

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
 Data File : BF136262.D
 Acq On : 28 Nov 2023 22:08
 Operator : CG\JU
 Sample : 05516-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-343

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Nov 29 00:50:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	123195	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	483553	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	202009	20.000	ng	-0.01
64) Phenanthrene-d10	11.328	188	284429	20.000	ng	0.00
76) Chrysene-d12	13.980	240	250610	20.000	ng	-0.01
86) Perylene-d12	15.463	264	230197	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	528483	59.708	ng	0.00
7) Phenol-d6	6.434	99	642719	58.074	ng	-0.01
23) Nitrobenzene-d5	7.363	82	388483	42.454	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	117102	47.415	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	718559	45.435	ng	-0.01
79) Terphenyl-d14	12.922	244	561528	25.846	ng	-0.01
Target Compounds						Qvalue
55) Dibenzofuran	10.039	168	54254	2.922	ng	# 97
58) Fluorene	10.386	166	60016	4.121	ng	92
71) Phenanthrene	11.351	178	278801	17.440	ng	97
75) Fluoranthene	12.545	202	217079	13.376	ng	95
78) Pyrene	12.774	202	151526	5.521	ng	95
81) Benzo(a)anthracene	13.969	228	53452m	2.872	ng	
83) Chrysene	14.004	228	54369	3.025	ng	# 93
85) Di-n-octyl phthalate	14.627	149	64121m	8.599	ng	
87) Indeno(1,2,3-cd)pyrene	16.957	276	12049m	3.340	ng	
88) Benzo(b)fluoranthene	15.027	252	52937m	3.278	ng	
91) Dibenzo(a,h)anthracene	16.974	278	3198	2.932	ng	# 80
92) Benzo(g,h,i)perylene	17.404	276	9807	2.580	ng	# 84

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

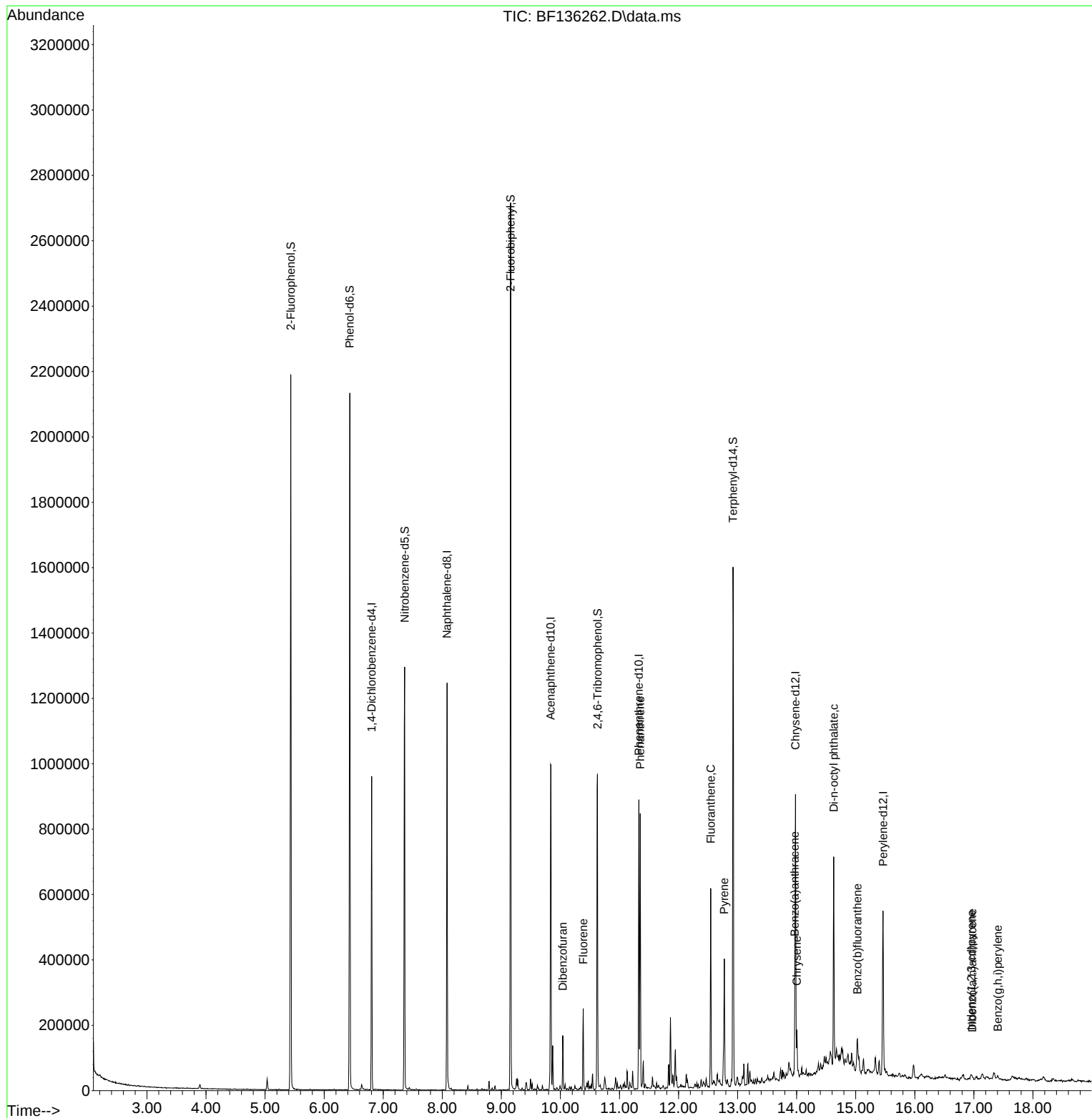
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
Data File : BF136262.D
Acq On : 28 Nov 2023 22:08
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Sample : 05516-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

