

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051523\
 Data File : BF133392.D
 Acq On : 15 May 2023 19:55
 Operator : CG\JU
 Sample : 02782-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-363

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/16/2023
 Supervised By : Yogesh Patel 05/16/2023

Quant Time: May 16 03:14:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	176095	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	686669	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	241883	20.000	ng	0.00
64) Phenanthrene-d10	11.274	188	243133	20.000	ng	# 0.04
76) Chrysene-d12	13.980	240	54177	20.000	ng	# 0.10
86) Perylene-d12	15.415	264	114696	20.000	ng	# 0.12
System Monitoring Compounds						
5) 2-Fluorophenol	5.316	112	646567	55.465	ng	-0.01
7) Phenol-d6	6.357	99	775473	53.595	ng	-0.01
23) Nitrobenzene-d5	7.281	82	449320	35.320	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	123582	50.803	ng	0.02
45) 2-Fluorobiphenyl	9.080	172	782053	54.091	ng	0.00
79) Terphenyl-d14	12.904	244	158167	50.351	ng	0.08
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.716	142	220981	9.415	ng	99
38) 1-Methylnaphthalene	8.816	142	128118	5.835	ng	97
52) Acenaphthene	9.798	154	36614	2.437	ng	# 64
71) Phenanthrene	11.298	178	474451m	36.307	ng	
72) Anthracene	11.304	178	271831m	20.326	ng	
73) Carbazole	11.498	167	75772	6.363	ng	# 1
75) Fluoranthene	12.521	202	589269	44.931	ng	87
78) Pyrene	12.763	202	391563	84.312	ng	# 88
81) Benzo(a)anthracene	13.968	228	135392m	36.341	ng	
83) Chrysene	14.004	228	140292	37.666	ng	96
84) Bis(2-ethylhexyl)phtha...	13.945	149	820633	397.590	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.821	276	338970m	51.956	ng	
88) Benzo(b)fluoranthene	15.004	252	234451m	32.131	ng	
89) Benzo(k)fluoranthene	15.015	252	106359m	14.704	ng	
90) Benzo(a)pyrene	15.356	252	211445	31.836	ng	# 18
91) Dibenzo(a,h)anthracene	16.827	278	80613	14.815	ng	# 26
92) Benzo(g,h,i)perylene	17.239	276	340023	63.294	ng	96

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

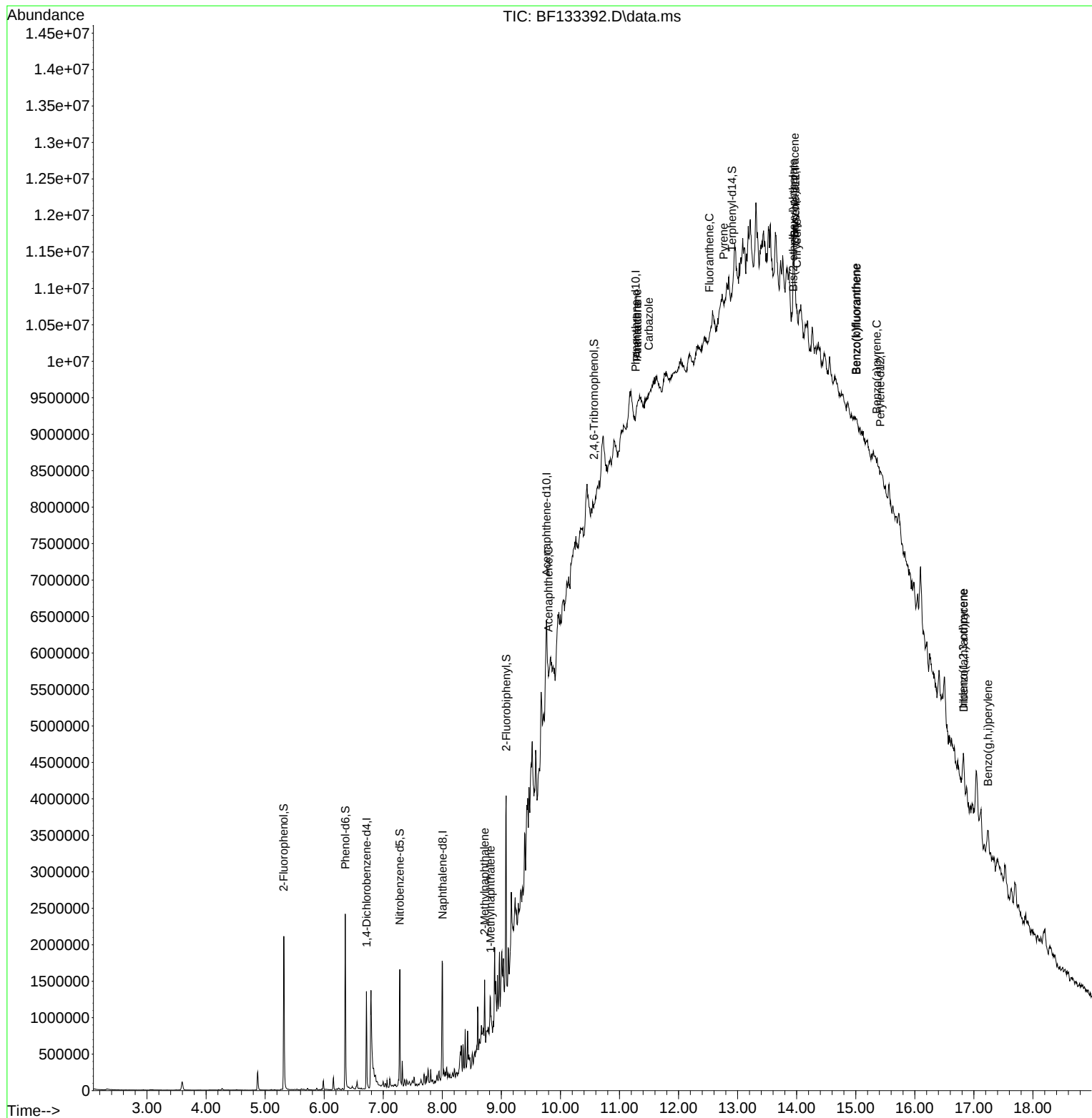
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051523\
Data File : BF133392.D
Acq On : 15 May 2023 19:55
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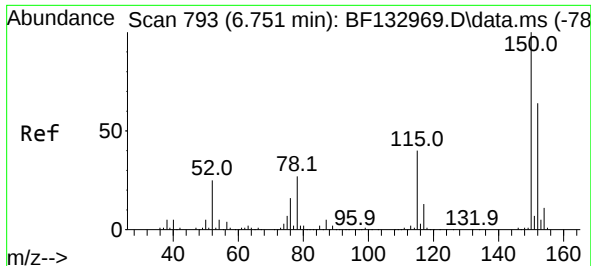
Instrument :
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Quant Time: May 16 03:14:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 11 16:40:17 2023
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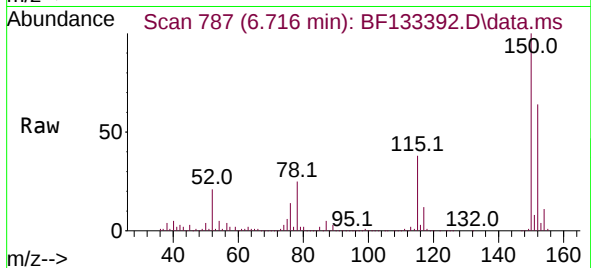
Reviewed By : Christian Giraldo 05/16/2023
Supervised By : Yogesh Patel 05/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

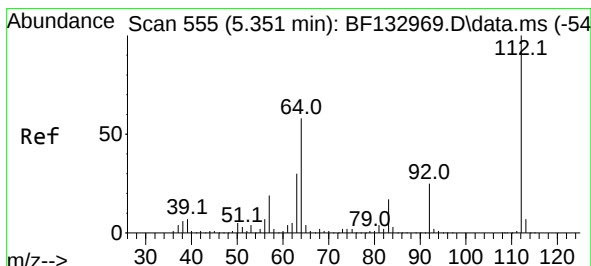
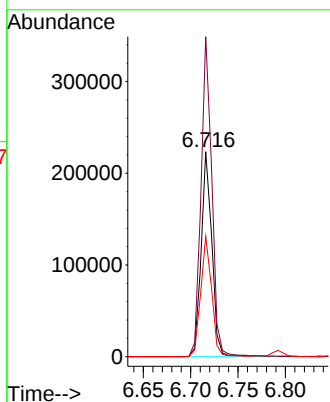
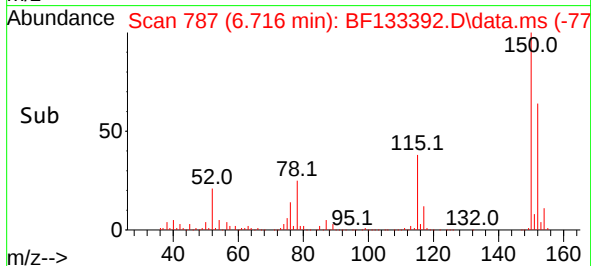
Instrument :
BNA_F
ClientSampleId :
ETGI-363



Tgt Ion:152 Resp: 17609
Ion Ratio Lower Upper
152 100
150 156.1 124.8 187.2
115 58.7 49.9 74.9

