

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022232\
 Data File : BF132534.D
 Acq On : 23 Feb 2023 22:32
 Operator : CG\JU
 Sample : 01645-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-352

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/24/2023
 Supervised By : Jagrut Upadhyay 02/24/2023

Quant Time: Feb 24 00:41:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 23 00:59:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.007	152	136398	20.000	ng	0.00
21) Naphthalene-d8	8.295	136	460343	20.000	ng	0.00
39) Acenaphthene-d10	10.054	164	200365	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	321538	20.000	ng	0.00
76) Chrysene-d12	14.207	240	275001	20.000	ng	-0.01
86) Perylene-d12	15.760	264	211144	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.637	112	803600	95.619	ng	0.00
7) Phenol-d6	6.631	99	1014321	92.478	ng	-0.01
23) Nitrobenzene-d5	7.572	82	658309	67.847	ng	0.00
42) 2,4,6-Tribromophenol	10.848	330	180189	83.272	ng	-0.01
45) 2-Fluorobiphenyl	9.366	172	983183	74.716	ng	-0.01
79) Terphenyl-d14	13.142	244	923065	56.751	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.354	266	22711	9.974	ng	98
71) Phenanthrene	11.572	178	223587	13.423	ng	99
72) Anthracene	11.625	178	48109	2.805	ng	96
75) Fluoranthene	12.772	202	488429	26.822	ng	99
78) Pyrene	13.007	202	448172	17.925	ng	99
81) Benzo(a)anthracene	14.195	228	229745	11.166	ng	96
83) Chrysene	14.236	228	245385	12.753	ng	98
84) Bis(2-ethylhexyl)phtha...	14.172	149	206511	17.038	ng	99
87) Indeno(1,2,3-cd)pyrene	17.360	276	90534	6.544	ng	97
88) Benzo(b)fluoranthene	15.295	252	273454m	19.326	ng	
89) Benzo(k)fluoranthene	15.324	252	74545m	5.383	ng	
90) Benzo(a)pyrene	15.695	252	159023	12.008	ng	98
91) Dibenzo(a,h)anthracene	17.365	278	22840	2.026	ng	# 76
92) Benzo(g,h,i)perylene	17.848	276	90654	8.491	ng	95

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

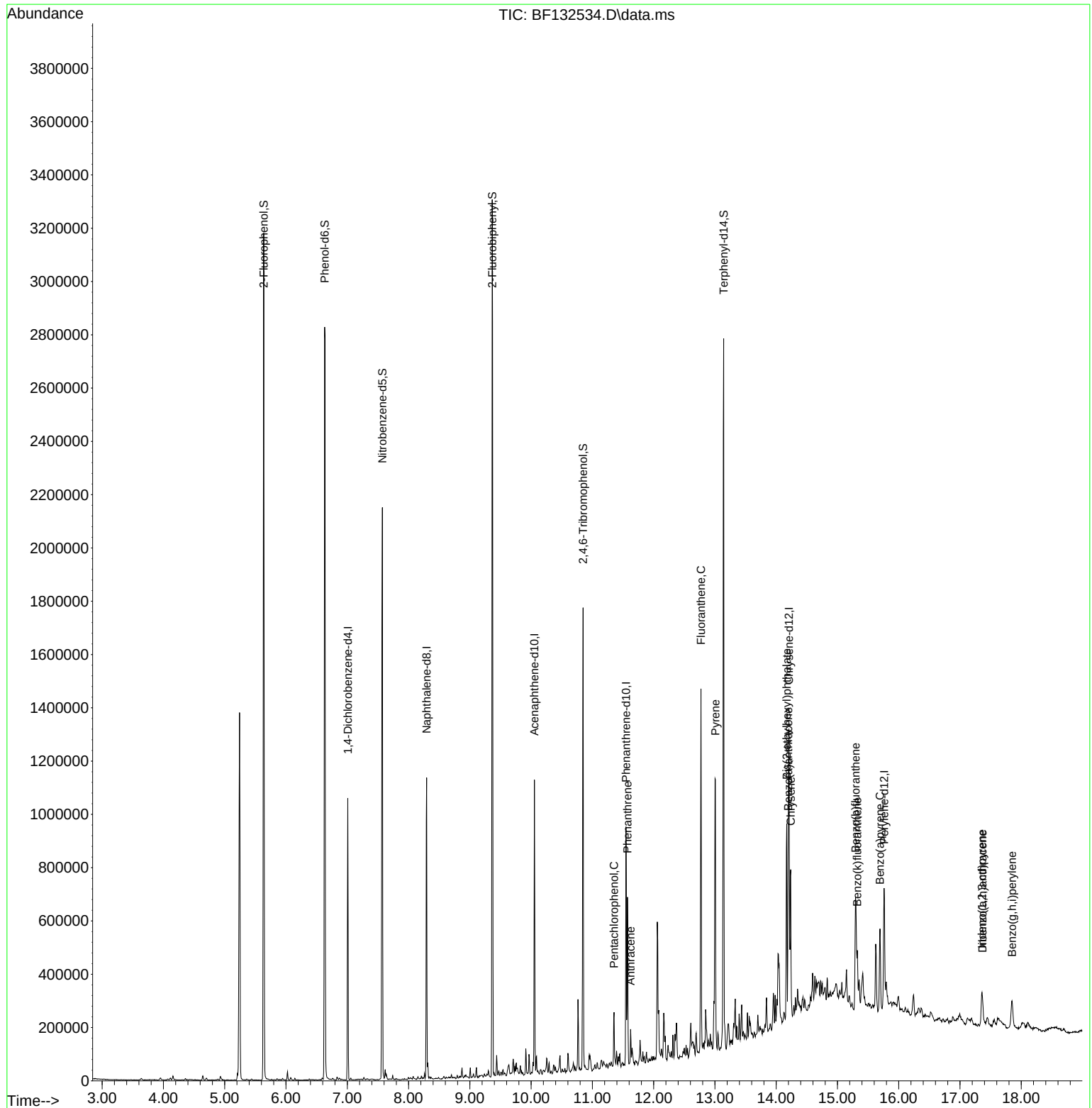
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Data File : BF132534.D
Acq On : 23 Feb 2023 22:32
Operator : CG\JU
Sample : 01645-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

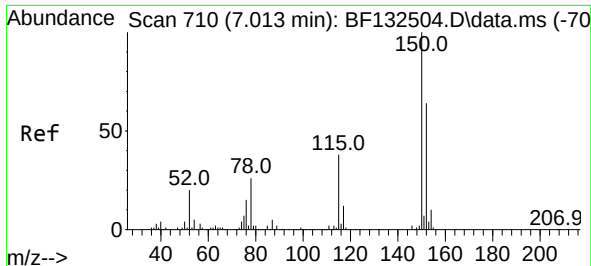
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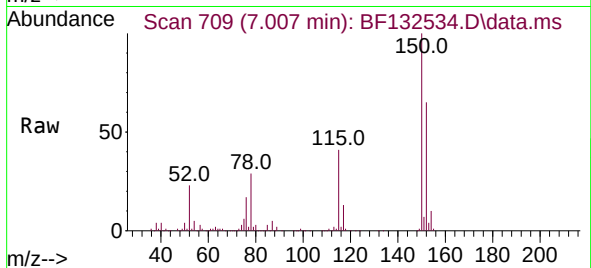
Quant Time: Feb 24 00:41:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 23 00:59:42 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.007 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

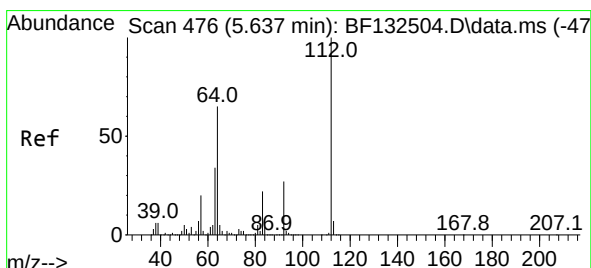
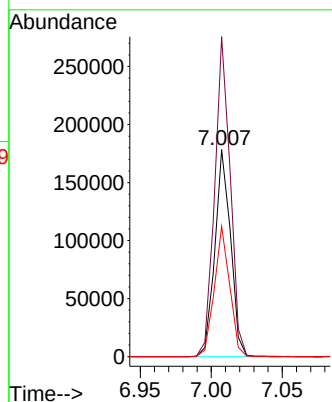
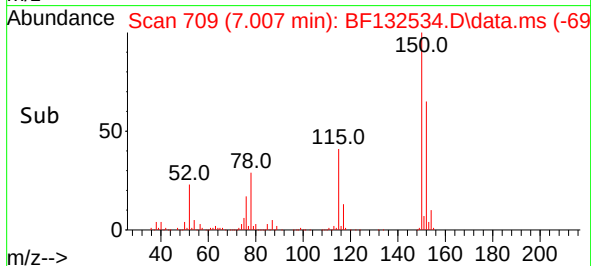
Instrument :
BNA_F
ClientSampleId :
ETGI-352