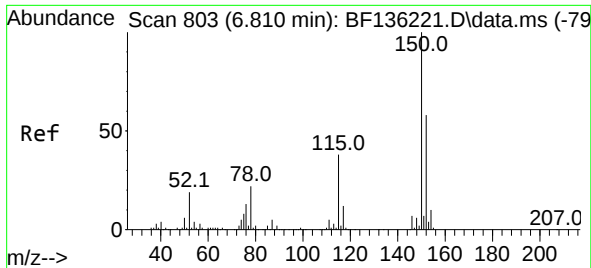
Instrument :
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Quant Time: Nov 29 00:50:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
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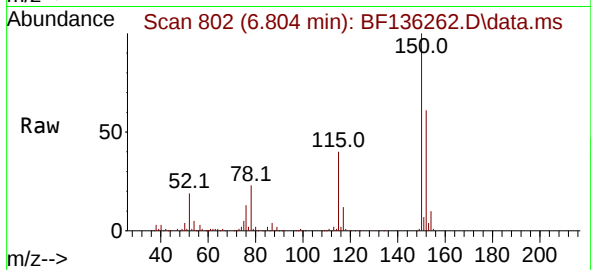
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

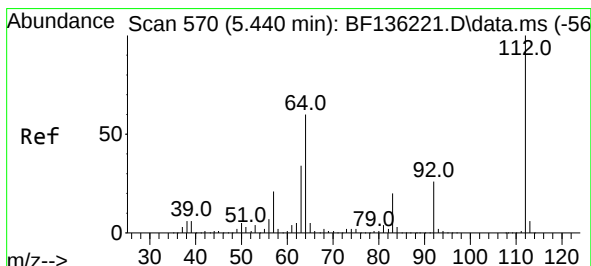
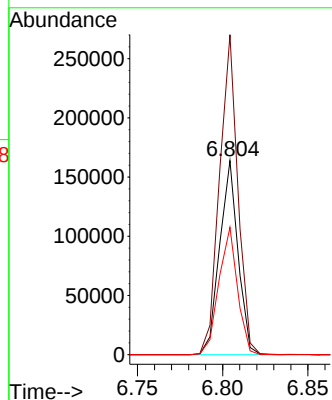
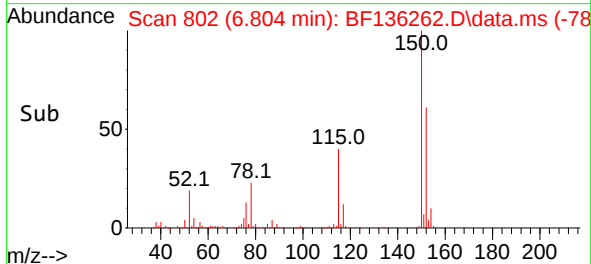
Instrument :
BNA_F
ClientSampleId :
ETGI-343



Tgt Ion:152 Resp: 12319
Ion Ratio Lower Upper
152 100
150 164.9 137.8 206.8
115 65.7 52.7 79.1

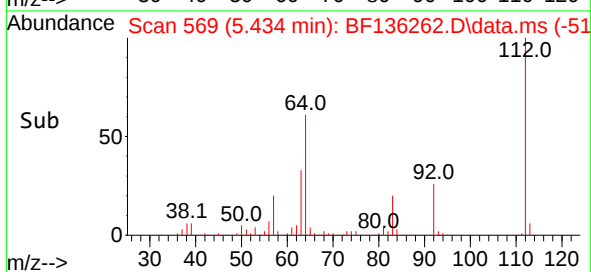
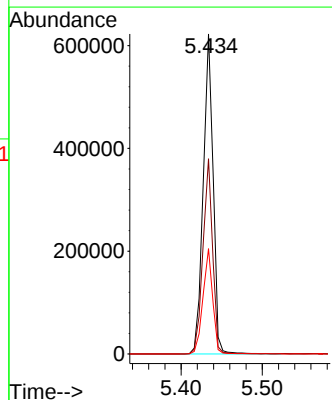
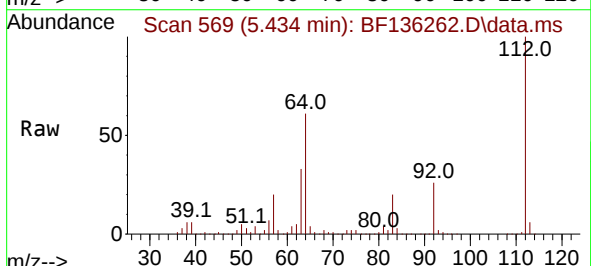
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#5
2-Fluorophenol
Concen: 59.708 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

