

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022723\
 Data File : BF132554.D
 Acq On : 27 Feb 2023 15:59
 Operator : CG\JU
 Sample : 01645-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-352

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/28/2023
 Supervised By :Jagrut Upadhyay 02/28/2023

Quant Time: Feb 27 17:00:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.001	152	126902	20.000	ng	0.00
21) Naphthalene-d8	8.290	136	465072	20.000	ng	0.00
39) Acenaphthene-d10	10.048	164	225897	20.000	ng	0.00
64) Phenanthrene-d10	11.542	188	352268	20.000	ng	0.00
76) Chrysene-d12	14.201	240	273318	20.000	ng	# 0.00
86) Perylene-d12	15.760	264	209042	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.631	112	778905	99.615	ng	0.00
7) Phenol-d6	6.625	99	1007670	98.746	ng	-0.01
23) Nitrobenzene-d5	7.566	82	658906	67.218	ng	0.00
42) 2,4,6-Tribromophenol	10.842	330	210827	86.419	ng	0.00
45) 2-Fluorobiphenyl	9.366	172	1039466	70.065	ng	0.00
79) Terphenyl-d14	13.136	244	895158	55.374	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.348	266	24513	9.826	ng	97
71) Phenanthrene	11.572	178	241586	13.238	ng	98
72) Anthracene	11.619	178	43080	2.292	ng	97
75) Fluoranthene	12.766	202	477056	23.912	ng	98
78) Pyrene	13.001	202	430077	17.307	ng	97
81) Benzo(a)anthracene	14.189	228	227913	11.145	ng	98
83) Chrysene	14.230	228	250327	13.090	ng	98
84) Bis(2-ethylhexyl)phtha...	14.166	149	194233	16.124	ng	98
87) Indeno(1,2,3-cd)pyrene	17.354	276	83951	6.129	ng	# 94
88) Benzo(b)fluoranthene	15.295	252	273672m	19.535	ng	
89) Benzo(k)fluoranthene	15.319	252	83967m	6.124	ng	
90) Benzo(a)pyrene	15.689	252	156707	11.952	ng	97
92) Benzo(g,h,i)perylene	17.842	276	81963	7.894	ng	# 94

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

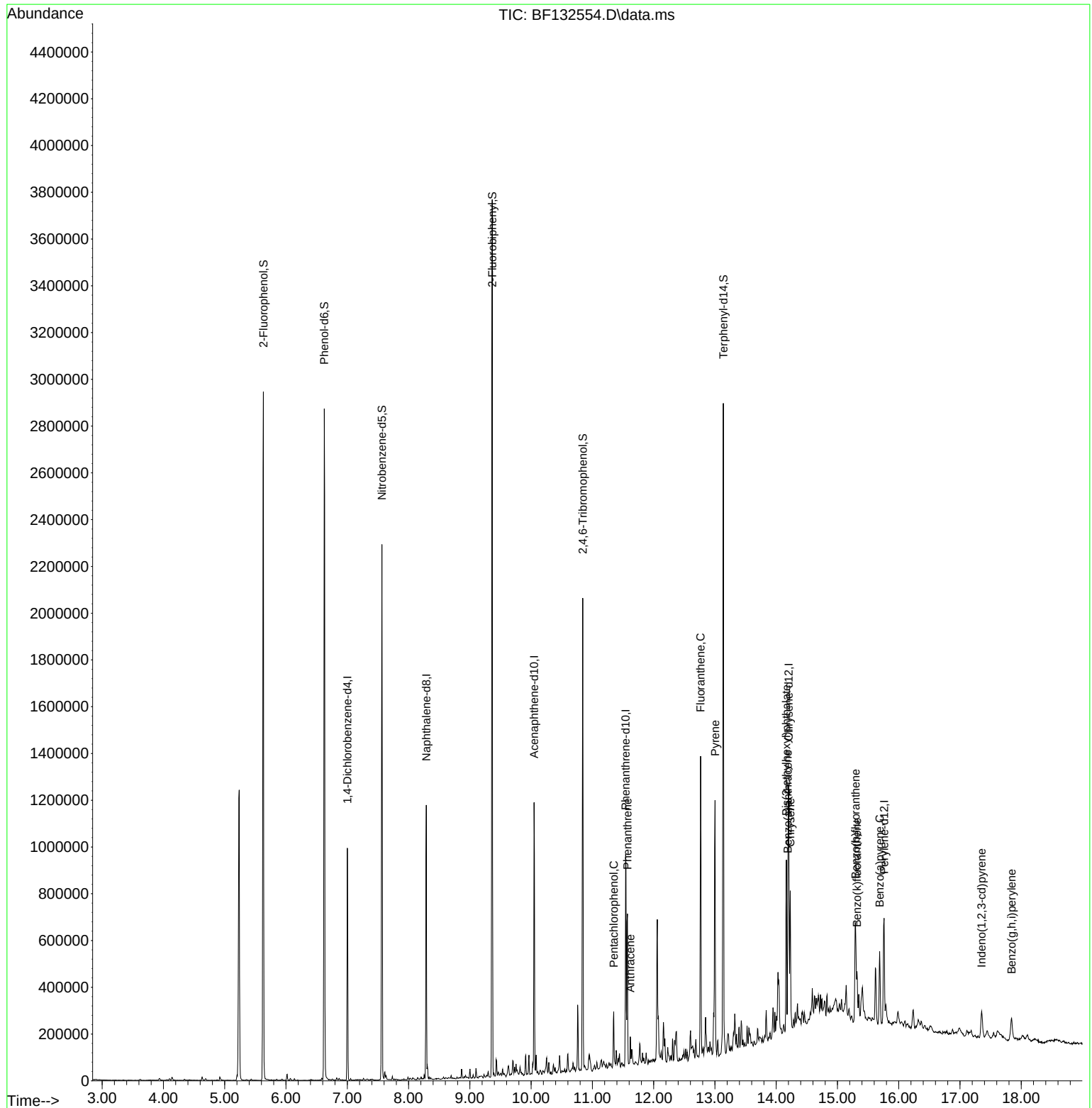
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022723\
Data File : BF132554.D
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ALS Vial : 11 Sample Multiplier: 1

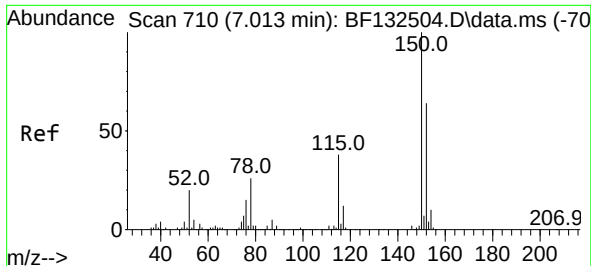
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
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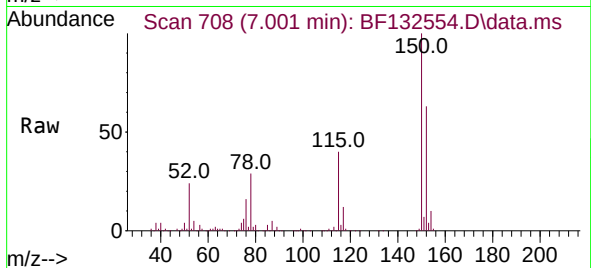
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.001 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

