

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134228.D
 Acq On : 11 Jul 2023 23:34
 Operator : CG\JU
 Sample : 03555-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-330

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023

Quant Time: Jul 12 01:58:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	115100	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	431296	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	189029	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	291372	20.000	ng	0.00
76) Chrysene-d12	14.039	240	208813	20.000	ng	0.00
86) Perylene-d12	15.545	264	181700	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	484127	70.359	ng	0.00
7) Phenol-d6	6.481	99	655122	77.419	ng	0.00
23) Nitrobenzene-d5	7.404	82	422660	52.826	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	245275	103.490	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	944889	72.675	ng	0.00
79) Terphenyl-d14	12.974	244	977000	75.302	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.145	128	49630	2.382	ng	98
37) 2-Methylnaphthalene	8.833	142	46259	3.140	ng	99
38) 1-Methylnaphthalene	8.933	142	34149	2.493	ng	96
71) Phenanthrene	11.398	178	79191	5.399	ng	99
75) Fluoranthene	12.598	202	80272	5.062	ng	97
78) Pyrene	12.827	202	73096	3.761	ng	97
81) Benzo(a)anthracene	14.027	228	43497	3.004	ng	# 91
83) Chrysene	14.063	228	65339	4.658	ng	# 95
88) Benzo(b)fluoranthene	15.098	252	54380m	5.090	ng	
90) Benzo(a)pyrene	15.474	252	31744	3.073	ng	# 85
92) Benzo(g,h,i)perylene	17.556	276	23036	2.169	ng	# 95

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

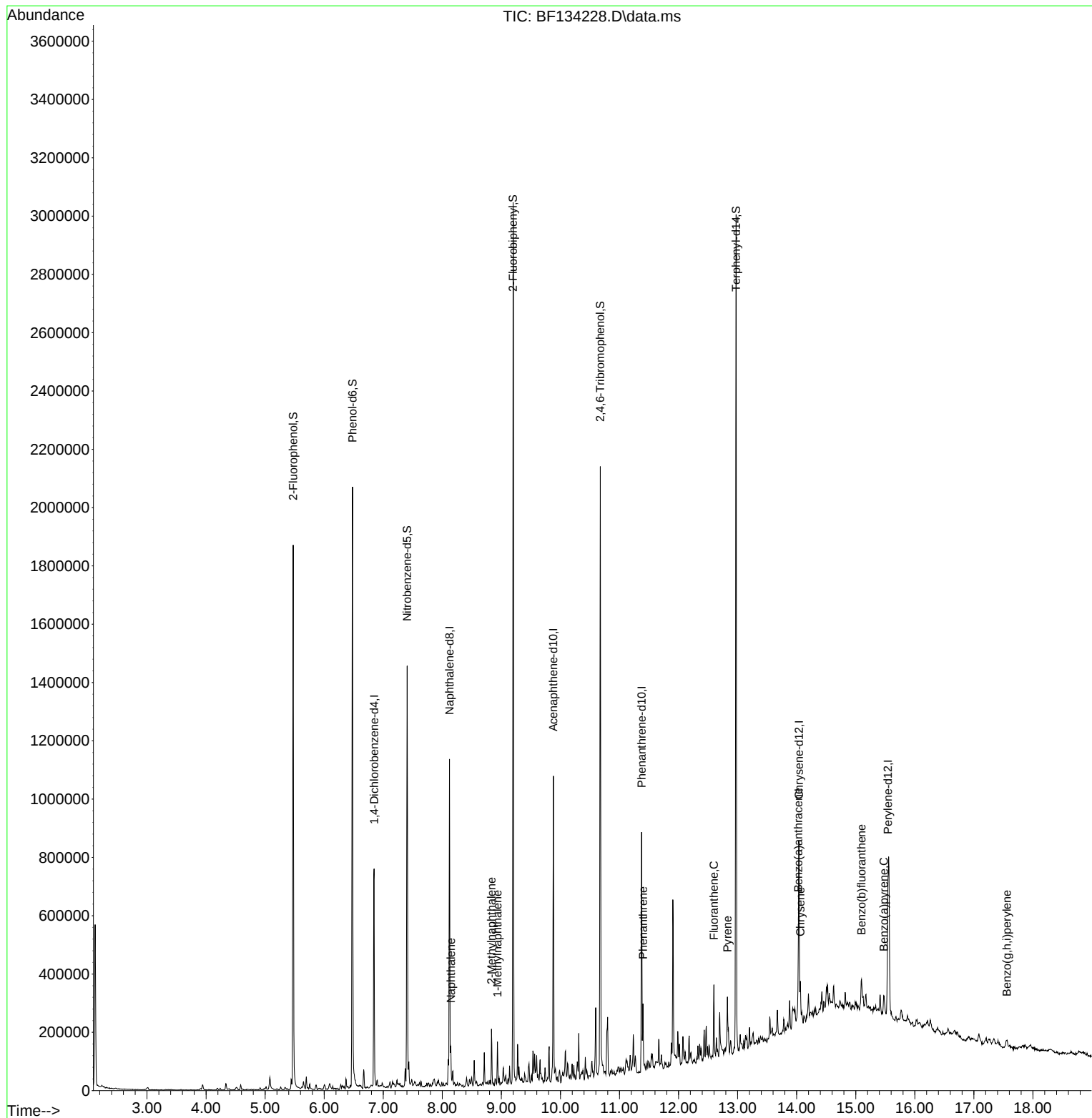
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134228.D
Acq On : 11 Jul 2023 23:34
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Misc :
ALS Vial : 13 Sample Multiplier: 1

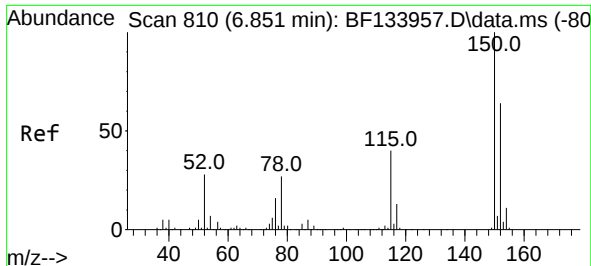
Instrument :
BNA_F
ClientSampleId :
ETGI-330

Quant Time: Jul 12 01:58:00 2023
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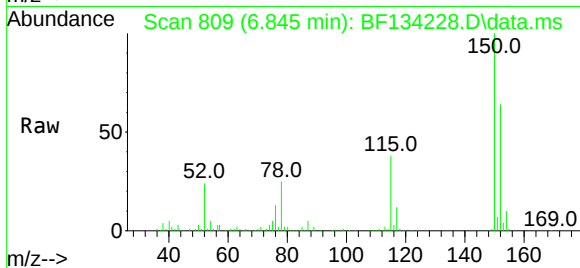
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