Tgt Ion:152 Resp: 136398
Ion Ratio Lower Upper
152 100
150 154.7 125.4 188.2
115 62.9 47.8 71.6

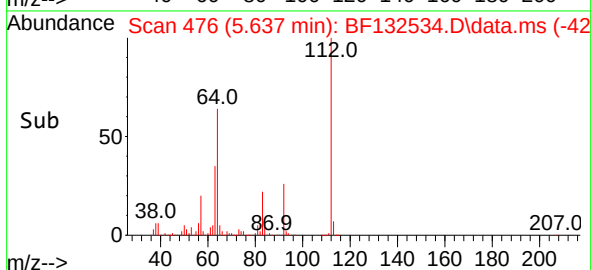
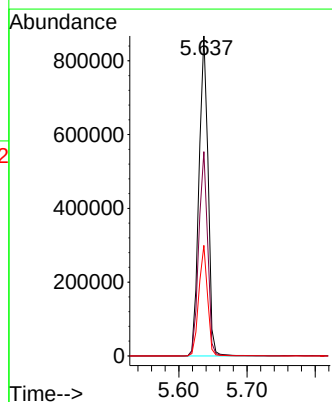
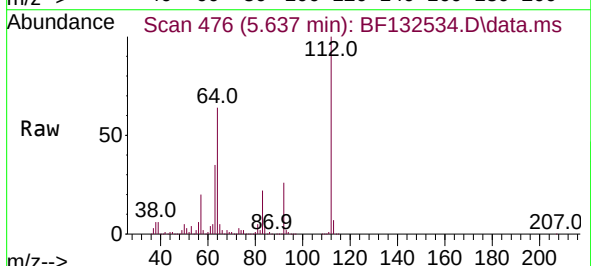
Manual Integrations
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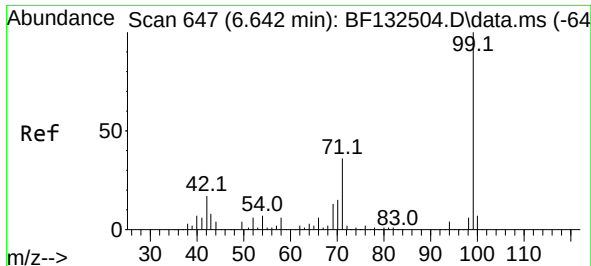
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#5
2-Fluorophenol
Concen: 95.619 ng
RT: 5.637 min Scan# 476
Delta R.T. 0.000 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

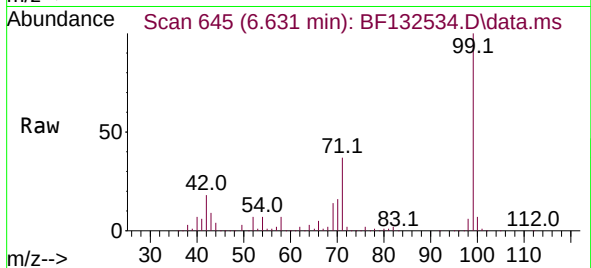
Tgt Ion:112 Resp: 803600
Ion Ratio Lower Upper
112 100
64 63.8 51.6 77.4
63 34.5 27.4 41.2





#7
Phenol-d6
Concen: 92.478 ng
RT: 6.631 min Scan# 647
Delta R.T. -0.012 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

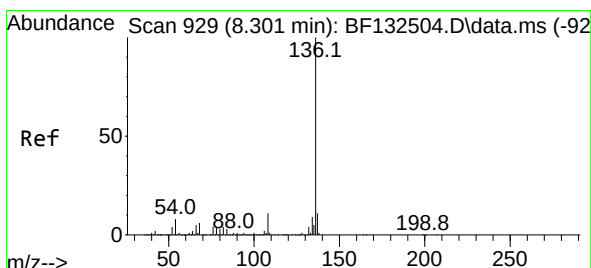
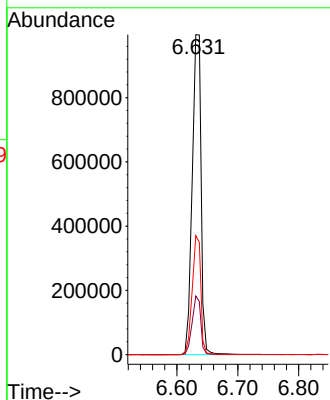
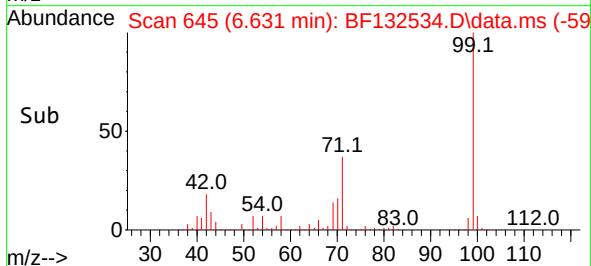
Instrument :
BNA_F
ClientSampleId :
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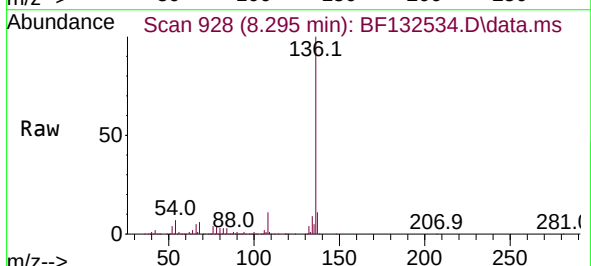
Tgt Ion: 99 Resp: 101432
Ion Ratio Lower Upper
99 100
42 18.4 13.9 20.9
71 37.2 28.5 42.7

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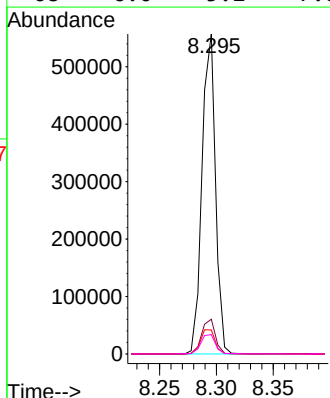
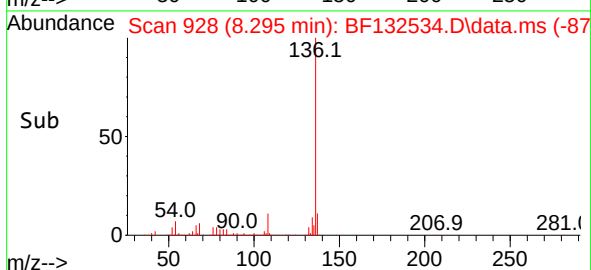
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023

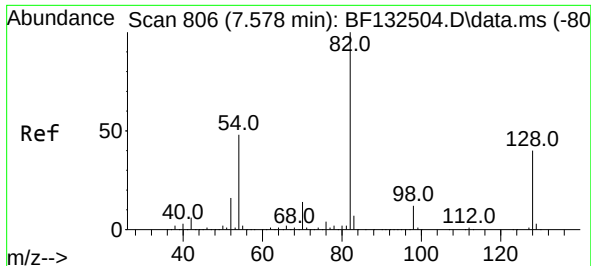


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.295 min Scan# 928
Delta R.T. -0.006 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32



Tgt Ion:136 Resp: 460343
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.5 6.2 9.4
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 67.847 ng

RT: 7.572 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Instrument :

BNA_F

ClientSampleId :