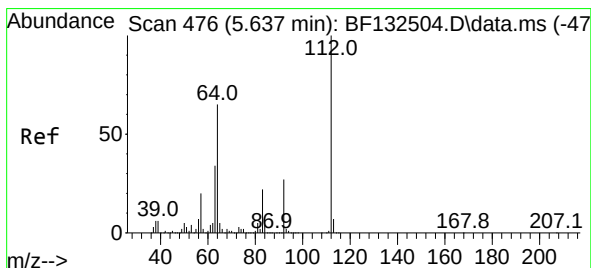
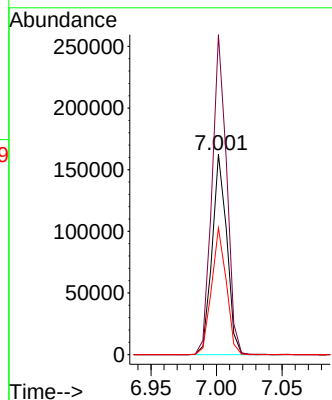
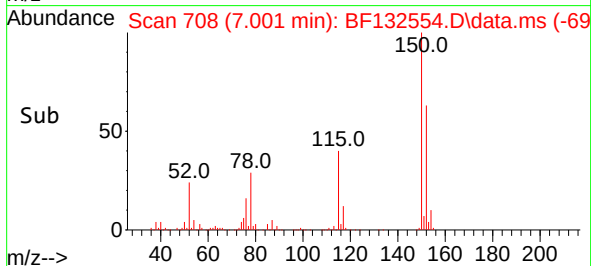
Instrument :
BNA_F
ClientSampleId :
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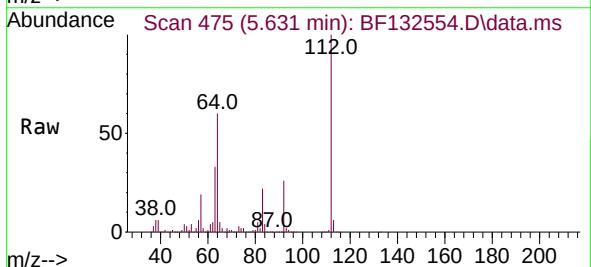
Tgt Ion:152 Resp: 126902
Ion Ratio Lower Upper
152 100
150 159.7 125.4 188.2
115 63.2 47.8 71.6

Manual Integrations
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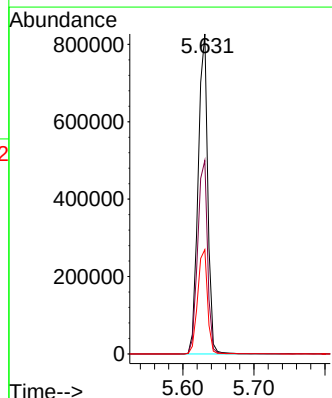
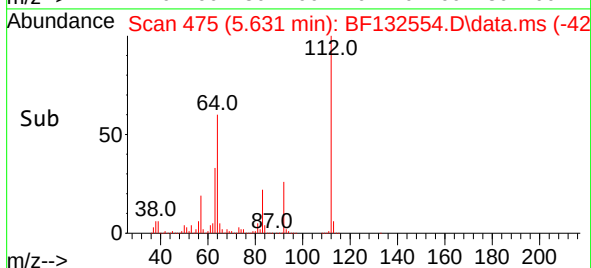
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023

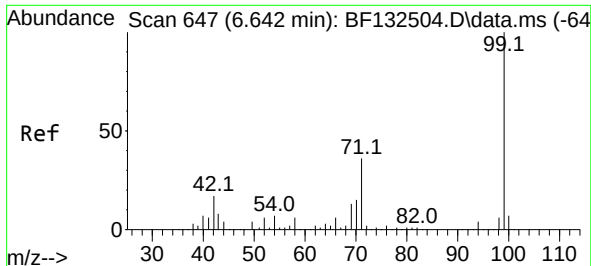


#5
2-Fluorophenol
Concen: 99.615 ng
RT: 5.631 min Scan# 475
Delta R.T. 0.000 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59



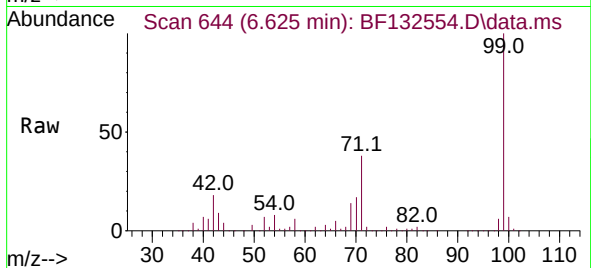
Tgt Ion:112 Resp: 778905
Ion Ratio Lower Upper
112 100
64 60.4 51.6 77.4
63 32.6 27.4 41.2





#7
Phenol-d6
Concen: 98.746 ng
RT: 6.625 min Scan# 64
Delta R.T. -0.012 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

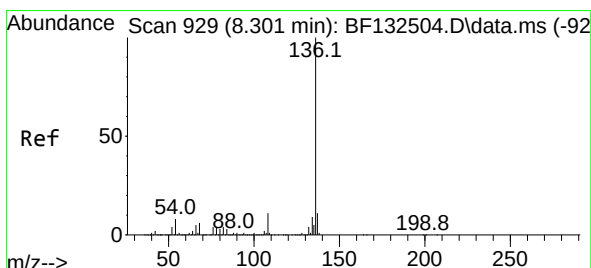
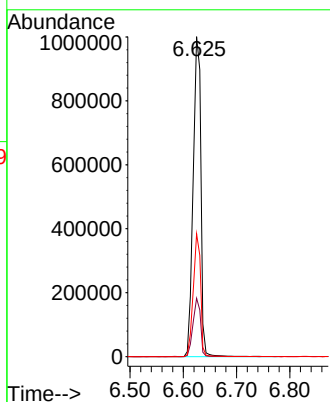
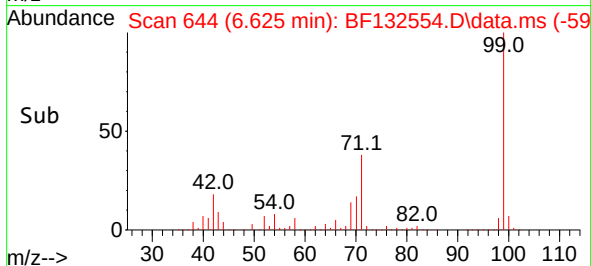
Instrument :
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Tgt Ion: 99 Resp: 1007670
Ion Ratio Lower Upper
99 100
42 18.2 13.9 20.9
71 38.4 28.5 42.7

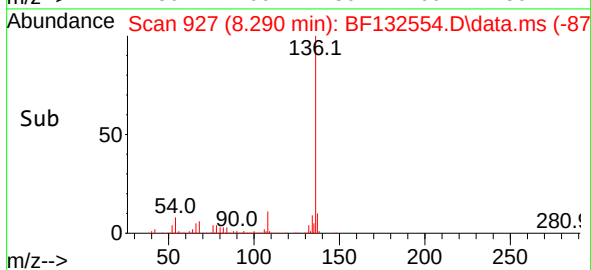
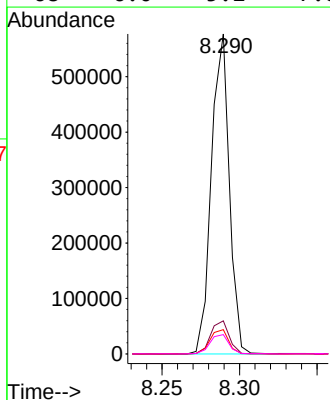
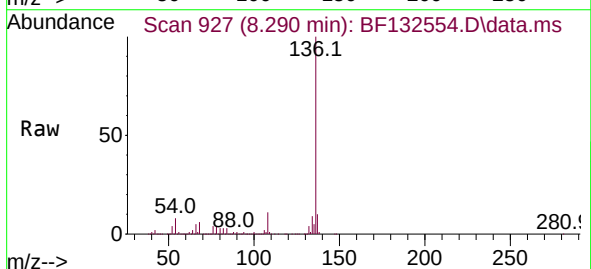
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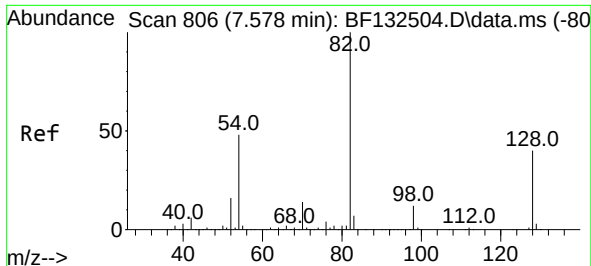
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.290 min Scan# 927
Delta R.T. 0.000 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

Tgt Ion:136 Resp: 465072
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 7.6 6.2 9.4
68 6.0 5.2 7.8





