

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
 Data File : BF132274.D
 Acq On : 01 Feb 2023 22:42
 Operator : CG\JU
 Sample : 01345-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-346

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/02/2023
 Supervised By : Jagrut Upadhyay 02/02/2023

Quant Time: Feb 02 00:58:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 05:24:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.072	152	155181	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	578887	20.000	ng	0.00
39) Acenaphthene-d10	10.119	164	270014	20.000	ng	0.00
64) Phenanthrene-d10	11.619	188	416690	20.000	ng	0.00
76) Chrysene-d12	14.277	240	284988	20.000	ng	-0.01
86) Perylene-d12	15.865	264	225736	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	906781	93.926	ng	0.00
7) Phenol-d6	6.678	99	1086214	91.261	ng	0.00
23) Nitrobenzene-d5	7.631	82	647267	62.220	ng	0.00
42) 2,4,6-Tribromophenol	10.913	330	249122	89.718	ng	0.00
45) 2-Fluorobiphenyl	9.431	172	1067155	61.032	ng	0.00
79) Terphenyl-d14	13.213	244	886191	60.152	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.642	178	107537	4.939	ng	96
75) Fluoranthene	12.842	202	209348	9.421	ng	98
78) Pyrene	13.071	202	224846	9.809	ng	99
81) Benzo(a)anthracene	14.266	228	102392	5.137	ng	98
83) Chrysene	14.307	228	97054	5.200	ng	98
87) Indeno(1,2,3-cd)pyrene	17.506	276	35469	2.365	ng	97
88) Benzo(b)fluoranthene	15.389	252	95244m	6.638	ng	
89) Benzo(k)fluoranthene	15.418	252	32375m	2.364	ng	
90) Benzo(a)pyrene	15.795	252	65350	4.891	ng	# 90
92) Benzo(g,h,i)perylene	18.006	276	36403	2.922	ng	95

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

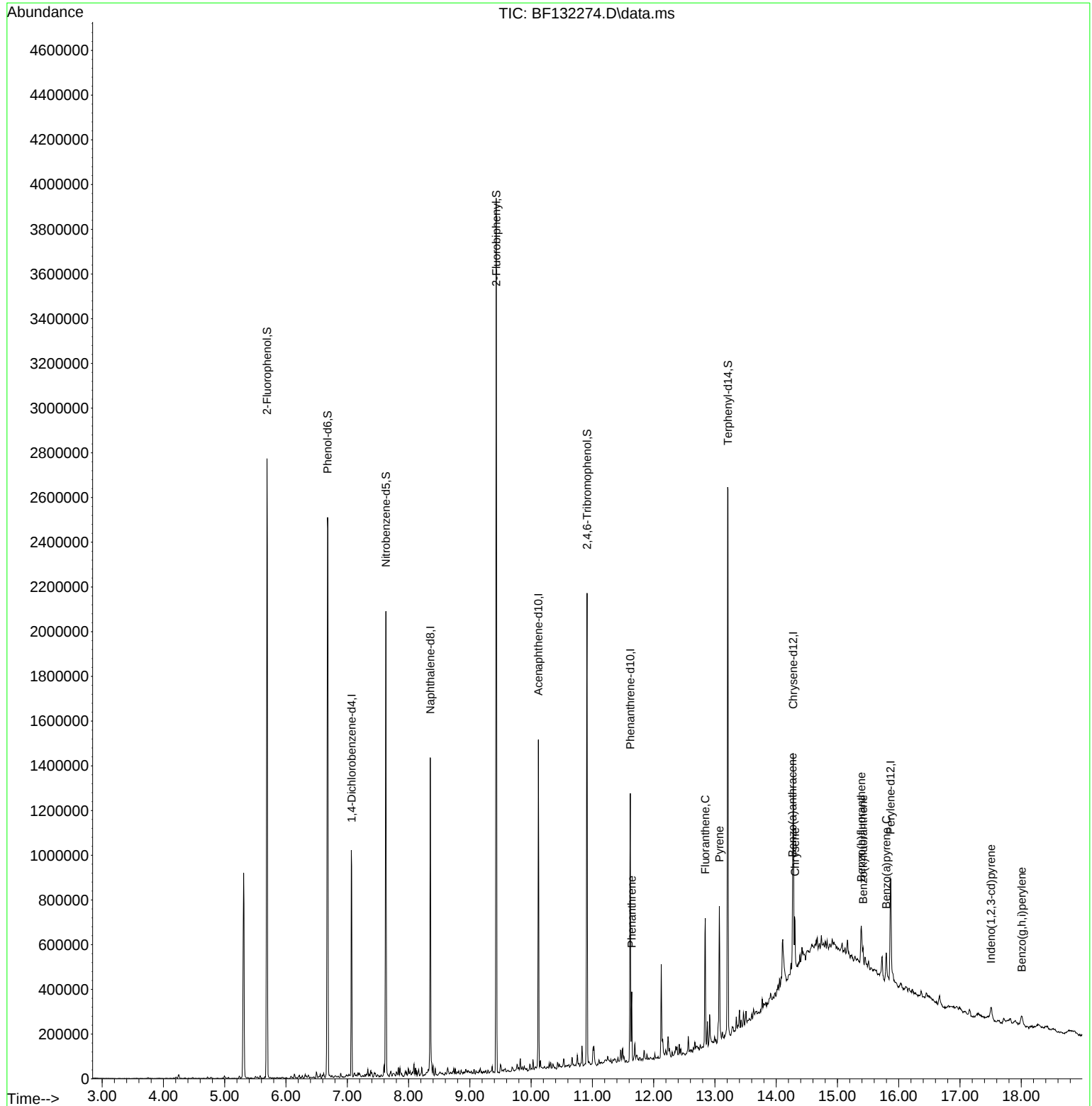
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
Data File : BF132274.D
Acq On : 01 Feb 2023 22:42
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Sample : 01345-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

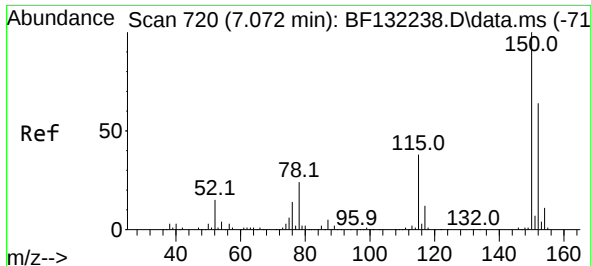
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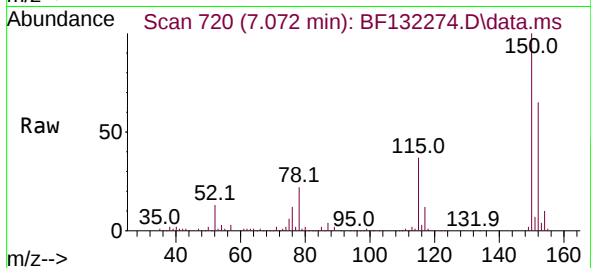
Quant Time: Feb 02 00:58:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 05:24:37 2023
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.072 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF132274.D
 Acq: 01 Feb 2023 22:42