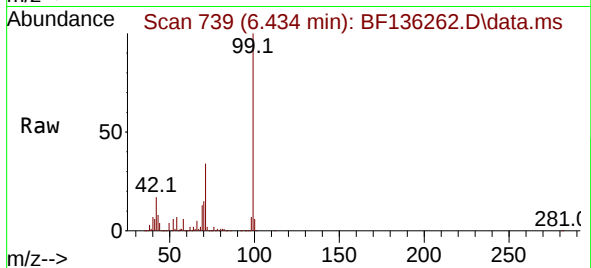
Tgt Ion:112 Resp: 528483
Ion Ratio Lower Upper
112 100
64 61.0 48.2 72.4
63 32.9 27.0 40.6





#7
Phenol-d6
Concen: 58.074 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

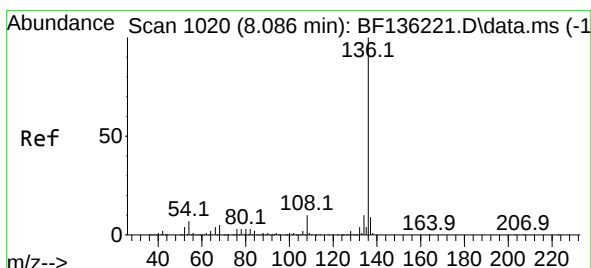
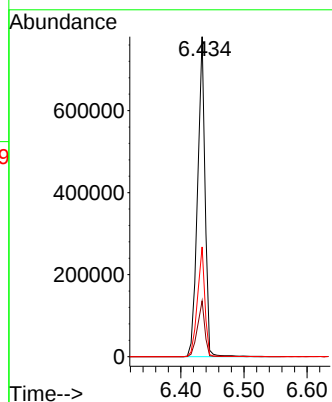
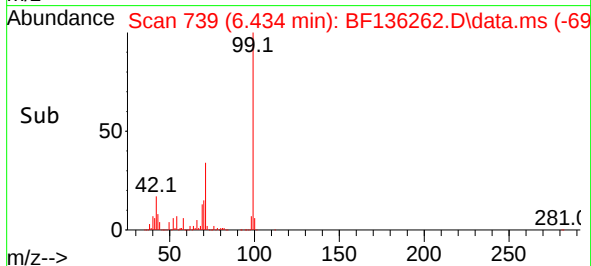
Instrument :
BNA_F
ClientSampleId :
ETGI-343



Tgt Ion: 99 Resp: 642719
Ion Ratio Lower Upper
99 100
42 17.4 15.0 22.6
71 34.3 28.9 43.3

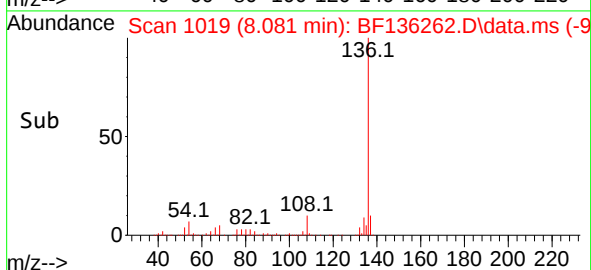
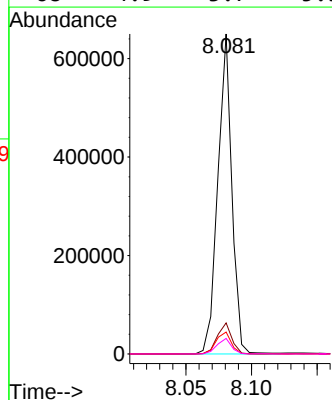
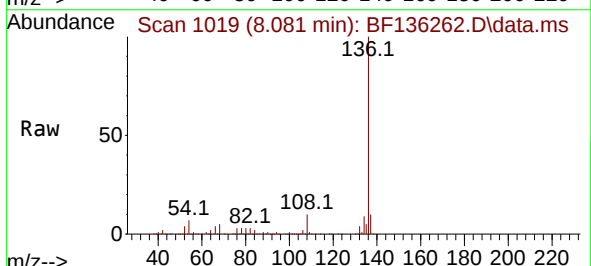
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

Tgt Ion:136 Resp: 483553
Ion Ratio Lower Upper
136 100
137 9.7 7.4 11.2
54 6.9 5.5 8.3
68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 42.454 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136262.D

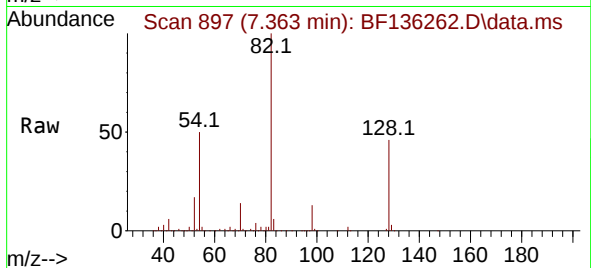
Acq: 28 Nov 2023 22:08

Instrument :