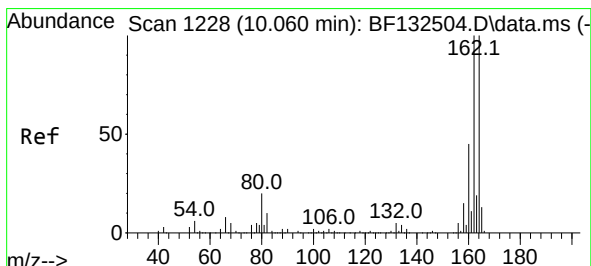
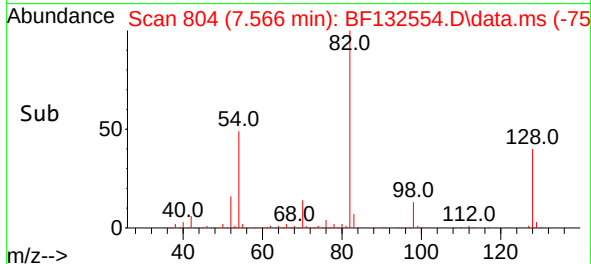
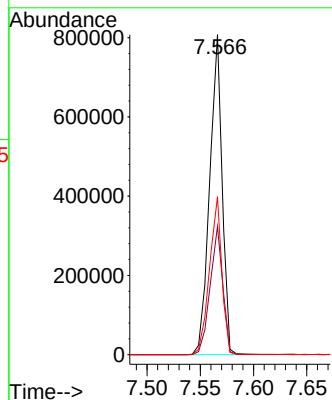
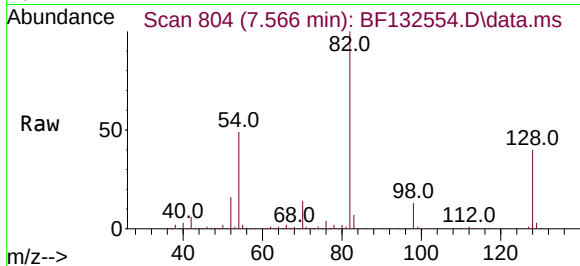
#23
Nitrobenzene-d5
Concen: 67.218 ng
RT: 7.566 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

Instrument :
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Client SampleId :
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Tgt Ion: 82 Resp: 658906
Ion Ratio Lower Upper
82 100
128 40.1 32.2 48.2
54 49.3 38.4 57.6

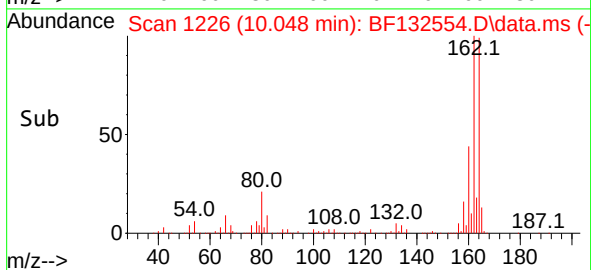
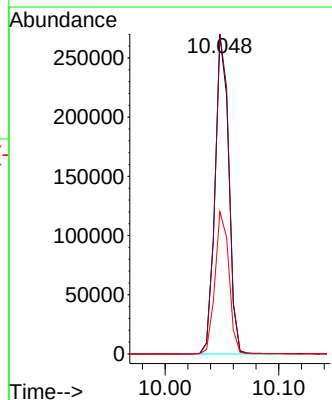
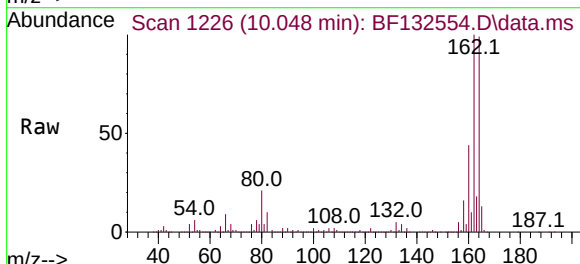
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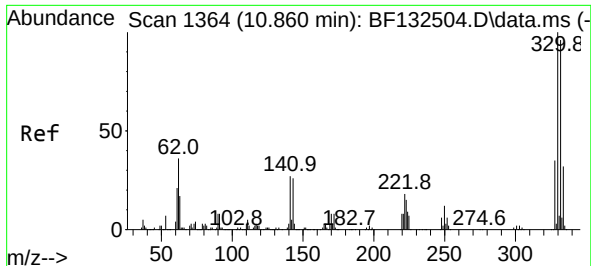
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.048 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

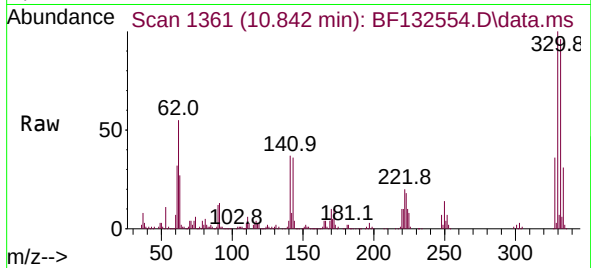
Tgt Ion:164 Resp: 225897
Ion Ratio Lower Upper
164 100
162 100.6 79.8 119.8
160 44.7 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 86.419 ng
RT: 10.842 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

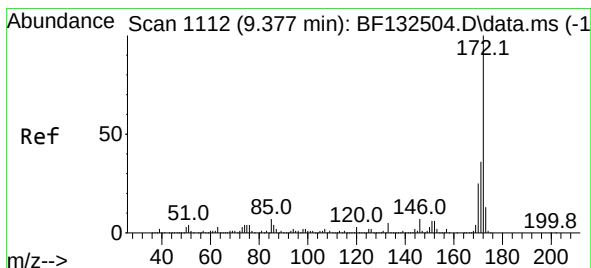
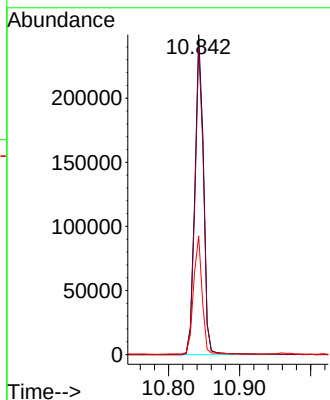
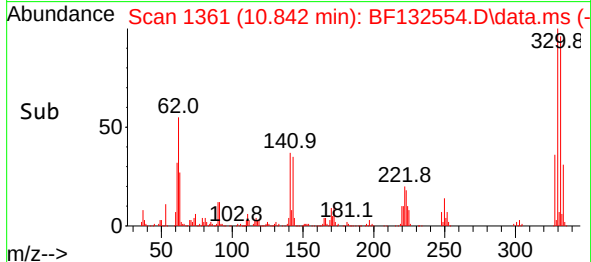
Instrument :
BNA_F
ClientSampleId :
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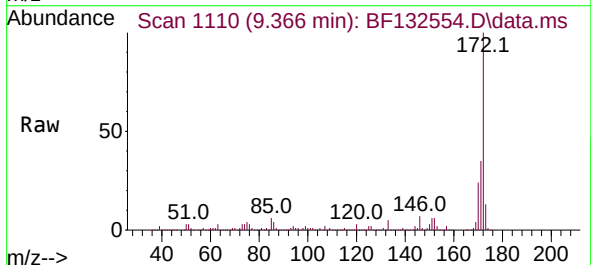
Tgt Ion: 330 Resp: 210827
Ion Ratio Lower Upper
330 100
332 95.6 76.2 114.4
141 37.0 28.4 42.6