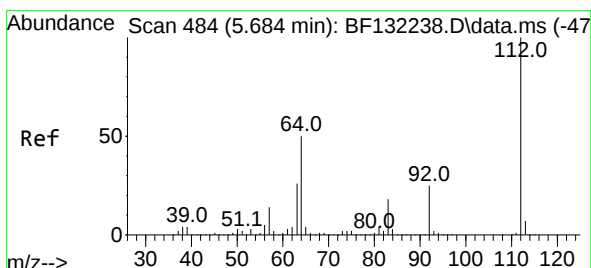
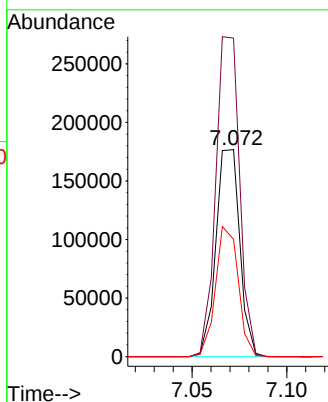
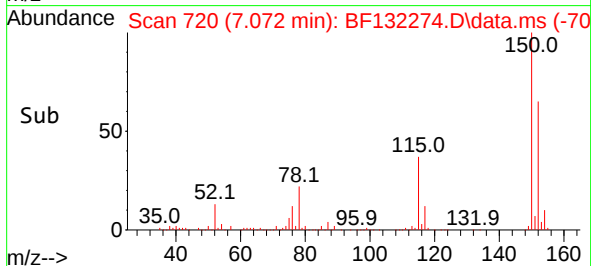
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-346



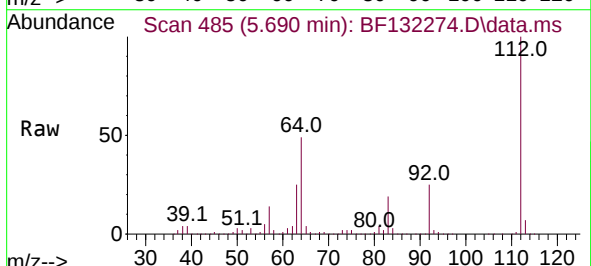
Tgt Ion:152 Resp: 155181
 Ion Ratio Lower Upper
 152 100
 150 153.9 124.2 186.2
 115 56.6 47.3 70.9

Manual Integrations
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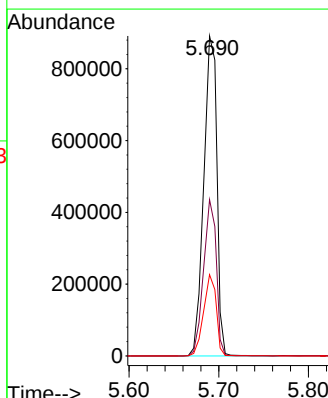
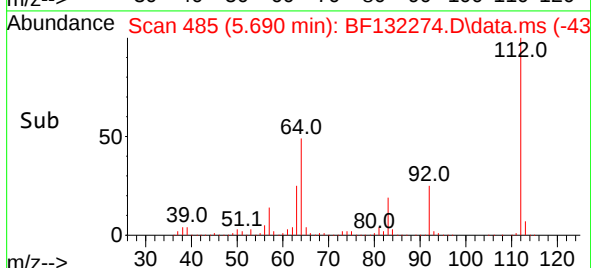
Reviewed By :Christian Giraldo 02/02/2023
 Supervised By :Jagrut Upadhyay 02/02/2023

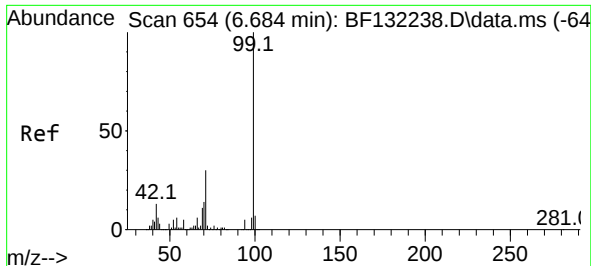


#5
 2-Fluorophenol
 Concen: 93.926 ng
 RT: 5.690 min Scan# 485
 Delta R.T. 0.006 min
 Lab File: BF132274.D
 Acq: 01 Feb 2023 22:42



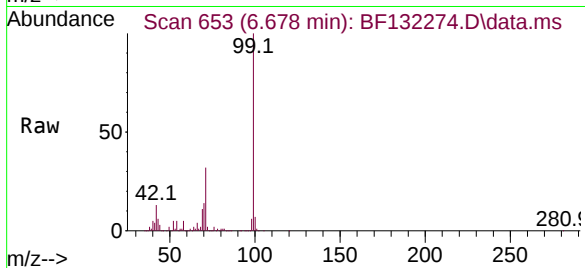
Tgt Ion:112 Resp: 906781
 Ion Ratio Lower Upper
 112 100
 64 48.8 40.0 60.0
 63 25.4 20.5 30.7





#7
Phenol-d6
Concen: 91.261 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42

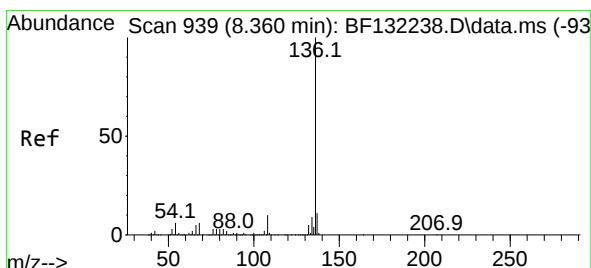
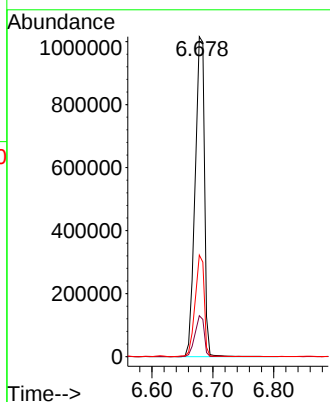
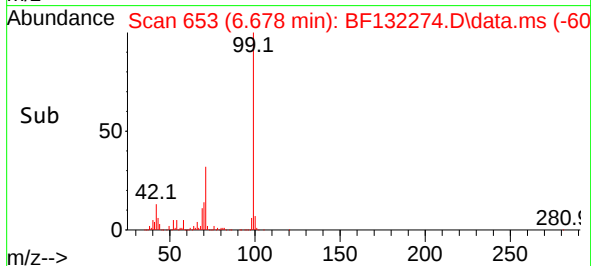
Instrument :
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ClientSampleId :
ETGI-346



Tgt Ion: 99 Resp: 1086214
Ion Ratio Lower Upper
99 100
42 12.8 10.1 15.1
71 31.7 24.2 36.4