ETGI-352

Tgt Ion: 82 Resp: 658309

Ion Ratio Lower Upper

82 100

128 40.7 32.2 48.2

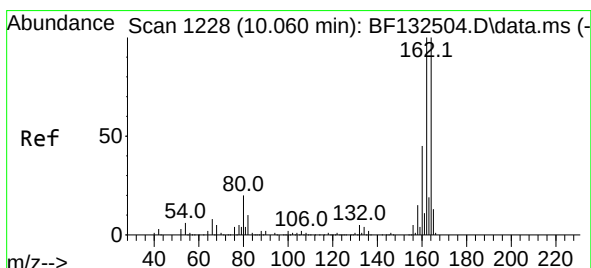
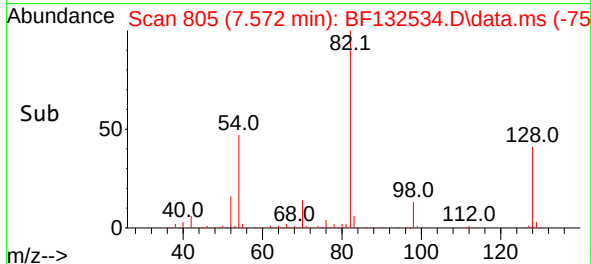
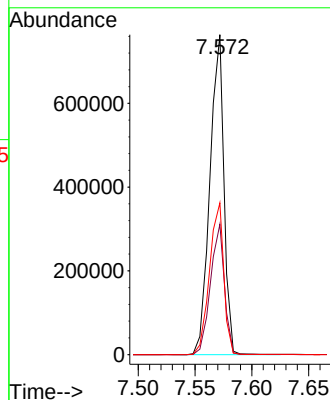
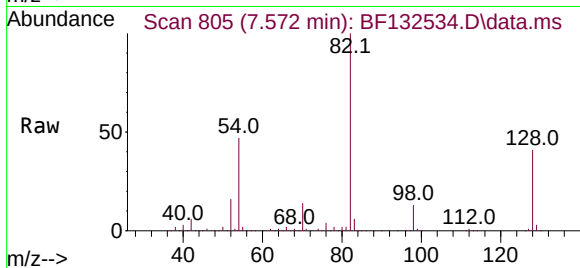
54 47.4 38.4 57.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.054 min Scan# 1227

Delta R.T. -0.006 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

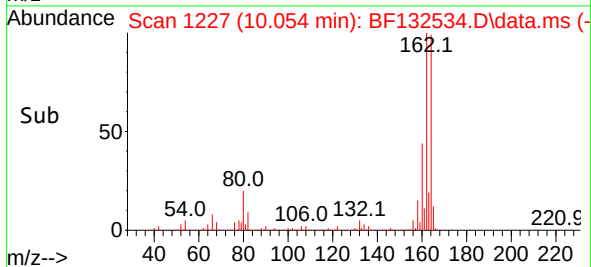
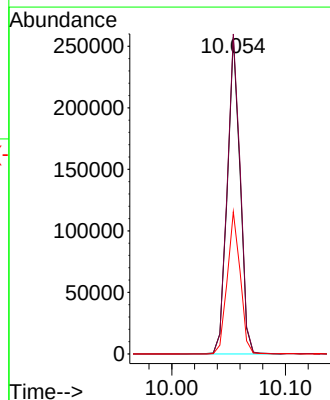
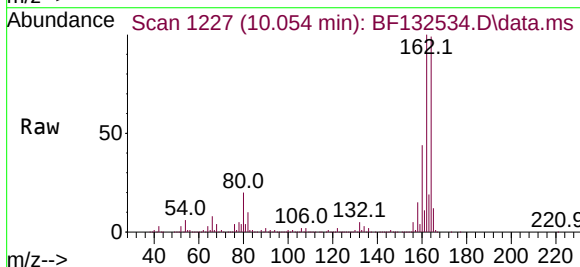
Tgt Ion:164 Resp: 200365

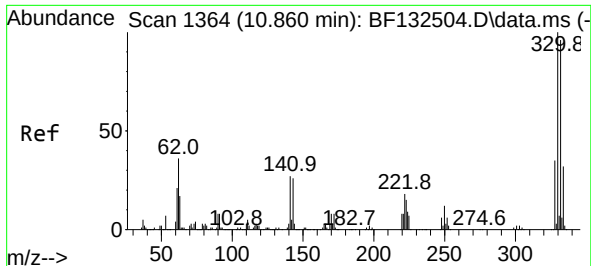
Ion Ratio Lower Upper

164 100

162 101.1 79.8 119.8

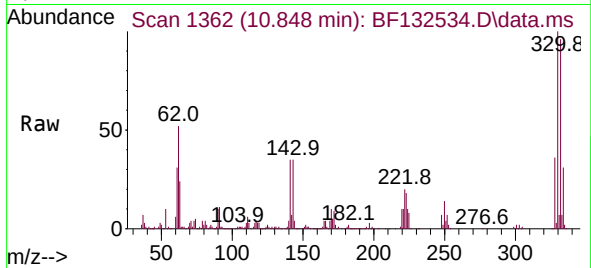
160 44.9 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 83.272 ng
RT: 10.848 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

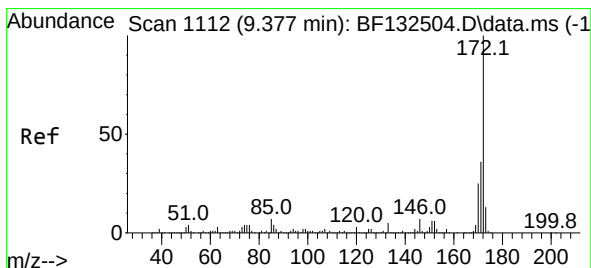
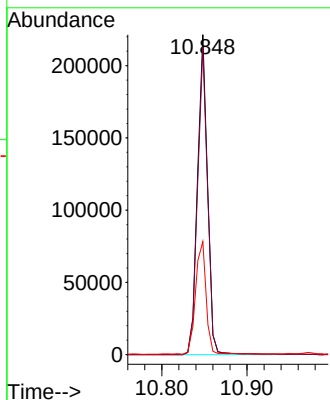
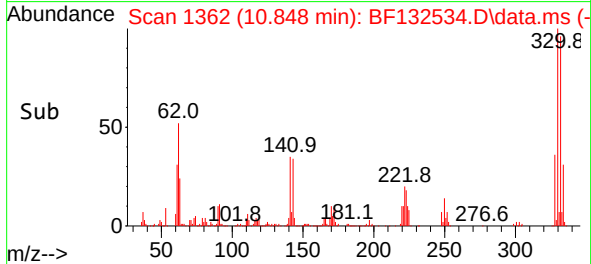
Instrument :
BNA_F
ClientSampleId :
ETGI-352



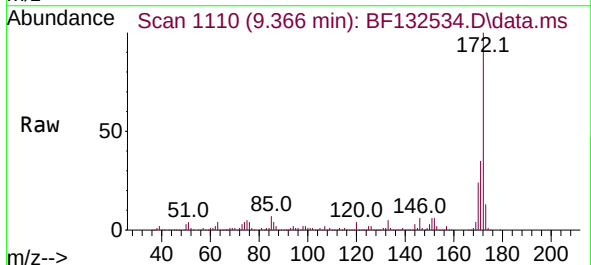
Tgt Ion: 330 Resp: 180189
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 36.8 28.4 42.6

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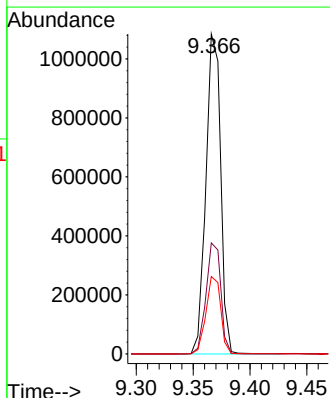
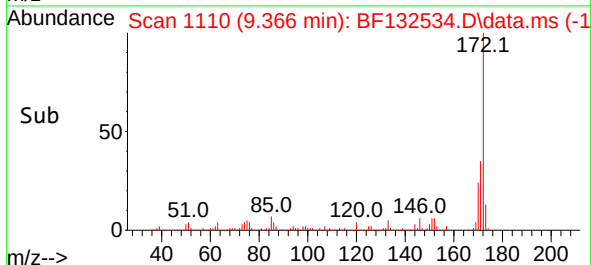
Reviewed By : Christian Giraldo 02/24/2023
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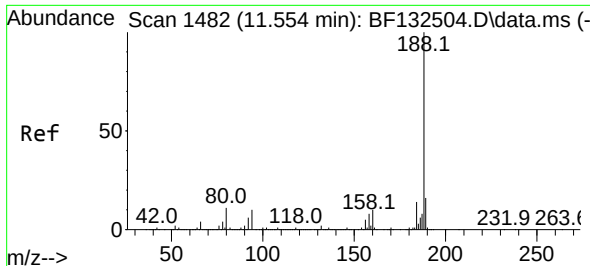