Manual Integrations
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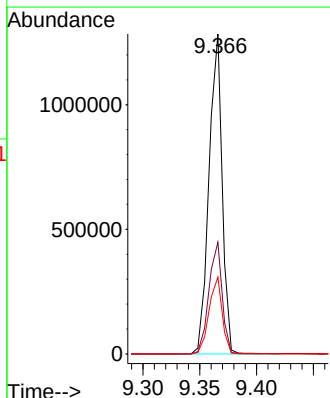
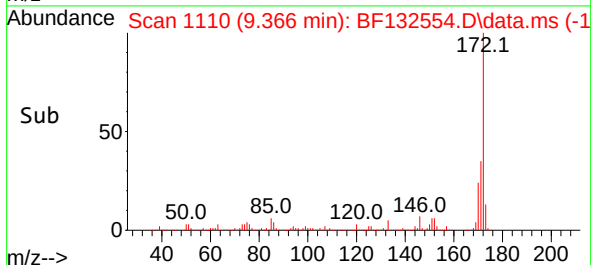
Reviewed By :Yogesh Patel 02/28/2023
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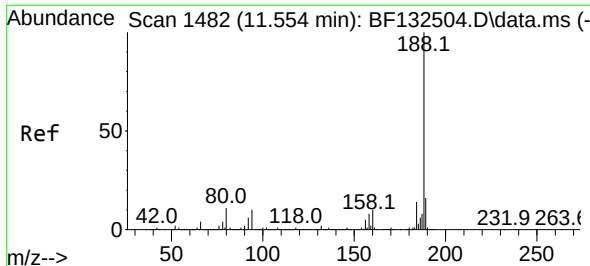


#45
2-Fluorobiphenyl
Concen: 70.065 ng
RT: 9.366 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59



Tgt Ion: 172 Resp: 1039466
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 24.0 19.7 29.5





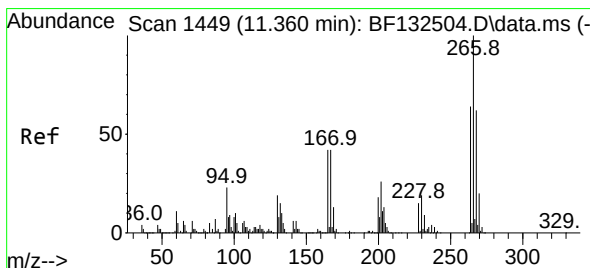
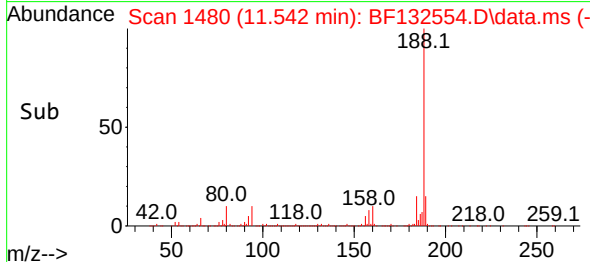
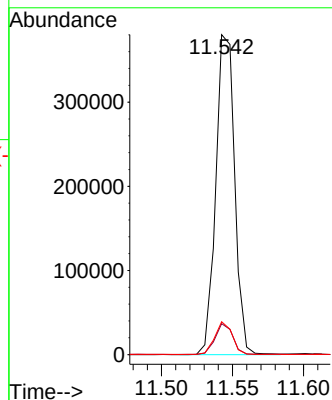
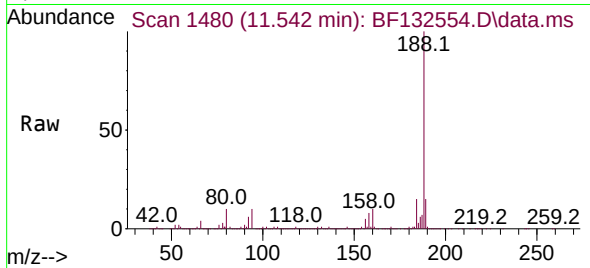
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.542 min Scan# 1482
Delta R.T. -0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

Instrument :
BNA_F
ClientSampleId :
ETGI-352

Tgt Ion:188 Resp: 352268
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 10.3 8.7 13.1

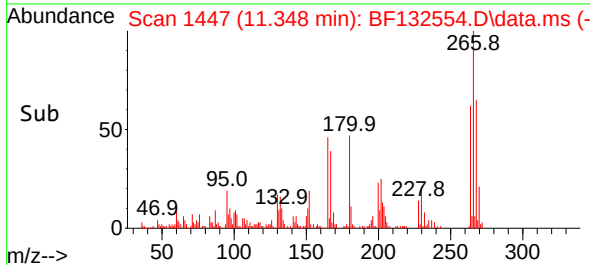
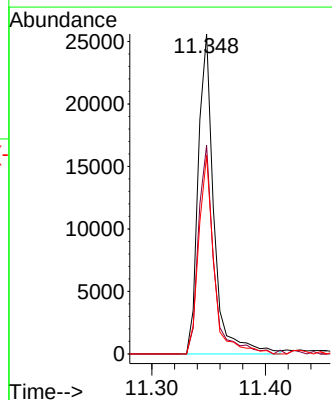
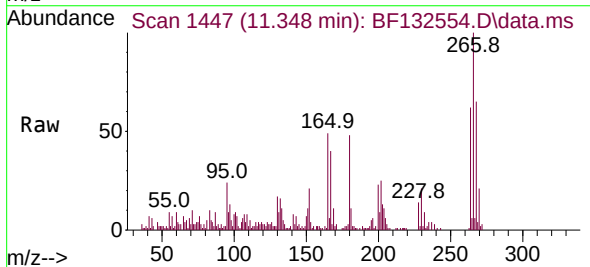
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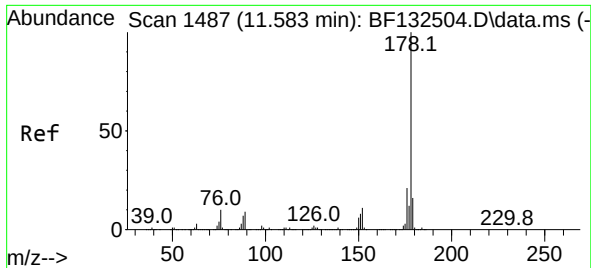
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#70
Pentachlorophenol
Concen: 9.826 ng
RT: 11.348 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

Tgt Ion:266 Resp: 24513
Ion Ratio Lower Upper
266 100
268 65.2 49.8 74.6
264 62.1 50.9 76.3





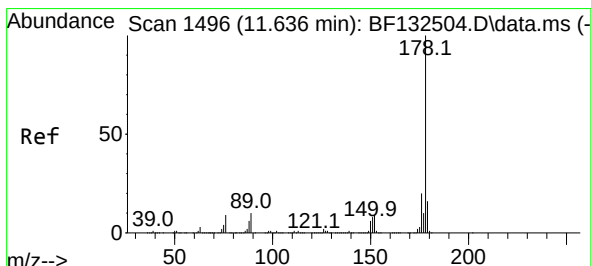
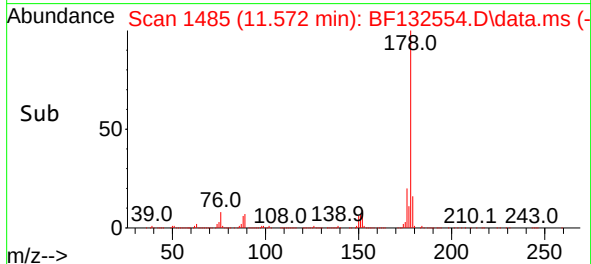
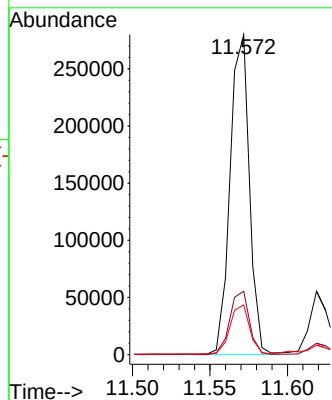
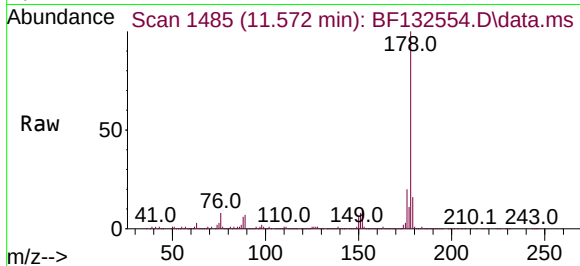
#71
Phenanthrene
Concen: 13.238 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