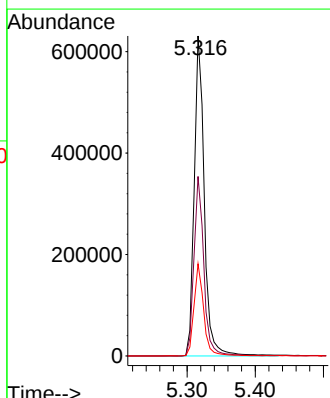
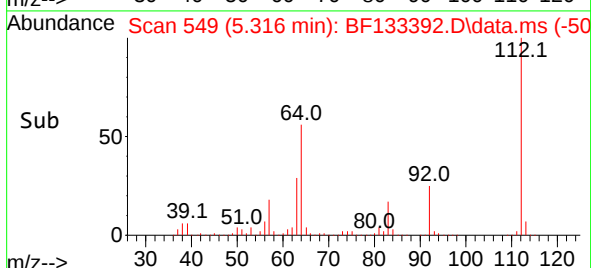
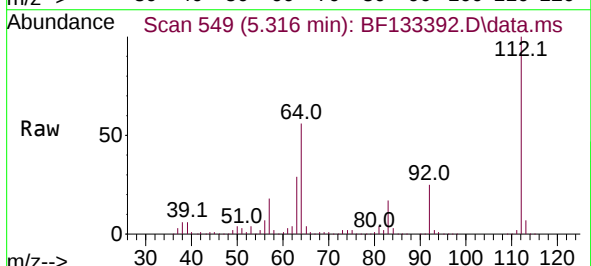
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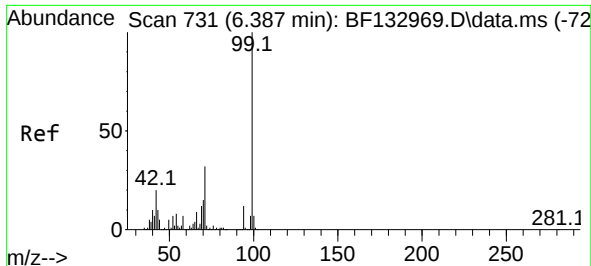
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#5
2-Fluorophenol
Concen: 55.465 ng
RT: 5.316 min Scan# 549
Delta R.T. -0.012 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

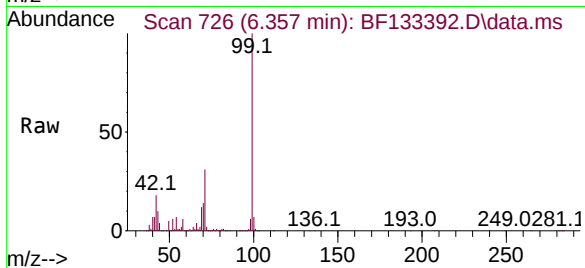
Tgt Ion:112 Resp: 646567
Ion Ratio Lower Upper
112 100
64 56.1 46.8 70.2
63 28.8 23.8 35.8





#7
Phenol-d6
Concen: 53.595 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

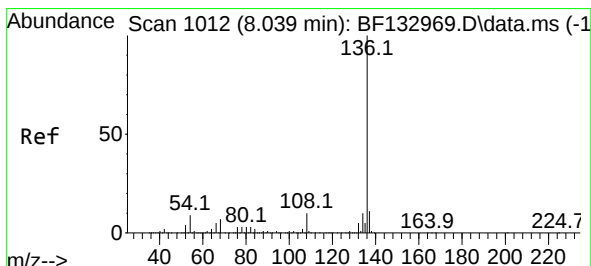
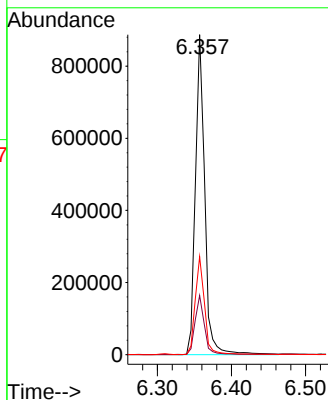
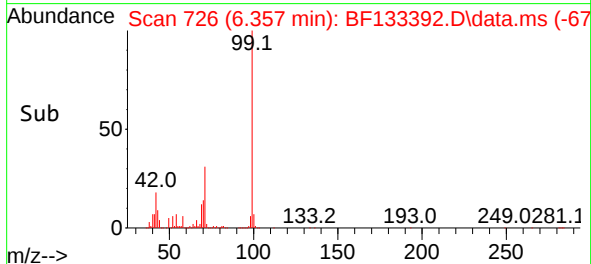
Instrument :
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ClientSampleId :
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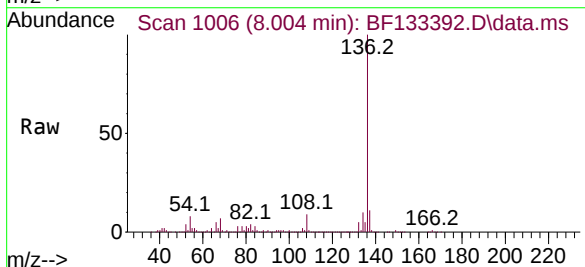
Tgt Ion: 99 Resp: 77547
Ion Ratio Lower Upper
99 100
42 18.5 16.3 24.5
71 30.6 25.6 38.4

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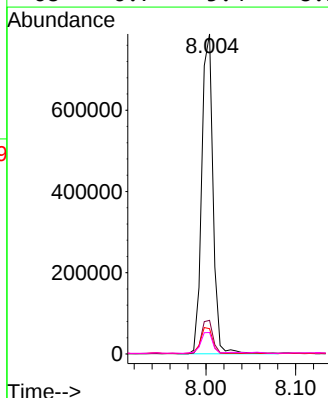
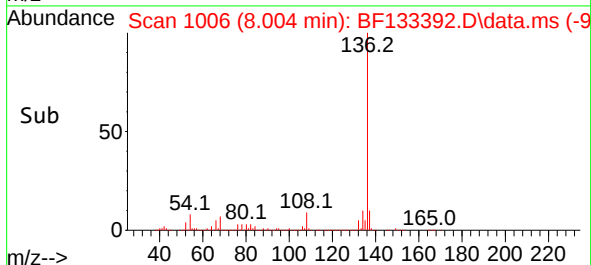
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023

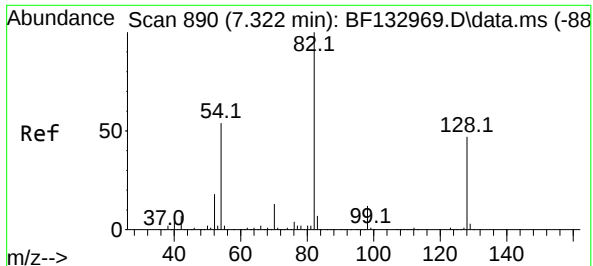


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55



Tgt Ion:136 Resp: 686669
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 7.9 7.0 10.4
68 6.7 5.4 8.2





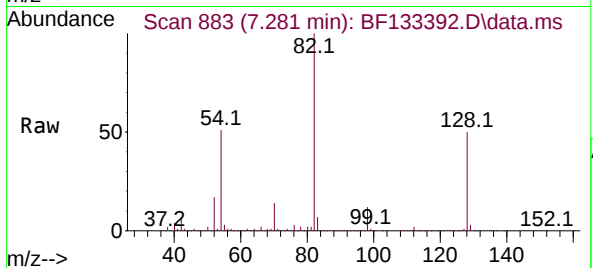
#23
Nitrobenzene-d5
Concen: 35.320 ng
RT: 7.281 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

Instrument :

BNA_F

ClientSampleId :

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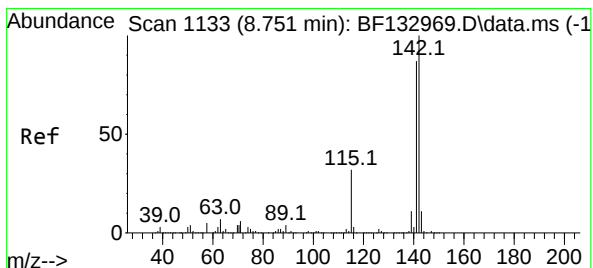
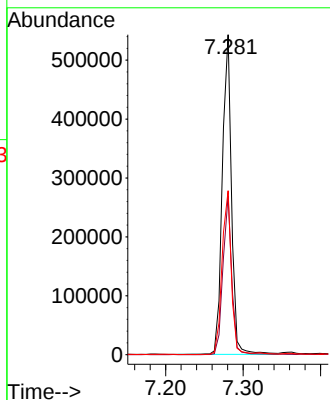
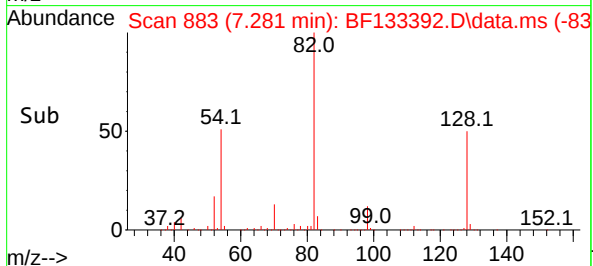


Tgt Ion: 82 Resp: 449320
Ion Ratio Lower Upper
82 100
128 49.7 37.7 56.5
54 51.2 43.0 64.4