BNA_F

ClientSampleId :

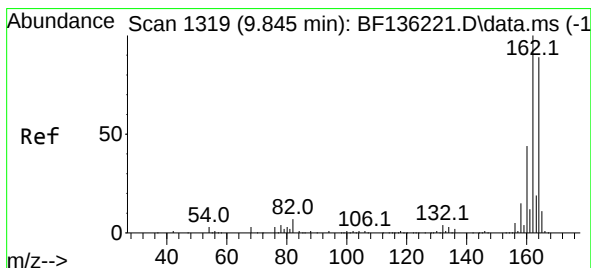
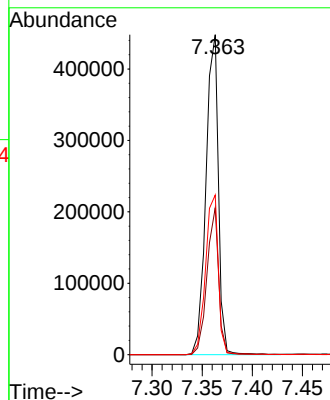
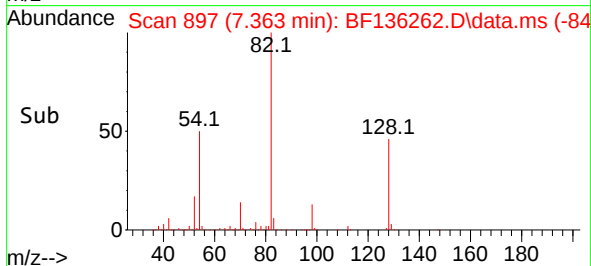
ETGI-343



Tgt Ion:	82	Resp:	38848
Ion Ratio	Lower	Upper	
82	100		
128	45.9	33.4	50.2
54	49.9	41.7	62.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

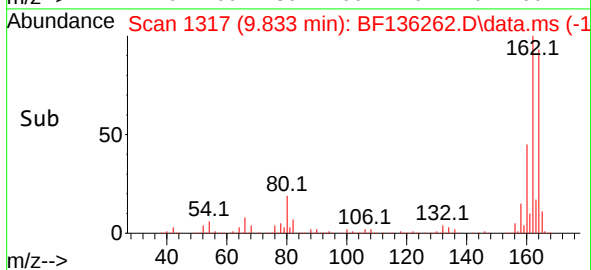
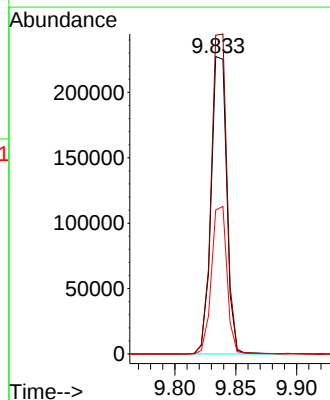
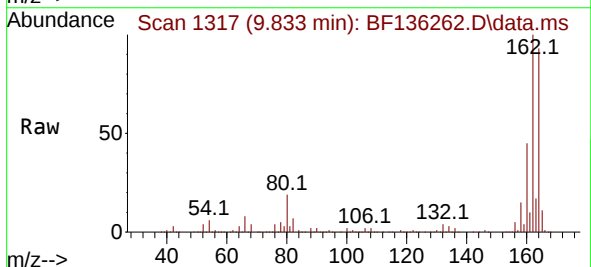
RT: 9.833 min Scan# 1317

Delta R.T. -0.012 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

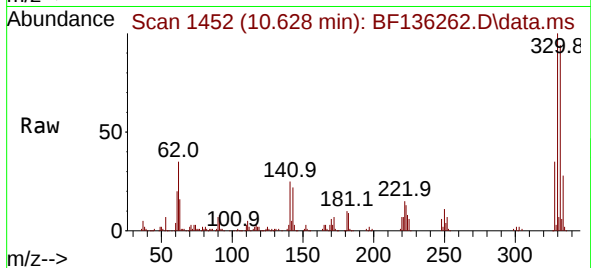
Tgt Ion:	164	Resp:	202009
Ion Ratio	Lower	Upper	
164	100		
162	107.1	89.5	134.3
160	48.4	39.6	59.4





#42
2,4,6-Tribromophenol
Concen: 47.415 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