Instrument :
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ClientSampleId :
ETGI-352

Tgt Ion:178 Resp: 241586
Ion Ratio Lower Upper
178 100
176 19.8 16.5 24.7
179 15.6 13.0 19.6

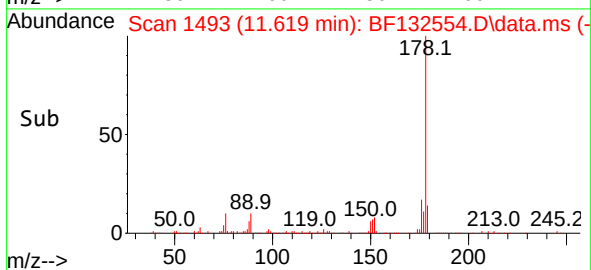
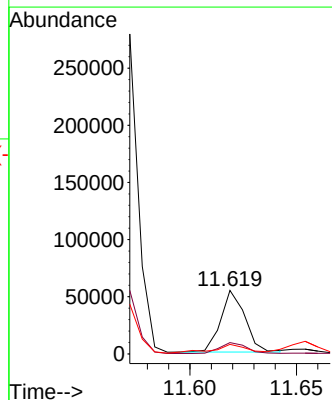
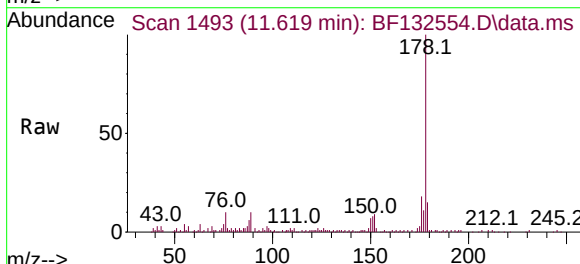
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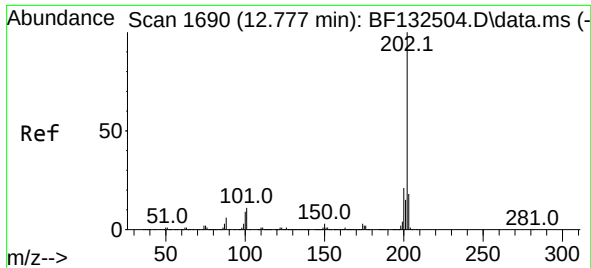
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#72
Anthracene
Concen: 2.292 ng
RT: 11.619 min Scan# 1493
Delta R.T. -0.012 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

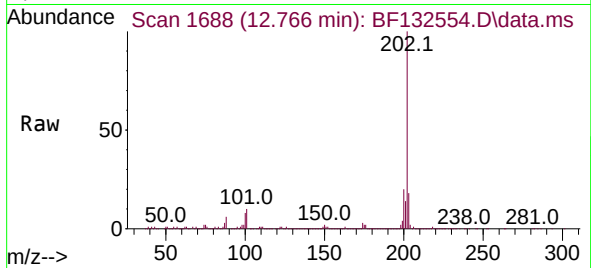
Tgt Ion:178 Resp: 43080
Ion Ratio Lower Upper
178 100
176 17.8 15.6 23.4
179 15.0 12.5 18.7





#75
Fluoranthene
Concen: 23.912 ng
RT: 12.766 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

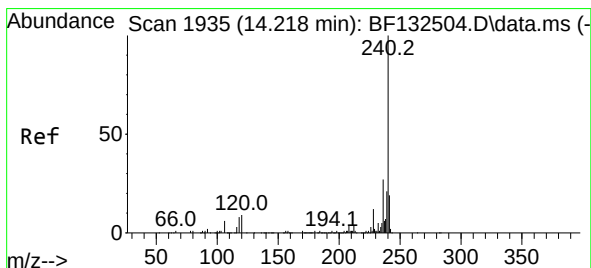
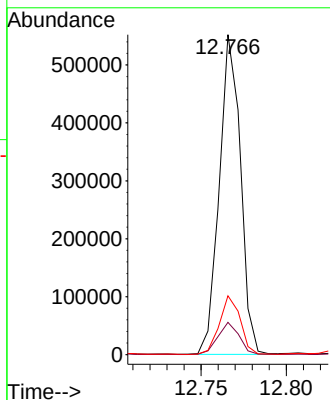
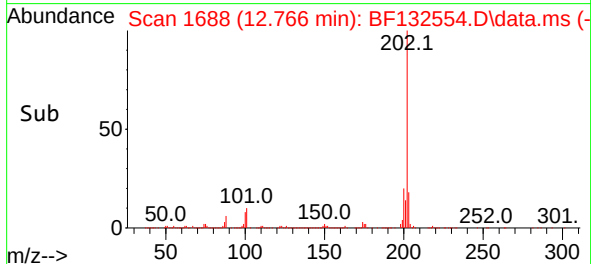
Instrument :
BNA_F
ClientSampleId :
ETGI-352



Tgt Ion:202 Resp: 477056
Ion Ratio Lower Upper
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101 10.1 0.0 31.4
203 18.4 0.0 38.0

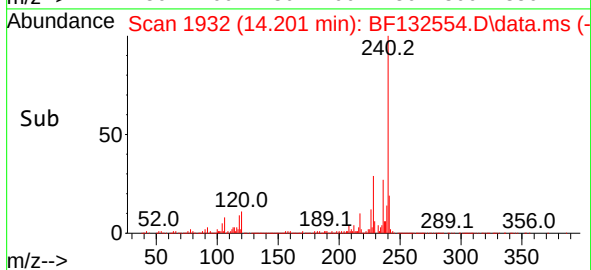
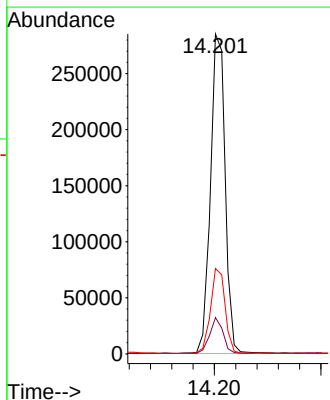
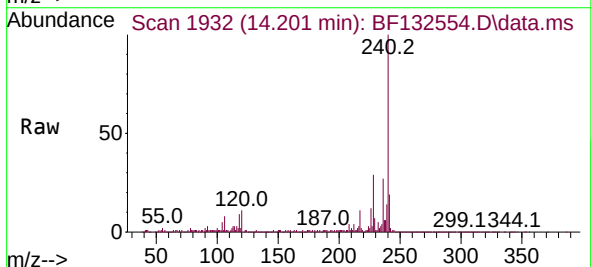
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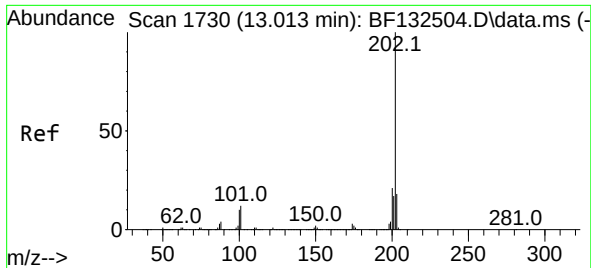
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.201 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

Tgt Ion:240 Resp: 273318
Ion Ratio Lower Upper
240 100
120 11.3 7.2 10.8#
236 26.7 21.8 32.6