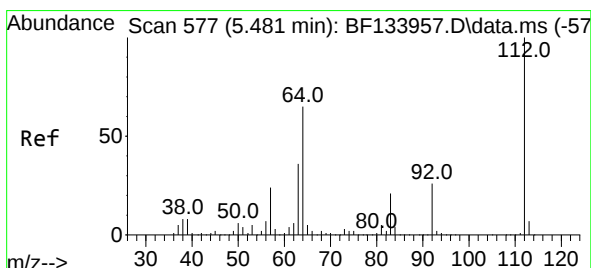
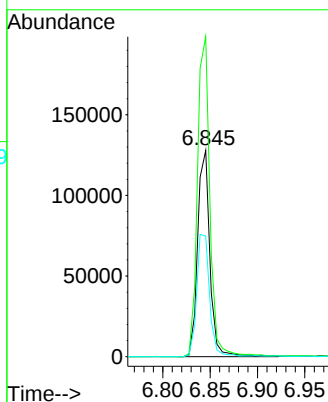
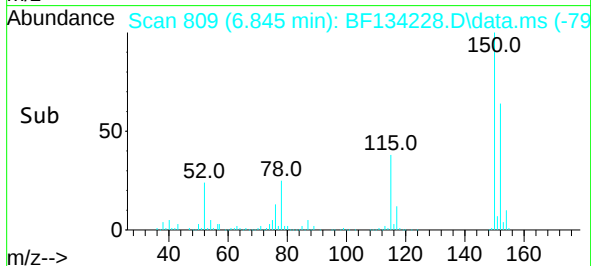
Instrument :
BNA_F
ClientSampleId :
ETGI-330



Tgt Ion:152 Resp: 115100
Ion Ratio Lower Upper
152 100
150 155.2 124.5 186.7
115 58.5 50.2 75.2

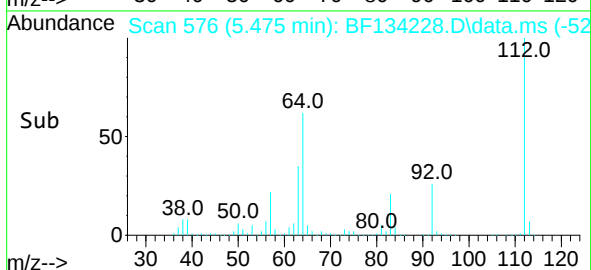
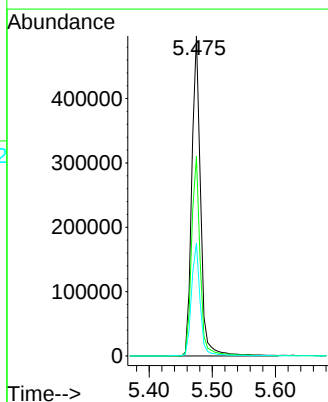
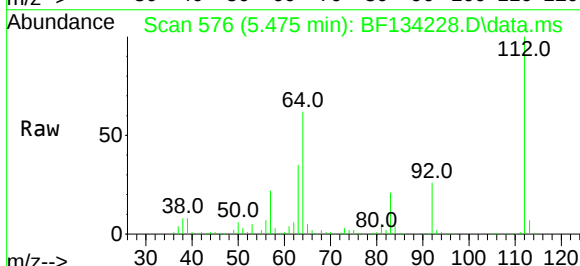
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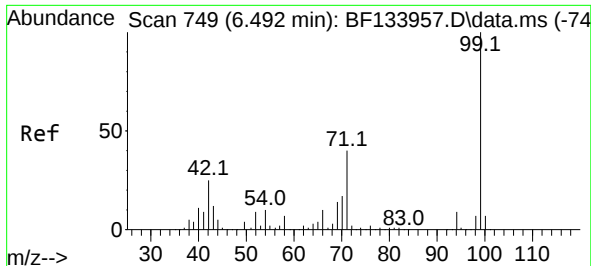
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#5
2-Fluorophenol
Concen: 70.359 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

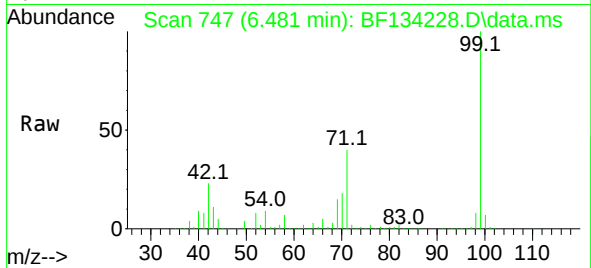
Tgt Ion:112 Resp: 484127
Ion Ratio Lower Upper
112 100
64 62.3 52.1 78.1
63 35.4 28.6 42.8





#7
Phenol-d6
Concen: 77.419 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

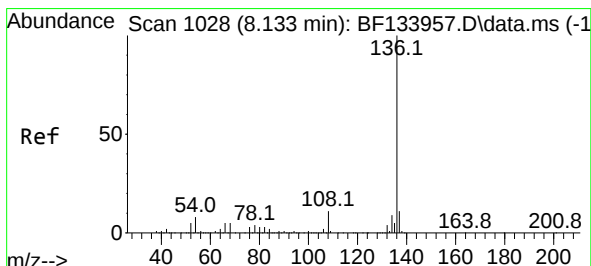
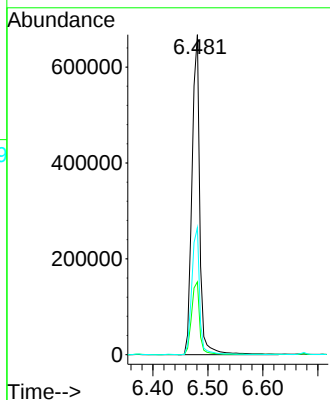
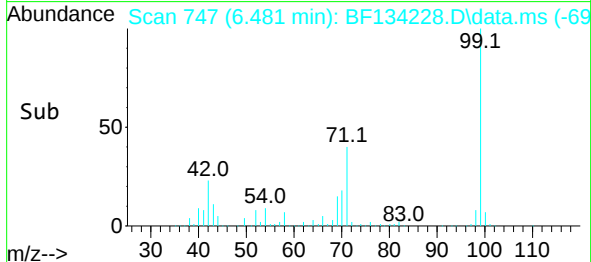
Instrument :
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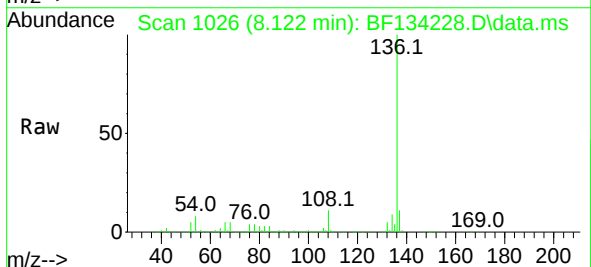
Tgt Ion: 99 Resp: 65512
Ion Ratio Lower Upper
99 100
42 22.8 19.8 29.6
71 39.7 31.9 47.9

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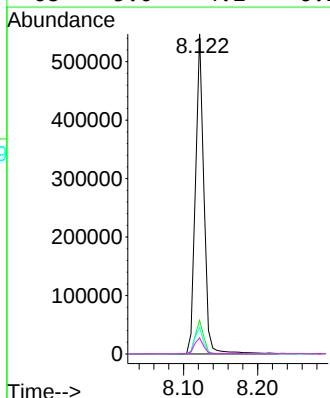
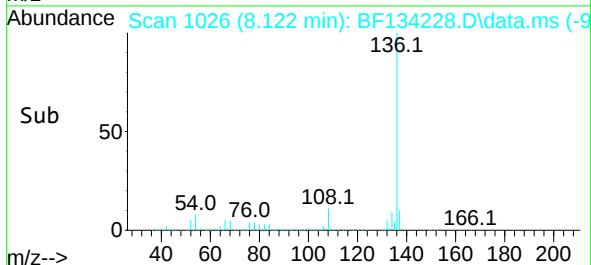
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