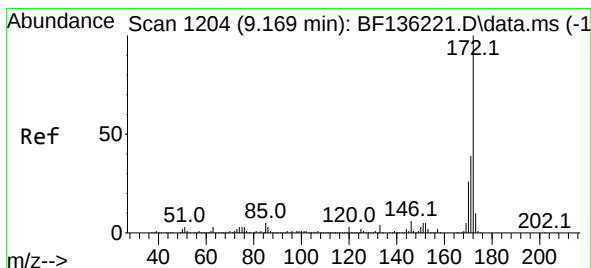
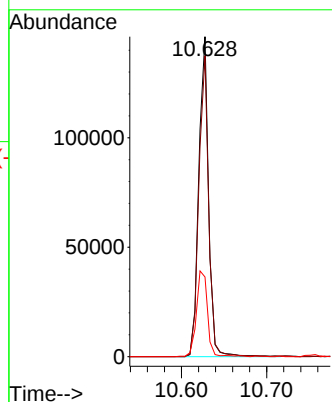
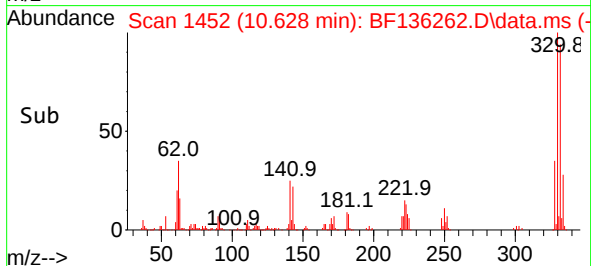
Instrument :
BNA_F
ClientSampleId :
ETGI-343



Tgt Ion:330 Resp: 11710
Ion Ratio Lower Upper
330 100
332 94.5 73.0 109.6
141 30.3 24.2 36.2

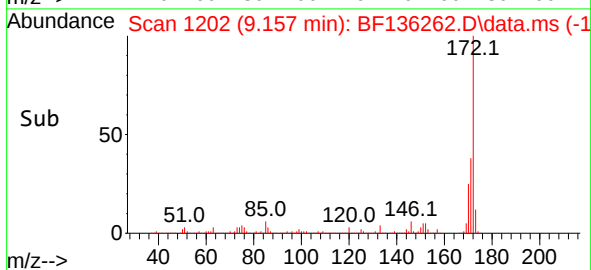
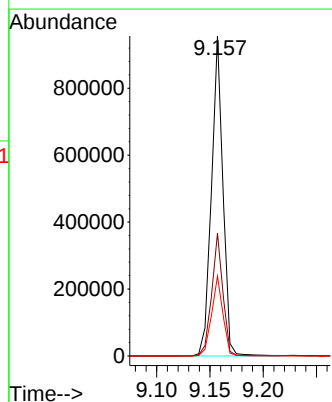
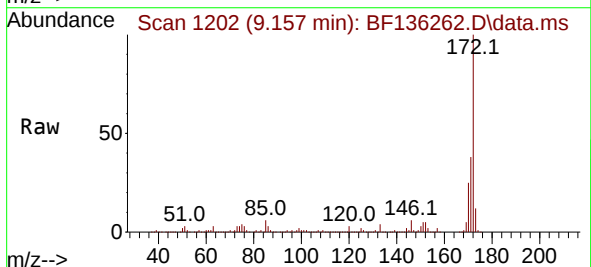
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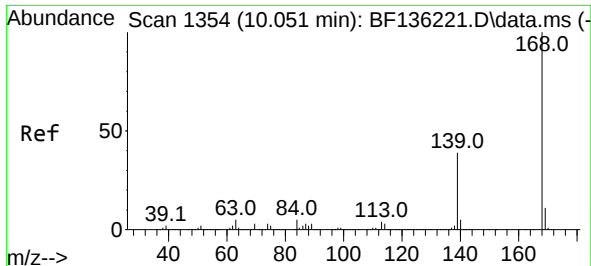
Reviewed By :Yogesh Patel 11/29/2023
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#45
2-Fluorobiphenyl
Concen: 45.435 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

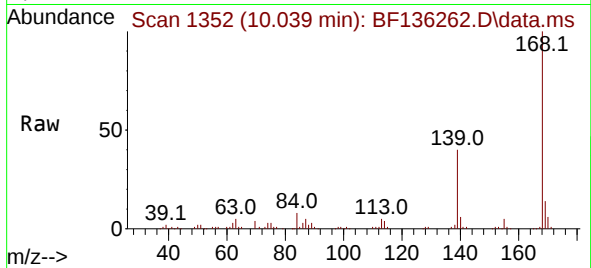
Tgt Ion:172 Resp: 718559
Ion Ratio Lower Upper
172 100
171 38.3 31.5 47.3
170 25.0 20.8 31.2





#55
Dibenzenofuran
Concen: 2.922 ng
RT: 10.039 min Scan# 1354
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