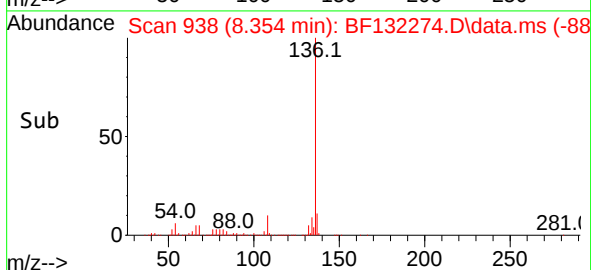
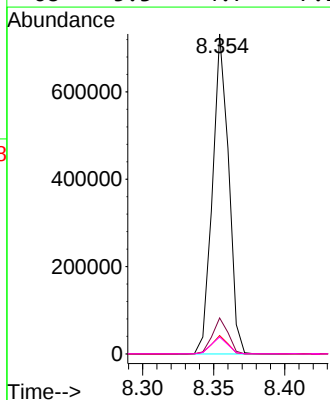
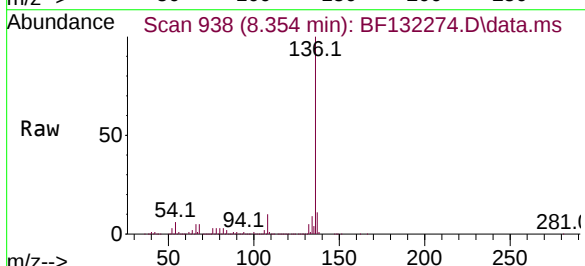
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42

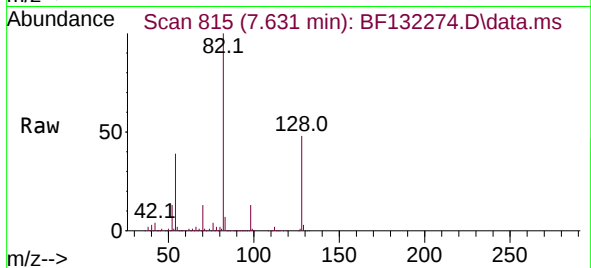
Tgt Ion:136 Resp: 578887
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 5.7 4.9 7.3
68 5.3 4.7 7.1





#23
Nitrobenzene-d5
Concen: 62.220 ng
RT: 7.631 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42

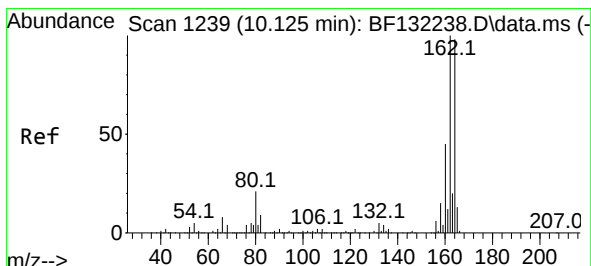
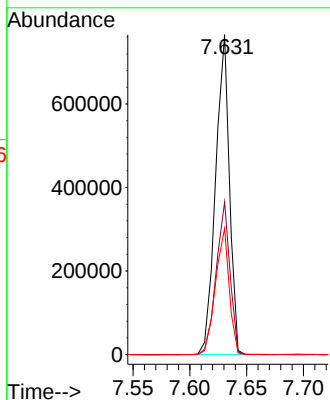
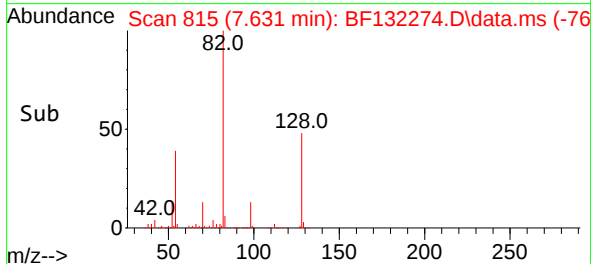
Instrument :
BNA_F
ClientSampleId :
ETGI-346



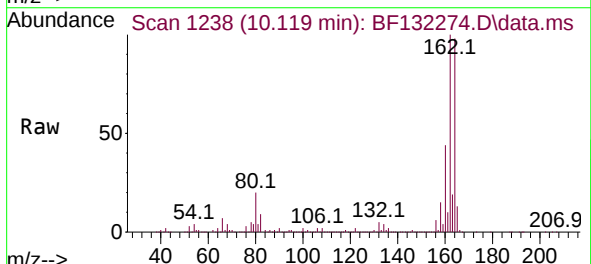
Tgt Ion: 82 Resp: 647262
Ion Ratio Lower Upper
82 100
128 47.7 37.0 55.4
54 39.4 31.5 47.3

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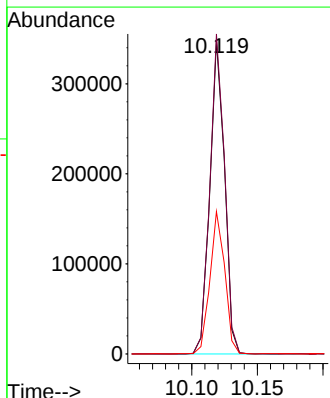
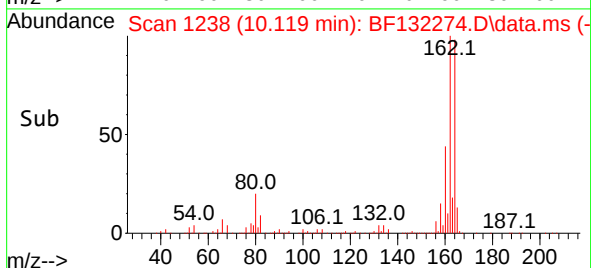
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

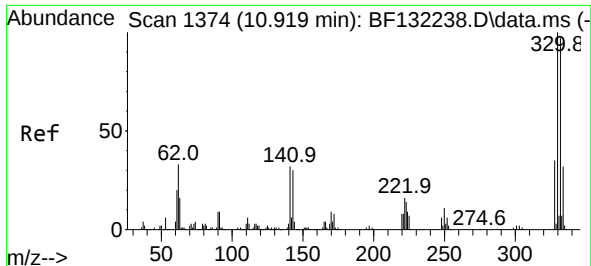


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42



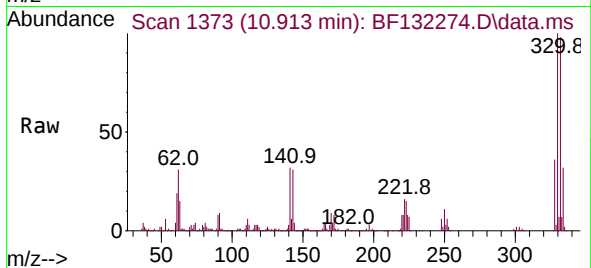
Tgt Ion:164 Resp: 270014
Ion Ratio Lower Upper
164 100
162 102.1 82.0 123.0
160 45.4 37.1 55.7





#42
2,4,6-Tribromophenol
Concen: 89.718 ng
RT: 10.913 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42