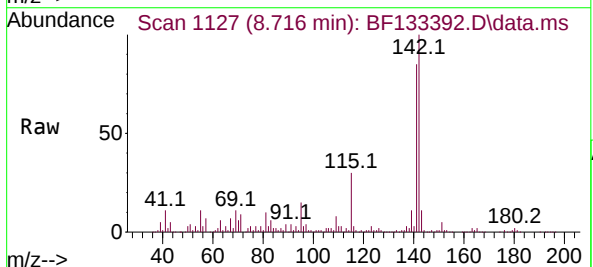
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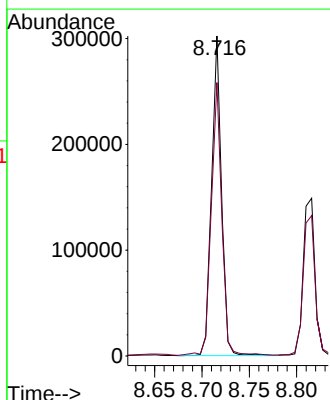
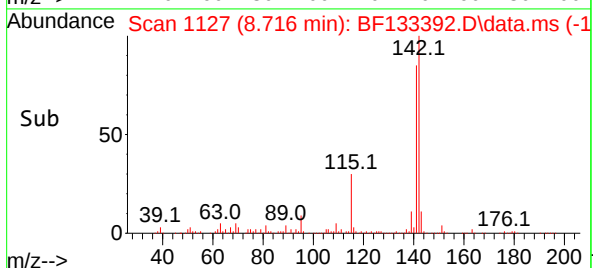
Reviewed By :Christian Giraldo 05/16/2023
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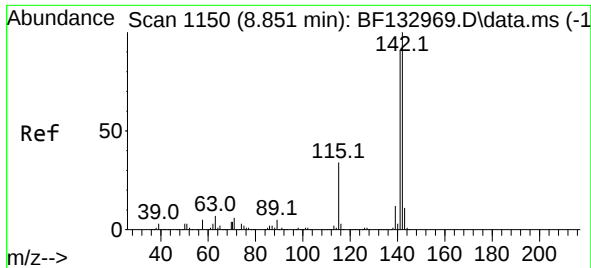


#37
2-Methylnaphthalene
Concen: 9.415 ng
RT: 8.716 min Scan# 1127
Delta R.T. -0.006 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55



Tgt Ion:142 Resp: 220981
Ion Ratio Lower Upper
142 100
141 85.4 69.4 104.0





#38
1-Methylnaphthalene
Concen: 5.835 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

Instrument :

BNA_F

ClientSampleId :

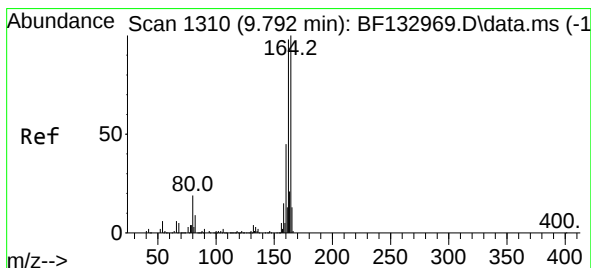
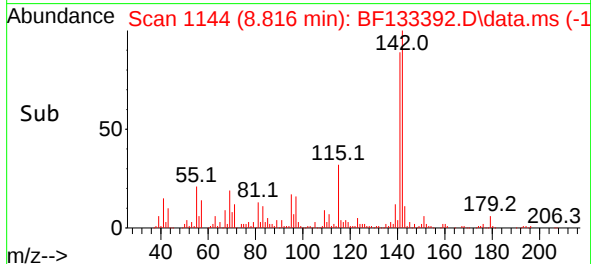
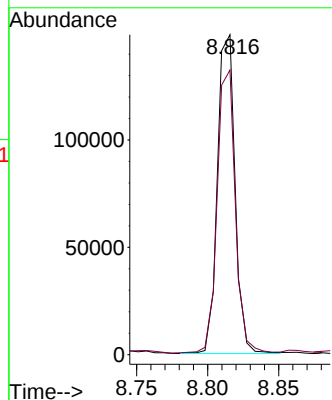
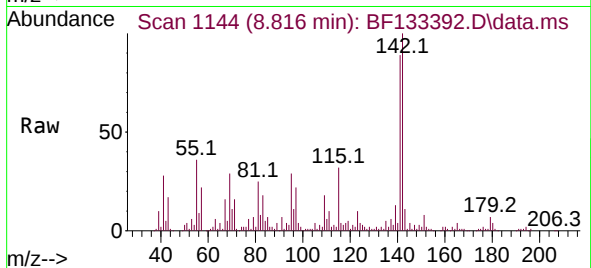
ETGI-363

Tgt Ion:142 Resp: 128118
Ion Ratio Lower Upper
142 100
141 89.0 73.1 109.7

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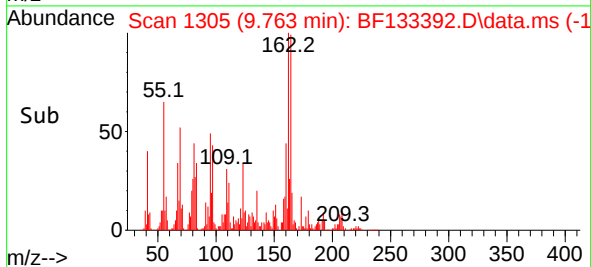
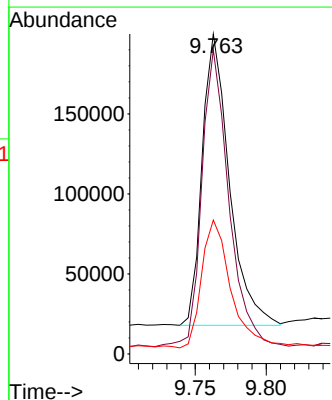
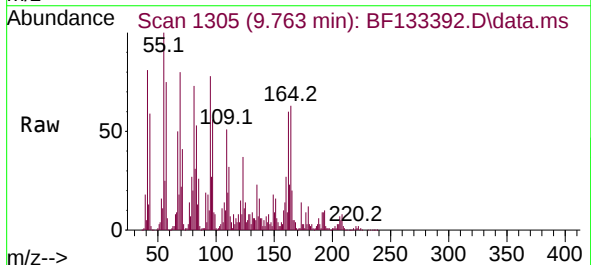
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Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.006 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

Tgt Ion:164 Resp: 241883
Ion Ratio Lower Upper
164 100
162 95.1 78.7 118.1
160 41.9 35.8 53.6





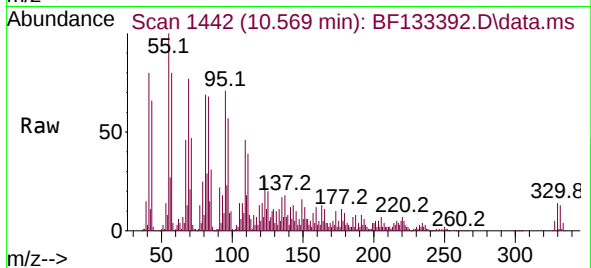
#42
2,4,6-Tribromophenol
Concen: 50.803 ng
RT: 10.569 min Scan# 1444
Delta R.T. 0.018 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

Instrument :

BNA_F

ClientSampleId :

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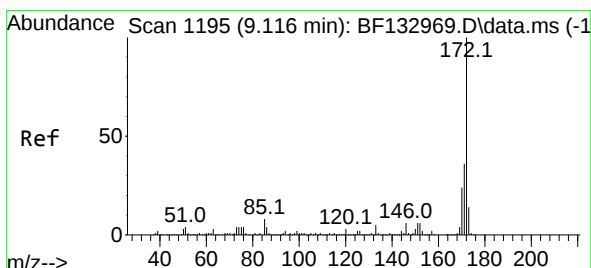
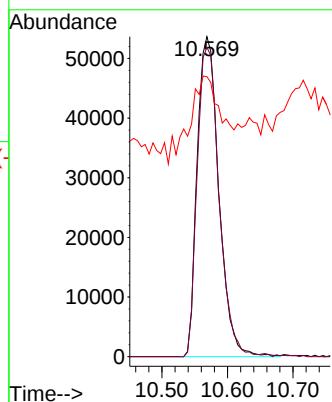
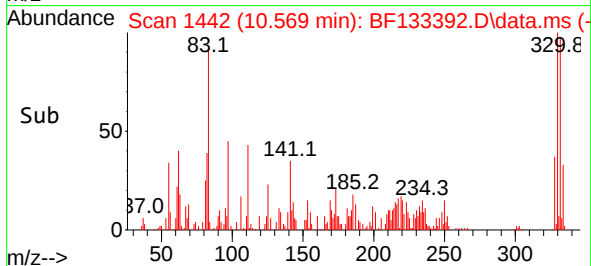


Tgt Ion:330 Resp: 12358
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 40.6 25.8 38.8