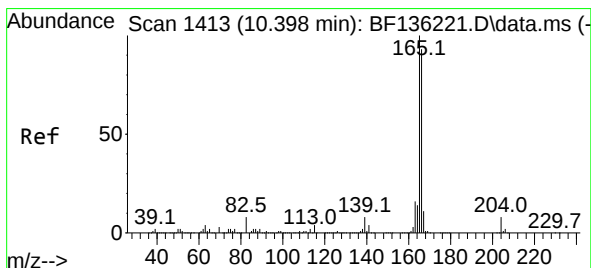
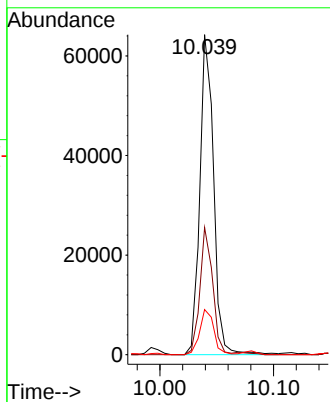
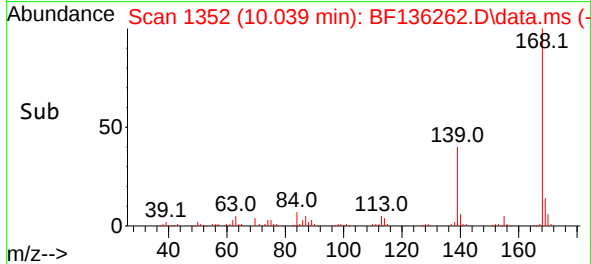
Instrument :
BNA_F
ClientSampleId :
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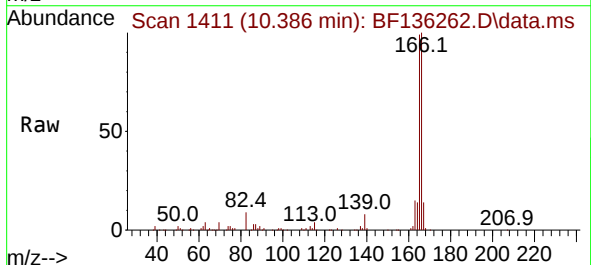
Tgt Ion:168 Resp: 54254
Ion Ratio Lower Upper
168 100
139 39.7 30.9 46.3
169 14.1 9.1 13.7

Manual Integrations
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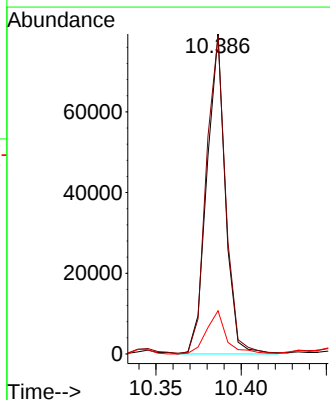
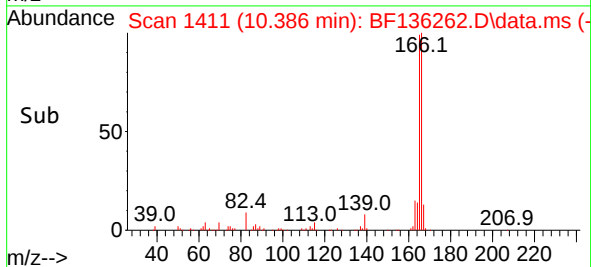
Reviewed By :Yogesh Patel 11/29/2023
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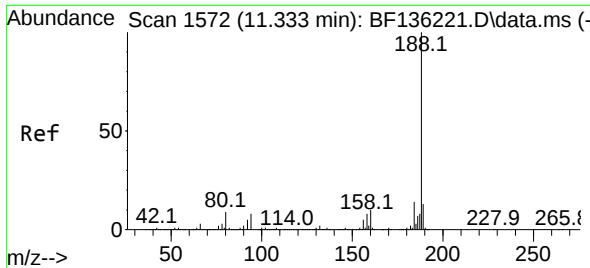


#58
Fluorene
Concen: 4.121 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08



Tgt Ion:166 Resp: 60016
Ion Ratio Lower Upper
166 100
165 99.5 86.2 129.4
167 13.5 9.1 13.7





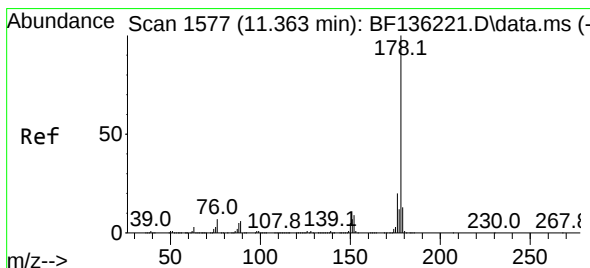
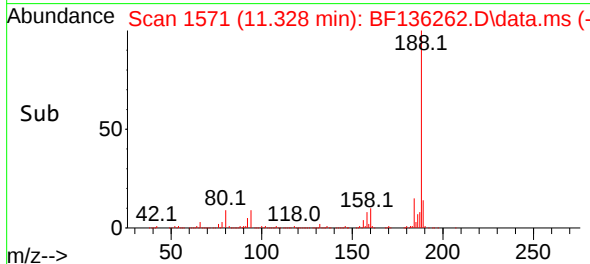
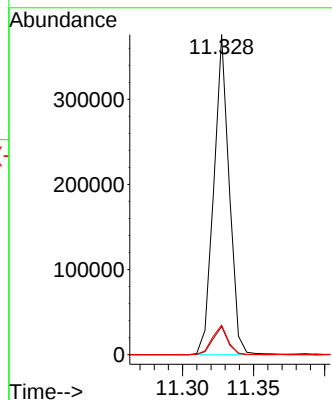
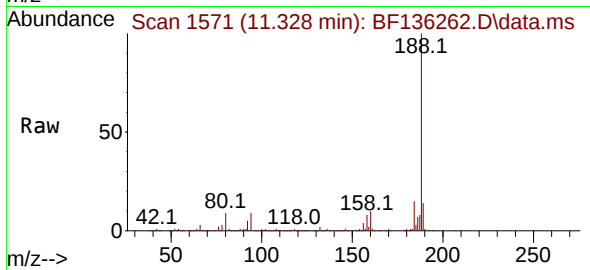
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