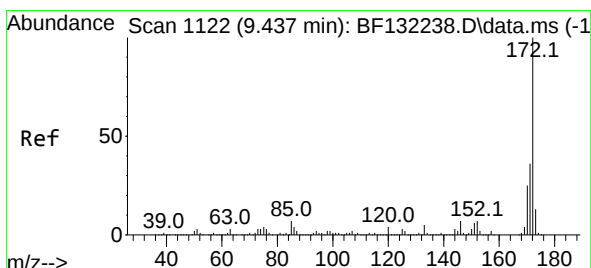
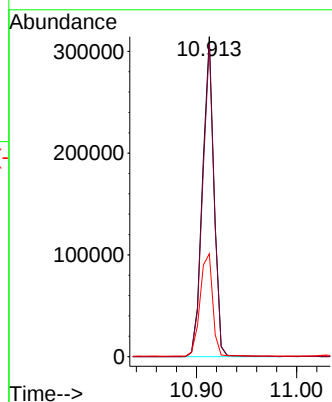
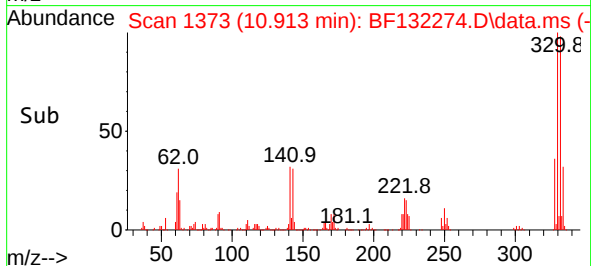
Instrument :
BNA_F
ClientSampleId :
ETGI-346



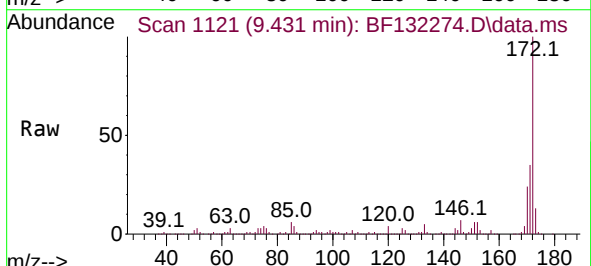
Tgt Ion: 330 Resp: 249122
Ion Ratio Lower Upper
330 100
332 97.0 77.9 116.9
141 35.0 31.0 46.4

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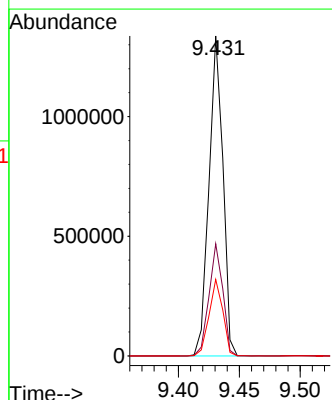
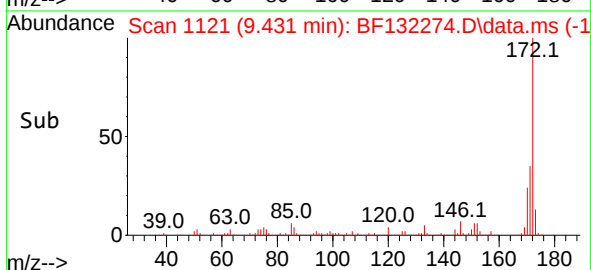
Reviewed By : Christian Giraldo 02/02/2023
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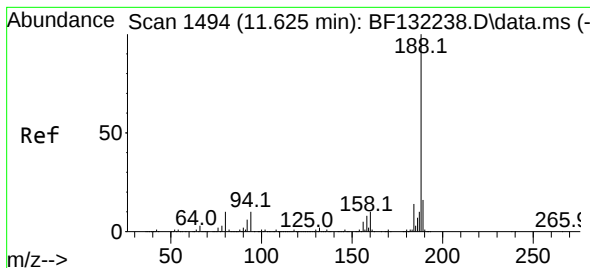


#45
2-Fluorobiphenyl
Concen: 61.032 ng
RT: 9.431 min Scan# 1121
Delta R.T. -0.006 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42



Tgt Ion: 172 Resp: 1067155
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.9 19.7 29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.619 min Scan# 1493

Delta R.T. -0.006 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

Instrument :

BNA_F

ClientSampleId :

ETGI-346

Tgt Ion:188 Resp: 416690

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

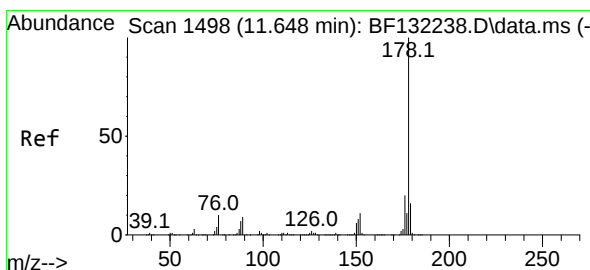
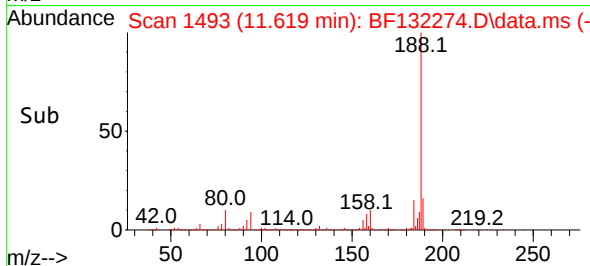
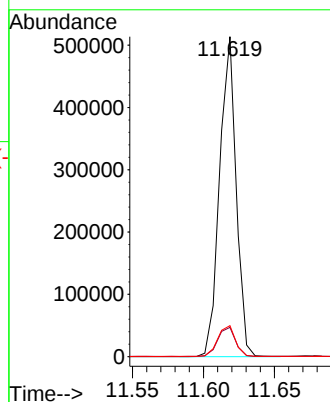
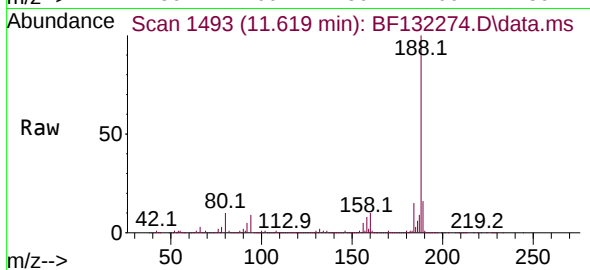
80 9.7 8.3 12.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 02/02/2023



