

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050223\
 Data File : BF133196.D
 Acq On : 02 May 2023 18:53
 Operator : CG\JU
 Sample : 02569-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-339

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023

Quant Time: May 03 05:54:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 04:52:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	217429	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	865874	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	429791	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	662723	20.000	ng	0.00
76) Chrysene-d12	13.886	240	370534	20.000	ng	0.00
86) Perylene-d12	15.309	264	400950	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1360679	94.535	ng	0.00
7) Phenol-d6	6.375	99	1628752	91.169	ng	0.00
23) Nitrobenzene-d5	7.292	82	1007163	62.785	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	369858	85.568	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1709243	66.534	ng	0.00
79) Terphenyl-d14	12.839	244	1386583	64.539	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.269	178	156659	4.398	ng	99
75) Fluoranthene	12.457	202	215416	6.026	ng	97
78) Pyrene	12.686	202	178941	5.634	ng	98
81) Benzo(a)anthracene	13.874	228	96183	3.775	ng	97
83) Chrysene	13.910	228	88220	3.463	ng	94
87) Indeno(1,2,3-cd)pyrene	16.680	276	50647	2.221	ng	93
88) Benzo(b)fluoranthene	14.904	252	124850m	4.895	ng	
90) Benzo(a)pyrene	15.245	252	82142	3.538	ng	# 82
92) Benzo(g,h,i)perylene	17.092	276	47191	2.513	ng	97

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

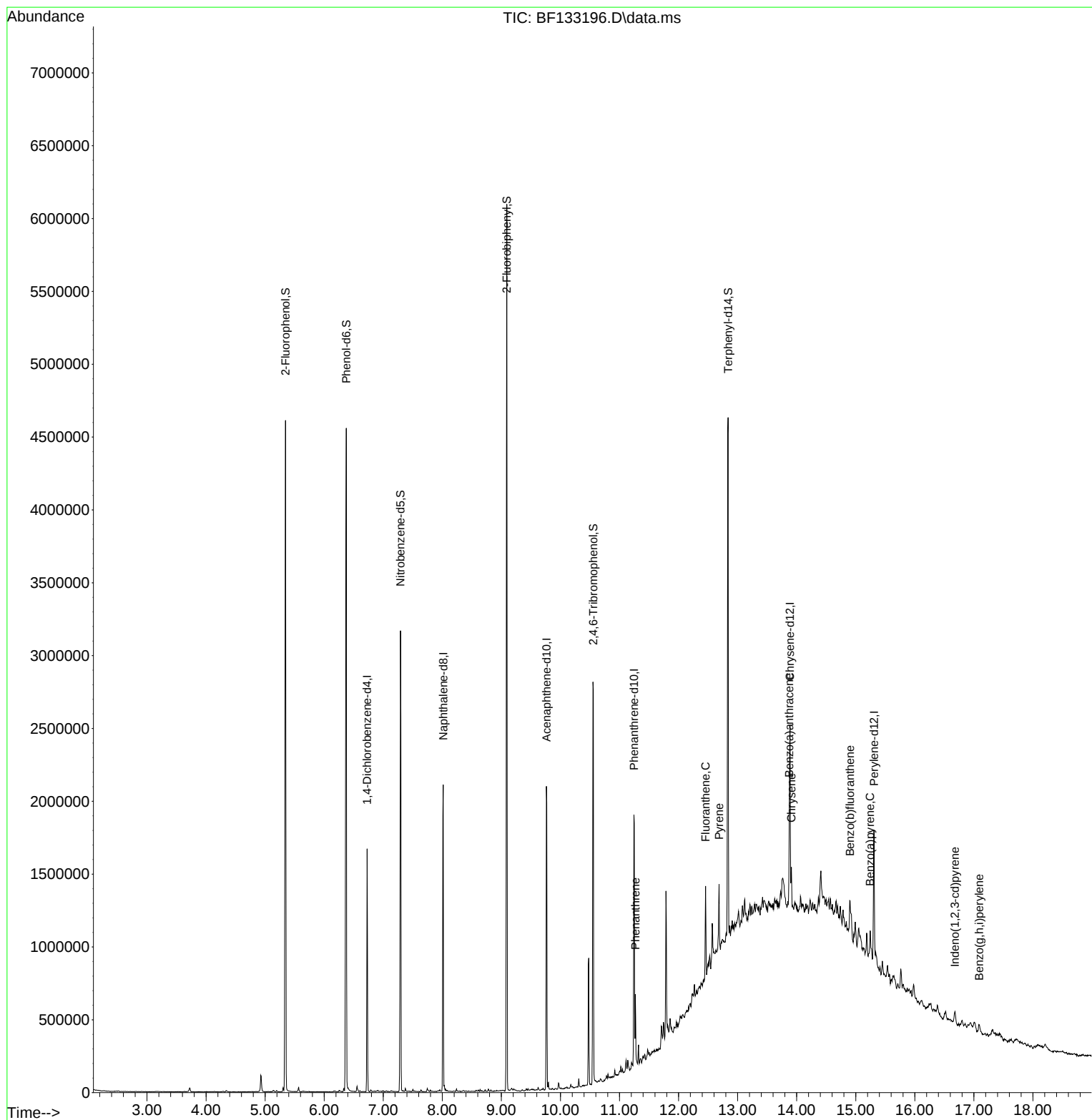
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050223\
Data File : BF133196.D
Acq On : 02 May 2023 18:53
Operator : CG\JU
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ALS Vial : 19 Sample Multiplier: 1

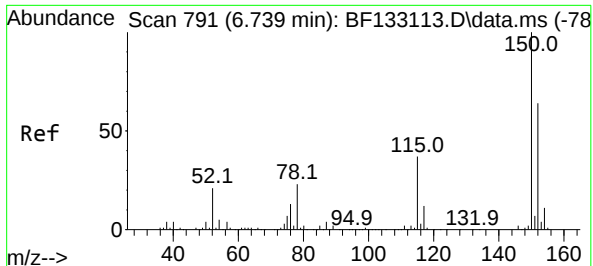
Instrument :
BNA_F
ClientSampleId :
ETGI-339

Quant Time: May 03 05:54:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 04:52:44 2023
Response via : Initial Calibration

Manual Integrations
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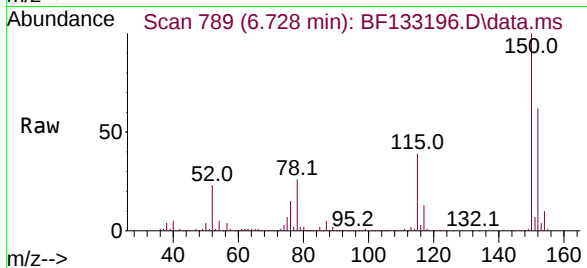
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