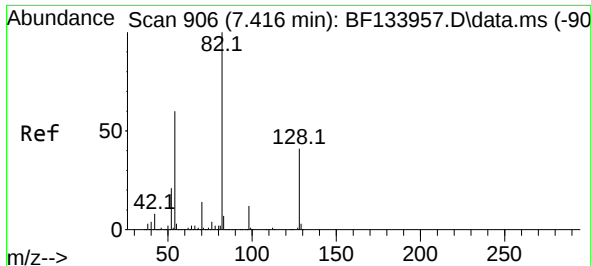


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34



Tgt Ion:136 Resp: 431296
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 8.3 6.5 9.7
68 5.0 4.2 6.2





#23

Nitrobenzene-d5

Concen: 52.826 ng

RT: 7.404 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

ETGI-330

Tgt Ion: 82 Resp: 422660

Ion Ratio Lower Upper

82 100

128 42.8 32.5 48.7

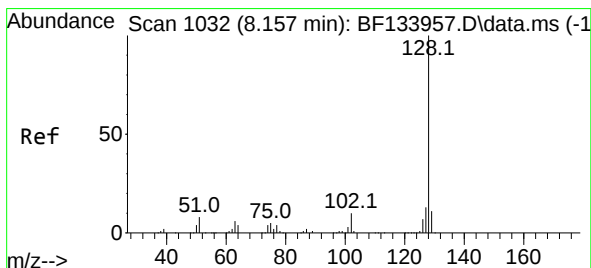
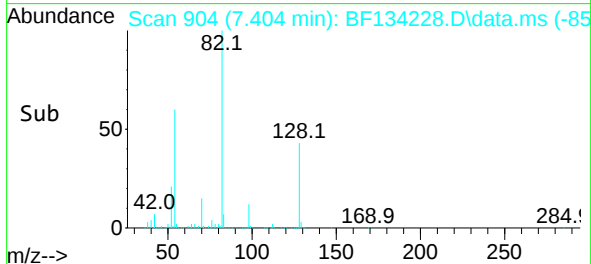
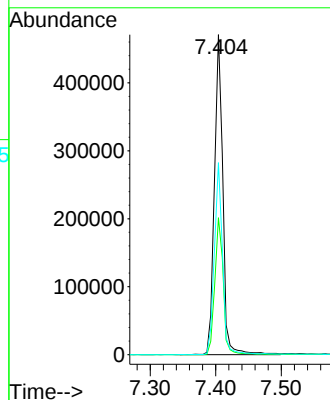
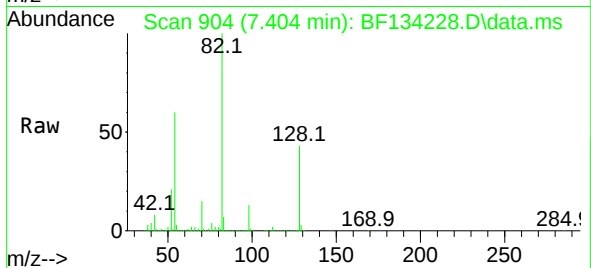
54 60.0 48.2 72.2

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#31

Naphthalene

Concen: 2.382 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

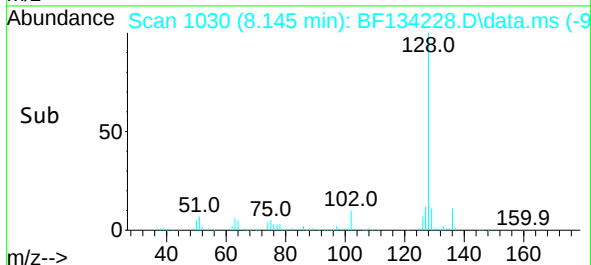
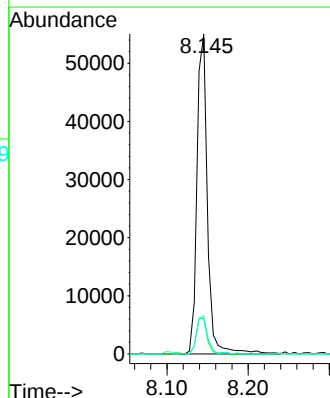
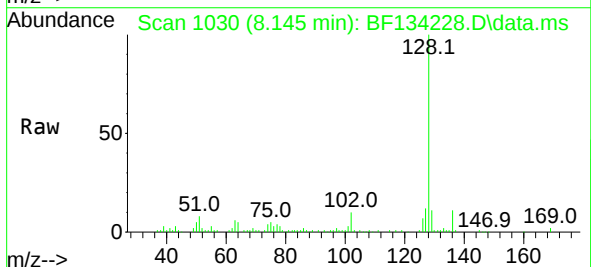
Tgt Ion:128 Resp: 49630

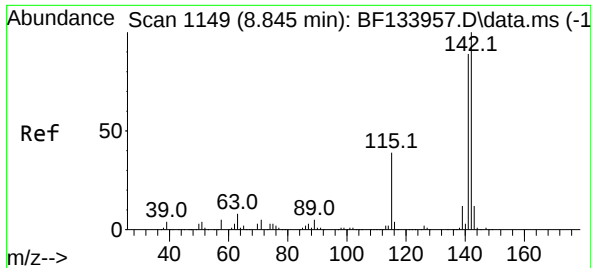
Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

127 11.9 10.6 15.8





#37

2-Methylnaphthalene

Concen: 3.140 ng

RT: 8.833 min Scan# 1147

Delta R.T. -0.006 min

Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:142 Resp: 46258

Ion Ratio Lower Upper

142 100

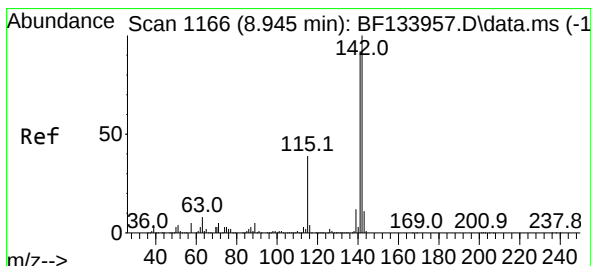
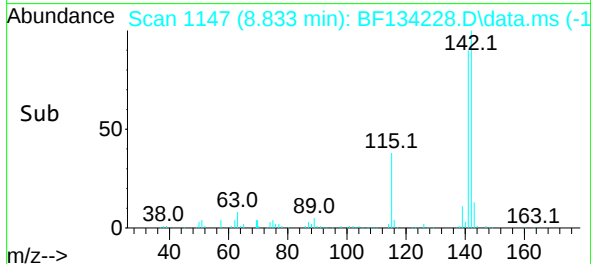
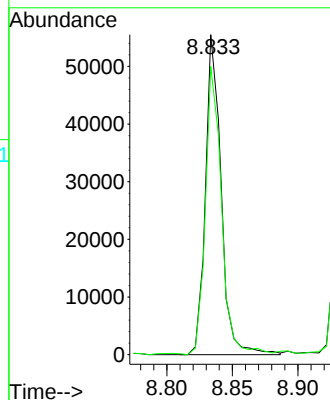
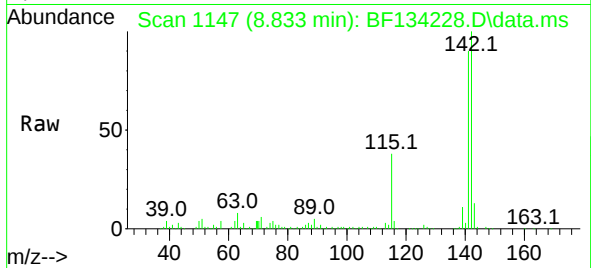
141 90.1 71.0 106.4

