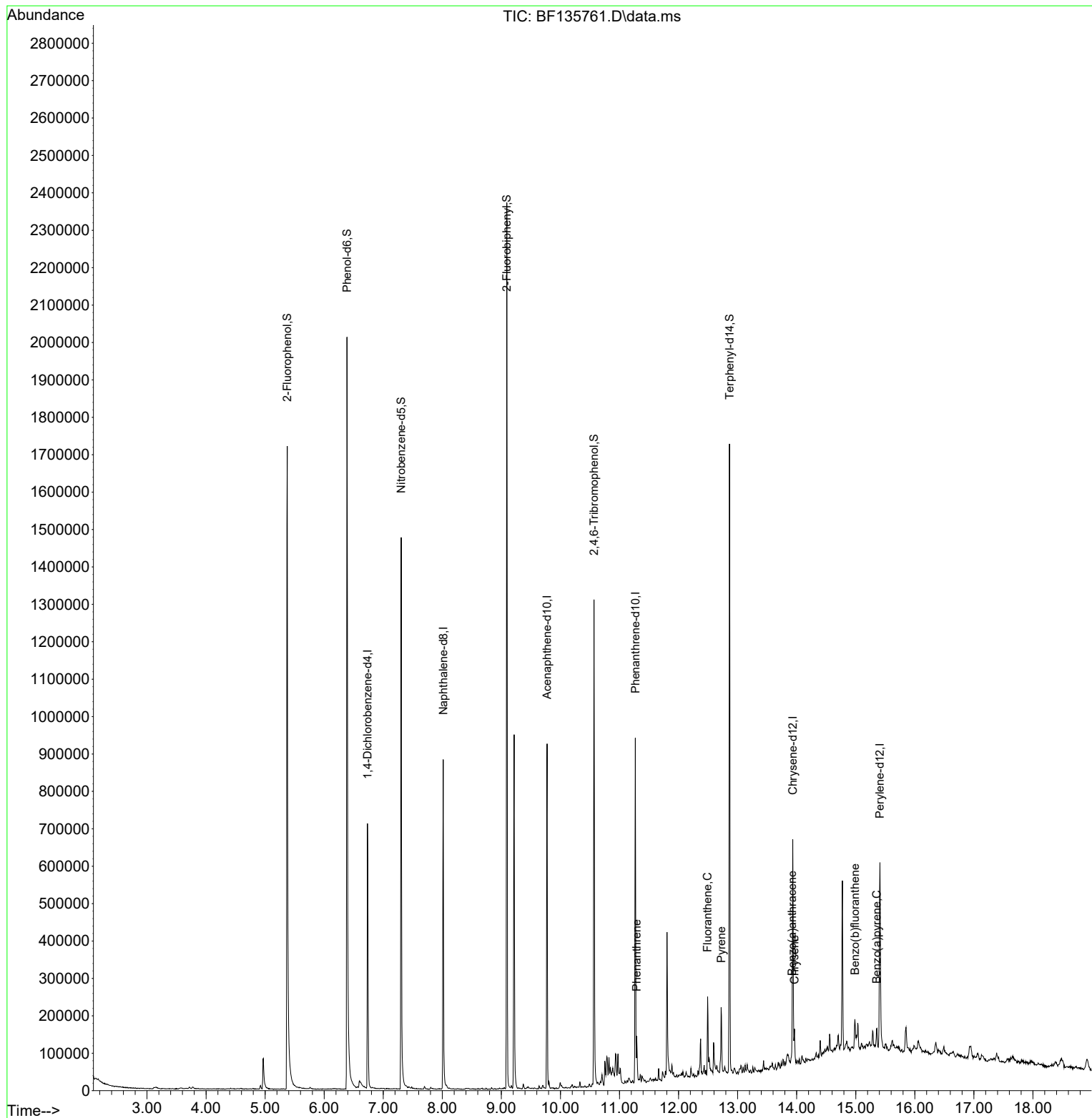
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101323\
Data File : BF135761.D
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ALS Vial : 16 Sample Multiplier: 1

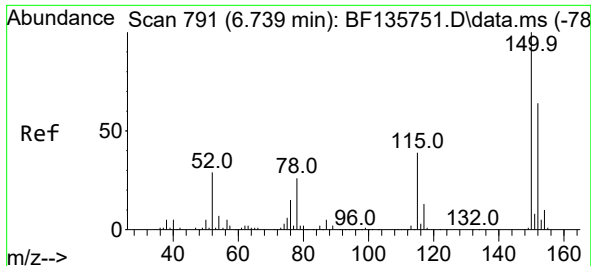
Instrument :
BNA_F
ClientSampleId :
ETGI-290

Quant Time: Oct 13 23:37:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
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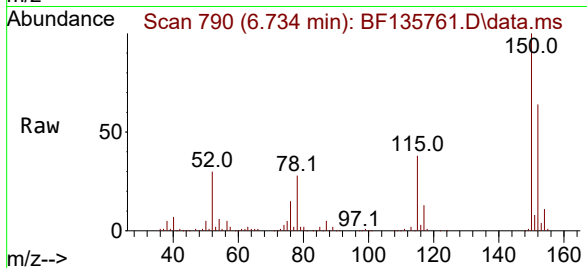
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