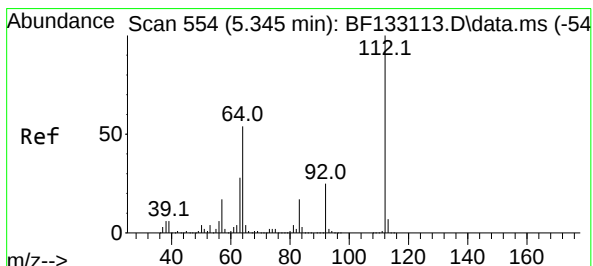
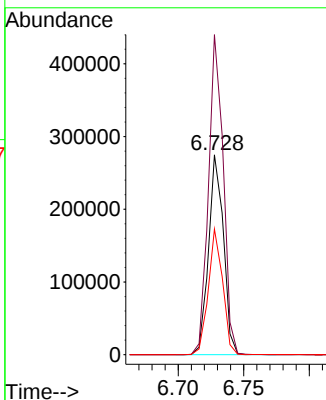
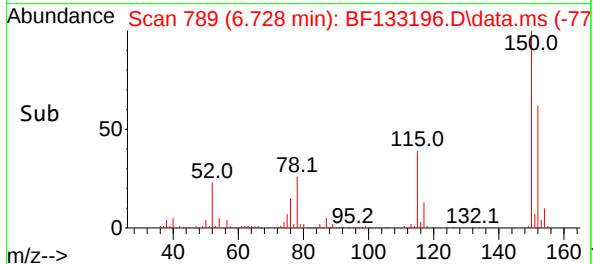
Instrument :
BNA_F
ClientSampleId :
ETGI-339



Tgt Ion:152 Resp: 217429
Ion Ratio Lower Upper
152 100
150 160.2 124.8 187.2
115 62.8 49.9 74.9

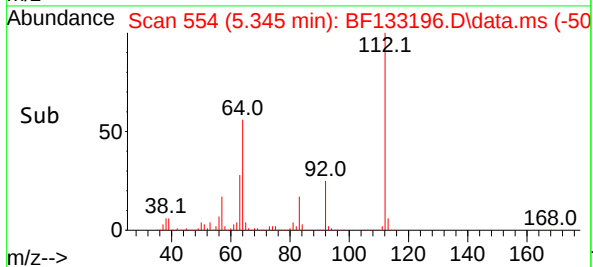
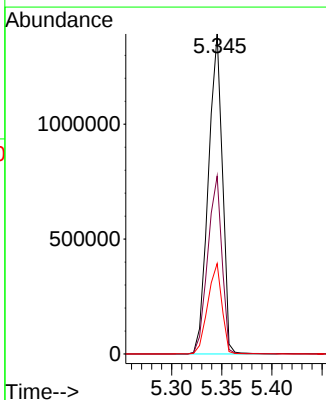
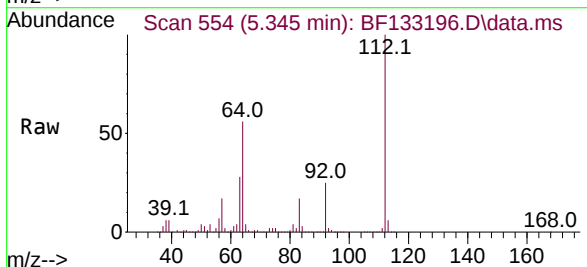
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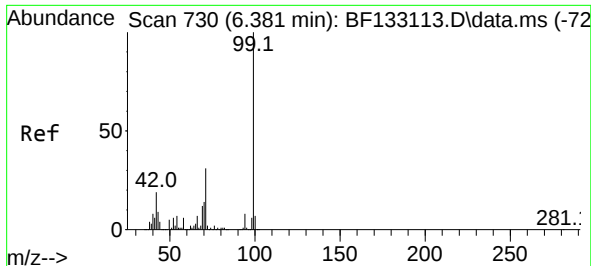
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#5
2-Fluorophenol
Concen: 94.535 ng
RT: 5.345 min Scan# 554
Delta R.T. 0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

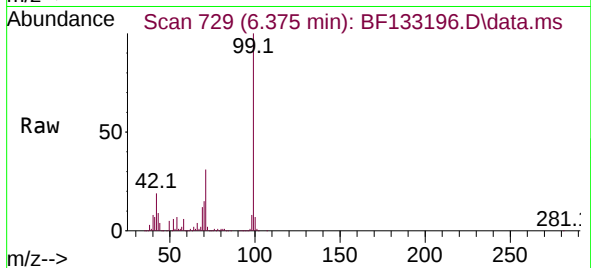
Tgt Ion:112 Resp: 1360679
Ion Ratio Lower Upper
112 100
64 55.6 46.8 70.2
63 28.2 23.8 35.8





#7
Phenol-d6
Concen: 91.169 ng
RT: 6.375 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

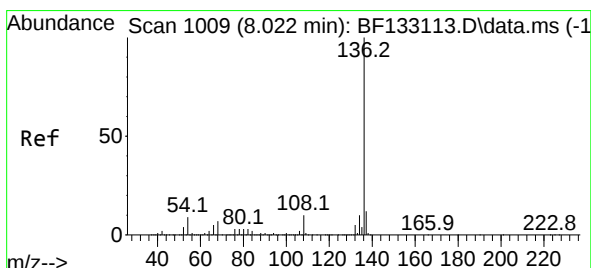
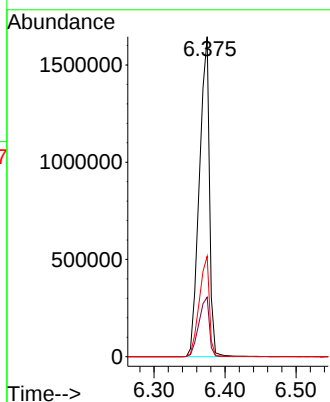
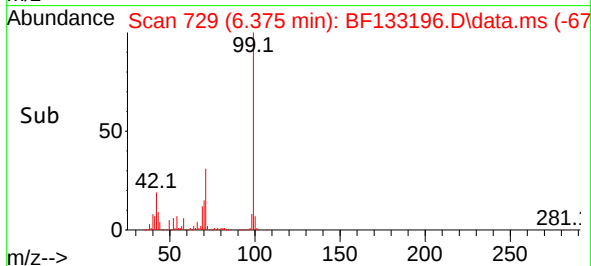
Instrument :
BNA_F
ClientSampleId :
ETGI-339