Manual Integrations

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Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#38

1-Methylnaphthalene

Concen: 2.493 ng

RT: 8.933 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF134228.D

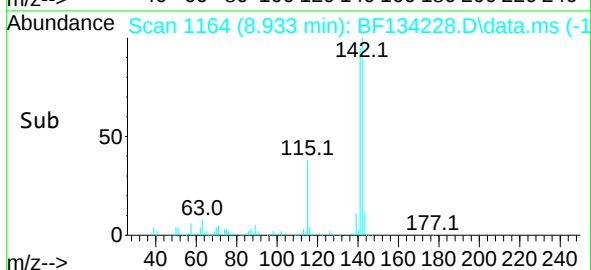
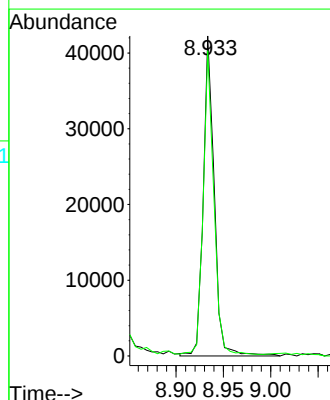
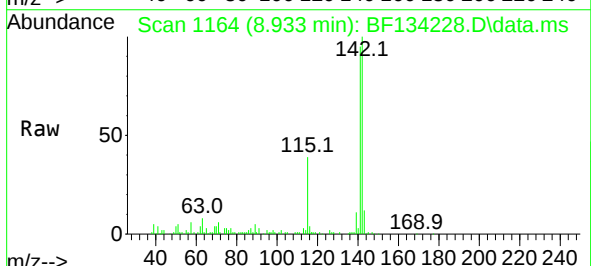
Acq: 11 Jul 2023 23:34

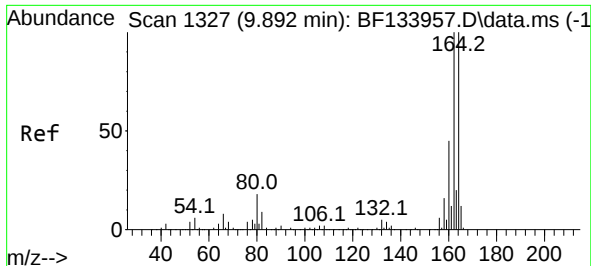
Tgt Ion:142 Resp: 34149

Ion Ratio Lower Upper

142 100

141 95.4 73.5 110.3





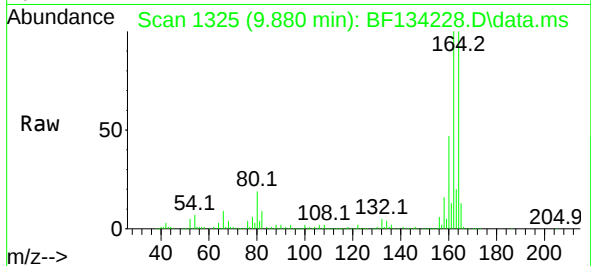
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

ETGI-330

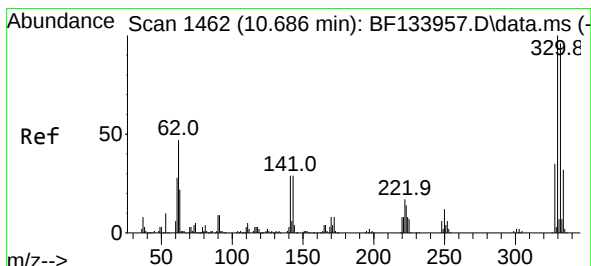
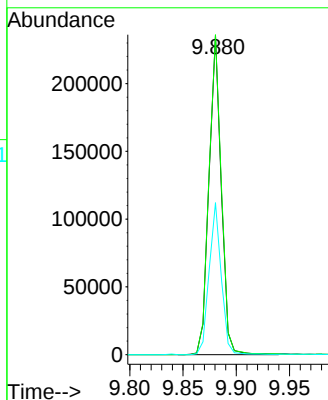
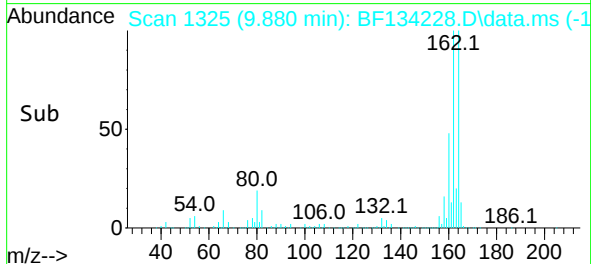


Tgt Ion:164 Resp: 189029
Ion Ratio Lower Upper
164 100
162 100.1 80.0 120.0
160 47.5 35.9 53.9

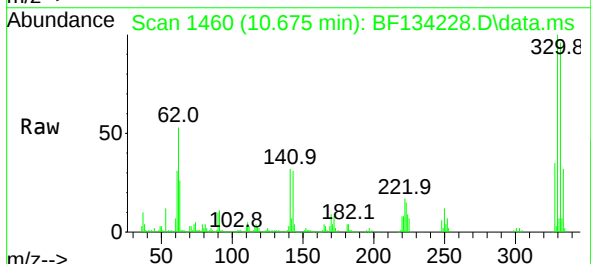
Manual Integrations

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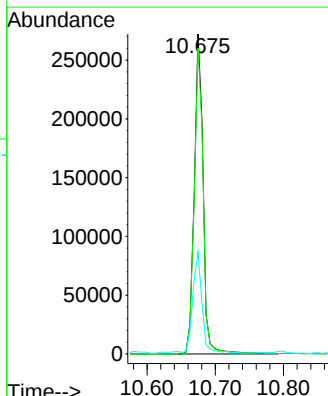
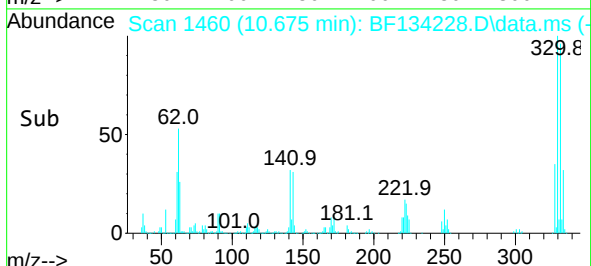
Reviewed By :Yogesh Patel 07/12/2023
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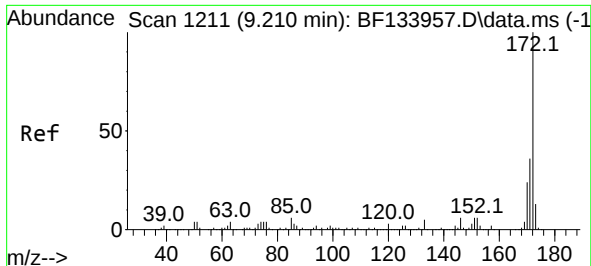