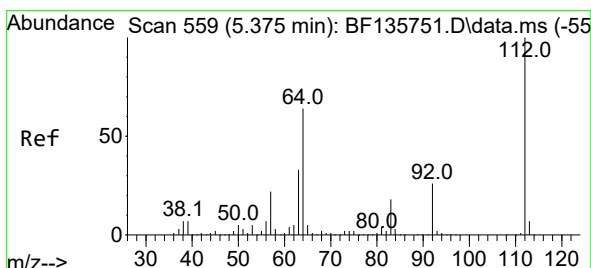
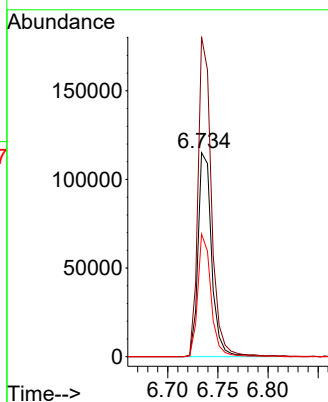
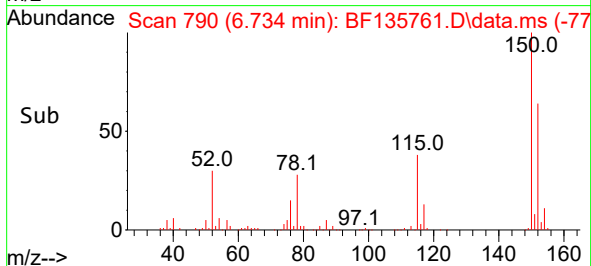
Instrument :
BNA_F
ClientSampleId :
ETGI-290



Tgt Ion:152 Resp: 109150
Ion Ratio Lower Upper
152 100
150 156.8 124.5 186.7
115 60.1 49.0 73.4

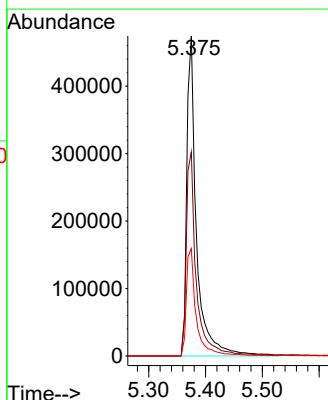
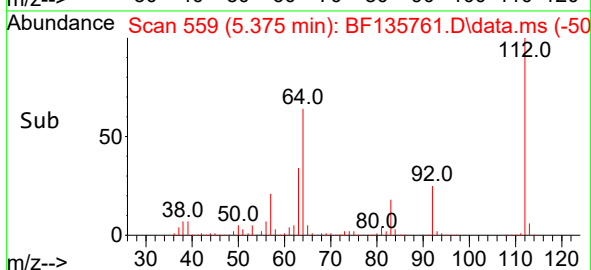
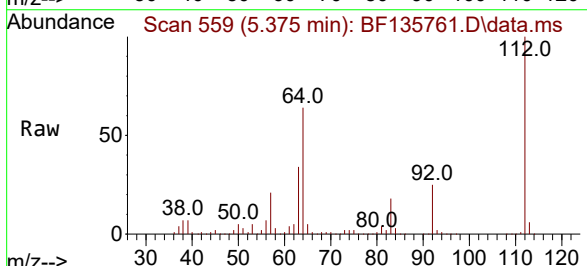
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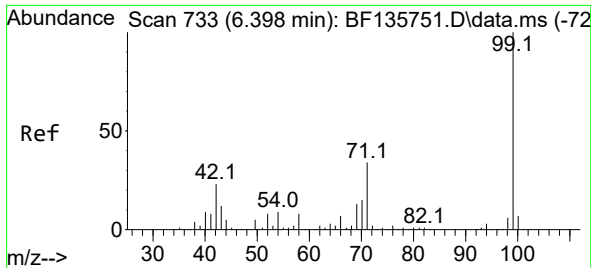
Reviewed By :Yogesh Patel 10/16/2023
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#5
2-Fluorophenol
Concen: 83.073 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.000 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

Tgt Ion:112 Resp: 564013
Ion Ratio Lower Upper
112 100
64 63.8 51.2 76.8
63 33.5 26.1 39.1





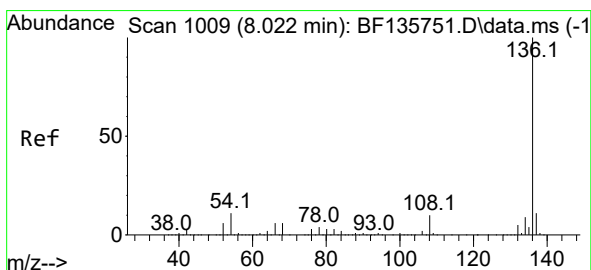
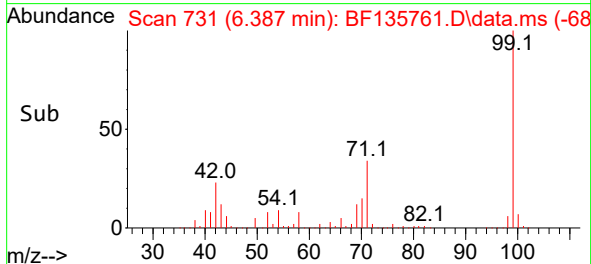
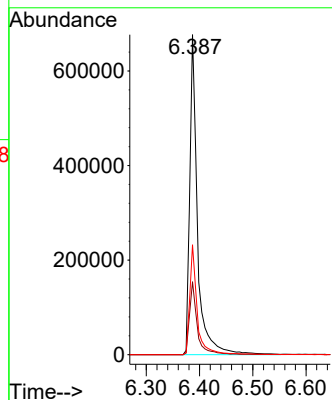
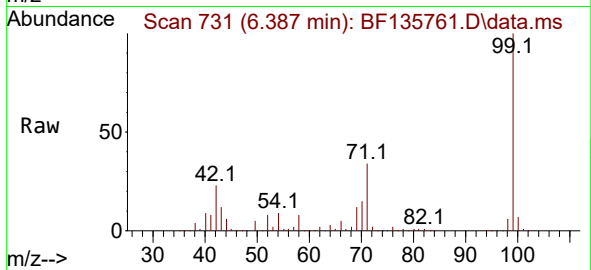
#7
Phenol-d6
Concen: 80.708 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

Instrument :
BNA_F
ClientSampleId :
ETGI-290

Tgt Ion: 99 Resp: 683698
Ion Ratio Lower Upper
99 100
42 22.8 18.4 27.6
71 34.4 27.2 40.8