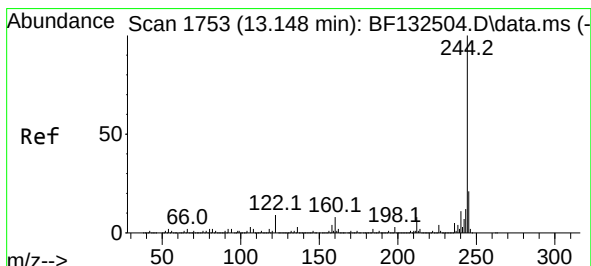
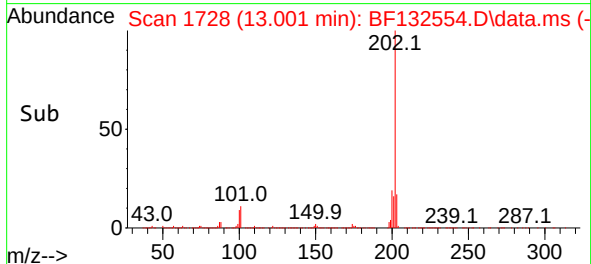
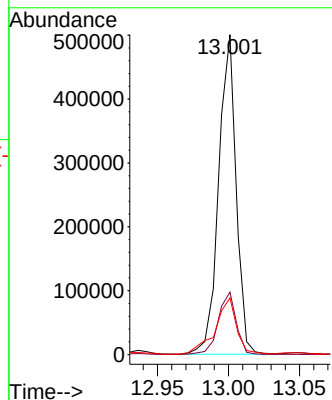
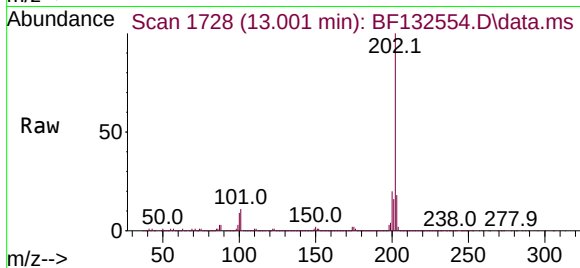
#78
Pyrene
Concen: 17.307 ng
RT: 13.001 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

Instrument :
BNA_F
ClientSampleId :
ETGI-352

Tgt Ion:202 Resp: 430072
Ion Ratio Lower Upper
202 100
200 19.5 17.1 25.7
203 17.7 14.6 21.8

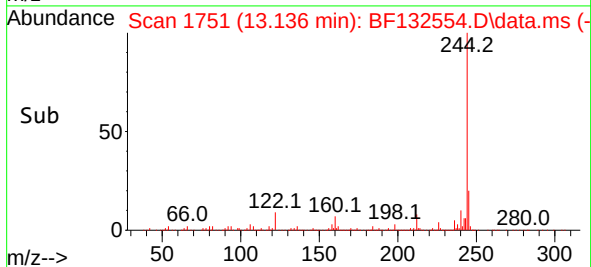
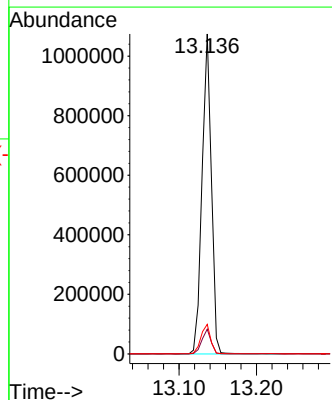
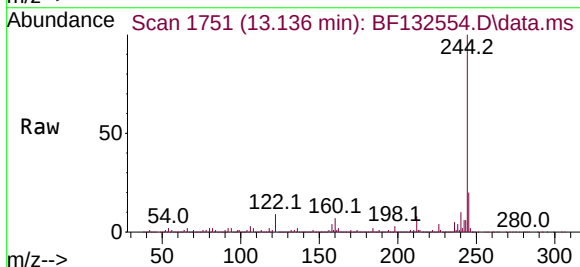
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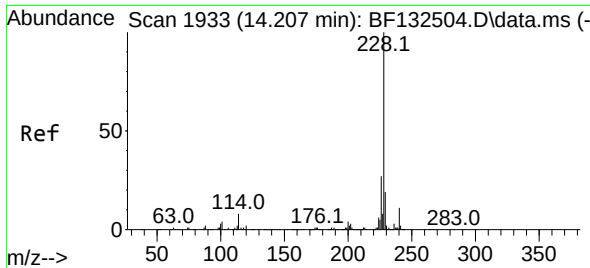
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#79
Terphenyl-d14
Concen: 55.374 ng
RT: 13.136 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

Tgt Ion:244 Resp: 895158
Ion Ratio Lower Upper
244 100
212 7.7 6.5 9.7
122 9.2 7.5 11.3





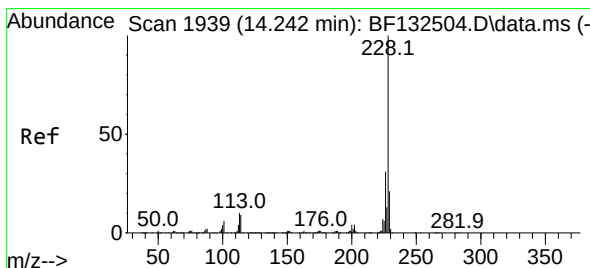
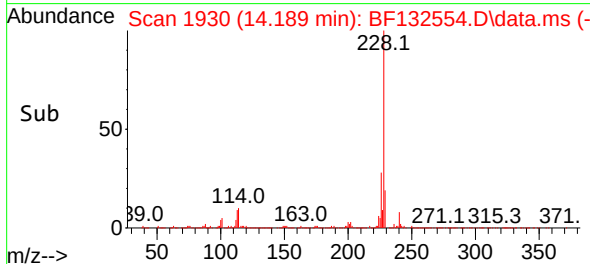
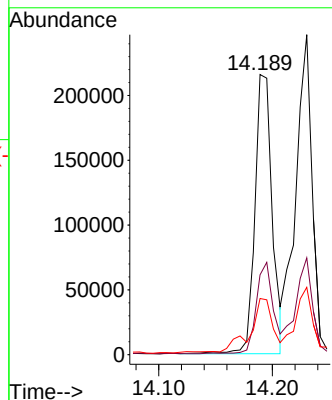
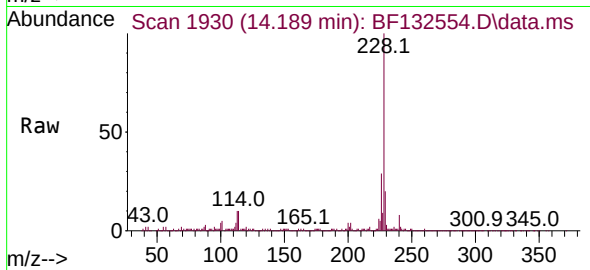
#81
Benzo(a)anthracene
Concen: 11.145 ng
RT: 14.189 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

Instrument :
BNA_F
ClientSampleId :
ETGI-352

Tgt Ion:228 Resp: 227913
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 20.0 15.4 23.2

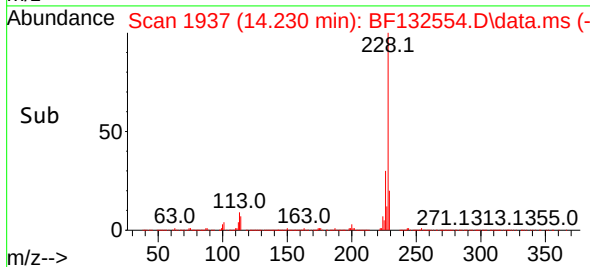
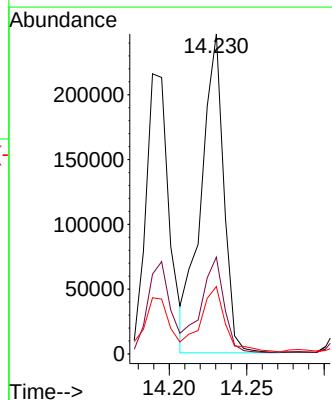
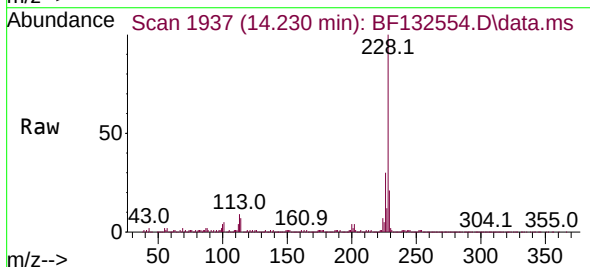
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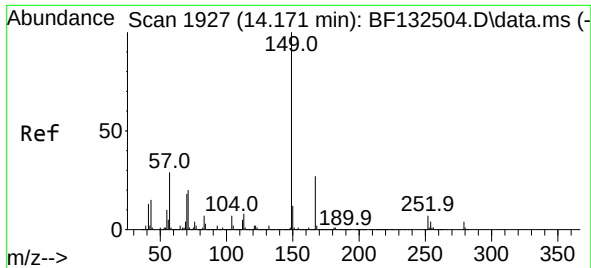
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#83
Chrysene
Concen: 13.090 ng
RT: 14.230 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