#42
2,4,6-Tribromophenol
Concen: 103.490 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34



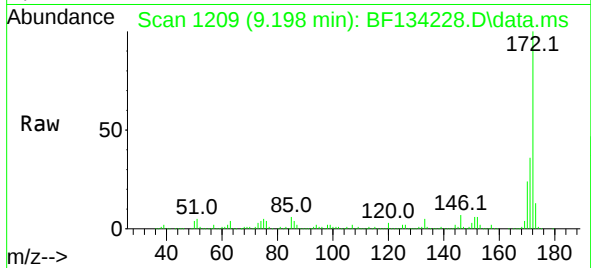
Tgt Ion:330 Resp: 245275
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 34.8 26.3 39.5





#45
2-Fluorobiphenyl
Concen: 72.675 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

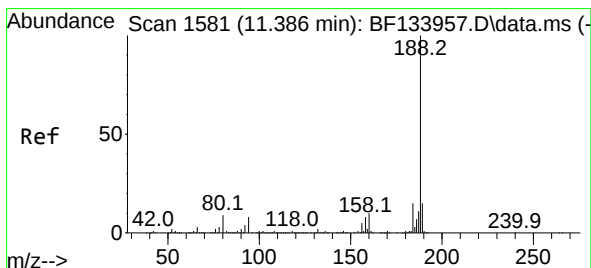
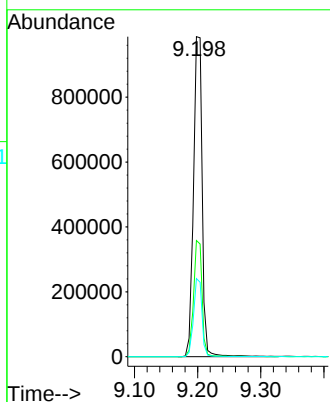
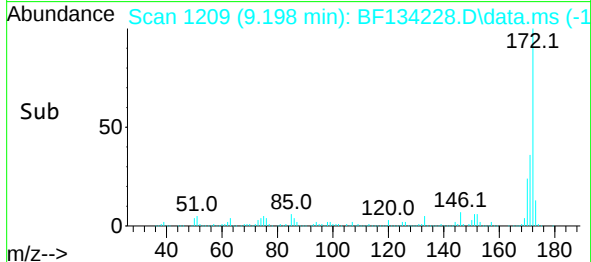
Instrument :
BNA_F
ClientSampleId :
ETGI-330



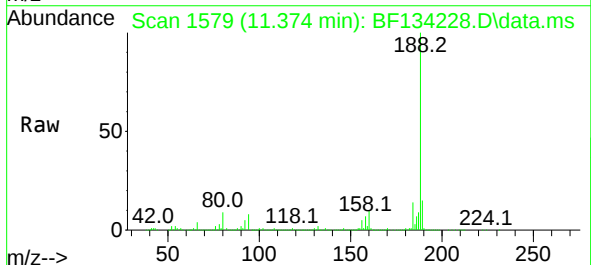
Tgt Ion:172 Resp: 944889
Ion Ratio Lower Upper
172 100
171 36.3 28.6 43.0
170 24.4 19.4 29.0

Manual Integrations
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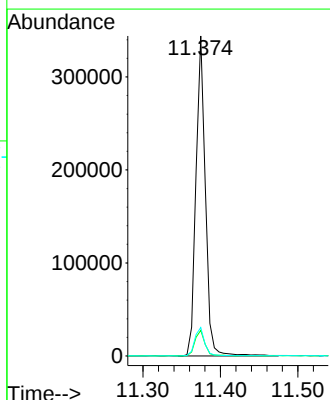
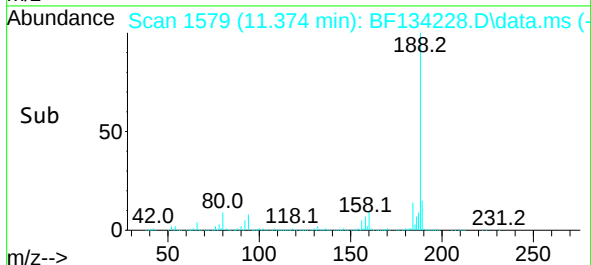
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

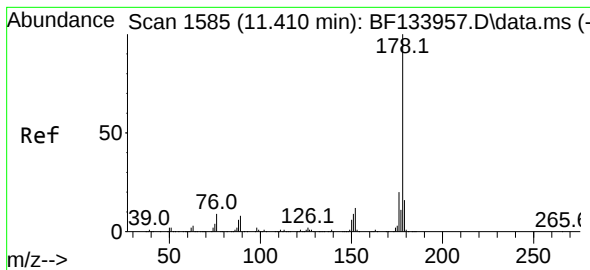


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34



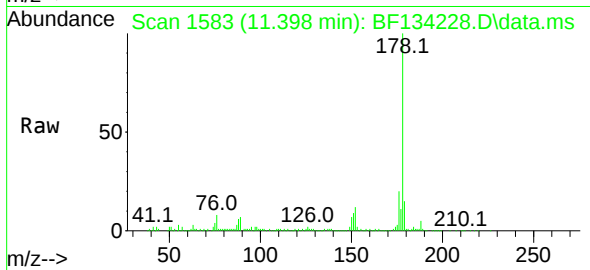
Tgt Ion:188 Resp: 291372
Ion Ratio Lower Upper
188 100
94 8.0 6.4 9.6
80 8.9 7.3 10.9





#71
Phenanthrene
Concen: 5.399 ng
RT: 11.398 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

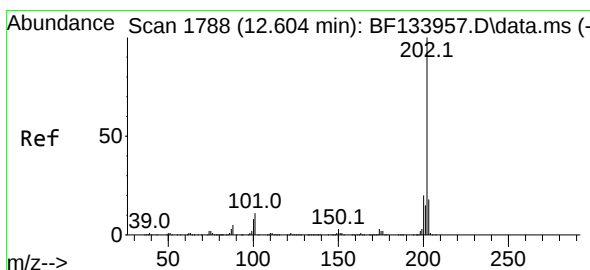
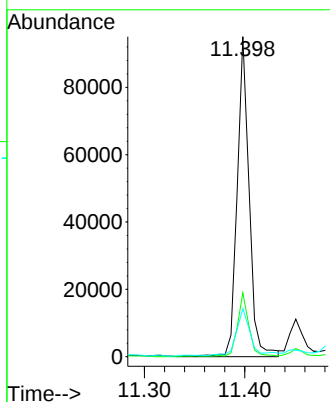
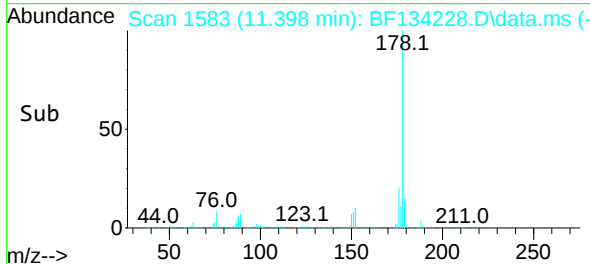
Instrument :
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Tgt Ion:178 Resp: 7919
Ion Ratio Lower Upper
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176 19.9 16.0 24.0
179 15.0 12.4 18.6