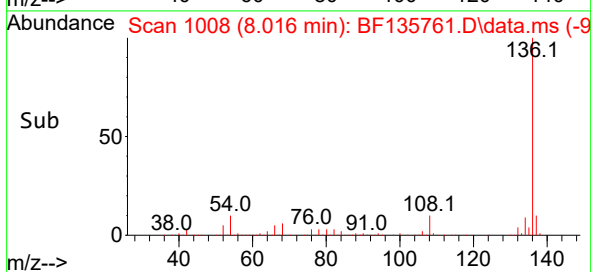
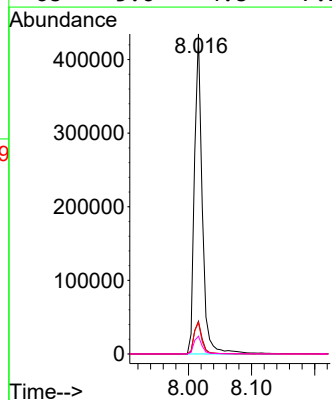
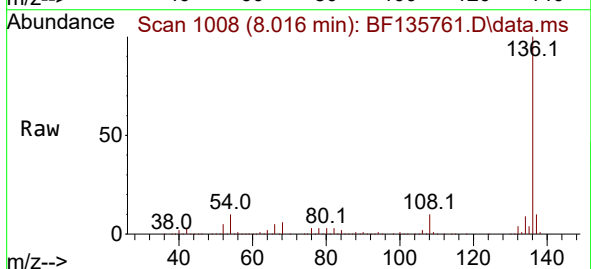
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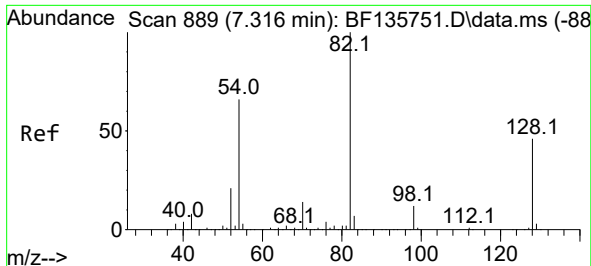
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

Tgt Ion:136 Resp: 373726
Ion Ratio Lower Upper
136 100
137 10.3 8.6 12.8
54 9.8 8.5 12.7
68 5.6 4.8 7.2





#23

Nitrobenzene-d5

Concen: 62.509 ng

RT: 7.304 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF135761.D

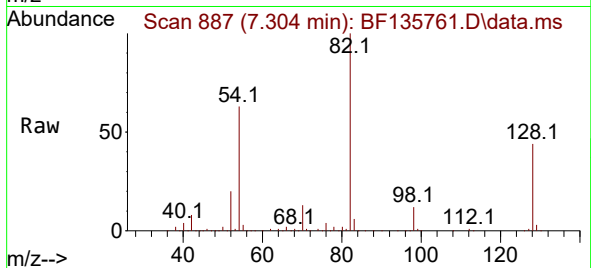
Acq: 13 Oct 2023 19:41

Instrument :

BNA_F

ClientSampleId :

ETGI-290



Tgt Ion: 82 Resp: 424759

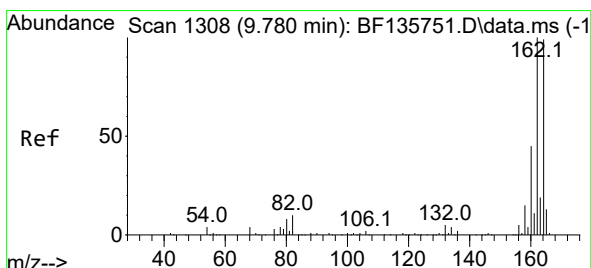
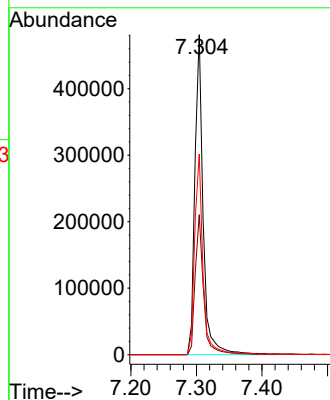
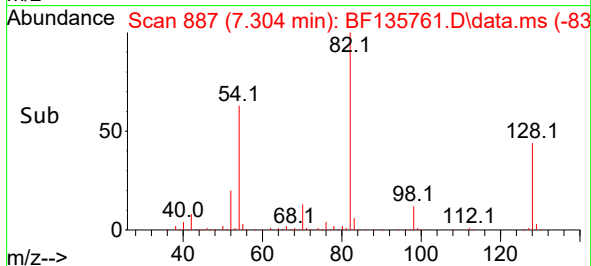
Ion	Ratio	Lower	Upper
82	100		
128	43.8	37.0	55.6
54	62.7	52.8	79.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

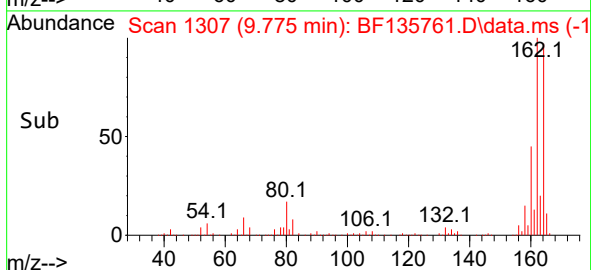
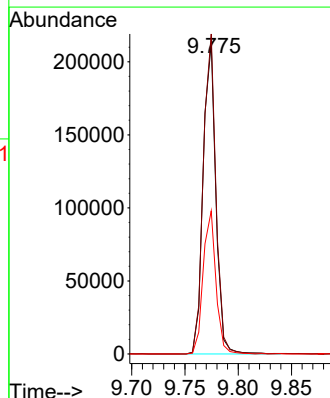
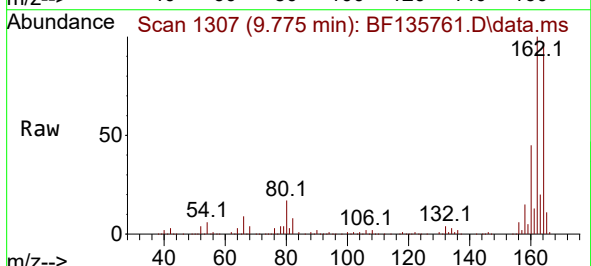
Delta R.T. -0.006 min