#45
2-Fluorobiphenyl
Concen: 74.716 ng
RT: 9.366 min Scan# 1110
Delta R.T. -0.011 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32



Tgt Ion: 172 Resp: 983183
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 24.2 19.7 29.5





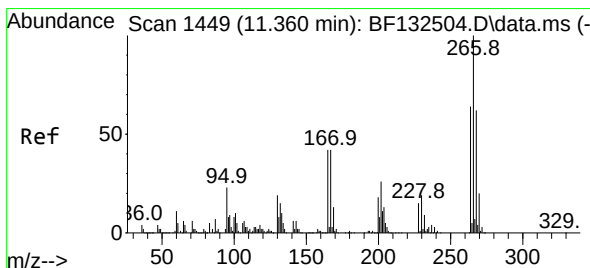
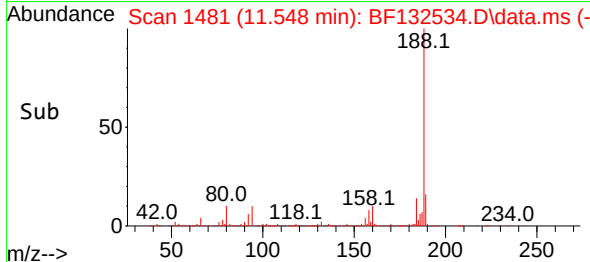
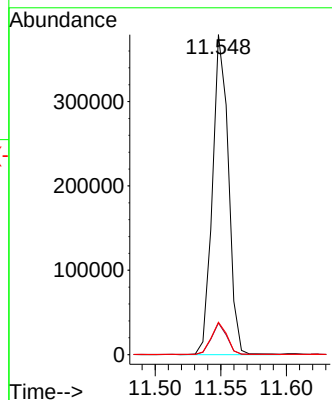
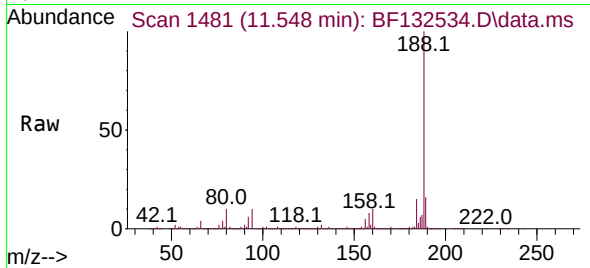
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.548 min Scan# 1482
Delta R.T. -0.006 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Instrument :
BNA_F
ClientSampleId :
ETGI-352

Tgt Ion:188 Resp: 321538
Ion Ratio Lower Upper
188 100
94 9.9 8.3 12.5
80 10.1 8.7 13.1

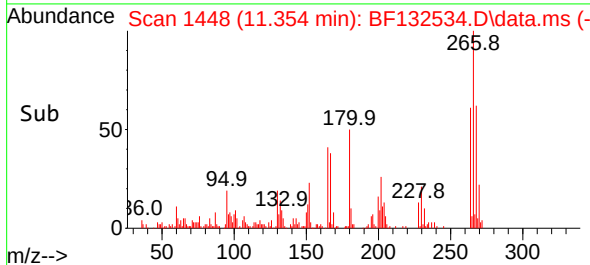
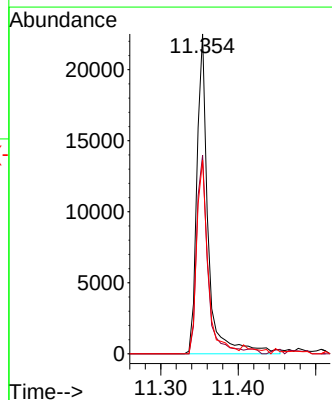
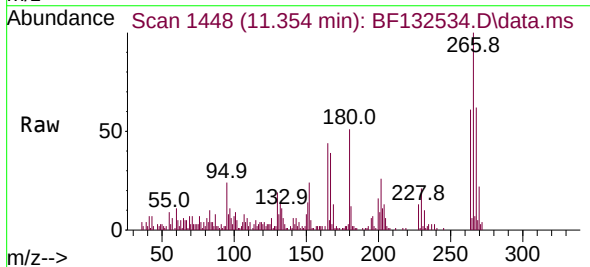
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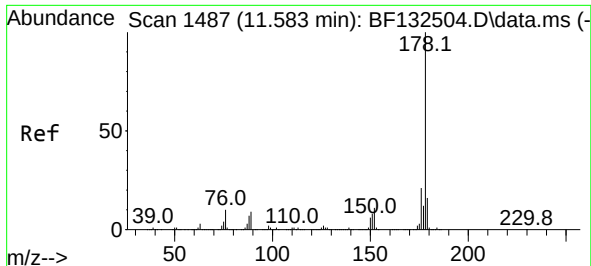
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#70
Pentachlorophenol
Concen: 9.974 ng
RT: 11.354 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Tgt Ion:266 Resp: 22711
Ion Ratio Lower Upper
266 100
268 62.1 49.8 74.6
264 60.5 50.9 76.3





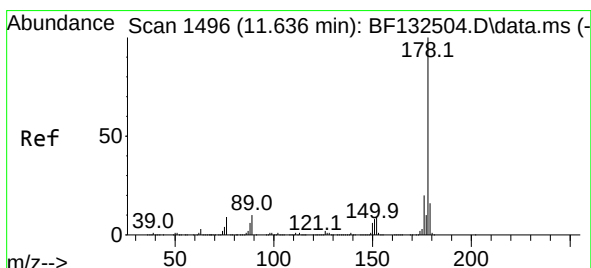
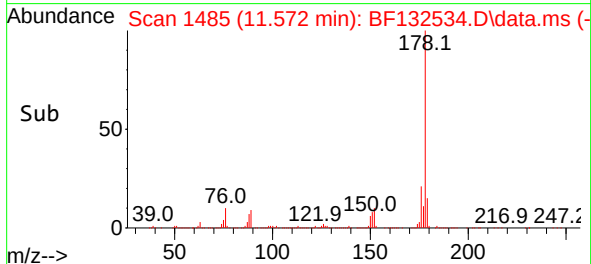
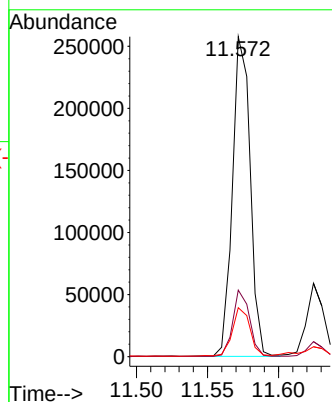
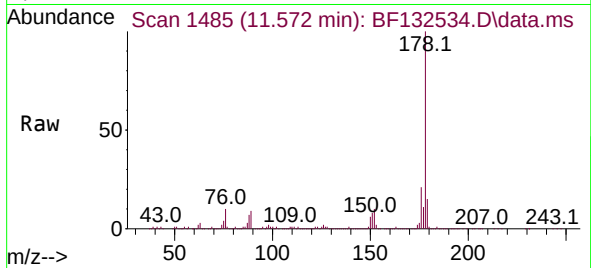
#71
Phenanthrene
Concen: 13.423 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.012 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Instrument :
BNA_F
ClientSampleId :
ETGI-352

Tgt Ion:178 Resp: 22358
Ion Ratio Lower Upper
178 100
176 20.8 16.5 24.7
179 15.3 13.0 19.6