#71

Phenanthrene

Concen: 4.939 ng

RT: 11.642 min Scan# 1497

Delta R.T. -0.006 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

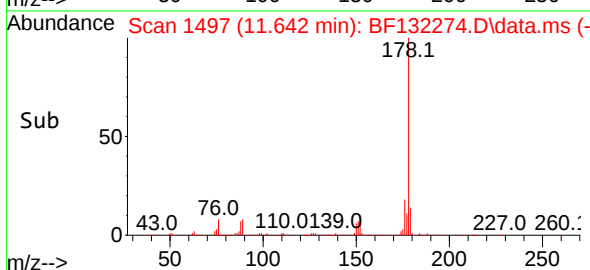
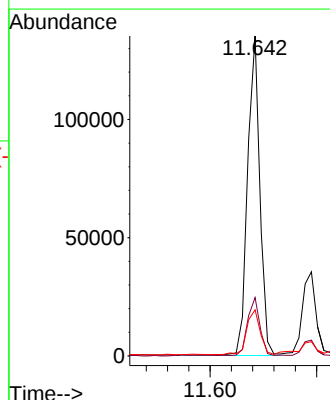
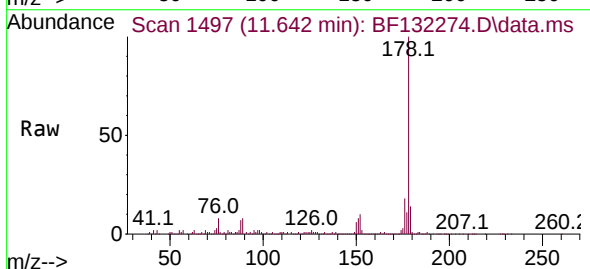
Tgt Ion:178 Resp: 107537

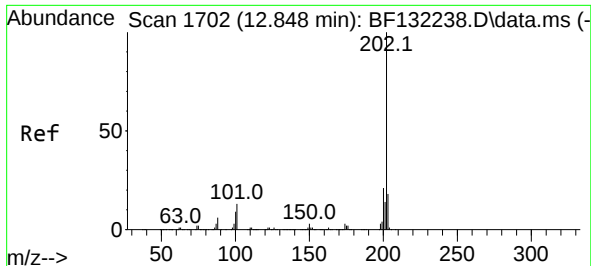
Ion Ratio Lower Upper

178 100

176 18.2 16.2 24.4

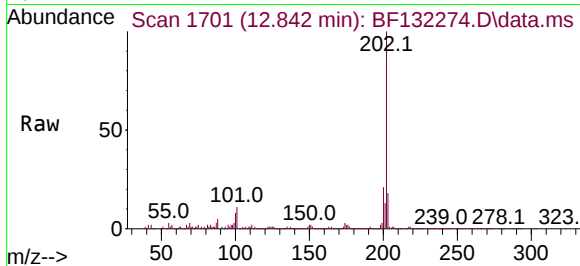
179 14.4 12.8 19.2





#75
Fluoranthene
Concen: 9.421 ng
RT: 12.842 min Scan# 1702
Delta R.T. -0.006 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42

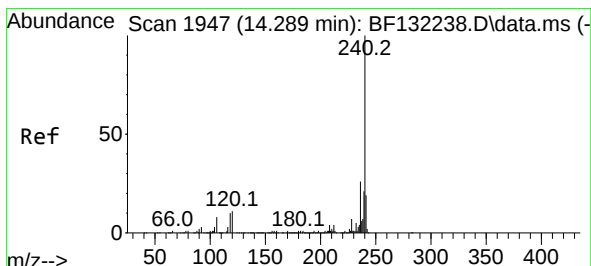
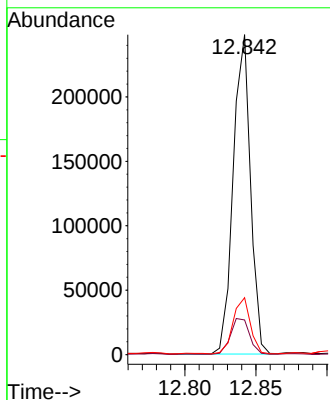
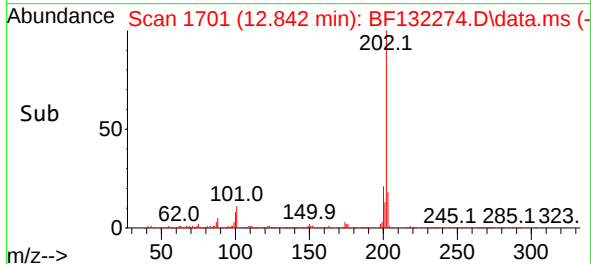
Instrument :
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ETGI-346



Tgt Ion:202 Resp: 209348
Ion Ratio Lower Upper
202 100
101 10.9 0.0 32.7
203 17.8 0.0 37.9

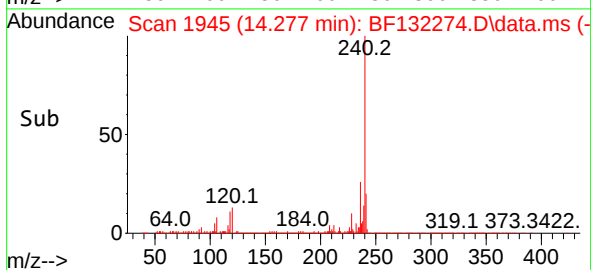
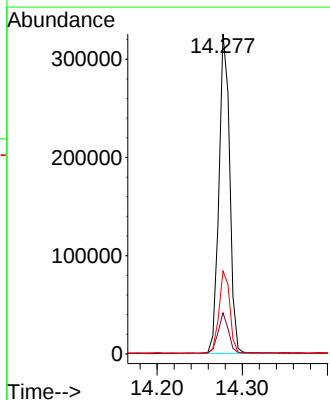
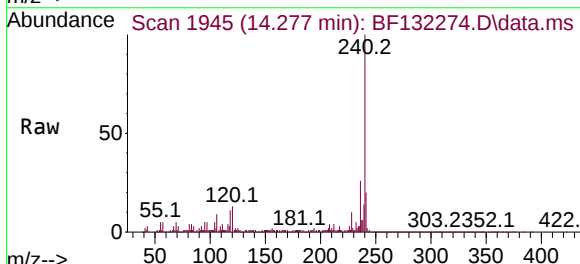
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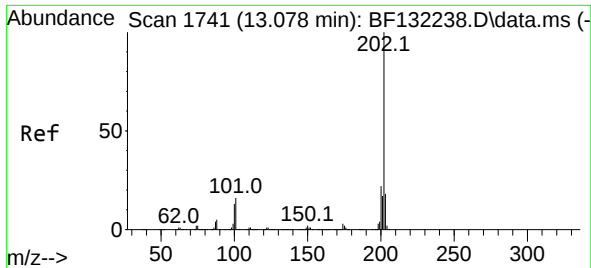
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42

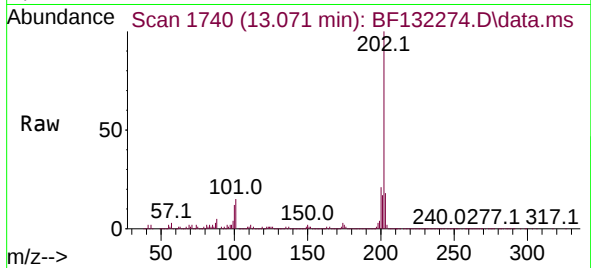
Tgt Ion:240 Resp: 284988
Ion Ratio Lower Upper
240 100
120 12.8 8.8 13.2
236 25.9 21.0 31.6





#78
Pyrene
Concen: 9.809 ng
RT: 13.071 min Scan# 1741
Delta R.T. -0.006 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42