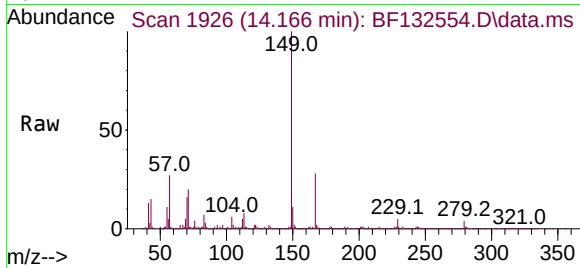
Tgt Ion:228 Resp: 250327
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 21.0 16.4 24.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 16.124 ng
RT: 14.166 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

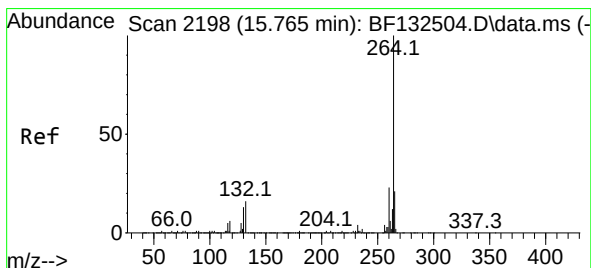
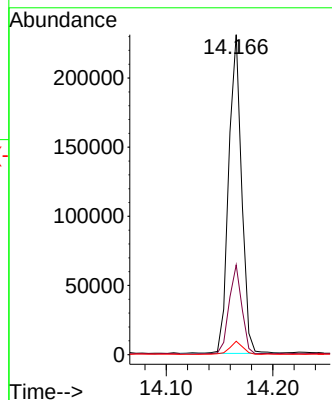
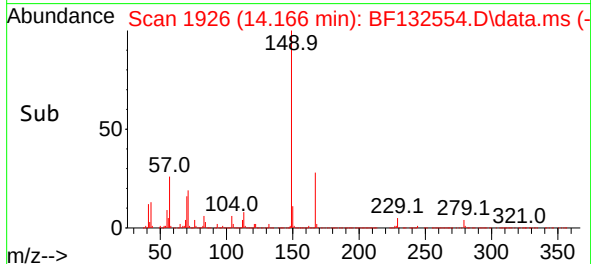
Instrument :
BNA_F
ClientSampleId :
ETGI-352



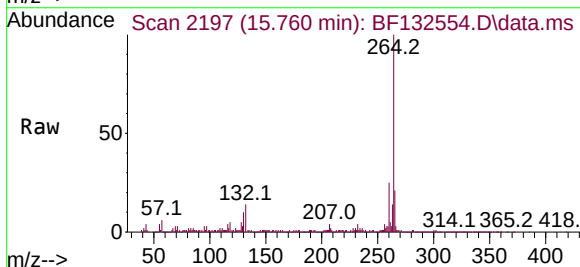
Tgt Ion:149 Resp: 194233
Ion Ratio Lower Upper
149 100
167 28.0 21.8 32.6
279 4.2 3.0 4.6

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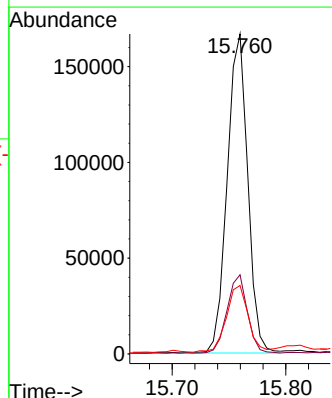
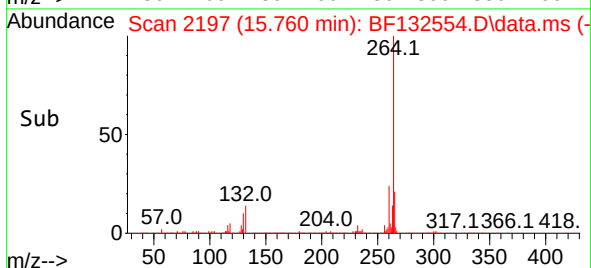
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023

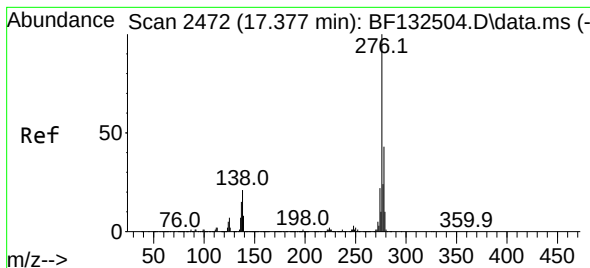


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.760 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59



Tgt Ion:264 Resp: 209042
Ion Ratio Lower Upper
264 100
260 24.7 18.8 28.2
265 21.4 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.129 ng

RT: 17.354 min Scan# 2468

Delta R.T. -0.006 min

Lab File: BF132554.D

Acq: 27 Feb 2023 15:59

Instrument :

BNA_F

ClientSampleId :

ETGI-352

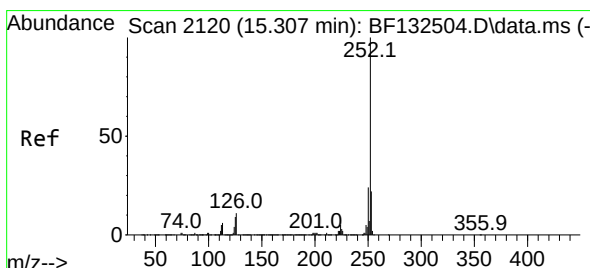
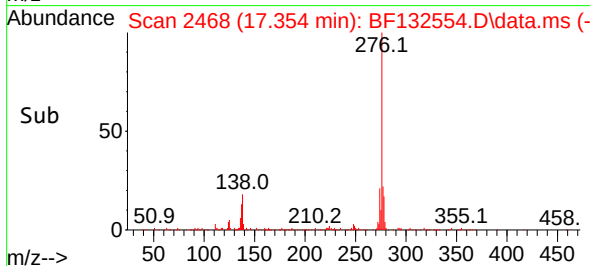
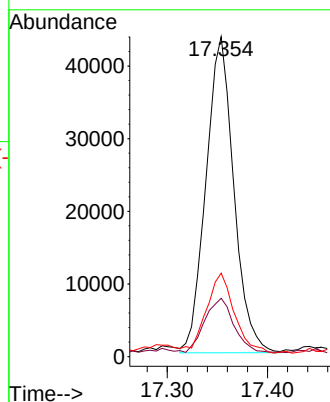
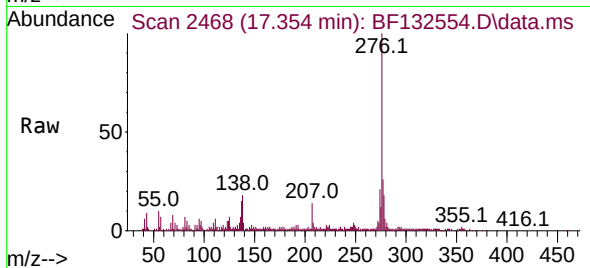
Tgt Ion:276 Resp: 83951
 Ion Ratio Lower Upper
 276 100
 138 18.1 19.0 28.4
 277 25.6 20.0 30.0