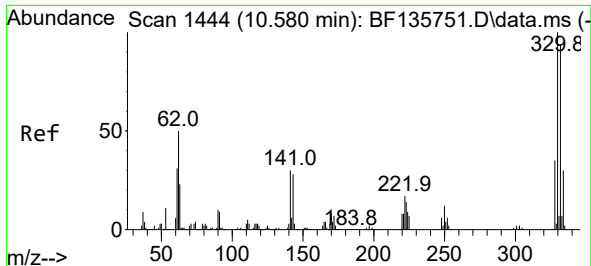
Lab File: BF135761.D

Acq: 13 Oct 2023 19:41

Tgt Ion:164 Resp: 177499

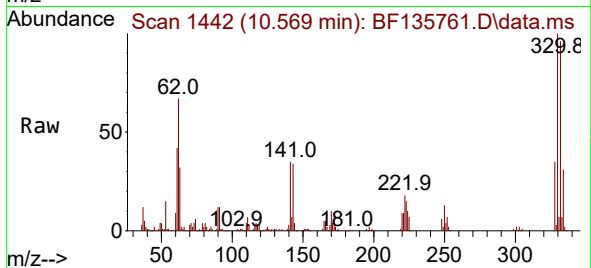
Ion	Ratio	Lower	Upper
164	100		
162	102.9	80.8	121.2
160	46.0	36.6	54.8





#42
2,4,6-Tribromophenol
Concen: 84.669 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

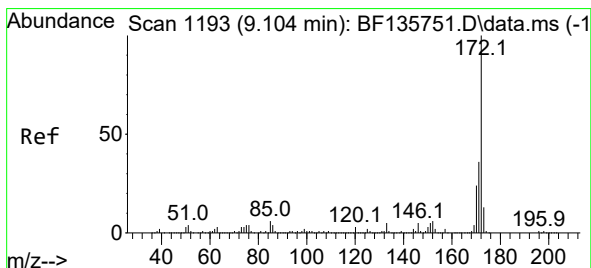
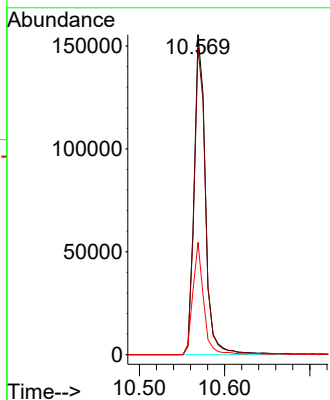
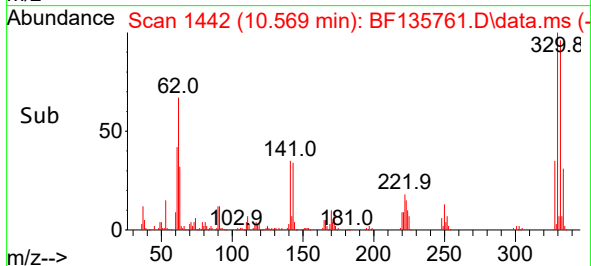
Instrument :
BNA_F
ClientSampleId :
ETGI-290



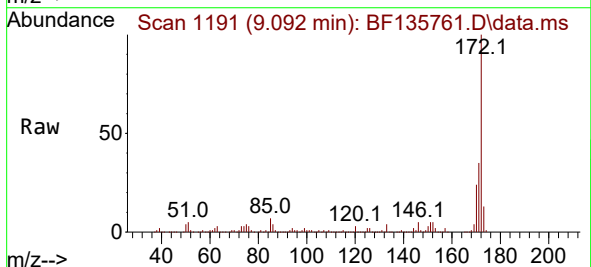
Tgt Ion: 330 Resp: 144212
Ion Ratio Lower Upper
330 100
332 96.0 75.0 112.4
141 33.2 25.8 38.6

Manual Integrations
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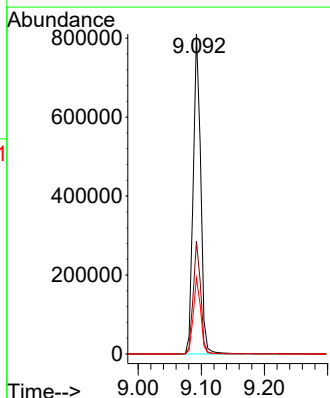
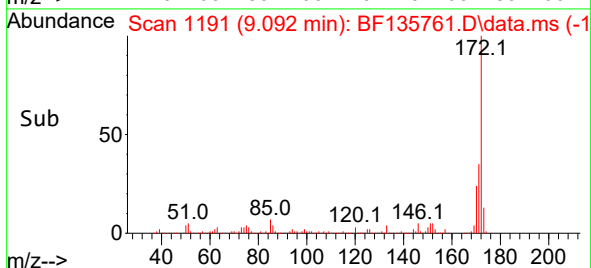
Reviewed By : Yogesh Patel 10/16/2023
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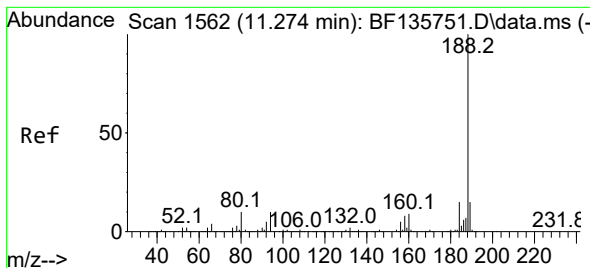


#45
2-Fluorobiphenyl
Concen: 59.195 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41



Tgt Ion: 172 Resp: 672022
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.8 18.8 28.2