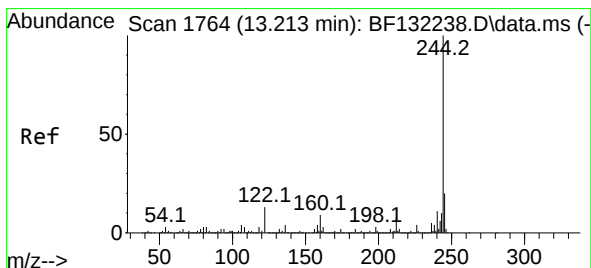
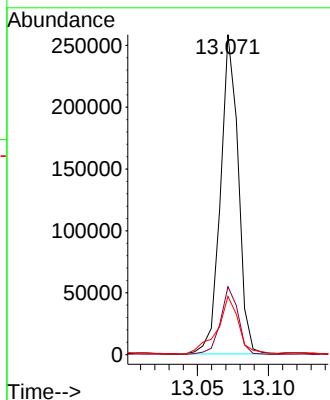
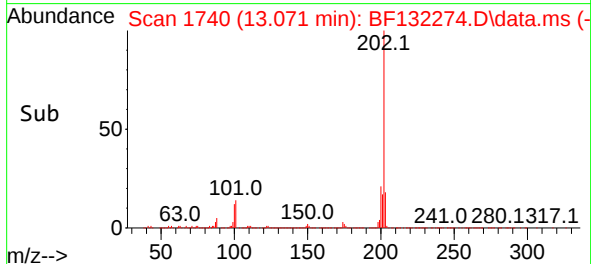
Instrument :
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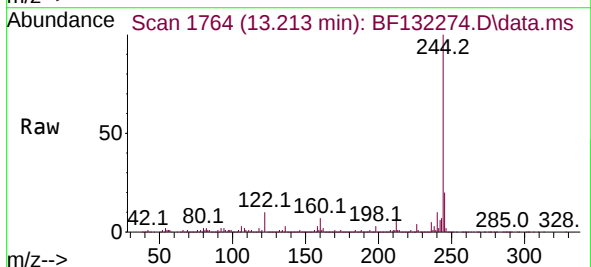
Tgt Ion:202 Resp: 224846
Ion Ratio Lower Upper
202 100
200 21.2 17.3 25.9
203 18.2 14.4 21.6

Manual Integrations
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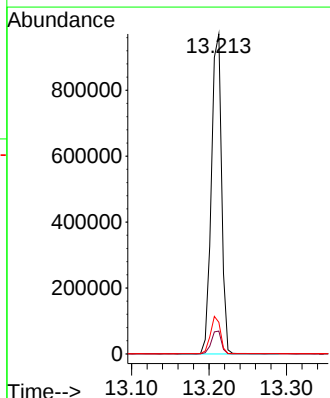
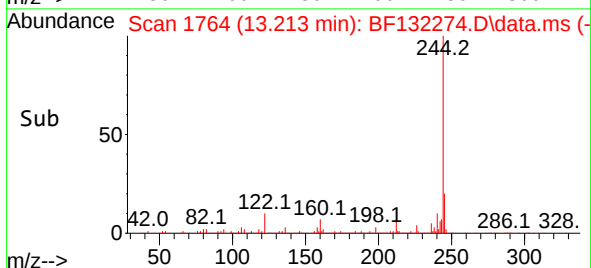
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

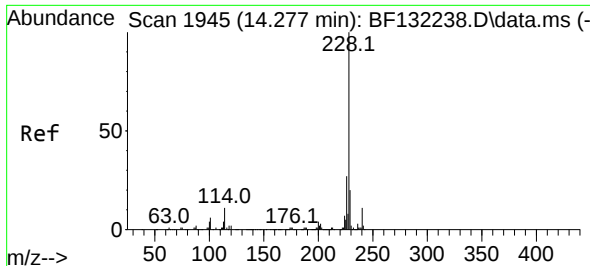


#79
Terphenyl-d14
Concen: 60.152 ng
RT: 13.213 min Scan# 1764
Delta R.T. -0.000 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42



Tgt Ion:244 Resp: 886191
Ion Ratio Lower Upper
244 100
212 7.2 6.4 9.6
122 9.9 10.5 15.7#





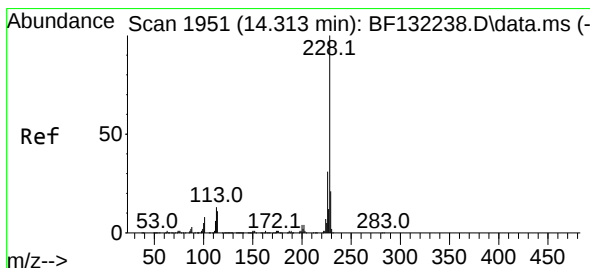
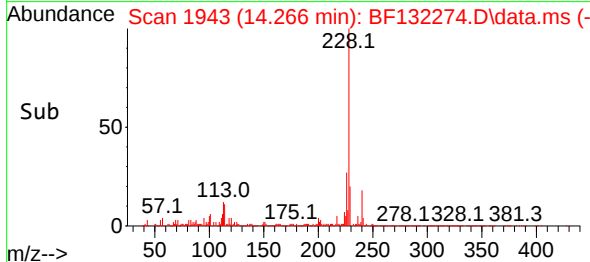
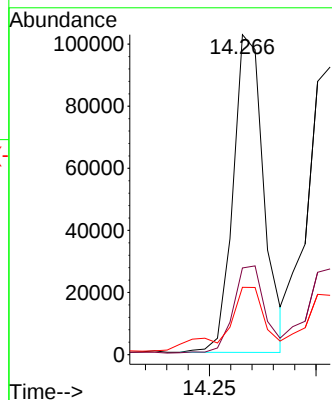
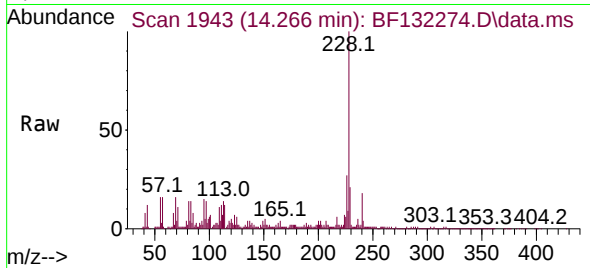
#81
Benzo(a)anthracene
Concen: 5.137 ng
RT: 14.266 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42

Instrument :
BNA_F
ClientSampleId :
ETGI-346

Tgt Ion:228 Resp: 102392
Ion Ratio Lower Upper
228 100
226 27.1 22.0 33.0
229 21.0 15.8 23.6