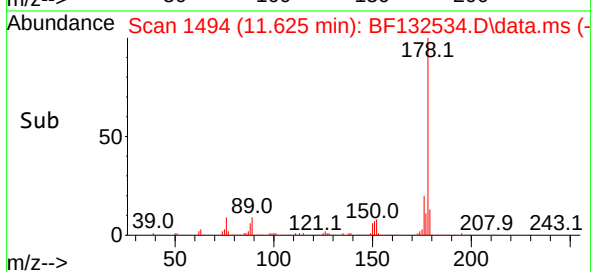
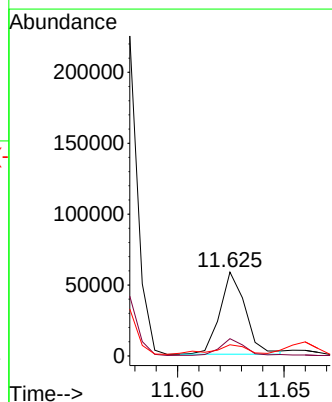
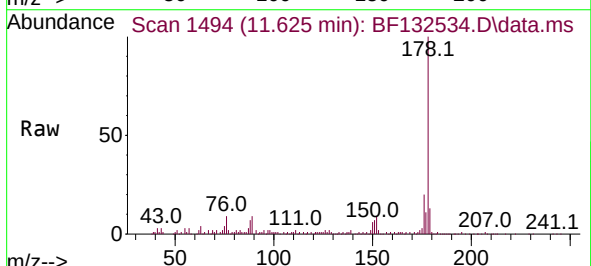
Manual Integrations
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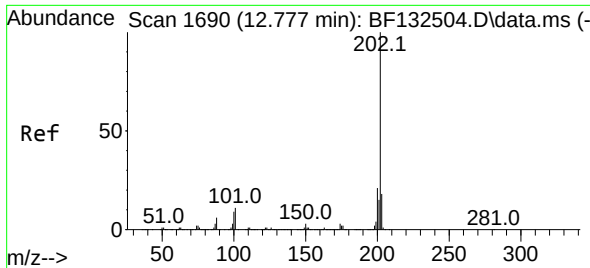
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#72
Anthracene
Concen: 2.805 ng
RT: 11.625 min Scan# 1494
Delta R.T. -0.012 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

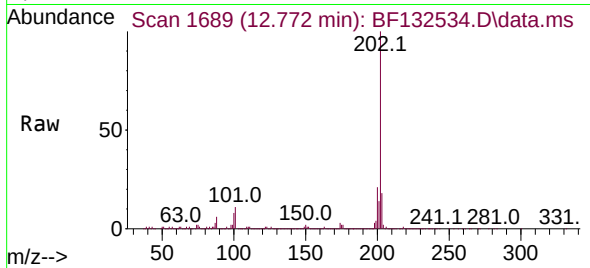
Tgt Ion:178 Resp: 48109
Ion Ratio Lower Upper
178 100
176 20.5 15.6 23.4
179 13.3 12.5 18.7





#75
Fluoranthene
Concen: 26.822 ng
RT: 12.772 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

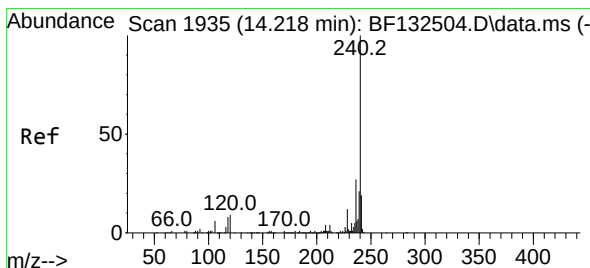
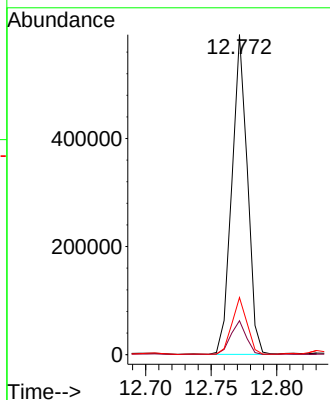
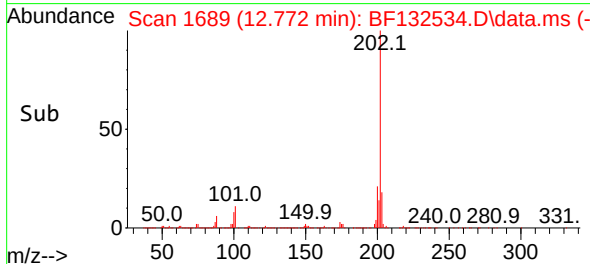
Instrument :
BNA_F
ClientSampleId :
ETGI-352



Tgt Ion:202 Resp: 488429
Ion Ratio Lower Upper
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101 10.6 0.0 31.4
203 17.8 0.0 38.0

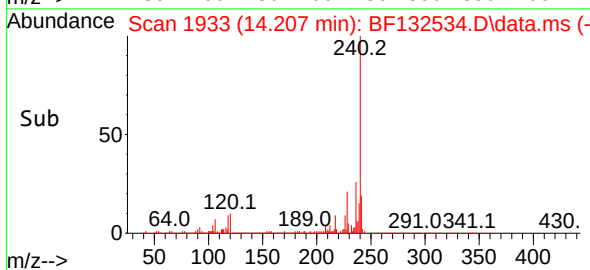
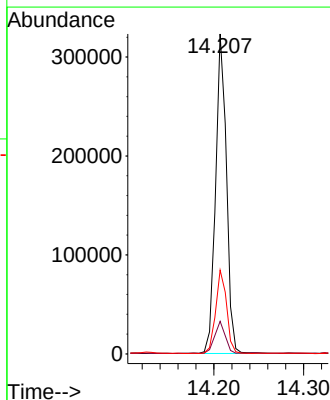
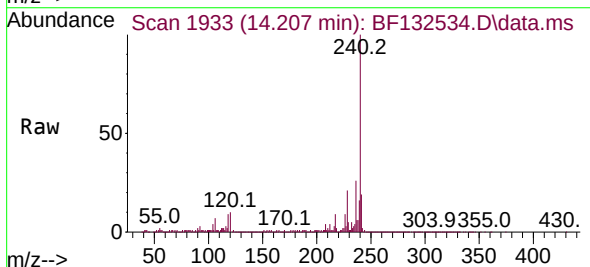
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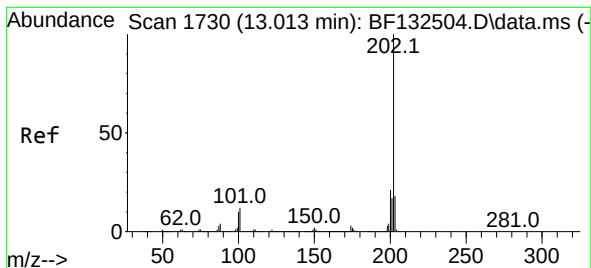
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.207 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Tgt Ion:240 Resp: 275001
Ion Ratio Lower Upper
240 100
120 10.2 7.2 10.8
236 26.2 21.8 32.6





#78

Pyrene

Concen: 17.925 ng

RT: 13.007 min Scan# 1729

Delta R.T. -0.006 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Instrument :

BNA_F

ClientSampleId :

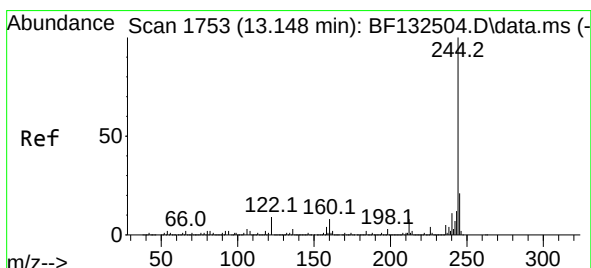
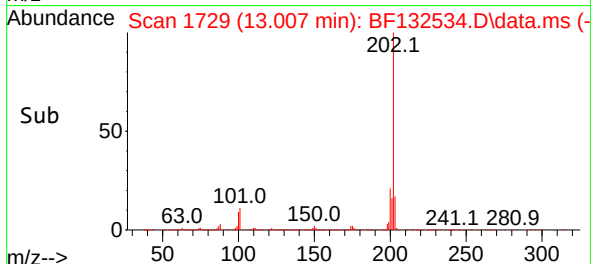
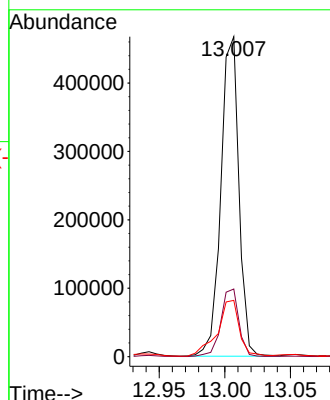
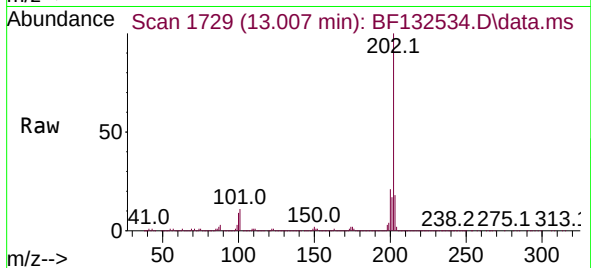
ETGI-352