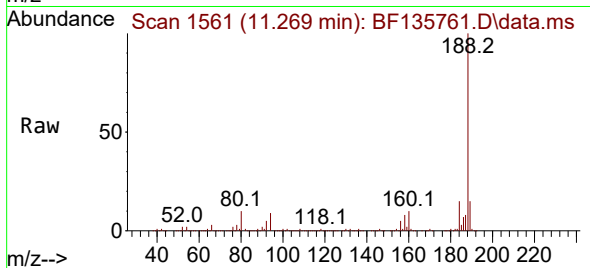
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

Instrument :

BNA_F

ClientSampleId :

ETGI-290

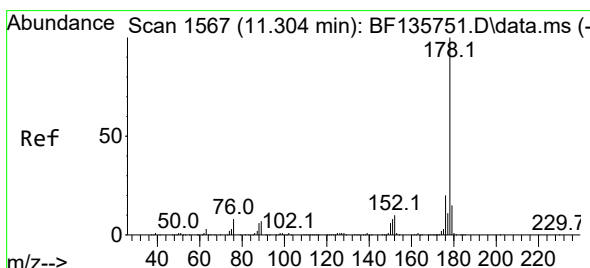
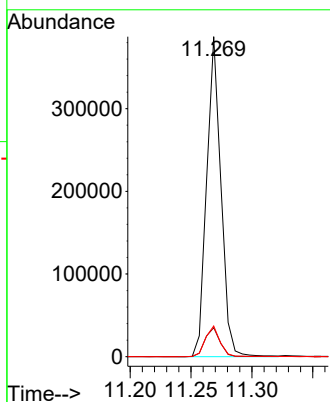
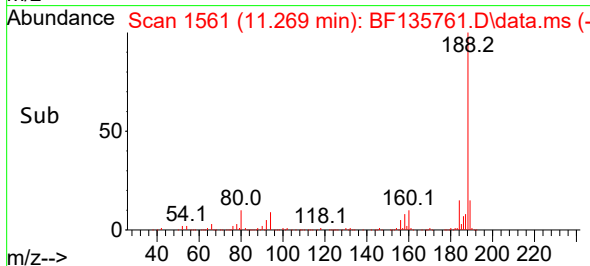


Tgt Ion:188 Resp: 31464
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 9.6 8.3 12.5

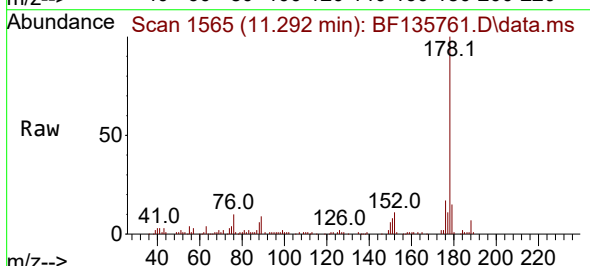
Manual Integrations

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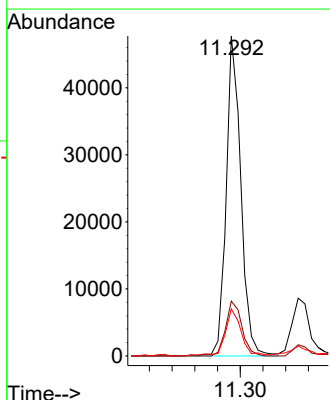
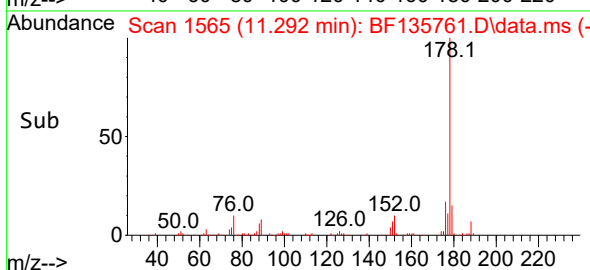
Reviewed By :Yogesh Patel 10/16/2023
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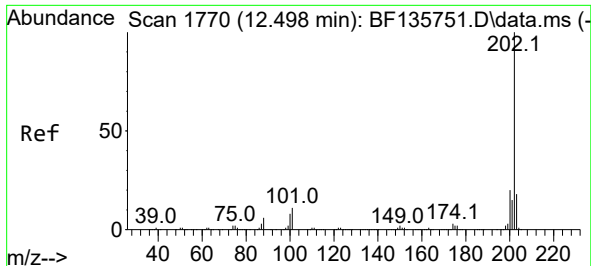


#71
Phenanthrene
Concen: 2.843 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41



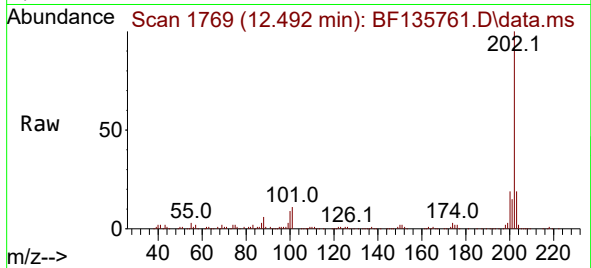
Tgt Ion:178 Resp: 42858
Ion Ratio Lower Upper
178 100
176 17.2 16.0 24.0
179 14.7 12.2 18.4





#75
Fluoranthene
Concen: 5.042 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

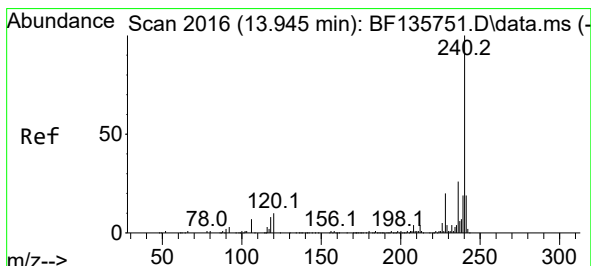
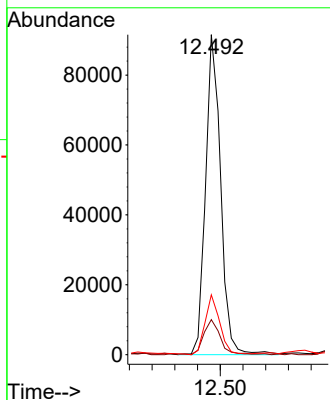
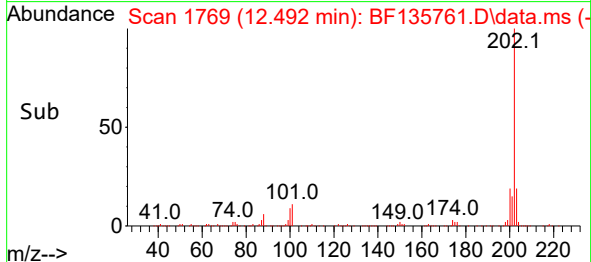
Instrument :
BNA_F
ClientSampleId :
ETGI-290