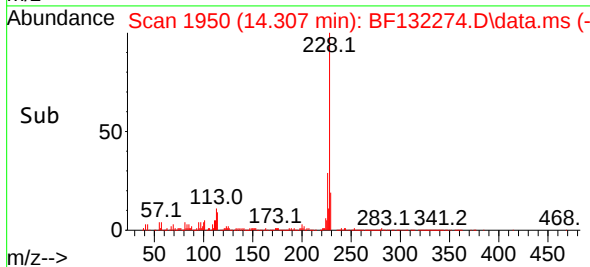
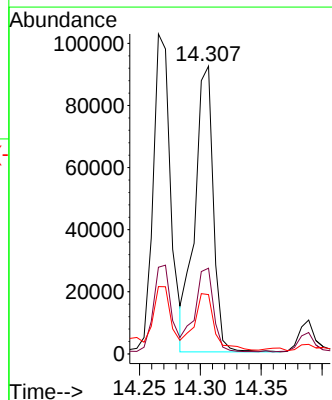
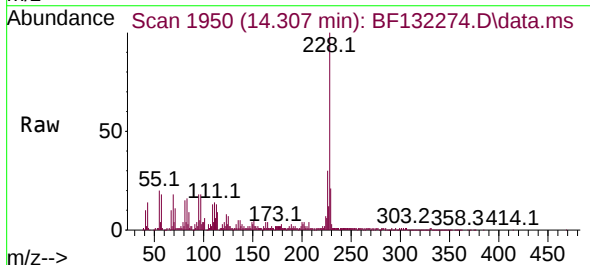
Manual Integrations
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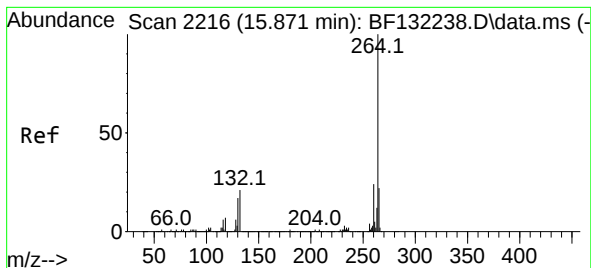
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#83
Chrysene
Concen: 5.200 ng
RT: 14.307 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42

Tgt Ion:228 Resp: 97054
Ion Ratio Lower Upper
228 100
226 29.8 24.9 37.3
229 20.6 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.865 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

Instrument :

BNA_F

ClientSampleId :

ETGI-346

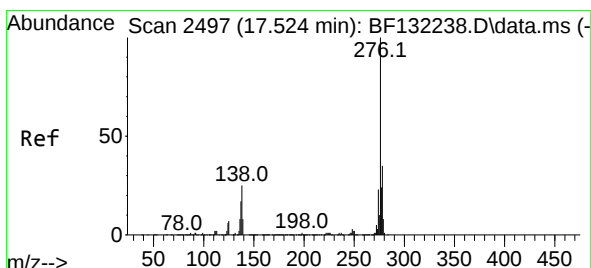
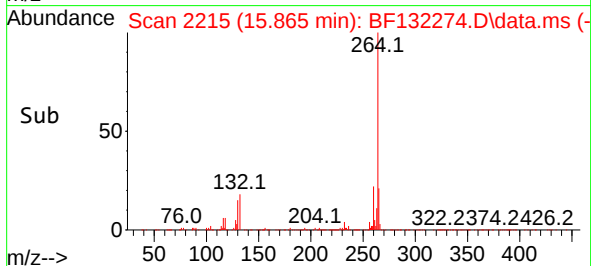
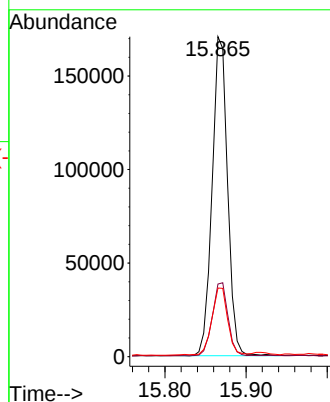
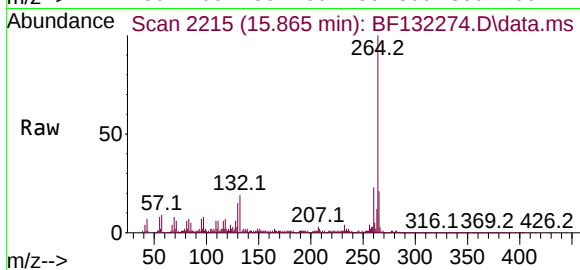
Tgt Ion:264 Resp: 225736

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.4
265	21.4	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.365 ng

RT: 17.506 min Scan# 2494

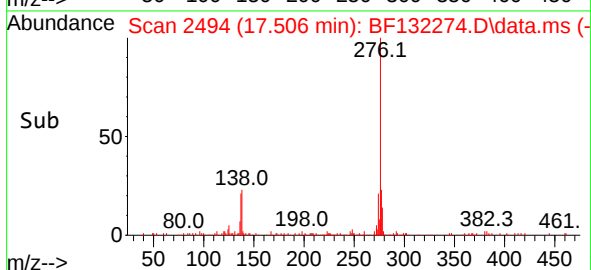
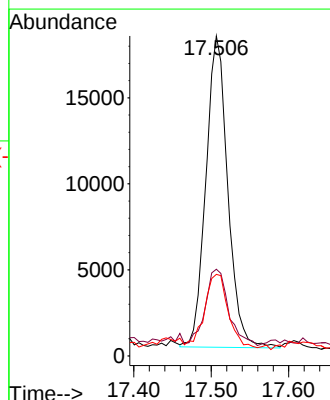
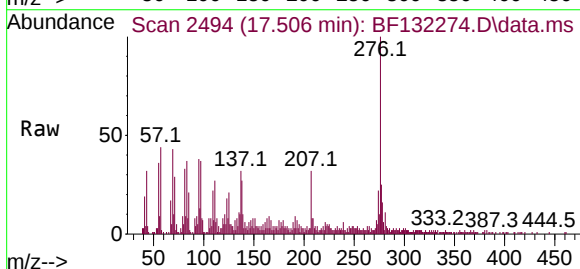
Delta R.T. -0.018 min

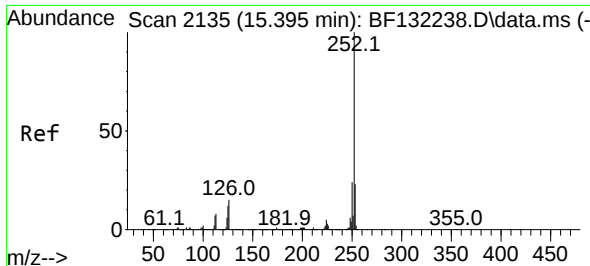
Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

Tgt Ion:276 Resp: 35469

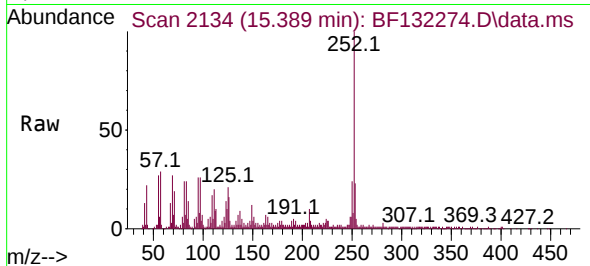
Ion	Ratio	Lower	Upper
276	100		
138	26.1	23.3	34.9
277	25.2	20.0	30.0