Tgt Ion:	202	Resp:	448172
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.1	25.7
203	17.6	14.6	21.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#79

Terphenyl-d14

Concen: 56.751 ng

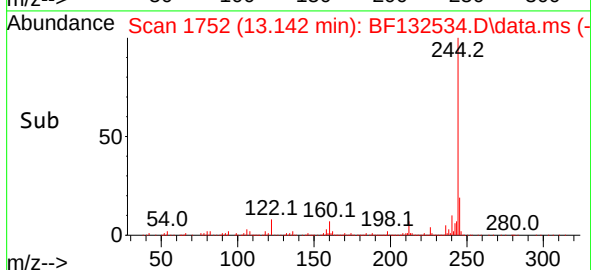
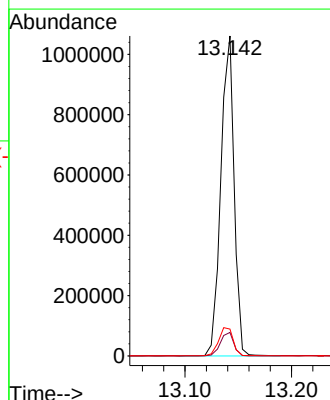
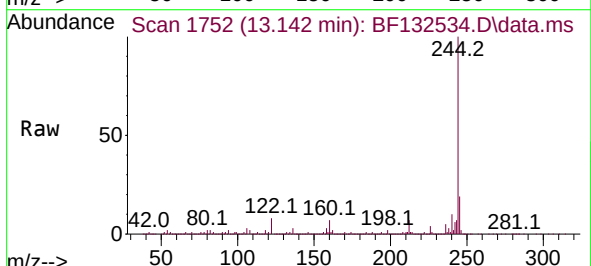
RT: 13.142 min Scan# 1752

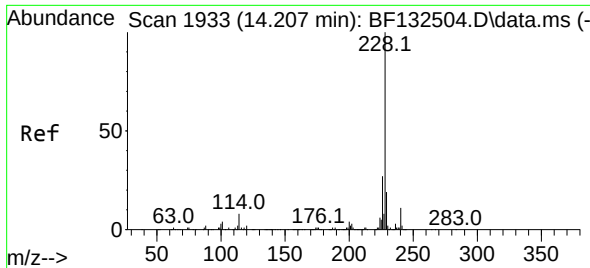
Delta R.T. -0.006 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Tgt Ion:	244	Resp:	923065
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.5	9.7
122	8.4	7.5	11.3





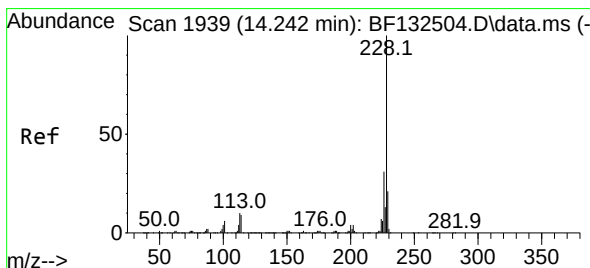
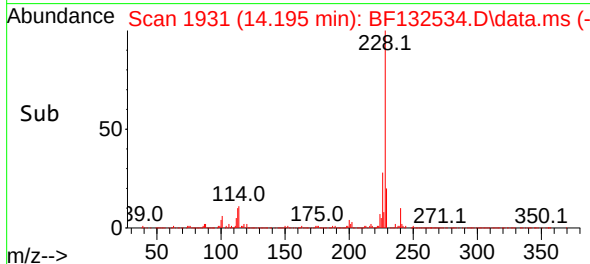
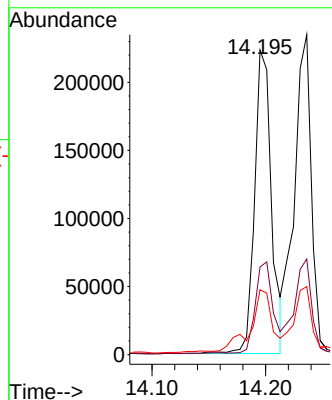
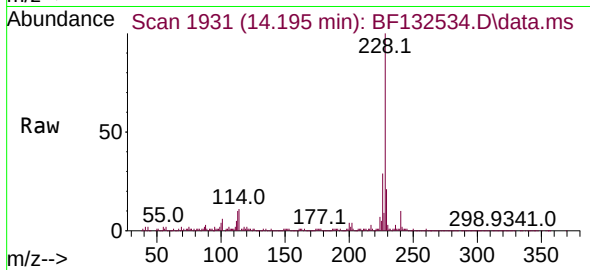
#81
Benzo(a)anthracene
Concen: 11.166 ng
RT: 14.195 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Instrument :
BNA_F
ClientSampleId :
ETGI-352

Tgt Ion:228 Resp: 229745
Ion Ratio Lower Upper
228 100
226 28.8 21.7 32.5
229 21.3 15.4 23.2

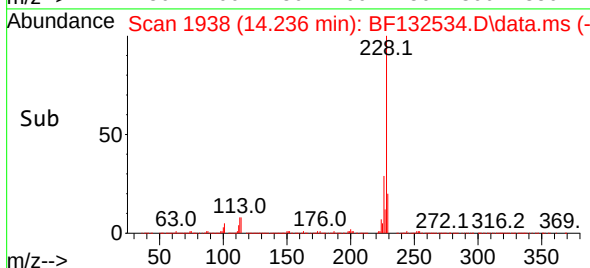
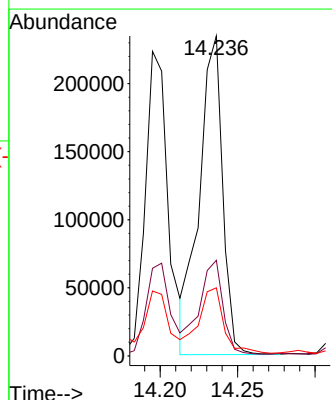
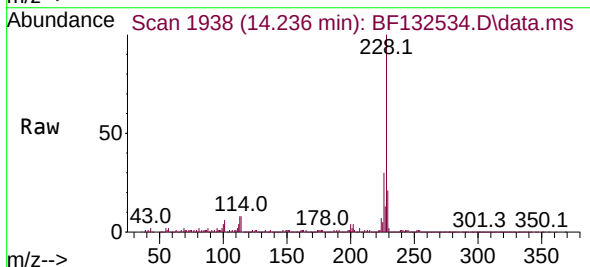
Manual Integrations
APPROVED

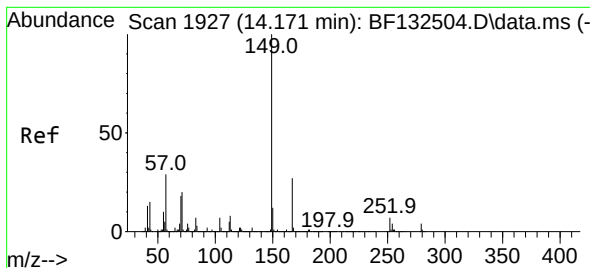
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#83
Chrysene
Concen: 12.753 ng
RT: 14.236 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Tgt Ion:228 Resp: 245385
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 21.3 16.4 24.6