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2023

Supervised By :Jagrut Upadhyay 02/28/2023



#88

Benzo(b)fluoranthene

Concen: 19.535 ng m

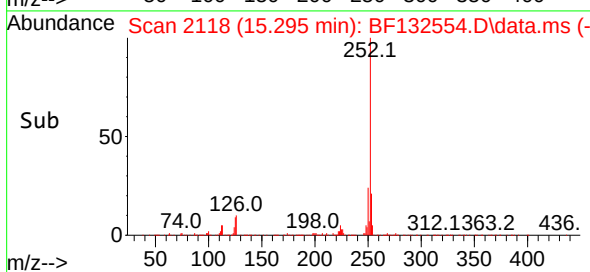
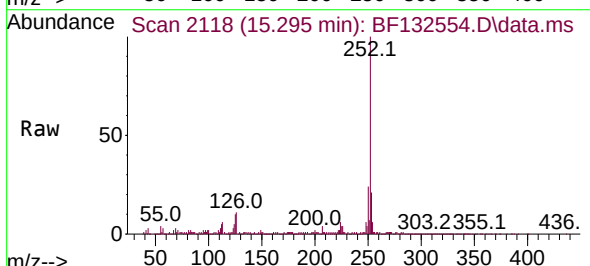
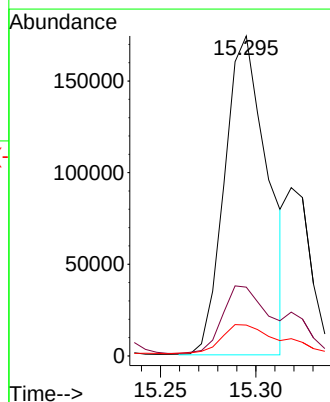
RT: 15.295 min Scan# 2118

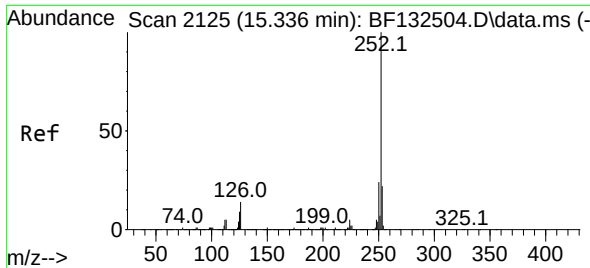
Delta R.T. 0.000 min

Lab File: BF132554.D

Acq: 27 Feb 2023 15:59

Tgt Ion:252 Resp: 273672
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.4 26.0
 125 9.6 7.0 10.6





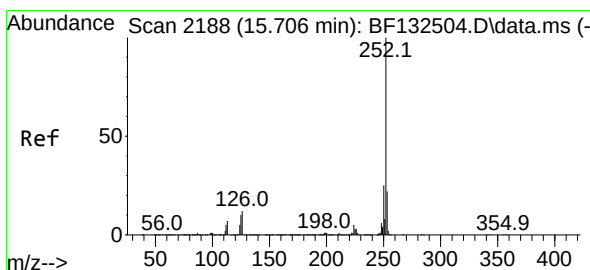
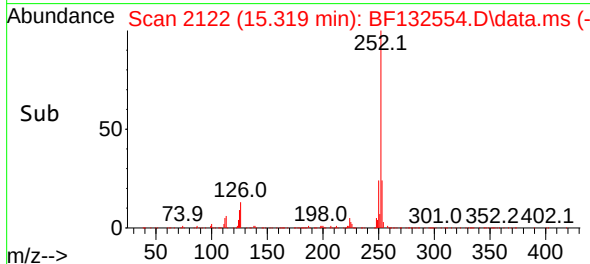
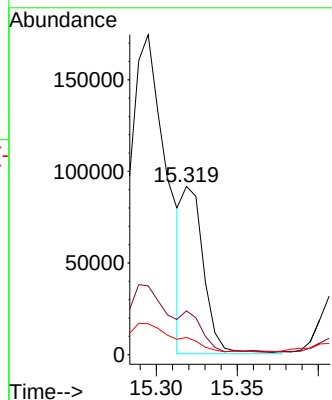
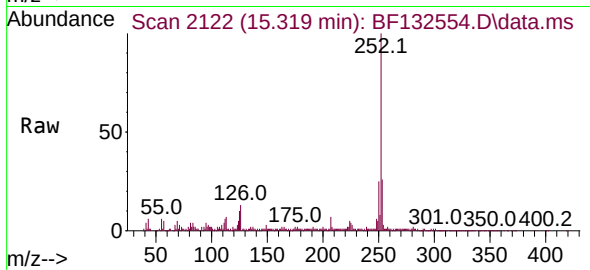
#89
Benzo(k)fluoranthene
Concen: 6.124 ng m
RT: 15.319 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

Instrument :
BNA_F
ClientSampleId :
ETGI-352

Tgt Ion:252 Resp: 83962
Ion Ratio Lower Upper
252 100
253 26.0 17.5 26.3
125 10.2 7.2 10.8

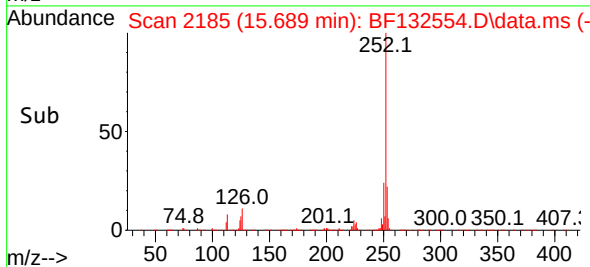
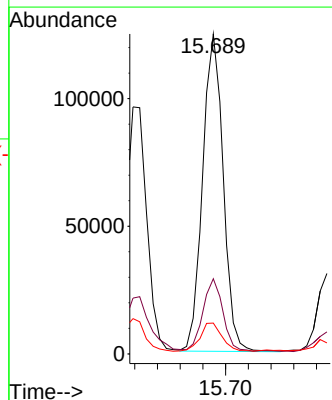
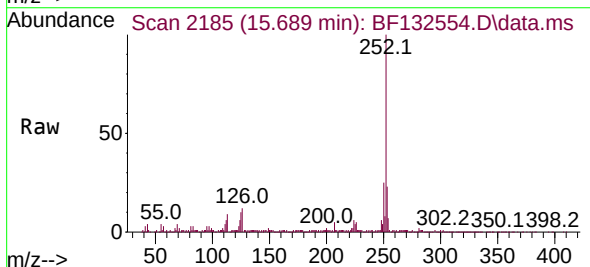
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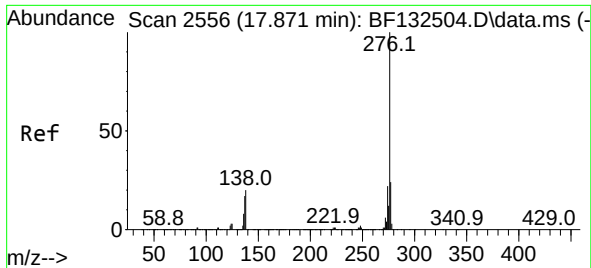
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#90
Benzo(a)pyrene
Concen: 11.952 ng
RT: 15.689 min Scan# 2185
Delta R.T. 0.000 min
Lab File: BF132554.D
Acq: 27 Feb 2023 15:59

Tgt Ion:252 Resp: 156707
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 9.7 8.0 12.0





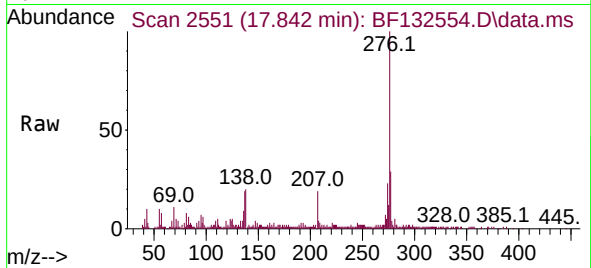
#92
 Benzo(g,h,i)perylene
 Concen: 7.894 ng
 RT: 17.842 min Scan# 2551
 Delta R.T. -0.012 min
 Lab File: BF132554.D
 Acq: 27 Feb 2023 15:59

Instrument :

BNA_F

ClientSampleId :

ETGI-352



Tgt Ion:276 Resp: 81963
 Ion Ratio Lower Upper
 276 100
 277 29.3 18.9 28.3
 138 20.1 16.2 24.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2023

Supervised By :Jagrut Upadhyay 02/28/2023