Manual Integrations

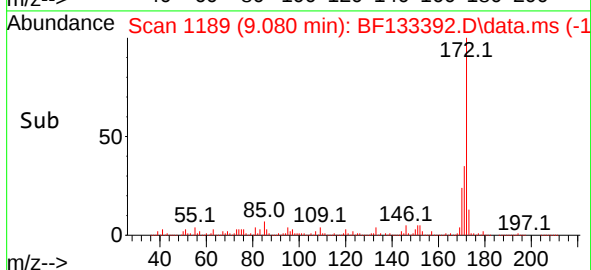
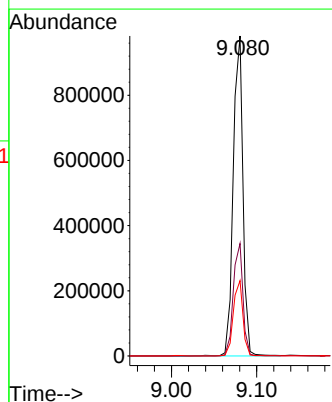
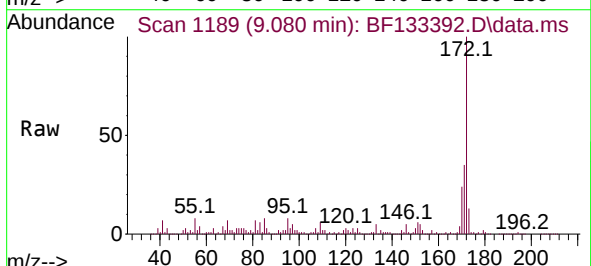
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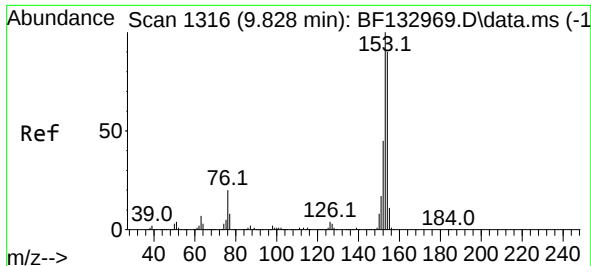
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#45
2-Fluorobiphenyl
Concen: 54.091 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

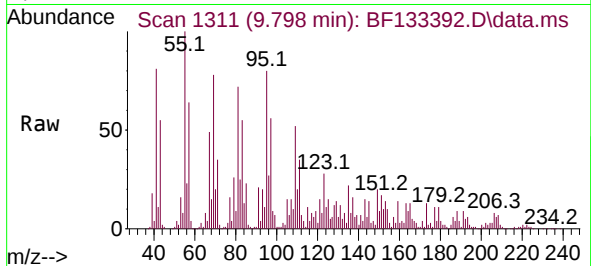
Tgt Ion:172 Resp: 782053
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.6 19.4 29.2





#52
Acenaphthene
Concen: 2.437 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

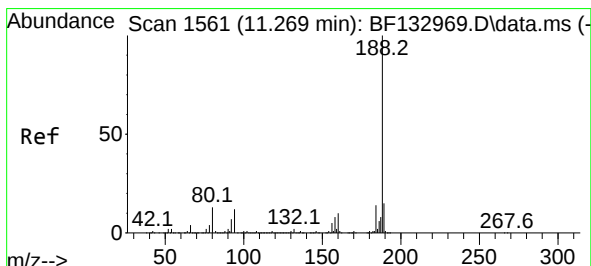
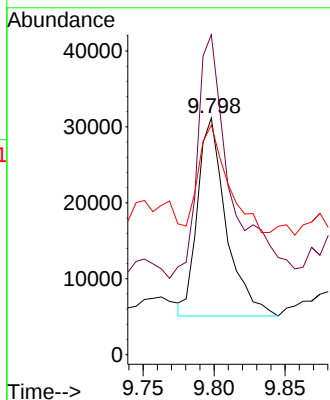
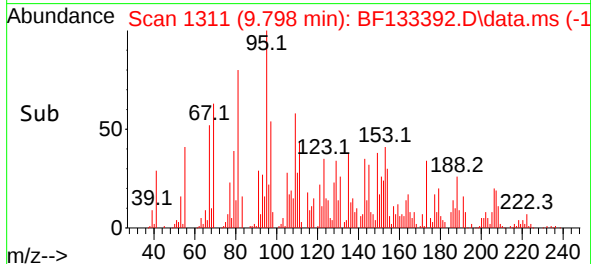
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Tgt Ion:154 Resp: 36614
Ion Ratio Lower Upper
154 100
153 135.2 89.0 133.6
152 97.0 40.4 60.6

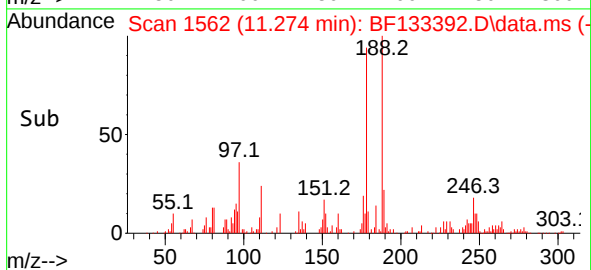
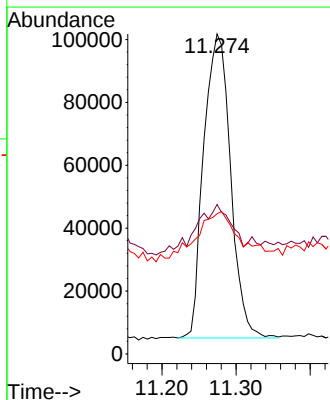
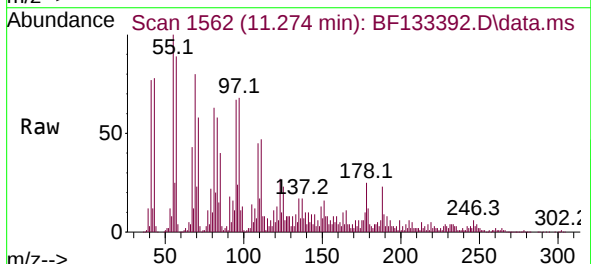
Manual Integrations
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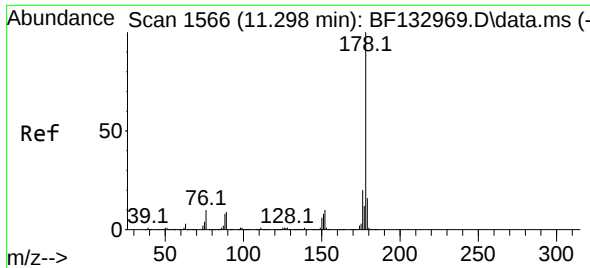
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.274 min Scan# 1562
Delta R.T. 0.035 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

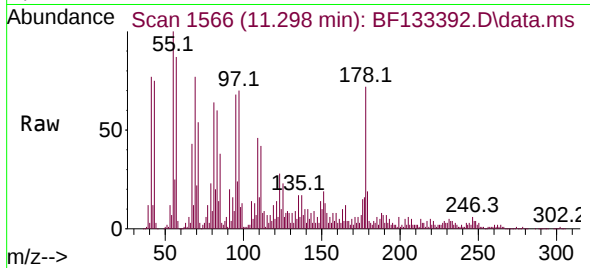
Tgt Ion:188 Resp: 243133
Ion Ratio Lower Upper
188 100
94 46.7 9.7 14.5#
80 43.8 10.4 15.6#





#71
Phenanthrene
Concen: 36.307 ng m
RT: 11.298 min Scan# 1566
Delta R.T. 0.029 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

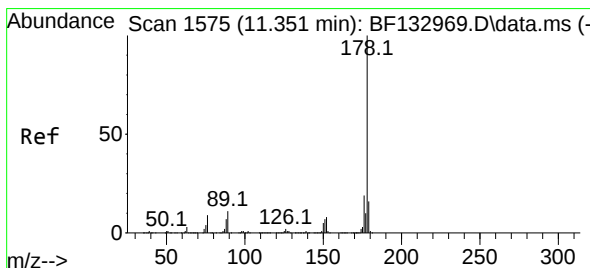
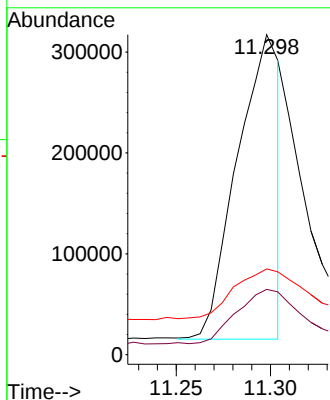
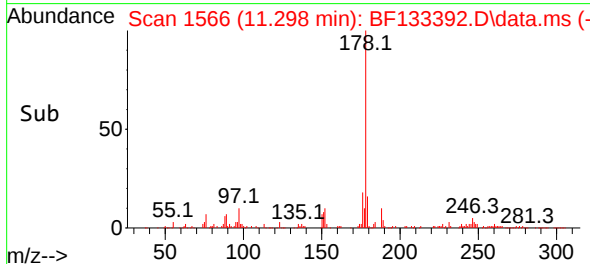
Instrument :
BNA_F
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Tgt Ion:178 Resp: 47445
Ion Ratio Lower Upper
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176 20.4 15.9 23.9
179 26.8 12.5 18.7