Tgt Ion: 99 Resp: 162875
Ion Ratio Lower Upper
99 100
42 18.6 16.3 24.5
71 31.4 25.6 38.4

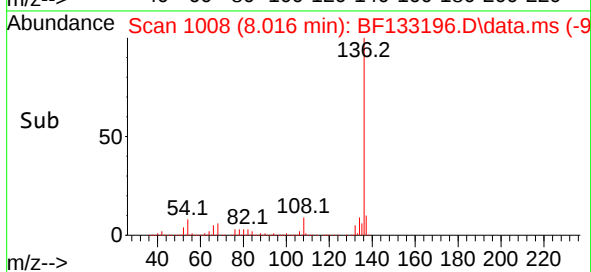
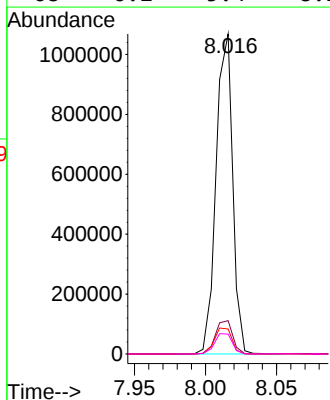
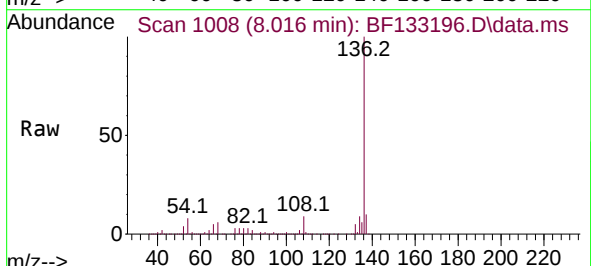
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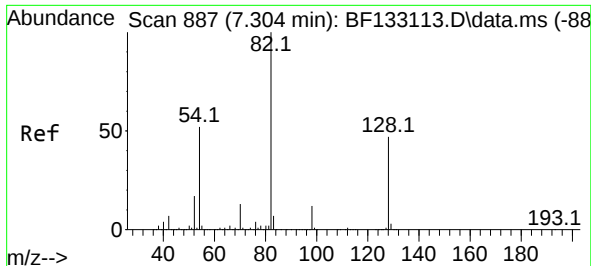
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Tgt Ion:136 Resp: 865874
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 7.8 7.0 10.4
68 6.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 62.785 ng

RT: 7.292 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-339

Tgt Ion: 82 Resp: 100716

Ion Ratio Lower Upper

82 100

128 46.6 37.7 56.5

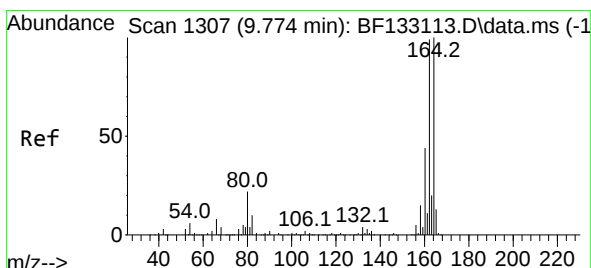
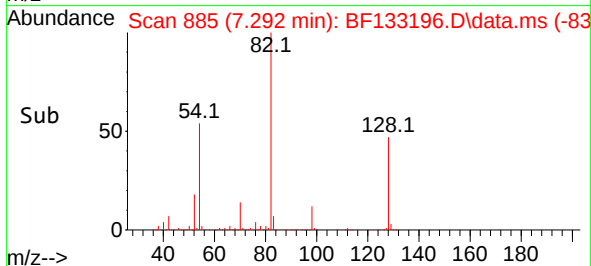
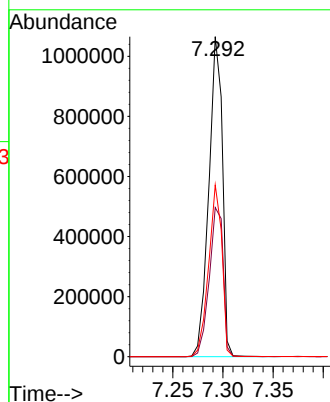
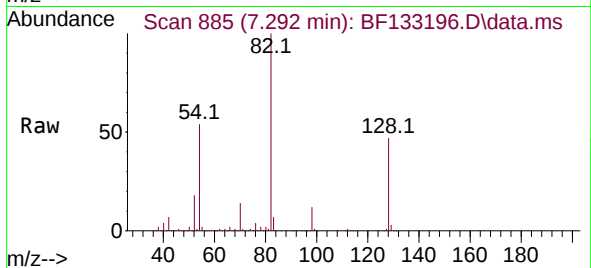
54 53.7 43.0 64.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

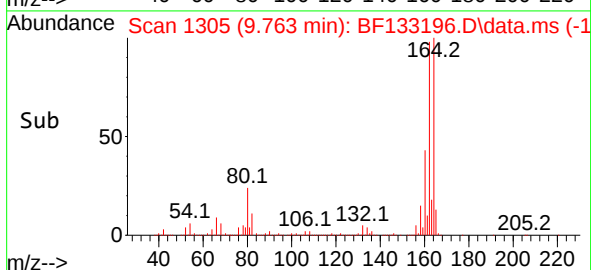
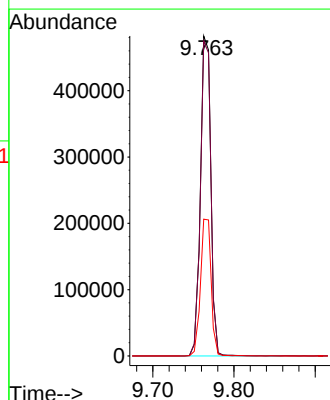
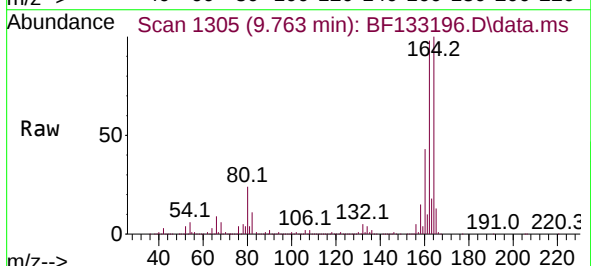
Tgt Ion:164 Resp: 429791