Tgt Ion:202 Resp: 8434
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.5
203 18.7 0.0 38.3

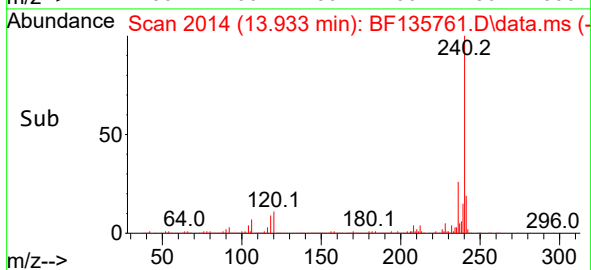
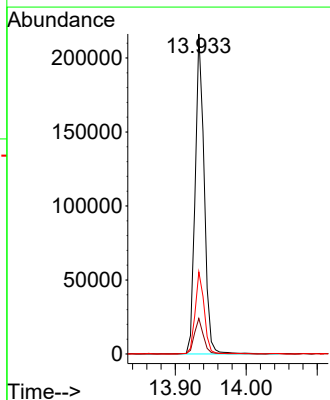
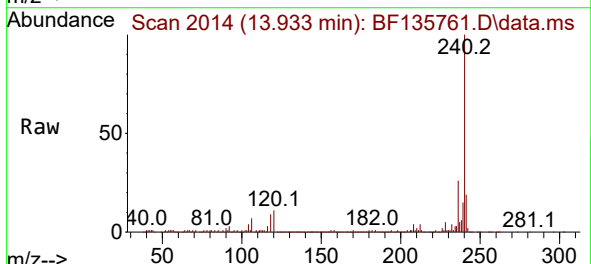
Manual Integrations
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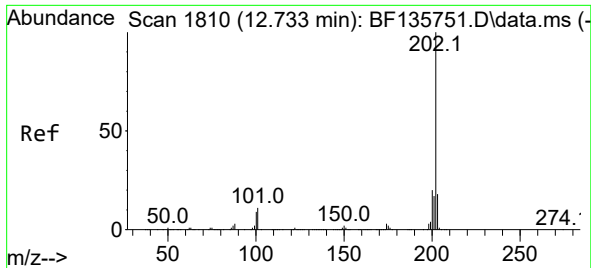
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

Tgt Ion:240 Resp: 191304
Ion Ratio Lower Upper
240 100
120 11.1 8.2 12.2
236 25.7 21.2 31.8





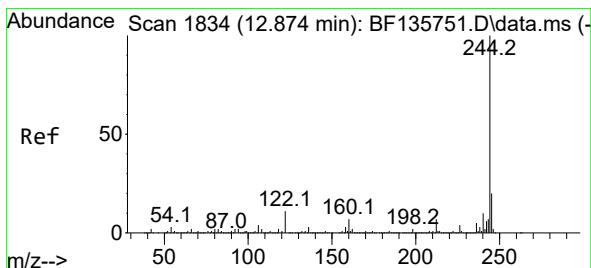
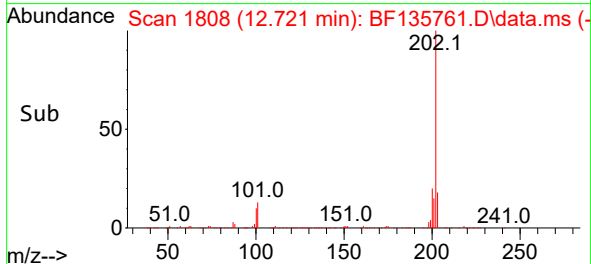
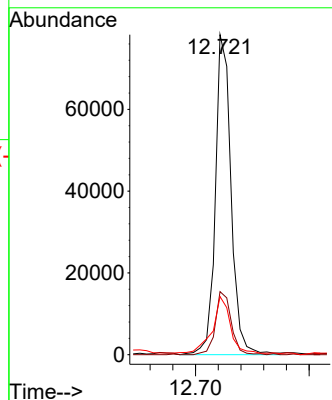
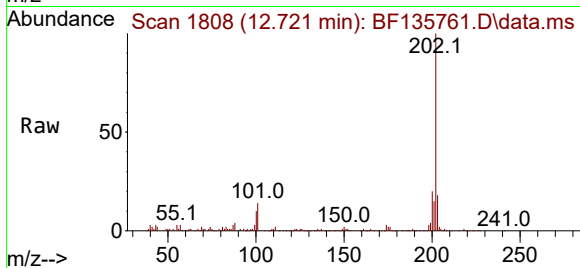
#78
Pyrene
Concen: 4.954 ng
RT: 12.721 min Scan# 1808
Delta R.T. -0.012 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

Instrument :
BNA_F
ClientSampleId :
ETGI-290

Tgt Ion:202 Resp: 75312
Ion Ratio Lower Upper
202 100
200 19.7 16.1 24.1
203 18.1 14.2 21.2