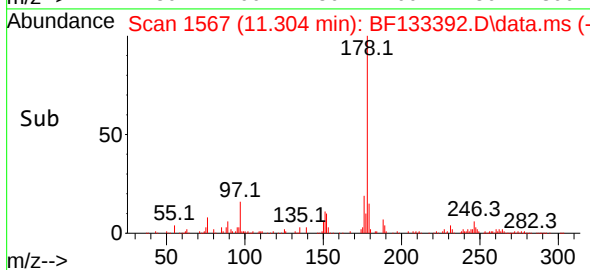
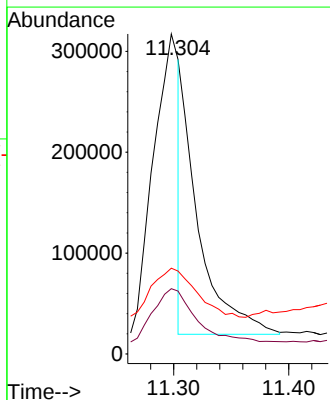
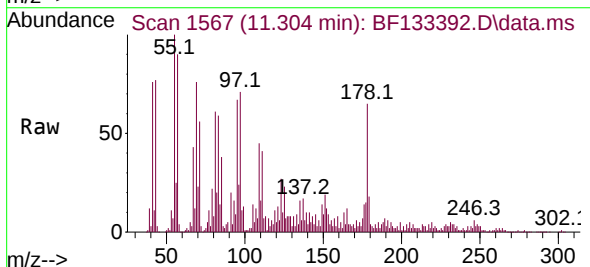
Manual Integrations
APPROVED

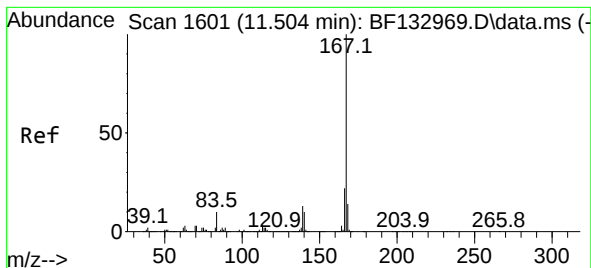
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#72
Anthracene
Concen: 20.326 ng m
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

Tgt Ion:178 Resp: 271831
Ion Ratio Lower Upper
178 100
176 21.4 15.4 23.0
179 28.2 12.4 18.6#





#73

Carbazole

Concen: 6.363 ng

RT: 11.498 min Scan# 1600

Delta R.T. 0.023 min

Lab File: BF133392.D

Acq: 15 May 2023 19:55

Instrument :

BNA_F

ClientSampleId :

ETGI-363

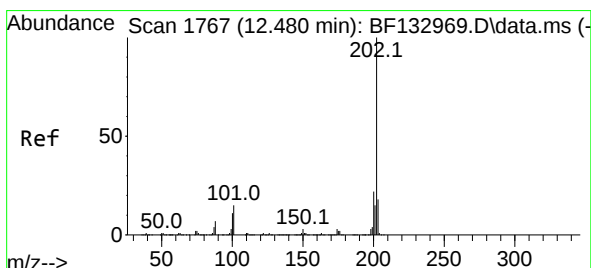
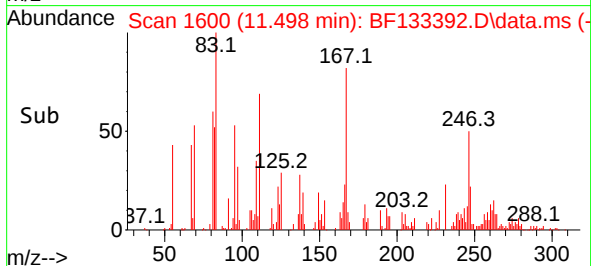
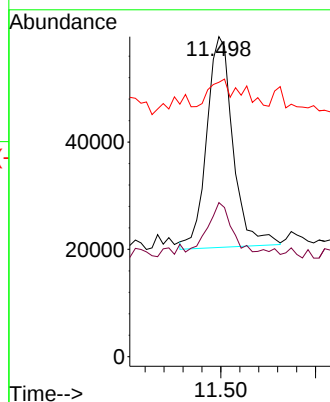
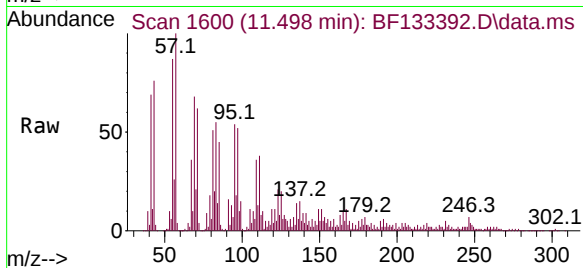
Tgt Ion:	167	Resp:	75772
Ion Ratio	Lower	Upper	
167	100		
166	48.2	17.4	26.0
139	85.8	10.6	16.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#75

Fluoranthene

Concen: 44.931 ng

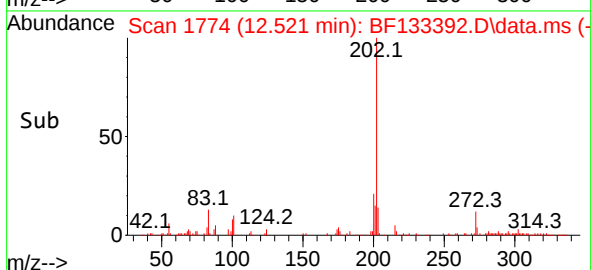
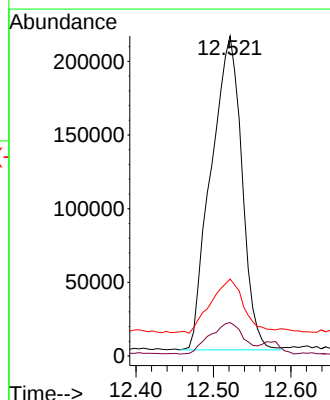
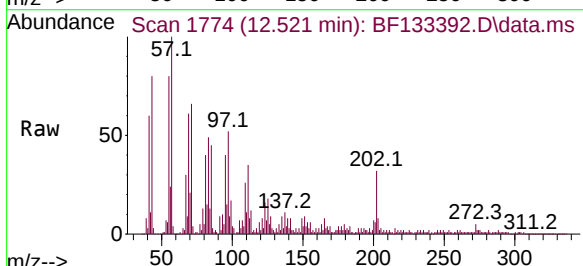
RT: 12.521 min Scan# 1774

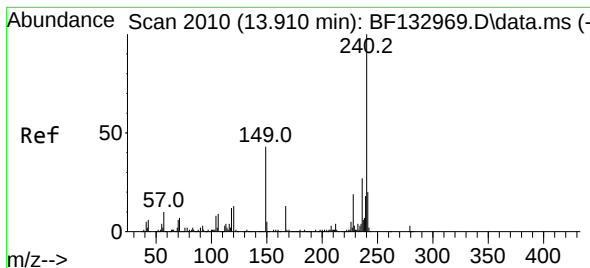
Delta R.T. 0.071 min

Lab File: BF133392.D

Acq: 15 May 2023 19:55

Tgt Ion:	202	Resp:	589269
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	35.3
203	24.0	0.0	38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2010
Delta R.T. 0.100 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

Instrument :

BNA_F

ClientSampleId :

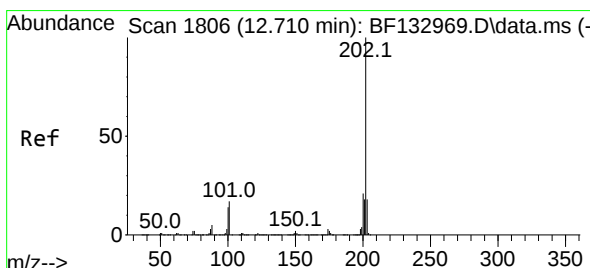
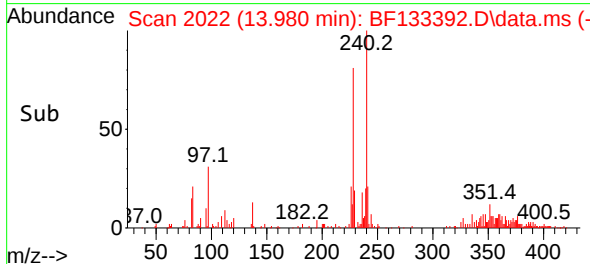
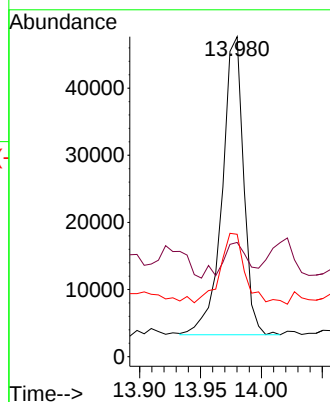
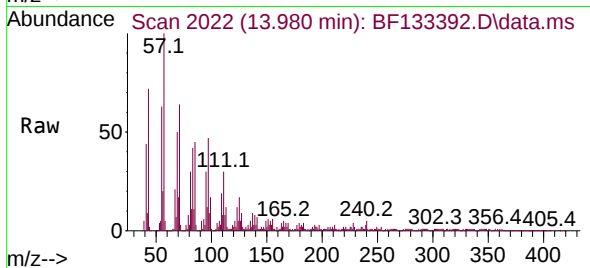
ETGI-363

Tgt Ion:240 Resp: 5417
Ion Ratio Lower Upper
240 100
120 35.7 10.5 15.7
236 38.3 21.5 32.3