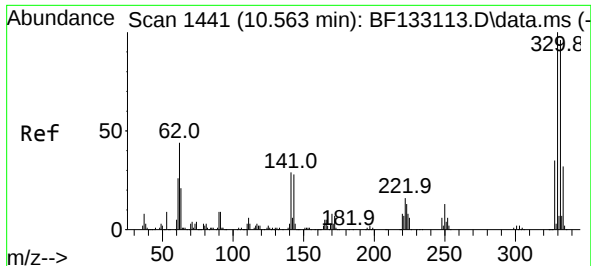
Ion Ratio Lower Upper

164 100

162 98.4 78.7 118.1

160 42.8 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 85.568 ng
RT: 10.557 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

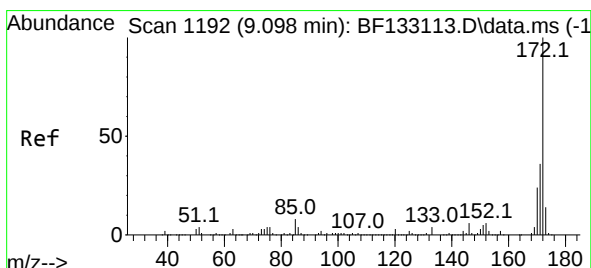
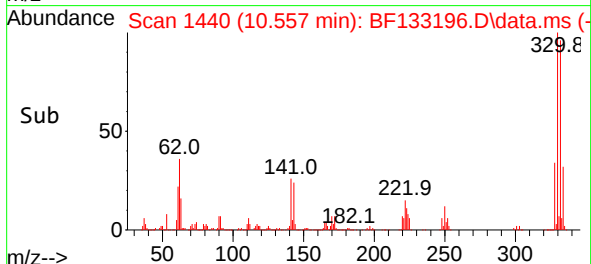
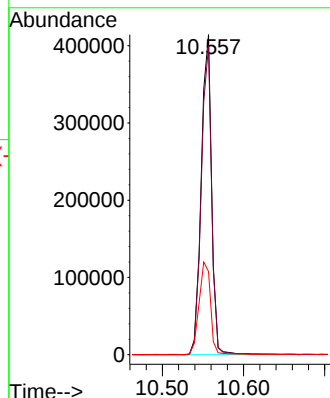
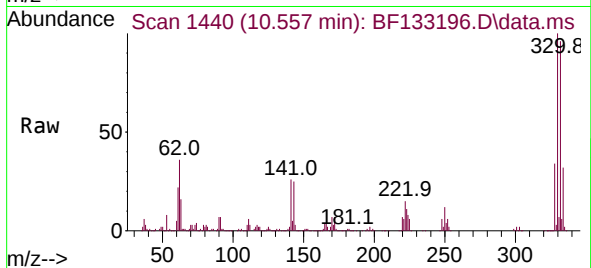
ETGI-339

Tgt Ion:330 Resp: 369858
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 32.0 25.8 38.8

Manual Integrations

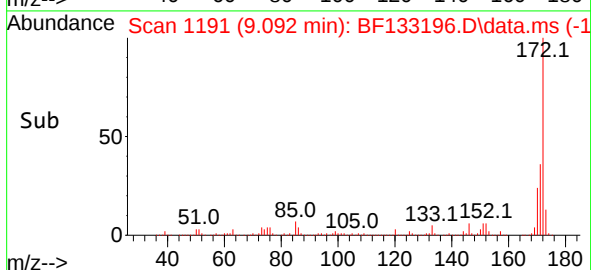
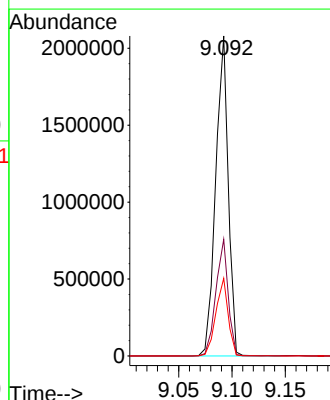
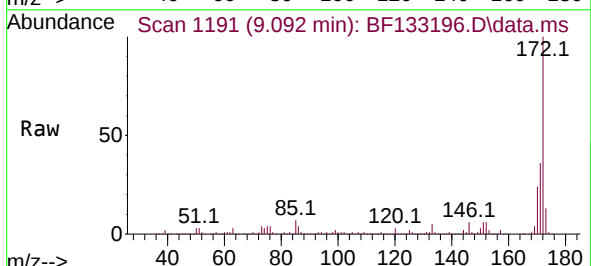
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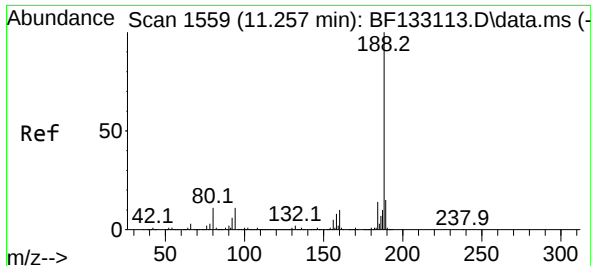
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#45
2-Fluorobiphenyl
Concen: 66.534 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Tgt Ion:172 Resp: 1709243
Ion Ratio Lower Upper
172 100
171 36.5 28.8 43.2
170 24.2 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Instrument :

BNA_F

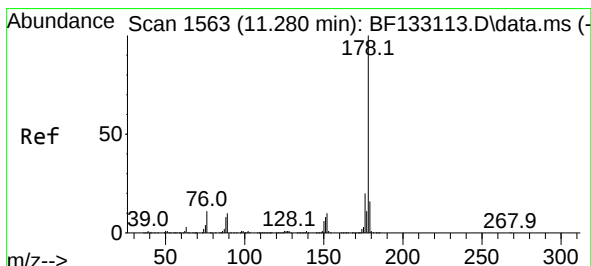
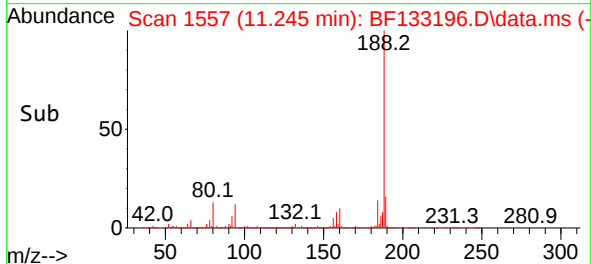
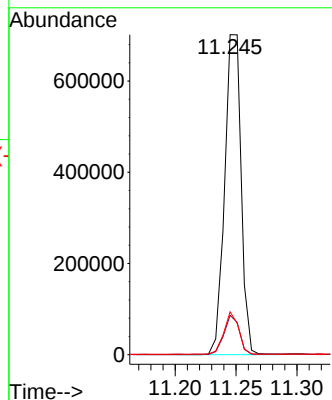
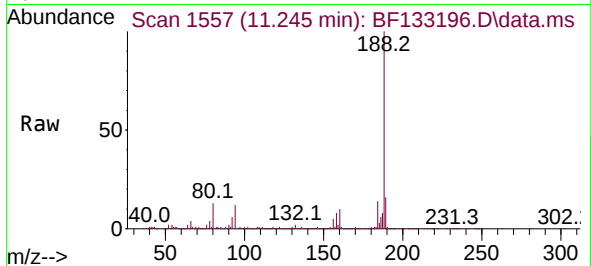
ClientSampleId :