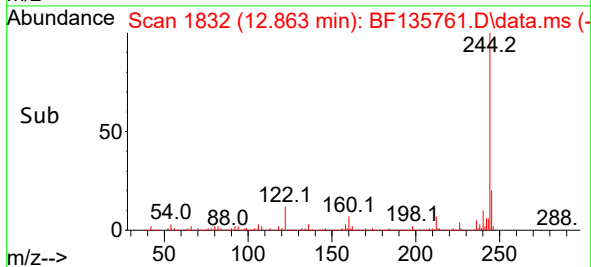
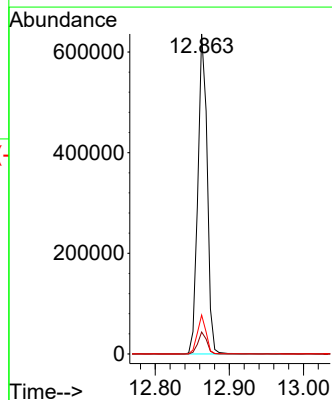
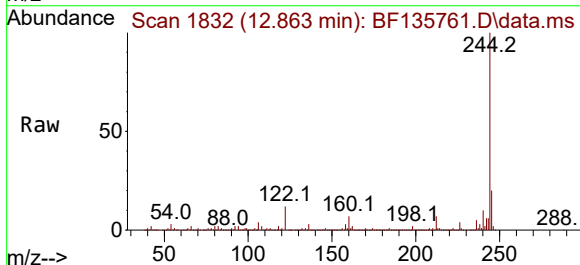
Manual Integrations
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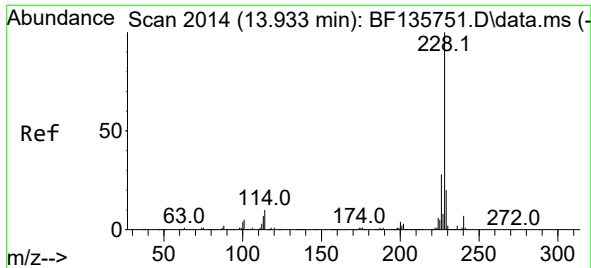
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#79
Terphenyl-d14
Concen: 53.486 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.012 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

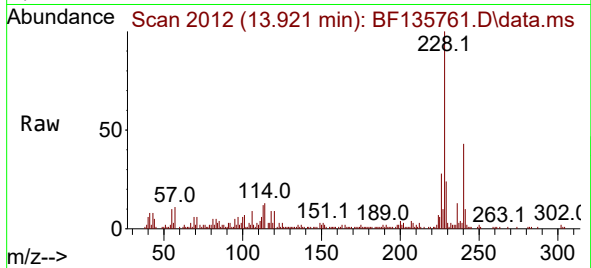
Tgt Ion:244 Resp: 552513
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 12.2 9.0 13.6





#81
Benzo(a)anthracene
Concen: 2.324 ng m
RT: 13.921 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

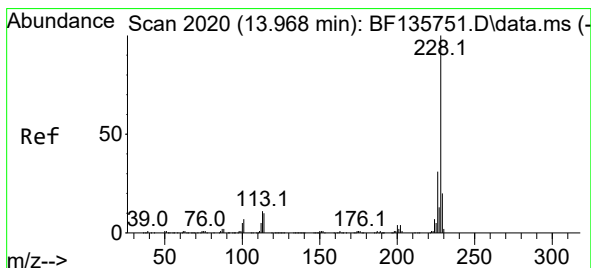
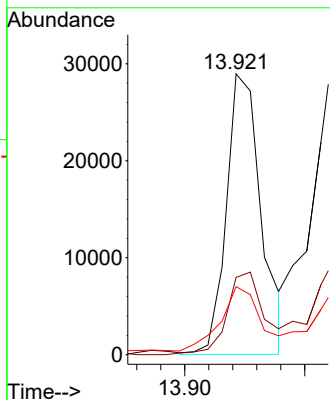
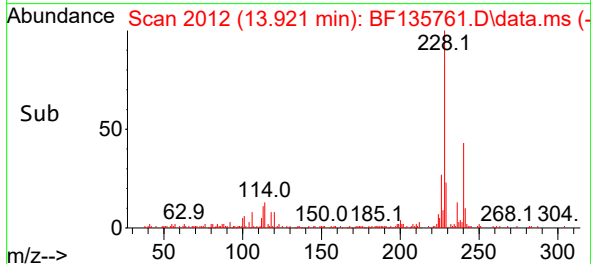
Instrument :
BNA_F
ClientSampleId :
ETGI-290



Tgt Ion:228 Resp: 2920
Ion Ratio Lower Upper
228 100
226 27.5 22.2 33.2
229 24.2 16.1 24.1

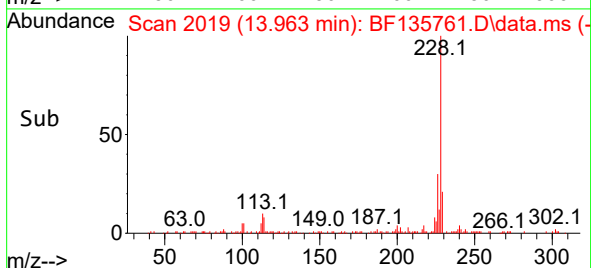
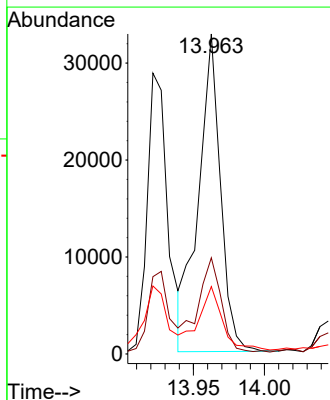
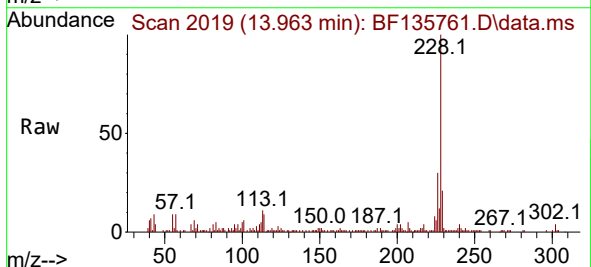
Manual Integrations
APPROVED