Instrument :
BNA_F
ClientSampleId :
ETGI-343

Tgt Ion:188 Resp: 284429
Ion Ratio Lower Upper
188 100
94 8.8 6.7 10.1
80 9.2 7.2 10.8

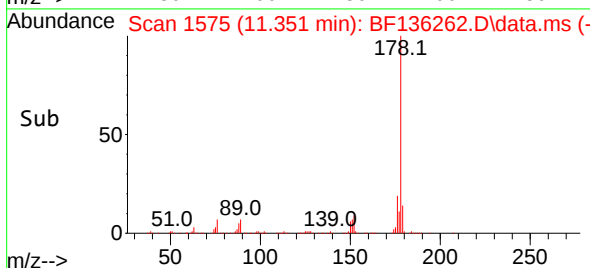
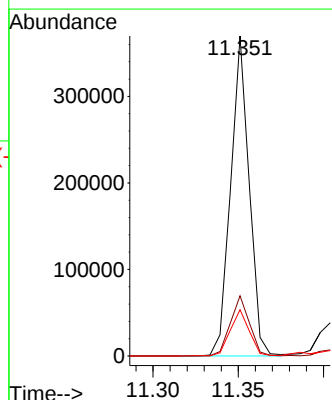
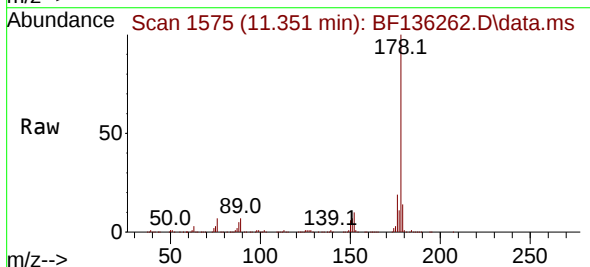
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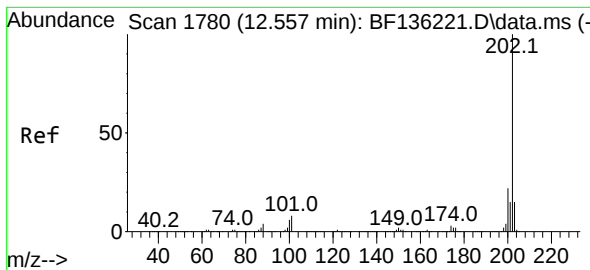
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#71
Phenanthrene
Concen: 17.440 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

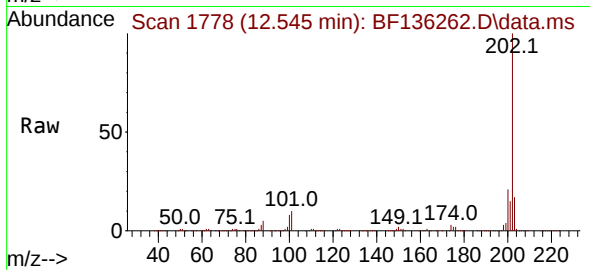
Tgt Ion:178 Resp: 278801
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.2
179 14.5 10.3 15.5





#75
Fluoranthene
Concen: 13.376 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

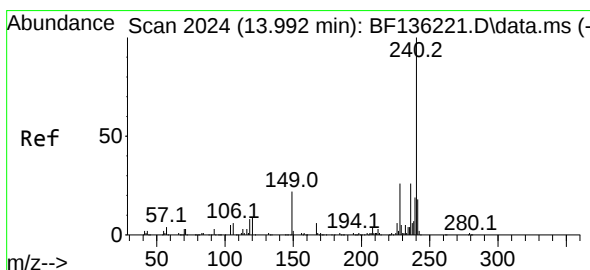
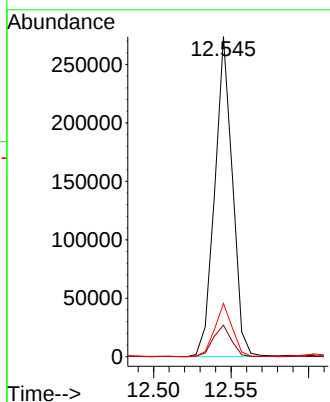
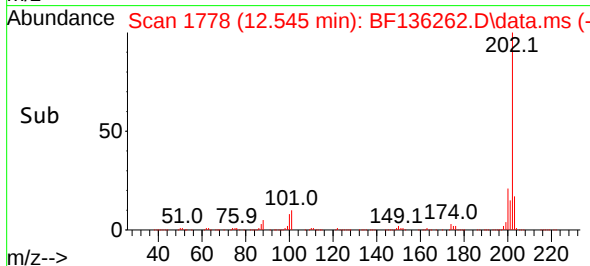
Instrument :
BNA_F
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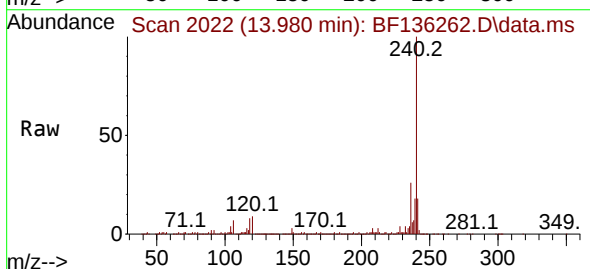
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Ion Ratio Lower Upper
202 100
101 9.8 0.0 27.8
203 16.6 0.0 34.5