ETGI-339

Tgt Ion:188 Resp: 66272
Ion Ratio Lower Upper
188 100
94 12.3 9.7 14.5
80 13.4 10.4 15.6

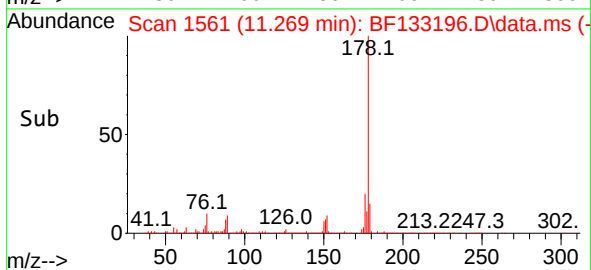
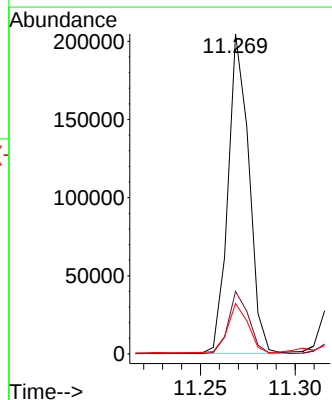
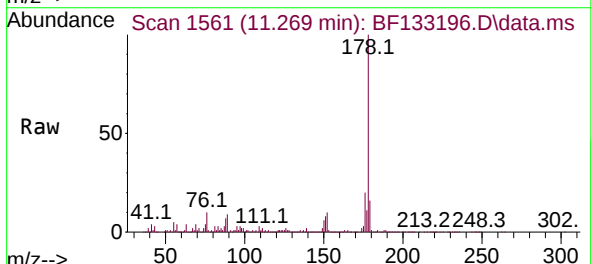
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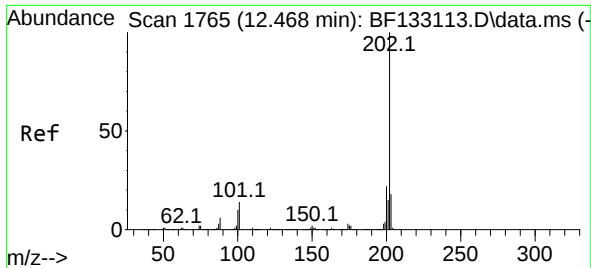
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#71
Phenanthrene
Concen: 4.398 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

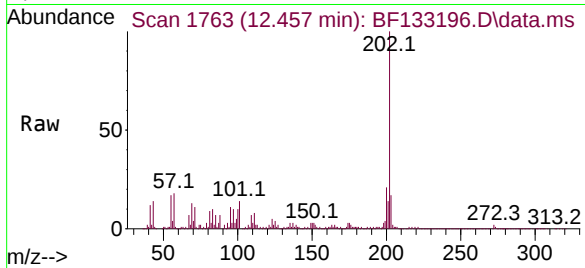
Tgt Ion:178 Resp: 156659
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.7 12.5 18.7





#75
Fluoranthene
Concen: 6.026 ng
RT: 12.457 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

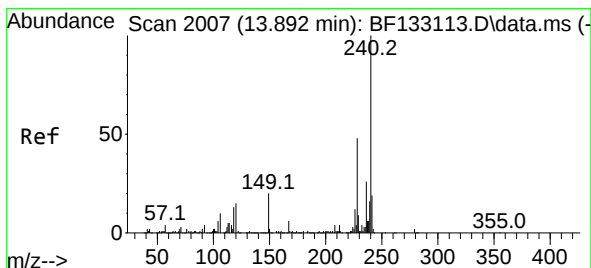
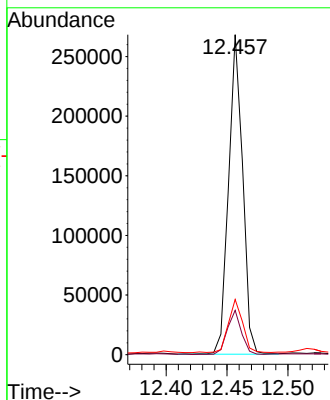
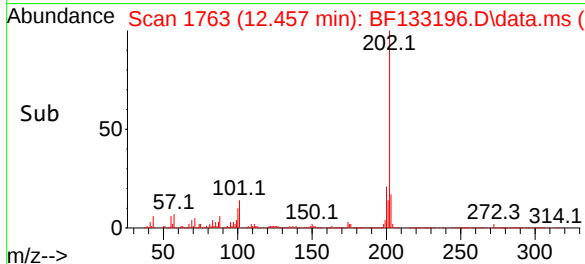
Instrument :
BNA_F
ClientSampleId :
ETGI-339



Tgt Ion:202 Resp: 215410
Ion Ratio Lower Upper
202 100
101 13.9 0.0 35.3
203 17.3 0.0 38.1

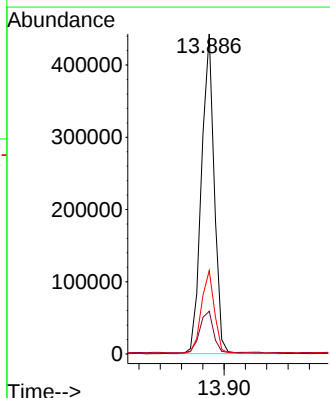
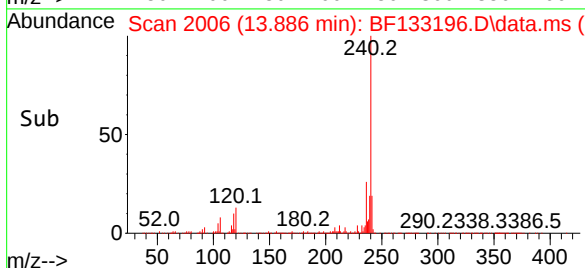
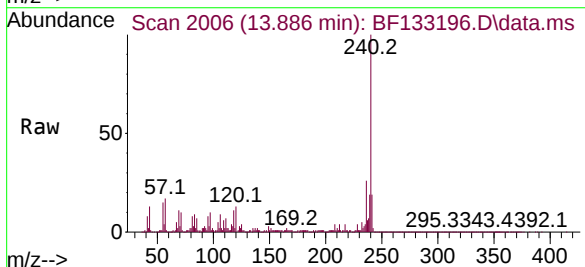
Manual Integrations
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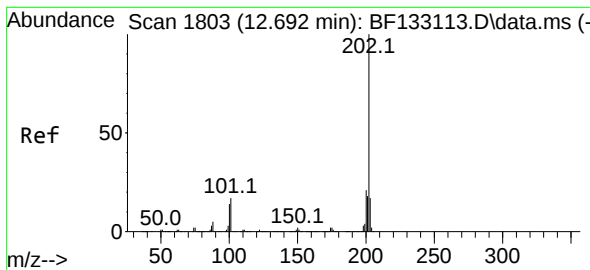
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Tgt Ion:240 Resp: 370534
Ion Ratio Lower Upper
240 100
120 13.3 10.5 15.7
236 26.0 21.5 32.3