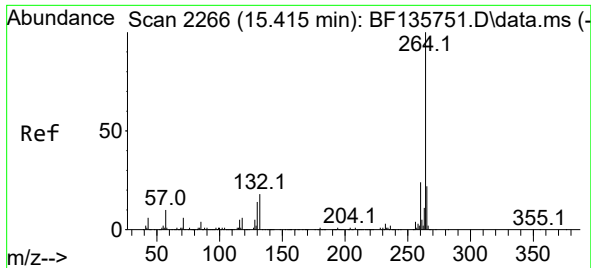
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#83
Chrysene
Concen: 2.919 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

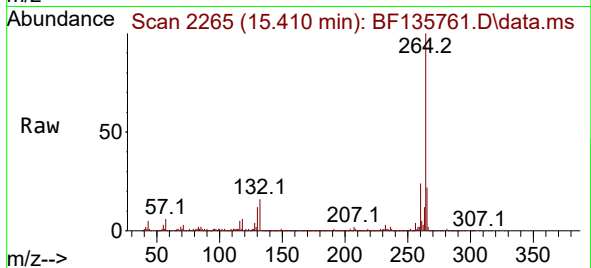
Tgt Ion:228 Resp: 35525
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 21.0 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

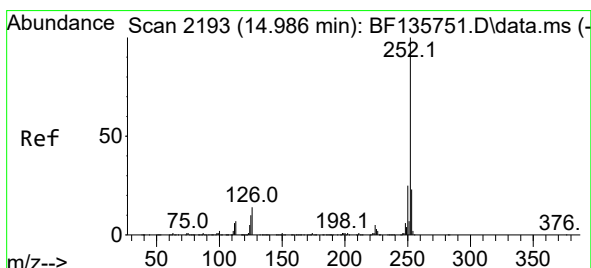
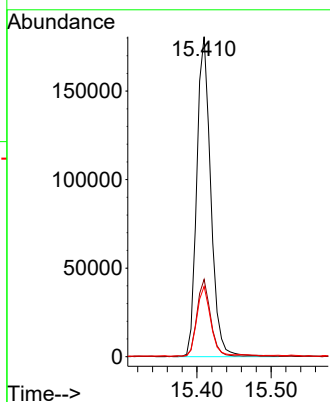
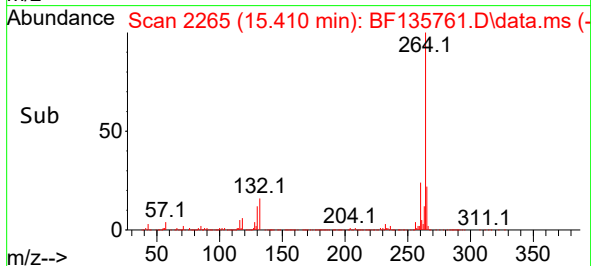
Instrument :
BNA_F
ClientSampleId :
ETGI-290



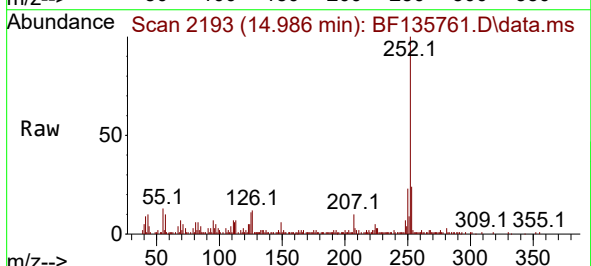
Tgt Ion:264 Resp: 23726
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.9 17.4 26.2

Manual Integrations
APPROVED

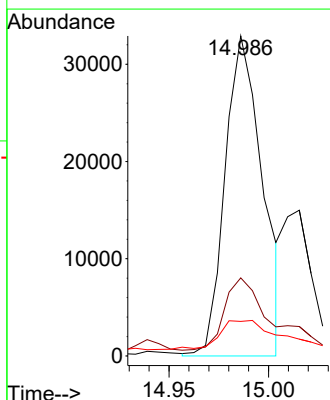
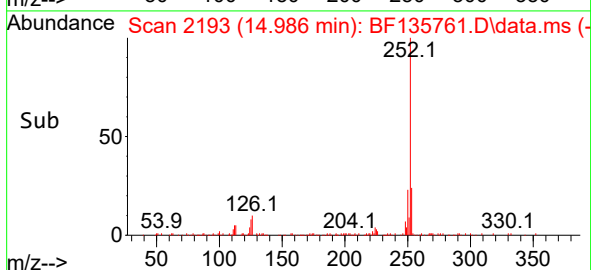
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

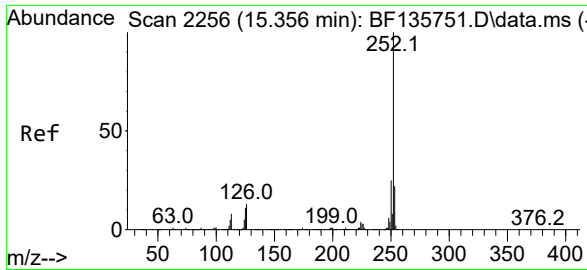


#88
Benzo(b)fluoranthene
Concen: 3.251 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41



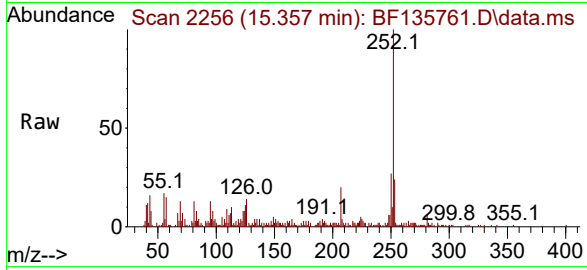
Tgt Ion:252 Resp: 43165
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.2
125 10.8 8.2 12.2





#90
Benzo(a)pyrene
Concen: 2.074 ng
RT: 15.357 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

Instrument :
BNA_F
ClientSampleId :
ETGI-290



Tgt Ion:252 Resp: 2589
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 11.2 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