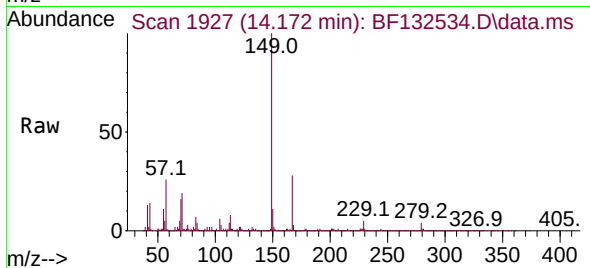
#84
Bis(2-ethylhexyl)phthalate
Concen: 17.038 ng
RT: 14.172 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Instrument :

BNA_F

ClientSampleId :

ETGI-352

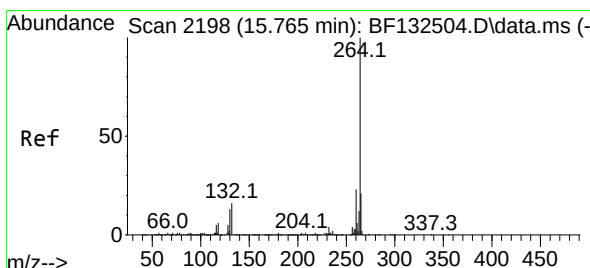
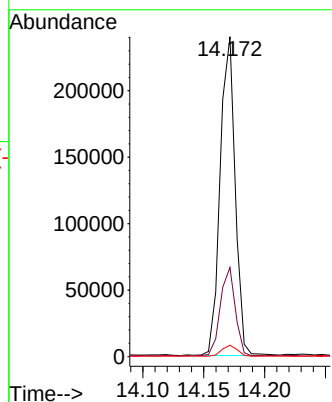
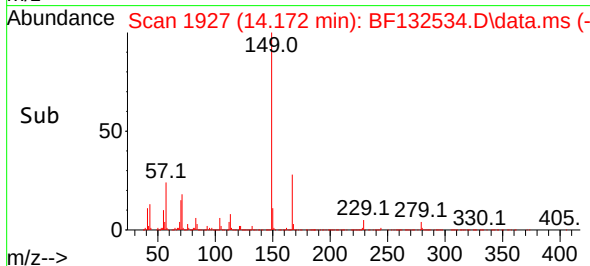


Tgt Ion:149 Resp: 206511
Ion Ratio Lower Upper
149 100
167 27.9 21.8 32.6
279 3.6 3.0 4.6

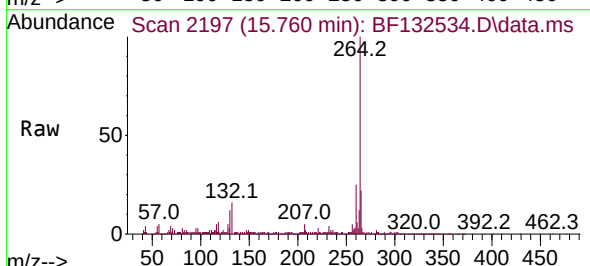
Manual Integrations

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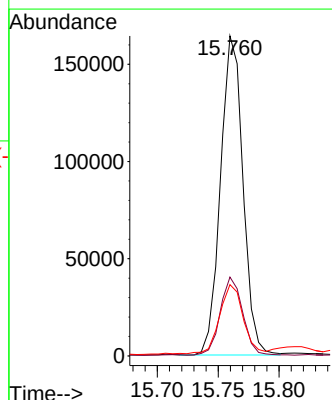
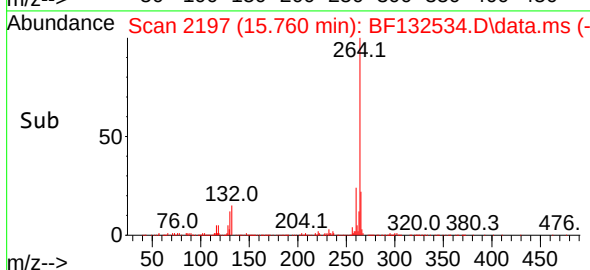
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023

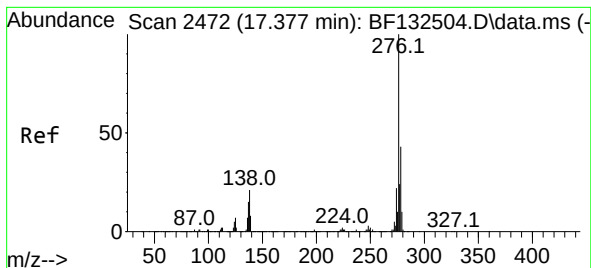


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.760 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32



Tgt Ion:264 Resp: 211144
Ion Ratio Lower Upper
264 100
260 24.6 18.8 28.2
265 22.3 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.544 ng

RT: 17.360 min Scan# 2469

Delta R.T. -0.017 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Instrument :

BNA_F

ClientSampleId :

ETGI-352

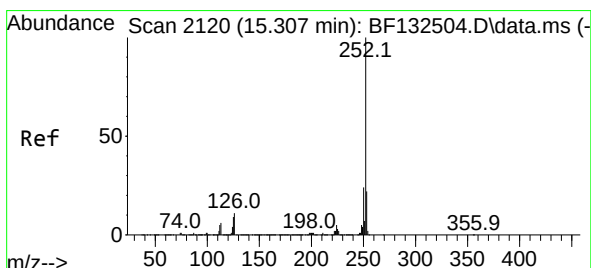
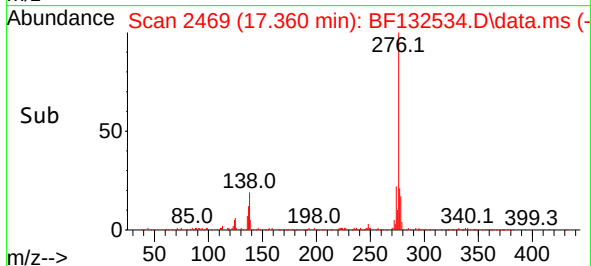
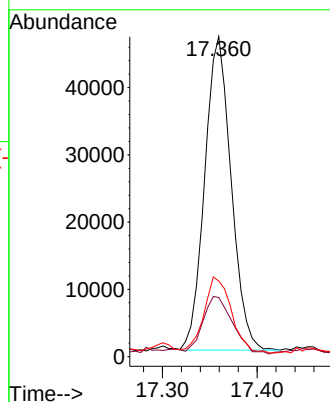
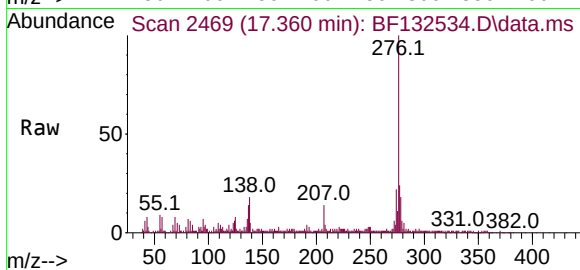
Tgt Ion:	276	Resp:	90534
Ion Ratio	Lower	Upper	
276	100		
138	20.5	19.0	28.4
277	25.3	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/24/2023

Supervised By :Jagrut Upadhyay 02/24/2023



#88

Benzo(b)fluoranthene

Concen: 19.326 ng m

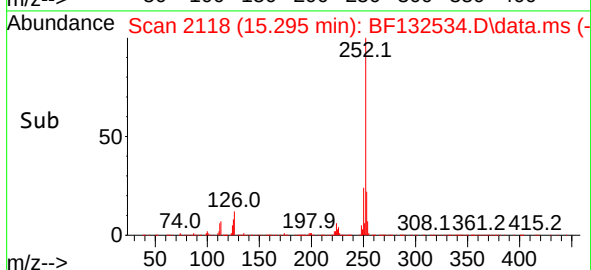
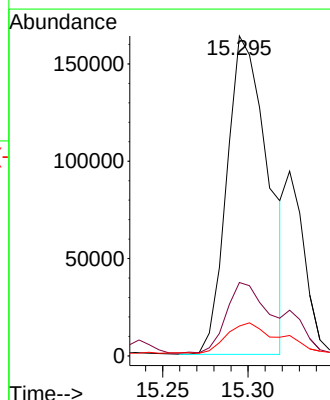
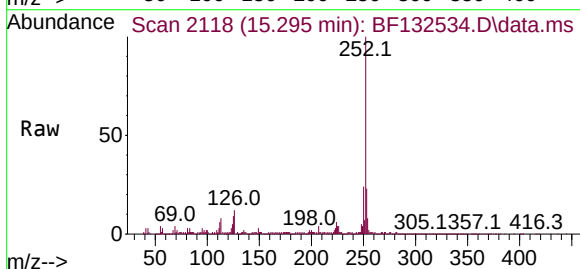
RT: 15.295 min Scan# 2118