#78

Pyrene

Concen: 5.634 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-339

Tgt Ion:202 Resp: 17894

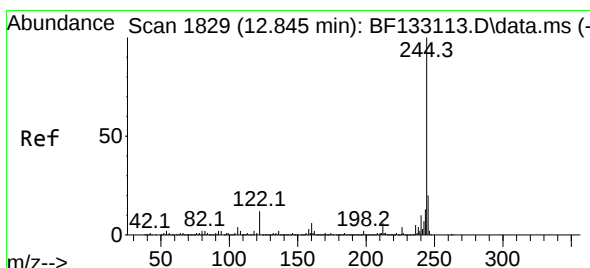
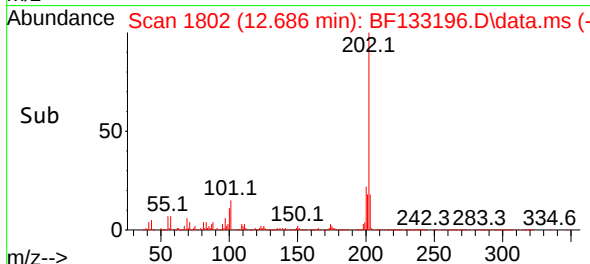
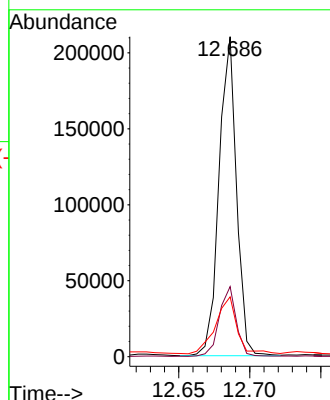
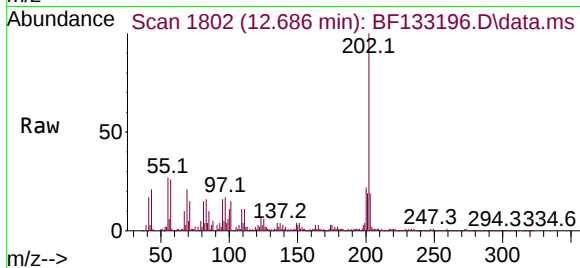
Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.1	25.7
203	18.7	14.1	21.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#79

Terphenyl-d14

Concen: 64.539 ng

RT: 12.839 min Scan# 1828

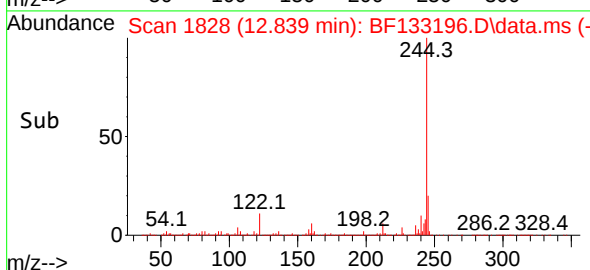
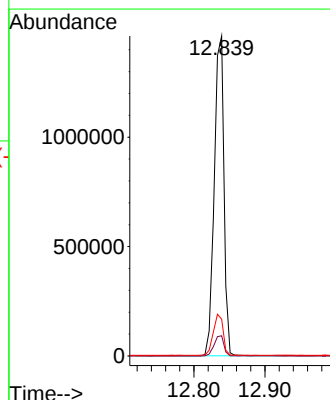
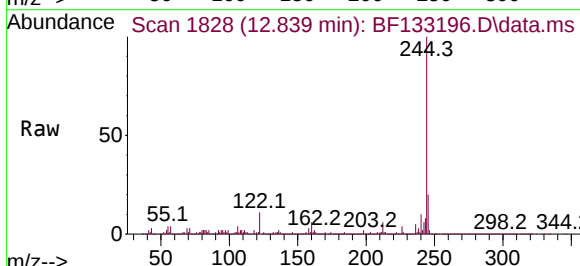
Delta R.T. 0.000 min

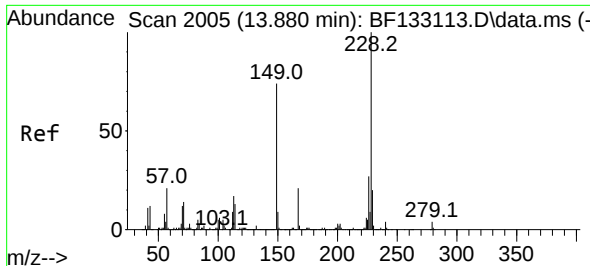
Lab File: BF133196.D

Acq: 02 May 2023 18:53

Tgt Ion:244 Resp: 1386583

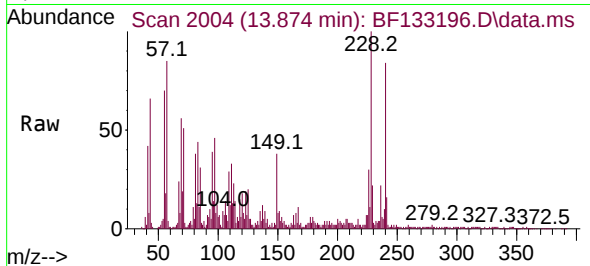
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.1	7.7
122	11.5	8.6	13.0





#81
Benzo(a)anthracene
Concen: 3.775 ng
RT: 13.874 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