#88
Benzo(b)fluoranthene
Concen: 6.638 ng m
RT: 15.389 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42

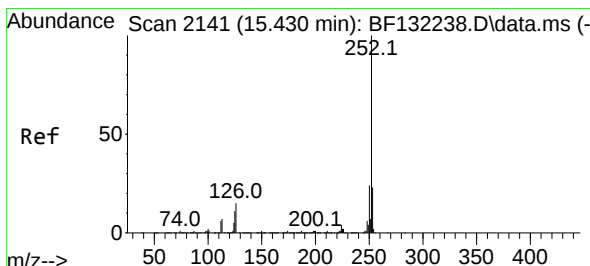
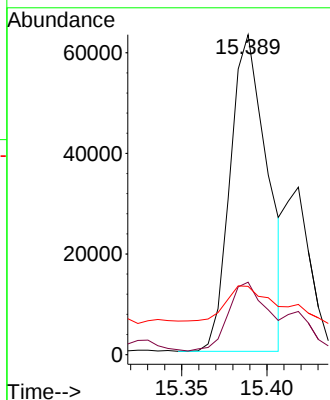
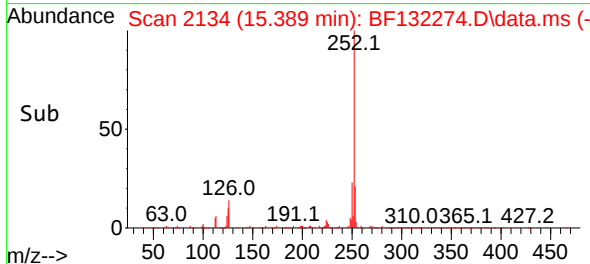
Instrument :
BNA_F
ClientSampleId :
ETGI-346



Tgt Ion:252 Resp: 95244
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 21.3 9.6 14.4

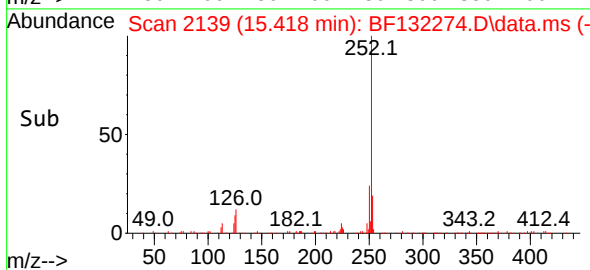
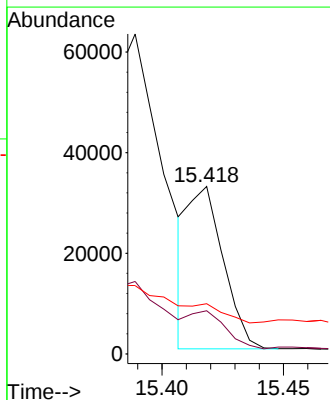
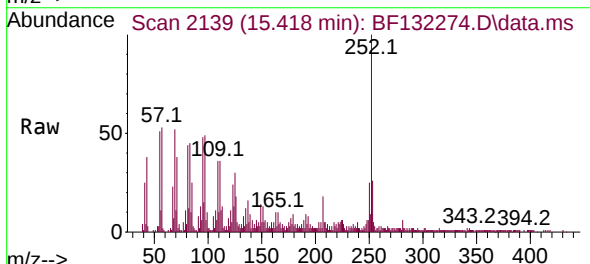
Manual Integrations
APPROVED

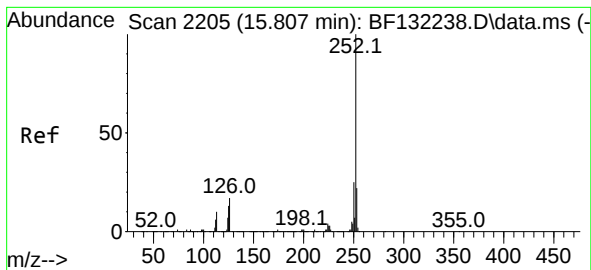
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#89
Benzo(k)fluoranthene
Concen: 2.364 ng m
RT: 15.418 min Scan# 2139
Delta R.T. -0.012 min
Lab File: BF132274.D
Acq: 01 Feb 2023 22:42

Tgt Ion:252 Resp: 32375
Ion Ratio Lower Upper
252 100
253 25.7 18.2 27.2
125 30.0 9.0 13.6





#90

Benzo(a)pyrene

Concen: 4.891 ng

RT: 15.795 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

Instrument :

BNA_F

ClientSampleId :

ETGI-346

Tgt Ion:252 Resp: 65350

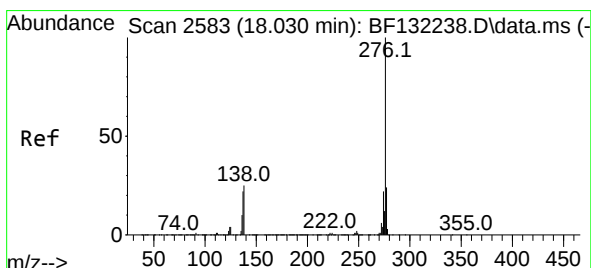
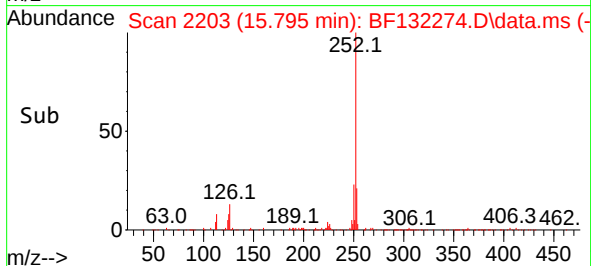
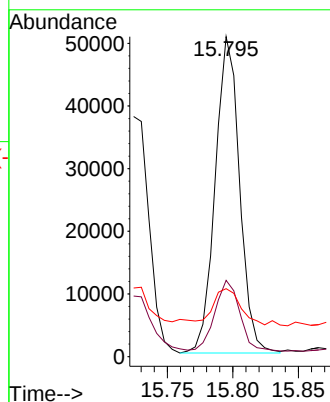
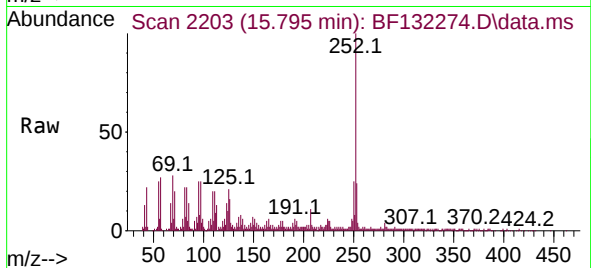
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	21.2	10.2	15.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/02/2023



#92

Benzo(g,h,i)perylene

Concen: 2.922 ng

RT: 18.006 min Scan# 2579

Delta R.T. -0.024 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

Tgt Ion:276 Resp: 36403

Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.4	29.2
138	27.9	20.3	30.5