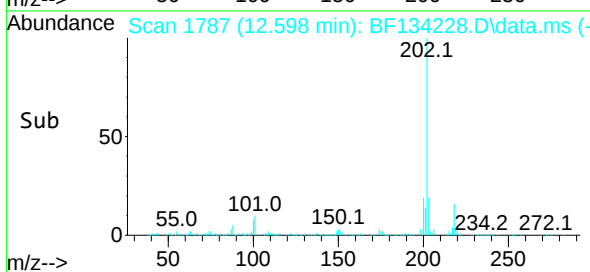
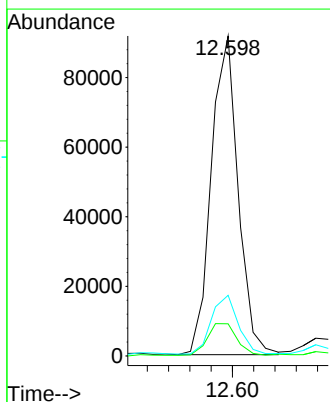
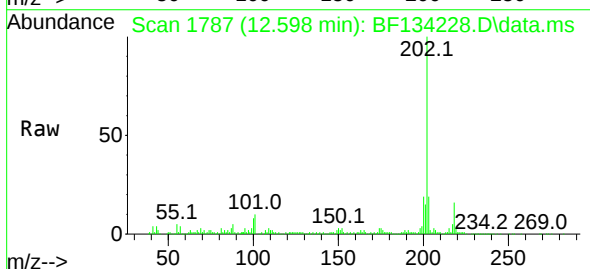
Manual Integrations
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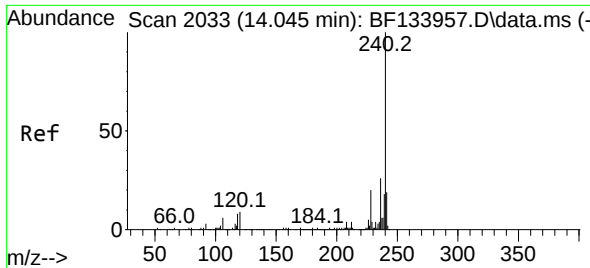
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#75
Fluoranthene
Concen: 5.062 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

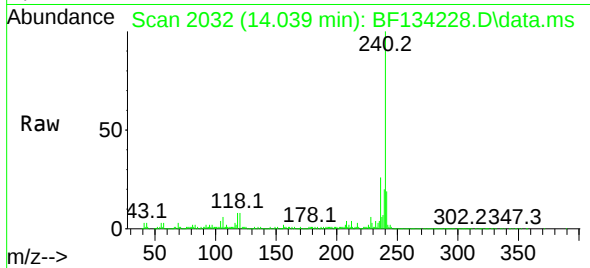
Tgt Ion:202 Resp: 80272
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.0
203 19.0 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

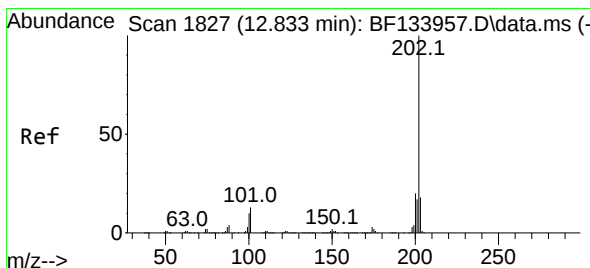
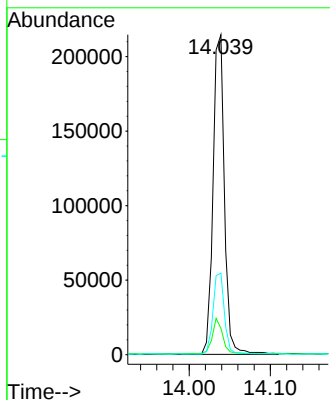
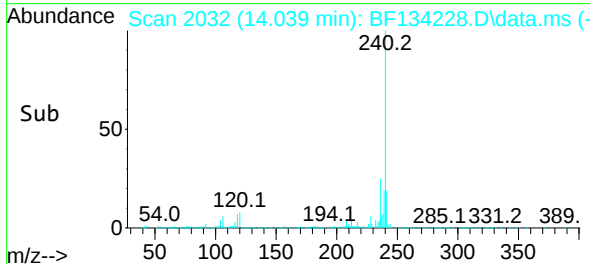
Instrument :
BNA_F
ClientSampleId :
ETGI-330



Tgt Ion:240 Resp: 20881
Ion Ratio Lower Upper
240 100
120 8.2 7.4 11.0
236 25.5 21.0 31.6

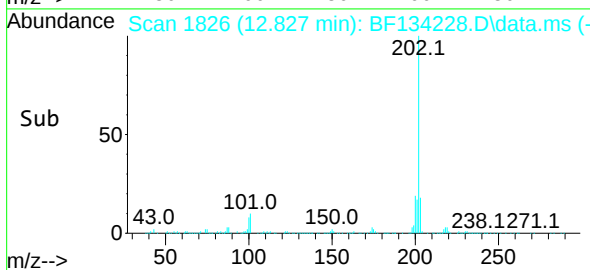
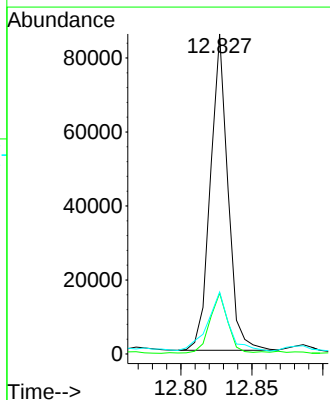
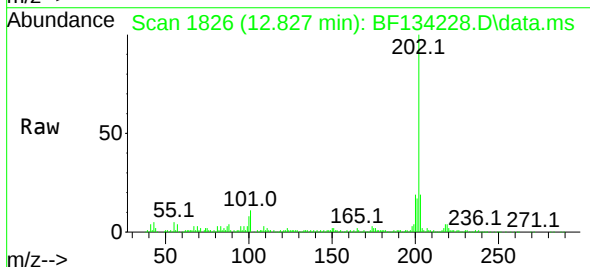
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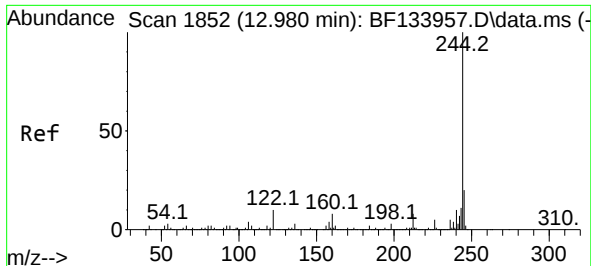
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#78
Pyrene
Concen: 3.761 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

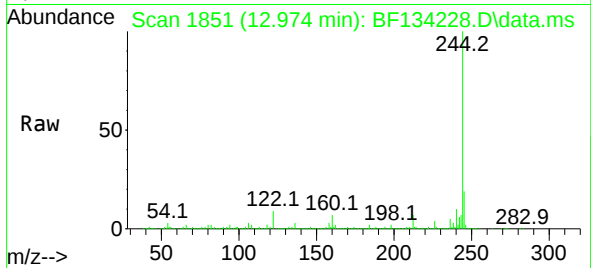
Tgt Ion:202 Resp: 73096
Ion Ratio Lower Upper
202 100
200 19.0 16.1 24.1
203 19.4 14.3 21.5