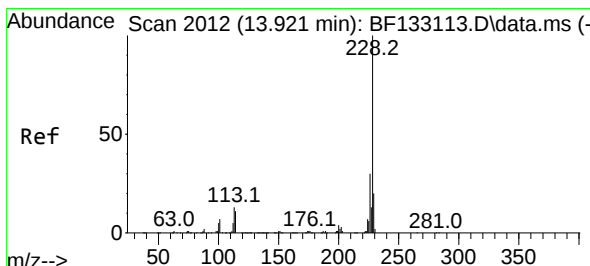
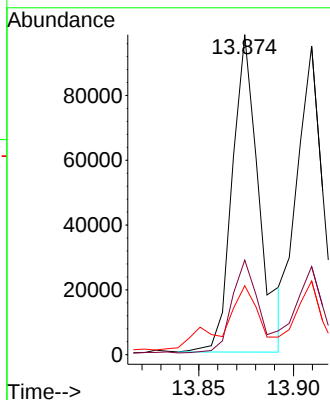
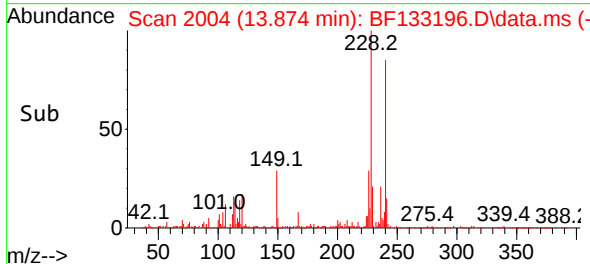
Instrument :
BNA_F
ClientSampleId :
ETGI-339



Tgt Ion:228 Resp: 9618
Ion Ratio Lower Upper
228 100
226 29.5 22.2 33.4
229 21.6 16.0 24.0

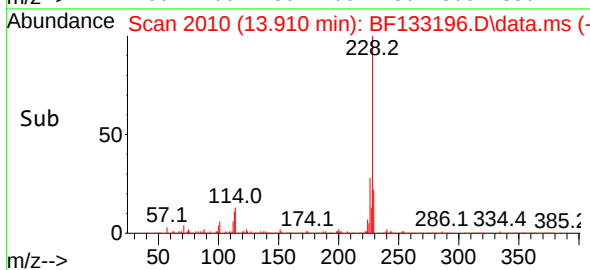
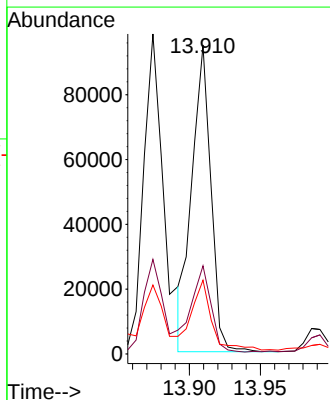
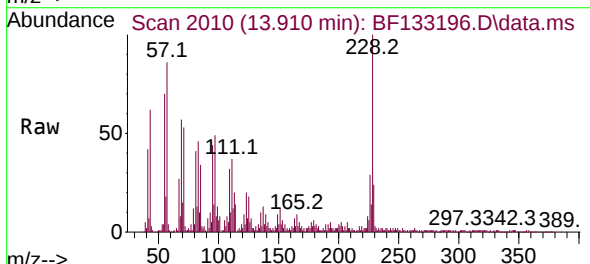
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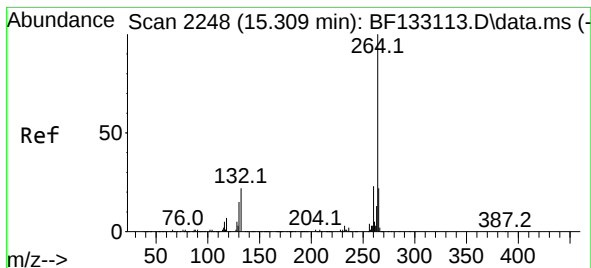
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#83
Chrysene
Concen: 3.463 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Tgt Ion:228 Resp: 88220
Ion Ratio Lower Upper
228 100
226 28.6 24.7 37.1
229 23.9 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.309 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

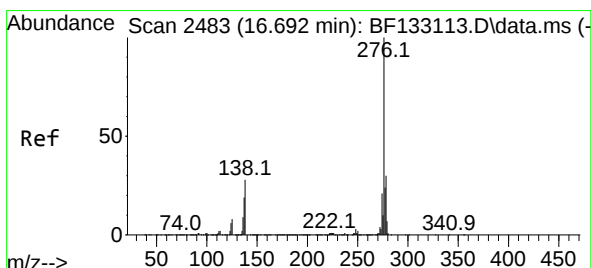
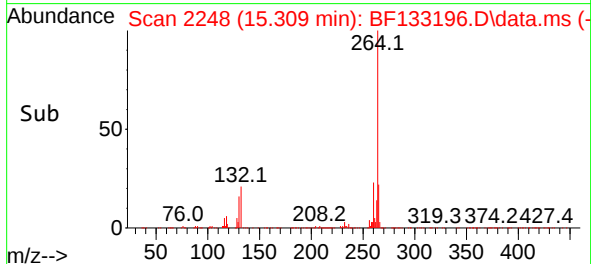
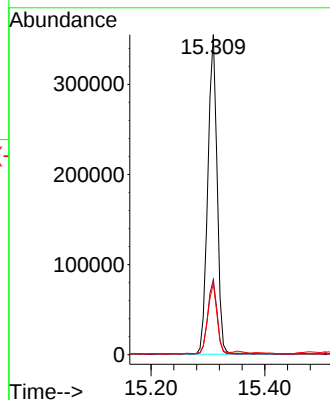
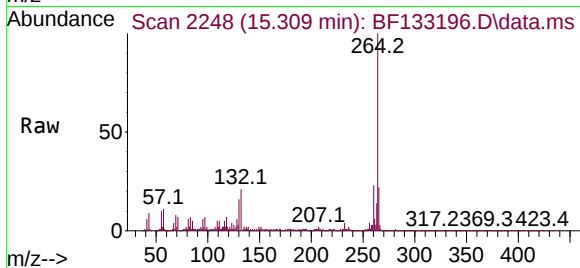
ETGI-339

Tgt Ion:	264	Resp:	400950
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.8	28.2
265	22.2	17.0	25.4

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Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.221 ng