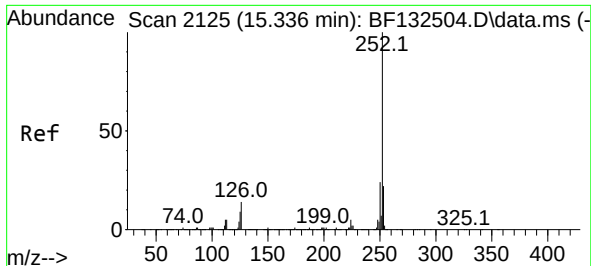
Delta R.T. -0.012 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Tgt Ion:	252	Resp:	273454
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.0
125	9.3	7.0	10.6





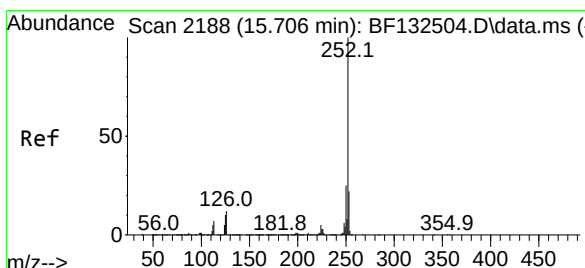
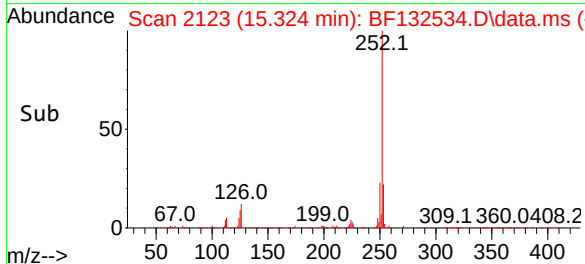
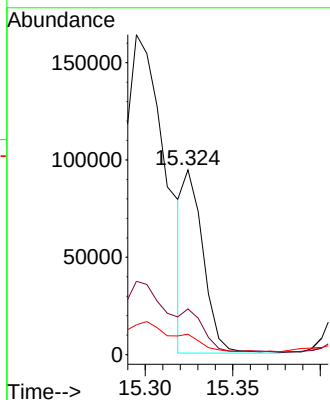
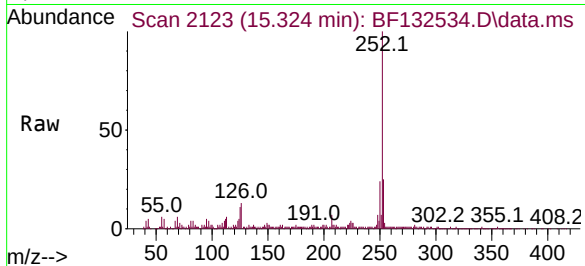
#89
Benzo(k)fluoranthene
Concen: 5.383 ng m
RT: 15.324 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Instrument :
BNA_F
ClientSampleId :
ETGI-352

Tgt Ion:252 Resp: 74545
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 11.1 7.2 10.8

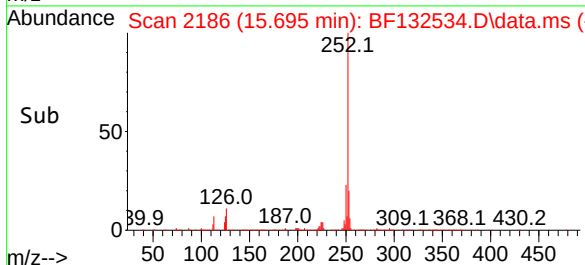
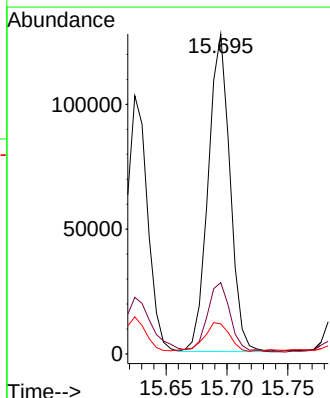
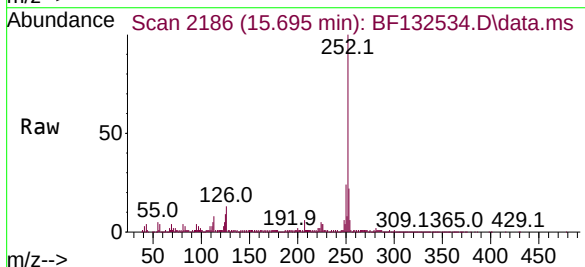
Manual Integrations
APPROVED

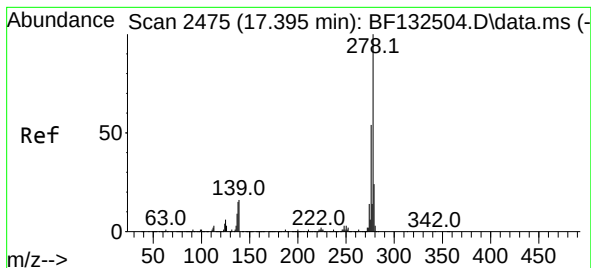
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#90
Benzo(a)pyrene
Concen: 12.008 ng
RT: 15.695 min Scan# 2186
Delta R.T. -0.012 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Tgt Ion:252 Resp: 159023
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 9.4 8.0 12.0





#91

Dibenzo(a,h)anthracene

Concen: 2.026 ng

RT: 17.365 min Scan# 2475

Delta R.T. -0.029 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Instrument :

BNA_F

ClientSampleId :

ETGI-352

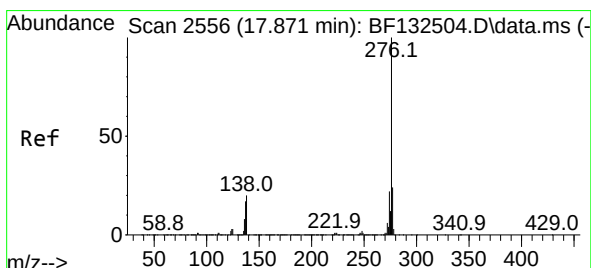
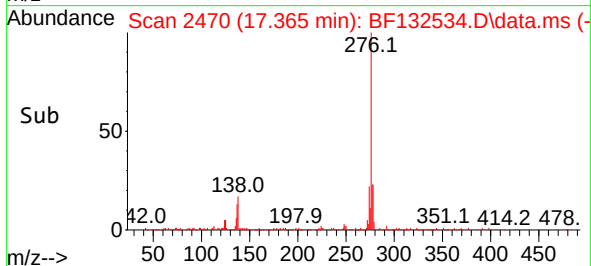
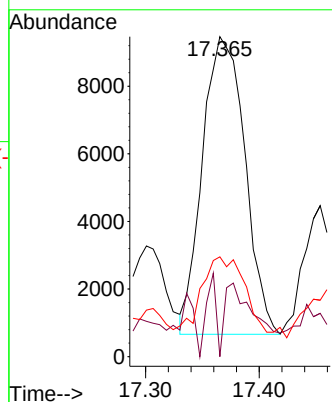
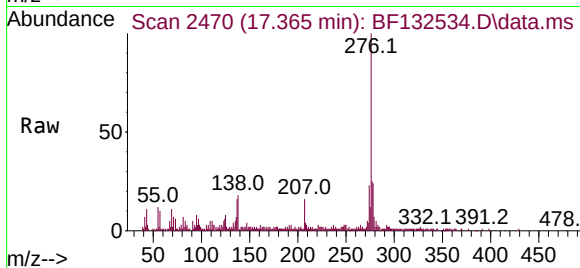
Tgt Ion:278 Resp: 22840

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4
279	31.2	19.0	28.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#92

Benzo(g,h,i)perylene

Concen: 8.491 ng

RT: 17.848 min Scan# 2552

Delta R.T. -0.023 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Tgt Ion:276 Resp: 90654

Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.9	28.3
138	21.7	16.2	24.4