#79
Terphenyl-d14
Concen: 75.302 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.000 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

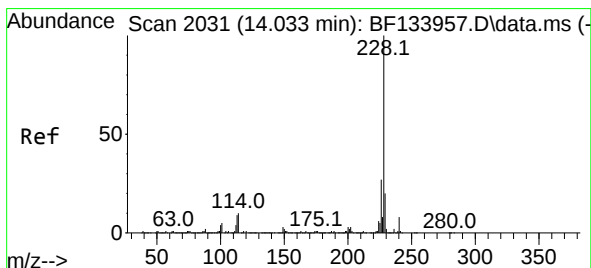
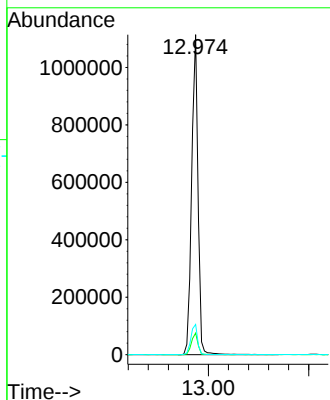
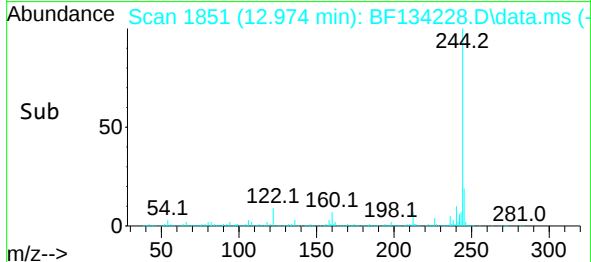
Instrument :
BNA_F
ClientSampleId :
ETGI-330



Tgt Ion:244 Resp: 977000
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 9.4 8.3 12.5

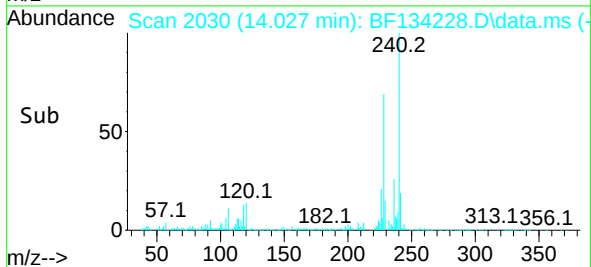
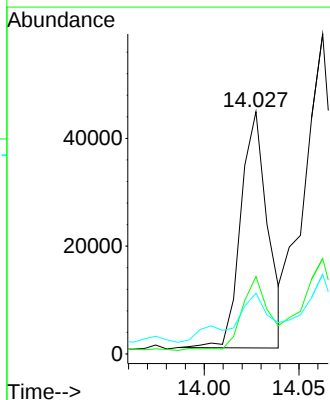
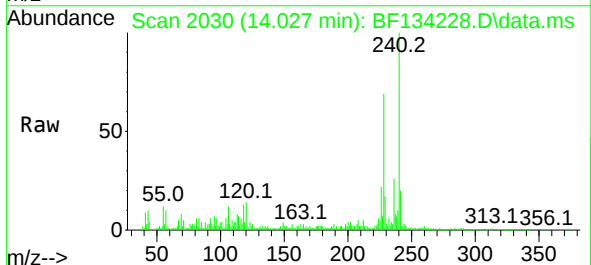
Manual Integrations
APPROVED

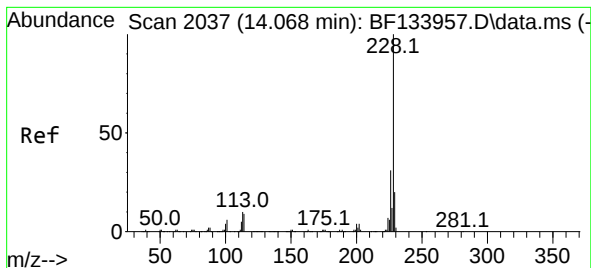
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#81
Benzo(a)anthracene
Concen: 3.004 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

Tgt Ion:228 Resp: 43497
Ion Ratio Lower Upper
228 100
226 32.0 22.0 33.0
229 25.1 16.3 24.5#





#83

Chrysene

Concen: 4.658 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

ETGI-330

Tgt Ion:228 Resp: 65339

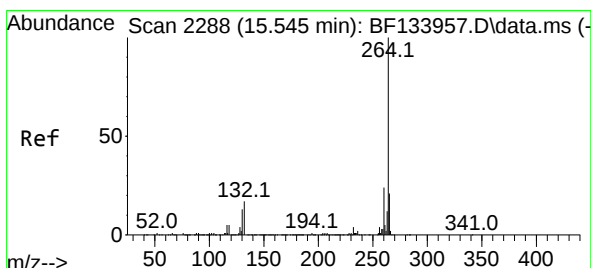
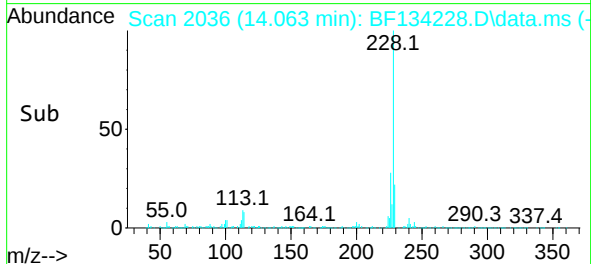
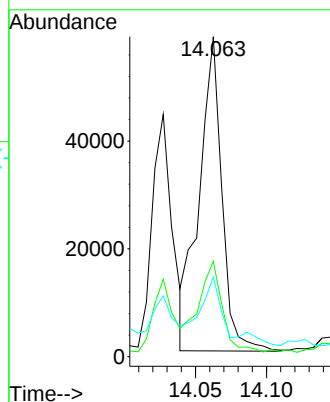
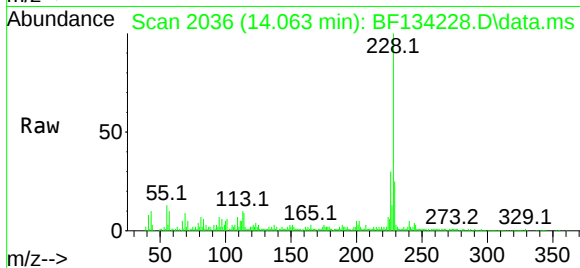
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	24.9	16.1	24.1

Manual Integrations

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Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