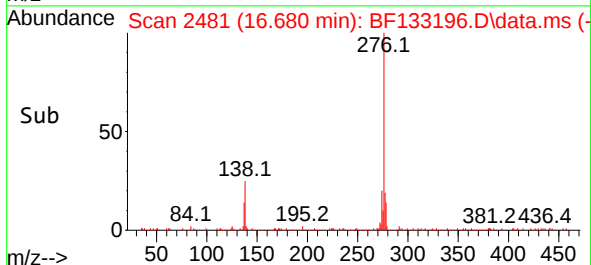
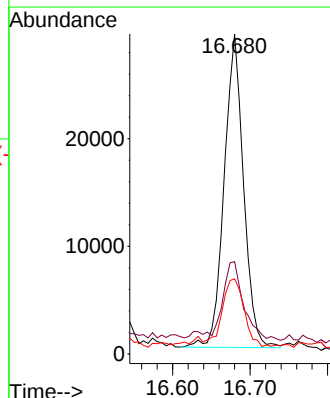
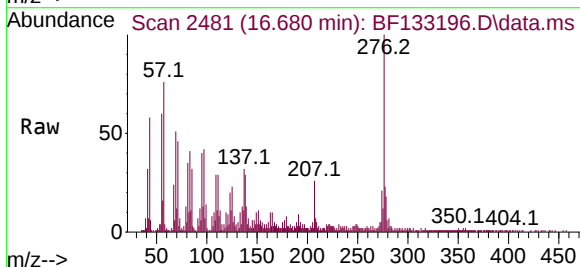
RT: 16.680 min Scan# 2481

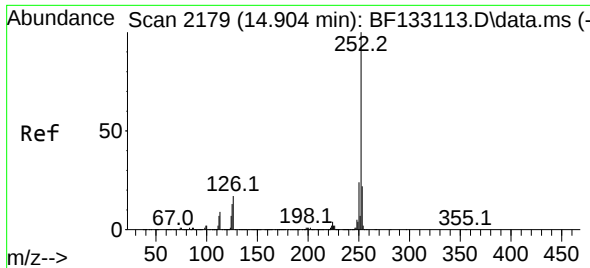
Delta R.T. -0.012 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

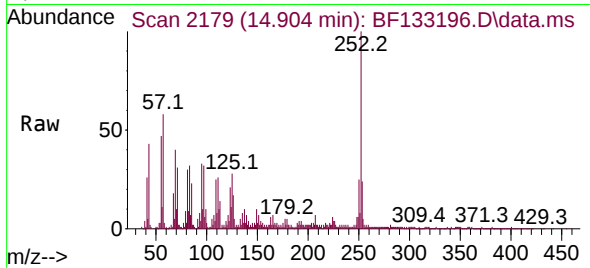
Tgt Ion:	276	Resp:	50647
Ion Ratio	Lower	Upper	
276	100		
138	26.5	25.5	38.3
277	24.1	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 4.895 ng m
RT: 14.904 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

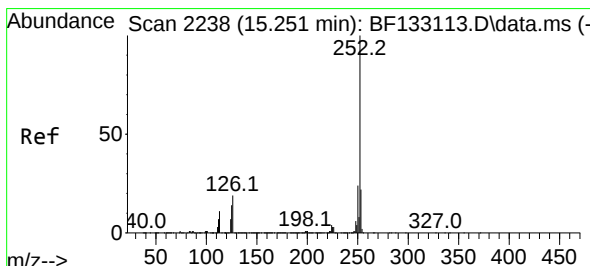
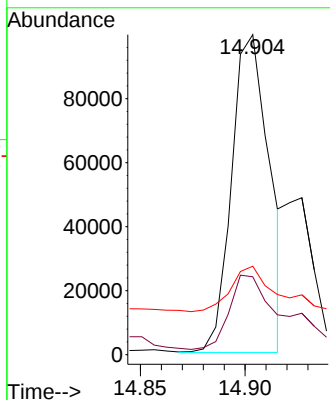
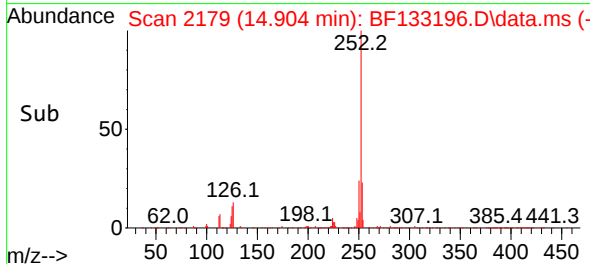
Instrument :
BNA_F
ClientSampleId :
ETGI-339



Tgt Ion:252 Resp: 124850
Ion Ratio Lower Upper
252 100
253 24.4 17.6 26.4
125 27.6 8.9 13.3

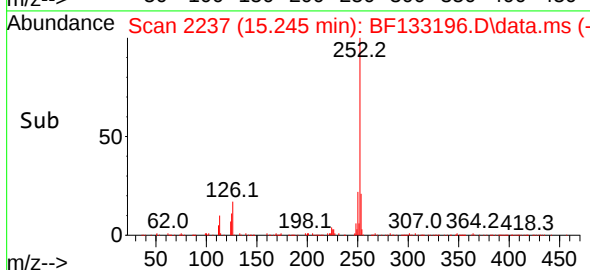
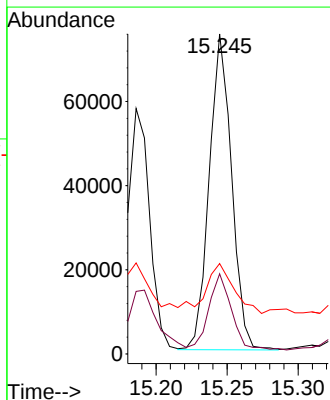
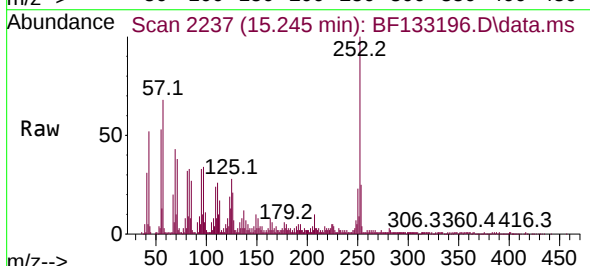
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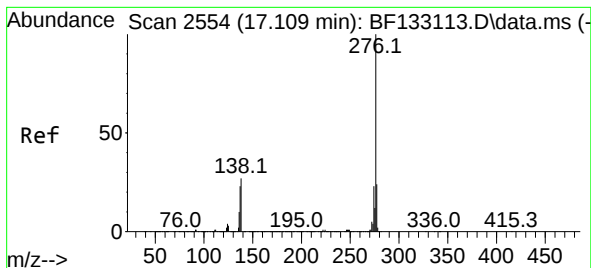
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#90
Benzo(a)pyrene
Concen: 3.538 ng
RT: 15.245 min Scan# 2237
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Tgt Ion:252 Resp: 82142
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 28.3 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 2.513 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-339

Tgt Ion:	276	Resp:	4719
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.4	29.0
138	30.8	22.7	34.1

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Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