Manual Integrations

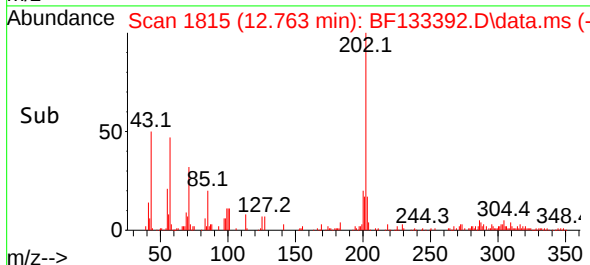
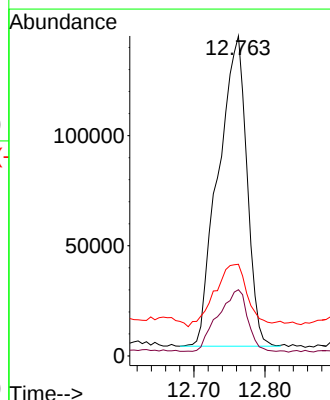
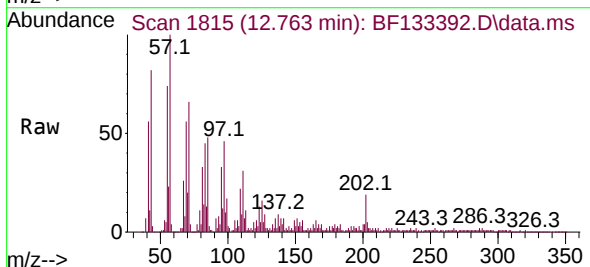
APPROVED

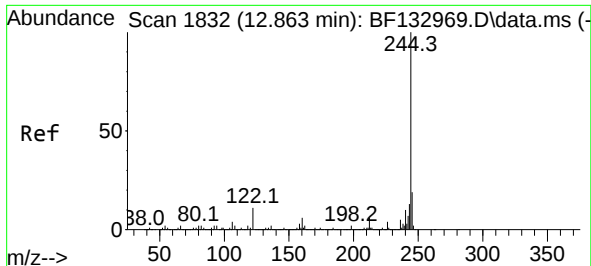
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#78
Pyrene
Concen: 84.312 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.082 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

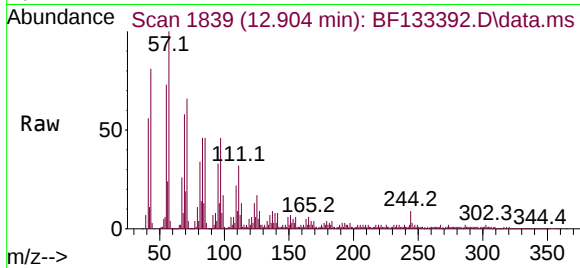
Tgt Ion:202 Resp: 391563
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 28.7 14.1 21.1





#79
Terphenyl-d14
Concen: 50.351 ng
RT: 12.904 min Scan# 1839
Delta R.T. 0.076 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

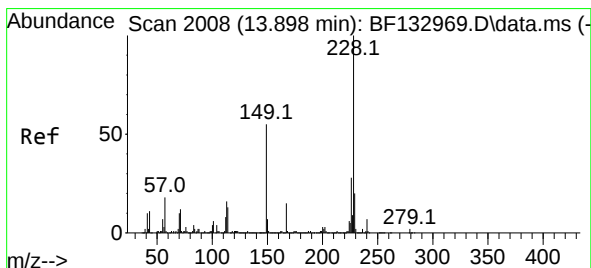
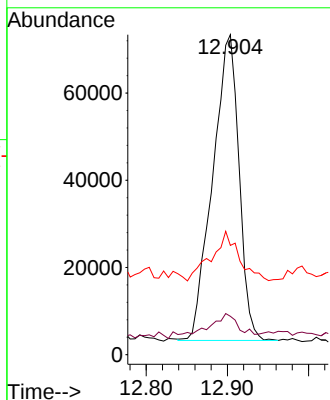
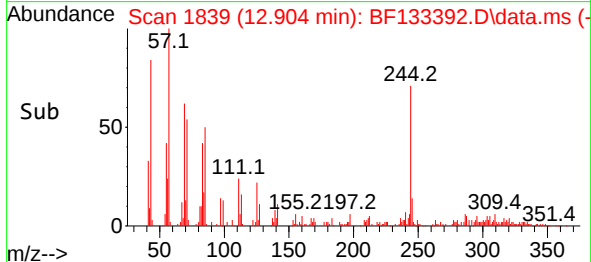
Instrument :
BNA_F
ClientSampleId :
ETGI-363



Tgt Ion:244 Resp: 15816
Ion Ratio Lower Upper
244 100
212 12.0 5.1 7.7
122 34.1 8.6 13.0

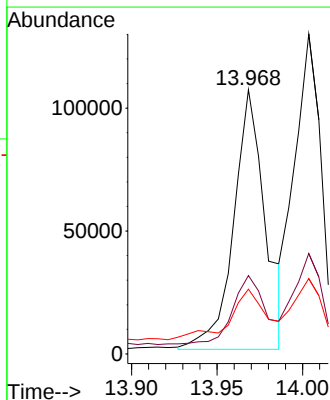
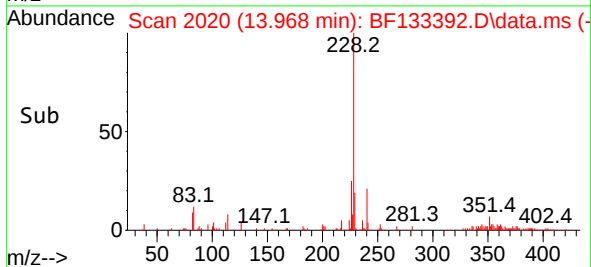
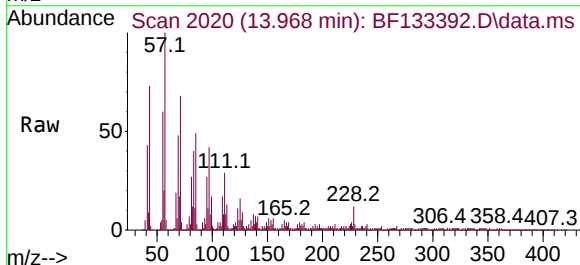
Manual Integrations
APPROVED

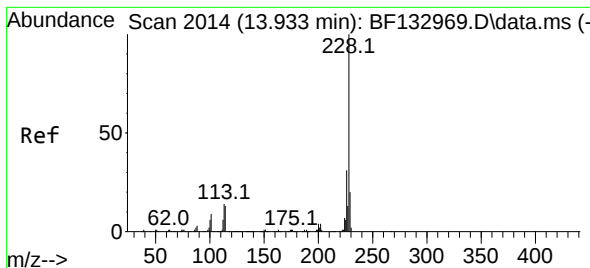
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#81
Benzo(a)anthracene
Concen: 36.341 ng m
RT: 13.968 min Scan# 2020
Delta R.T. 0.100 min
Lab File: BF133392.D
Acq: 15 May 2023 19:55

Tgt Ion:228 Resp: 135392
Ion Ratio Lower Upper
228 100
226 29.6 22.2 33.4
229 24.5 16.0 24.0





#83

Chrysene

Concen: 37.666 ng

RT: 14.004 min Scan# 2014

Delta R.T. 0.100 min

Lab File: BF133392.D

Acq: 15 May 2023 19:55

Instrument :

BNA_F

ClientSampleId :

ETGI-363

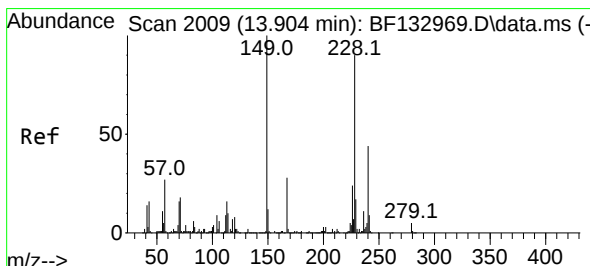
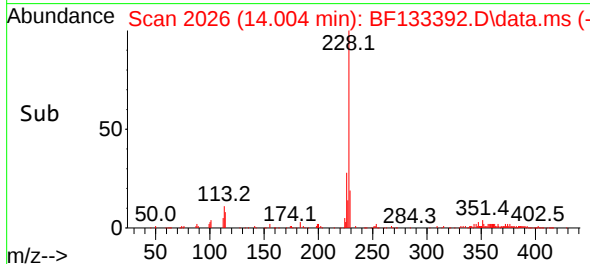
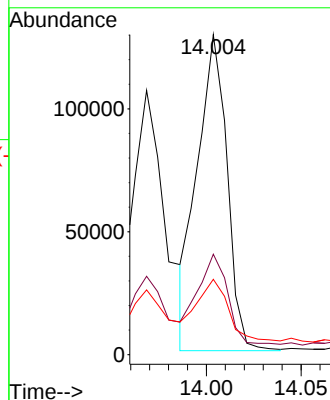
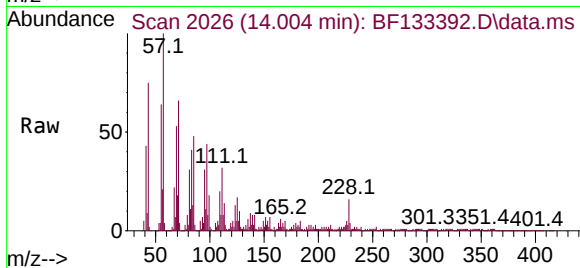
Tgt Ion:	228	Resp:	14029
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.7	37.1
229	23.6	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 397.590 ng