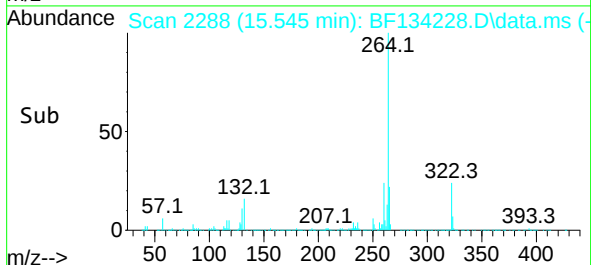
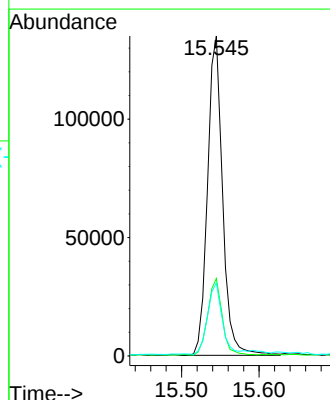
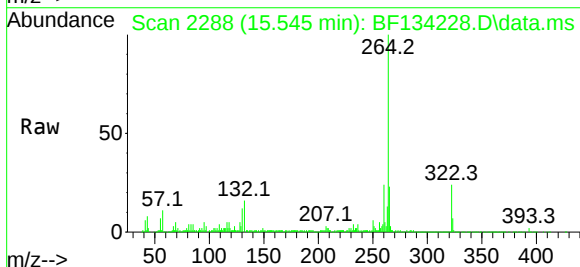
Delta R.T. 0.000 min

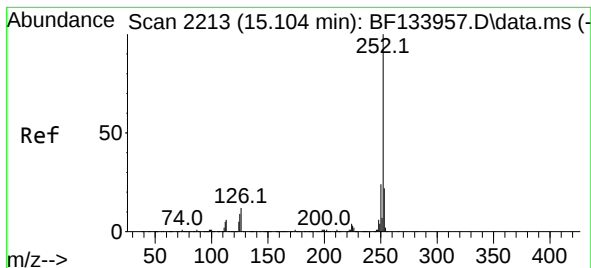
Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

Tgt Ion:264 Resp: 181700

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.8	16.6	25.0





#88

Benzo(b)fluoranthene

Concen: 5.090 ng m

RT: 15.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

ETGI-330

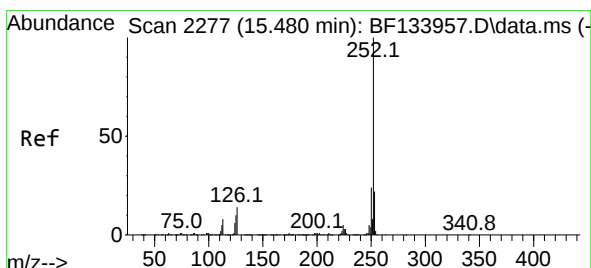
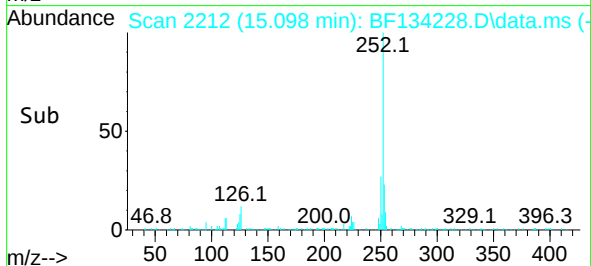
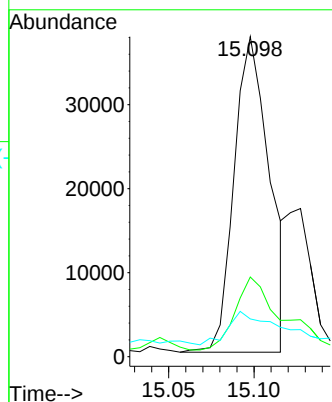
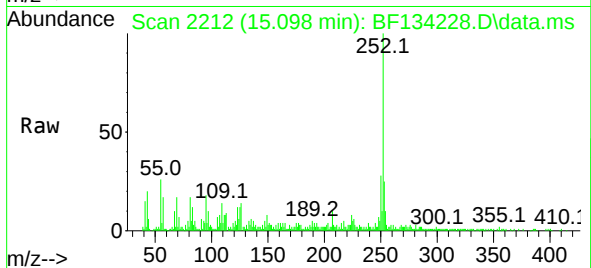
Tgt Ion:252 Resp: 54380
 Ion Ratio Lower Upper
 252 100
 253 24.9 17.4 26.0
 125 11.8 7.1 10.7

Manual Integrations

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Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#90

Benzo(a)pyrene

Concen: 3.073 ng

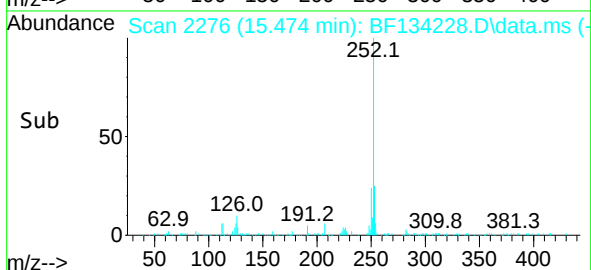
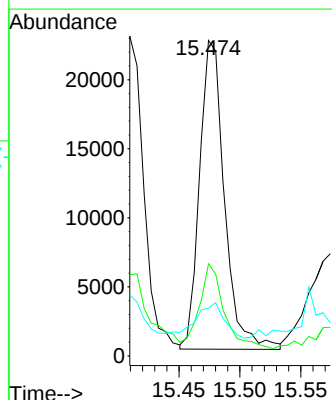
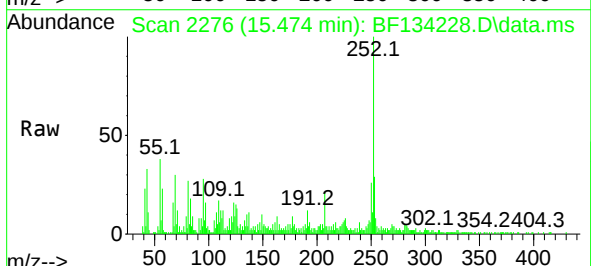
RT: 15.474 min Scan# 2276

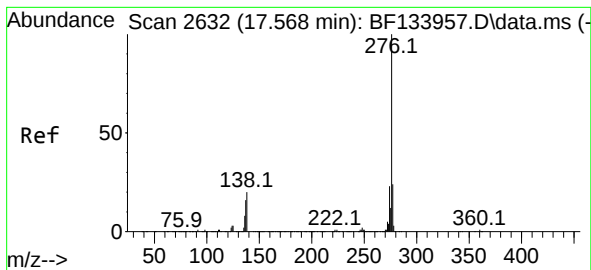
Delta R.T. -0.006 min

Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

Tgt Ion:252 Resp: 31744
 Ion Ratio Lower Upper
 252 100
 253 29.2 17.4 26.0#
 125 15.2 8.4 12.6#





#92

Benzo(g,h,i)perylene

Concen: 2.169 ng

RT: 17.556 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134228.D

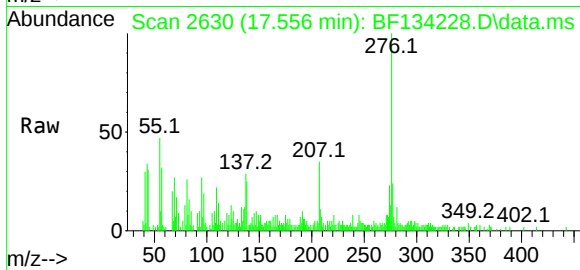
Acq: 11 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

ETGI-330



Tgt Ion:	276	Resp:	23030
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.0	28.6
138	25.0	16.2	24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023