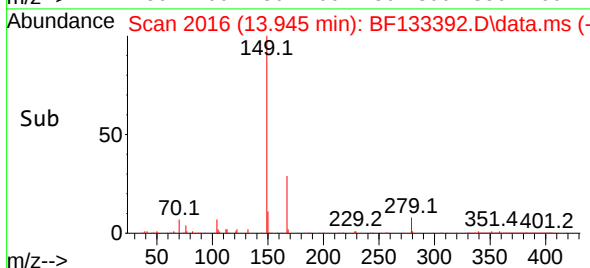
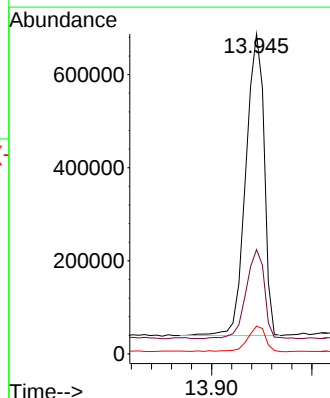
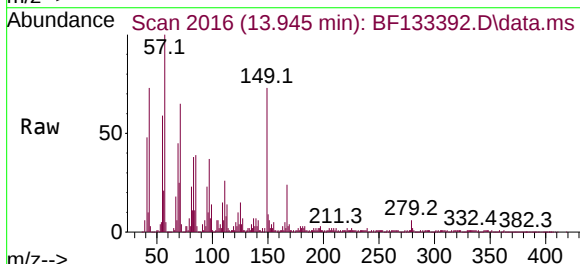
RT: 13.945 min Scan# 2016

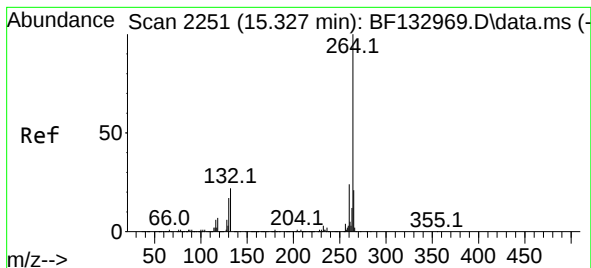
Delta R.T. 0.082 min

Lab File: BF133392.D

Acq: 15 May 2023 19:55

Tgt Ion:	149	Resp:	820633
Ion Ratio	Lower	Upper	
149	100		
167	32.6	22.5	33.7
279	8.7	4.2	6.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.123 min

Lab File: BF133392.D

Acq: 15 May 2023 19:55

Instrument :

BNA_F

ClientSampleId :

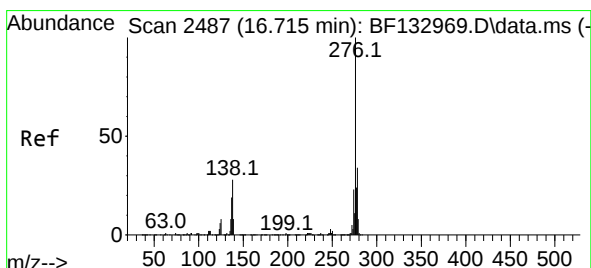
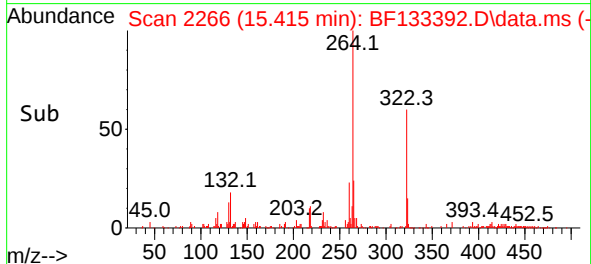
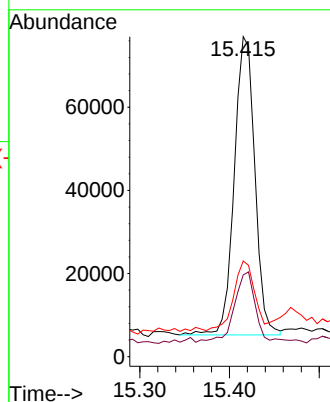
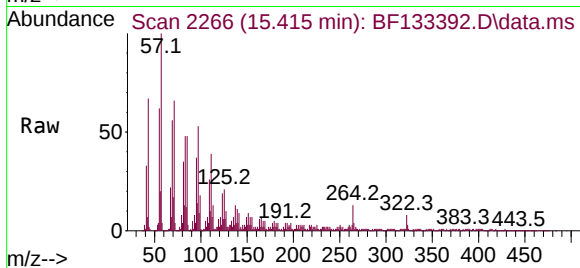
ETGI-363

Tgt Ion:	264	Resp:	114690
Ion Ratio	Lower	Upper	
264	100		
260	25.6	18.8	28.2
265	29.9	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 51.956 ng m

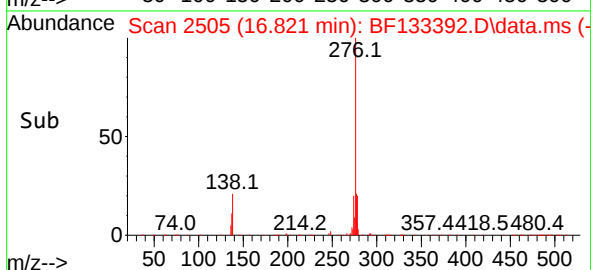
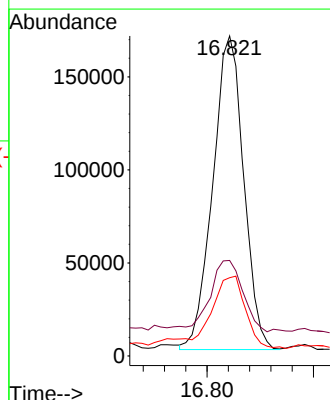
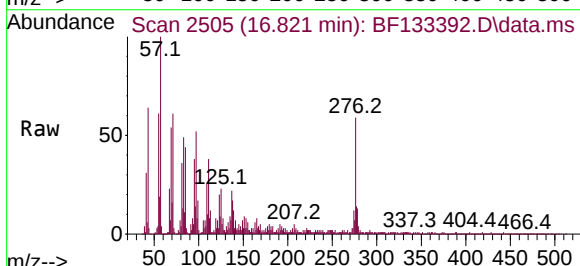
RT: 16.821 min Scan# 2505

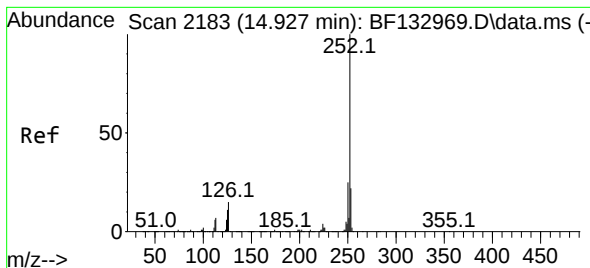
Delta R.T. 0.141 min

Lab File: BF133392.D

Acq: 15 May 2023 19:55

Tgt Ion:	276	Resp:	338970
Ion Ratio	Lower	Upper	
276	100		
138	5.7	25.5	38.3#
277	4.9	20.4	30.6#





#88

Benzo(b)fluoranthene

Concen: 32.131 ng m

RT: 15.004 min Scan# 2196

Delta R.T. 0.112 min

Lab File: BF133392.D

Acq: 15 May 2023 19:55

Instrument :

BNA_F

ClientSampleId :

ETGI-363

Tgt Ion:252 Resp: 23445

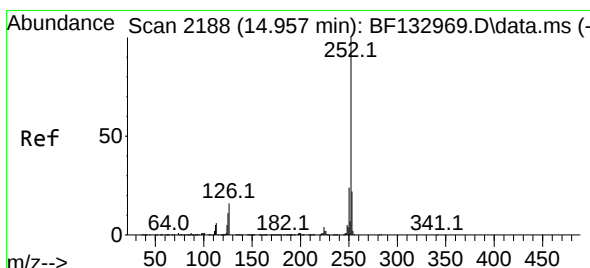
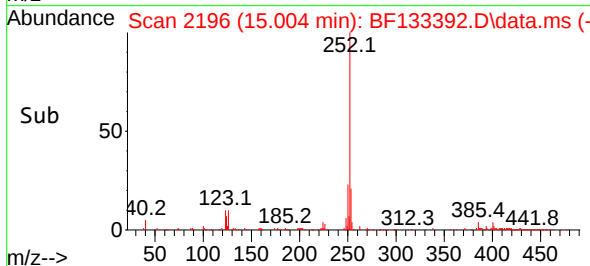
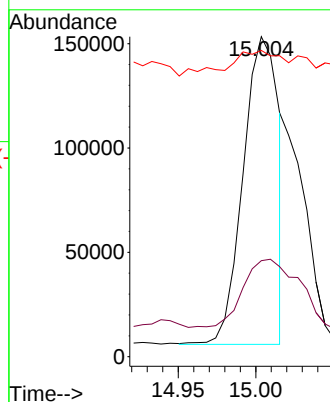
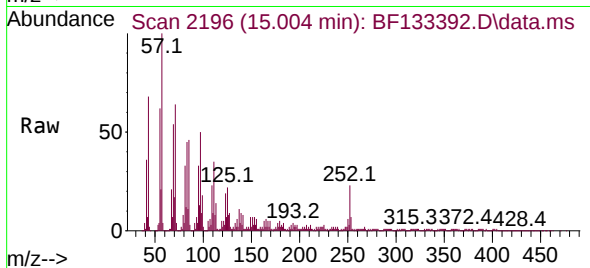
Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.6	26.4
125	95.7	8.9	13.3

Manual Integrations

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Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#89

Benzo(k)fluoranthene

Concen: 14.704 ng m

RT: 15.015 min Scan# 2198

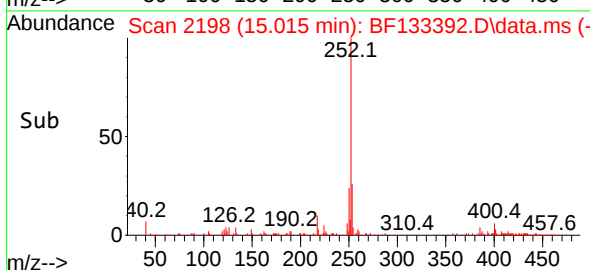
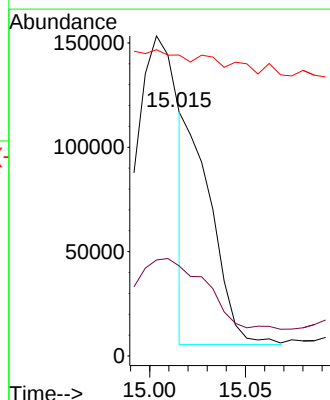
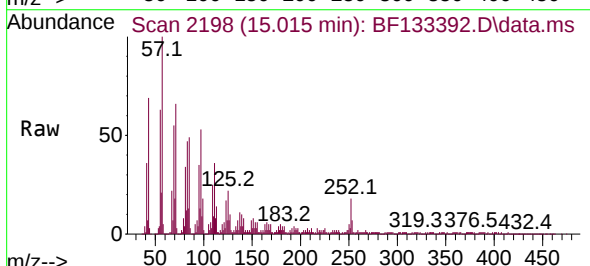
Delta R.T. 0.094 min

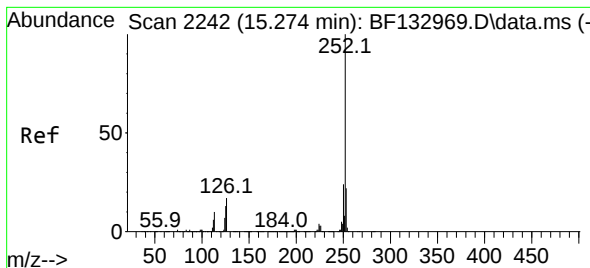
Lab File: BF133392.D

Acq: 15 May 2023 19:55

Tgt Ion:252 Resp: 106359

Ion	Ratio	Lower	Upper
252	100		
253	36.9	17.7	26.5
125	123.4	9.0	13.4





#90

Benzo(a)pyrene

Concen: 31.836 ng

RT: 15.356 min Scan# 21144

Delta R.T. 0.118 min

Lab File: BF133392.D

Acq: 15 May 2023 19:55

Instrument :

BNA_F

ClientSampleId :

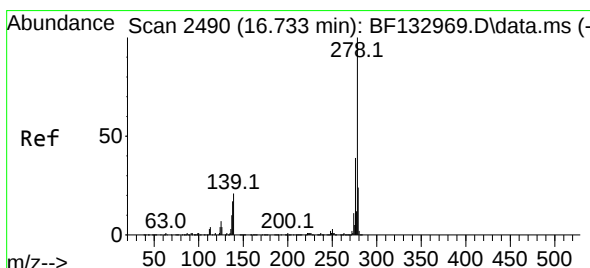
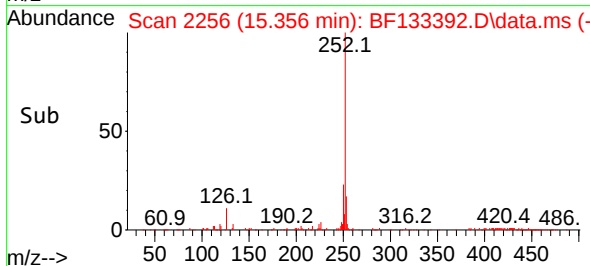
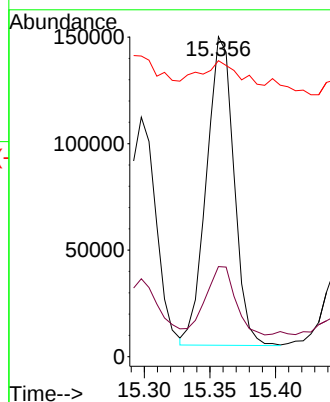
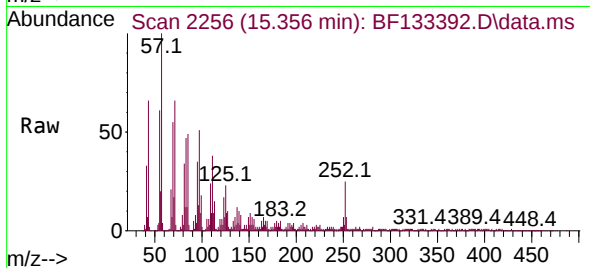
ETGI-363

Tgt Ion:252 Resp: 21144
 Ion Ratio Lower Upper
 252 100
 253 28.2 17.7 26.5
 125 92.5 10.5 15.7

Manual Integrations

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Reviewed By :Christian Giraldo 05/16/2023
 Supervised By :Yogesh Patel 05/16/2023



#91

Dibenzo(a,h)anthracene

Concen: 14.815 ng

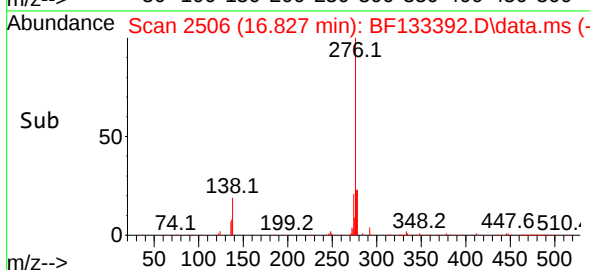
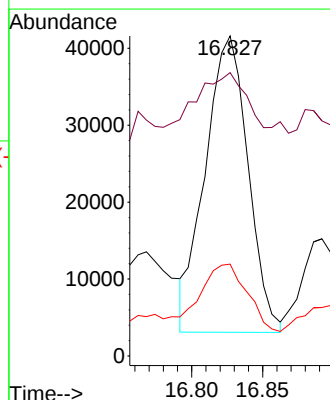
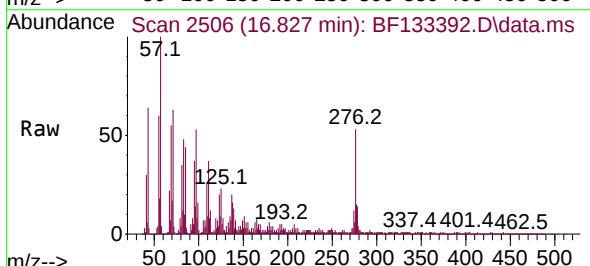
RT: 16.827 min Scan# 2506

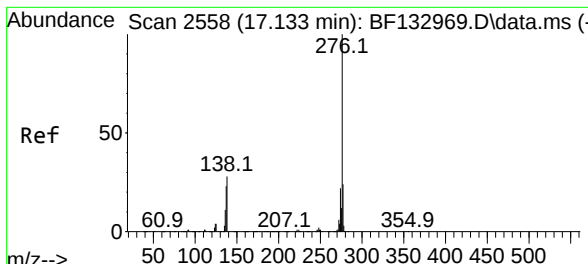
Delta R.T. 0.135 min

Lab File: BF133392.D

Acq: 15 May 2023 19:55

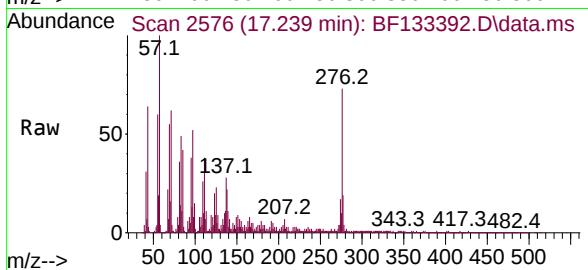
Tgt Ion:278 Resp: 80613
 Ion Ratio Lower Upper
 278 100
 139 88.6 16.6 24.8#
 279 28.7 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 63.294 ng
 RT: 17.239 min Scan# 21
 Delta R.T. 0.147 min
 Lab File: BF133392.D
 Acq: 15 May 2023 19:55

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-363



Tgt Ion:	276	Resp:	34002
Ion Ratio	Lower	Upper	
276	100		
277	25.9	19.4	29.0
138	30.6	22.7	34.1

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/16/2023
 Supervised By :Yogesh Patel 05/16/2023