Manual Integrations
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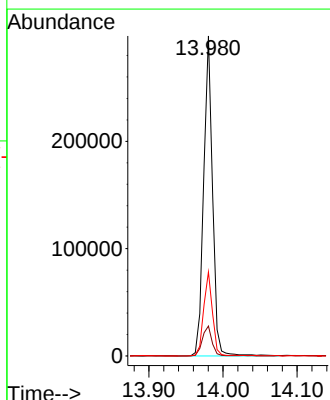
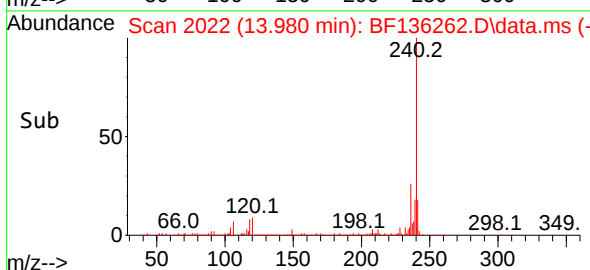
Reviewed By :Yogesh Patel 11/29/2023
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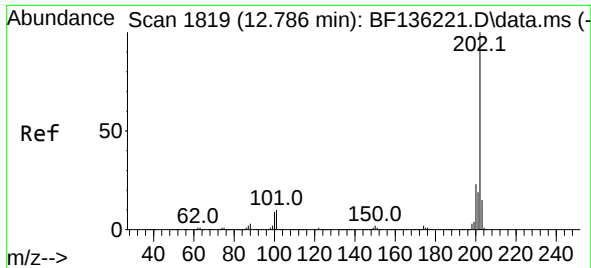


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08



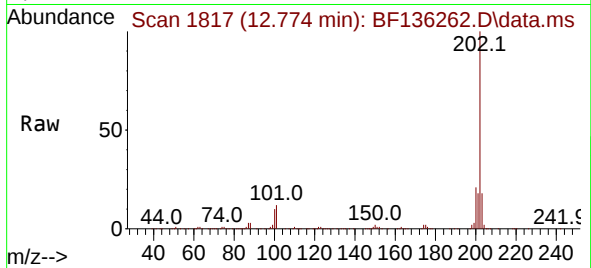
Tgt Ion:240 Resp: 250610
Ion Ratio Lower Upper
240 100
120 9.4 7.4 11.2
236 26.3 21.1 31.7





#78
Pyrene
Concen: 5.521 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

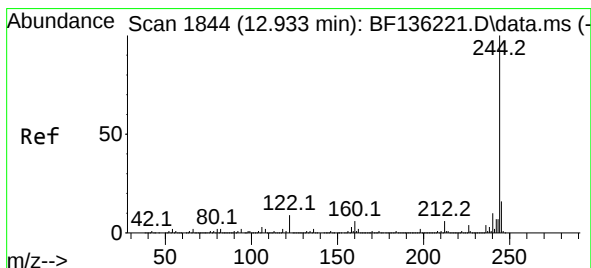
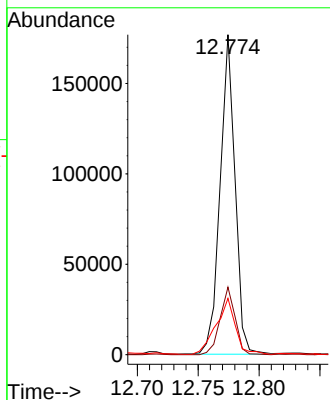
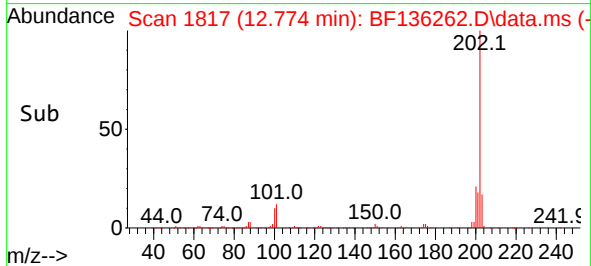
Instrument :
BNA_F
ClientSampleId :
ETGI-343



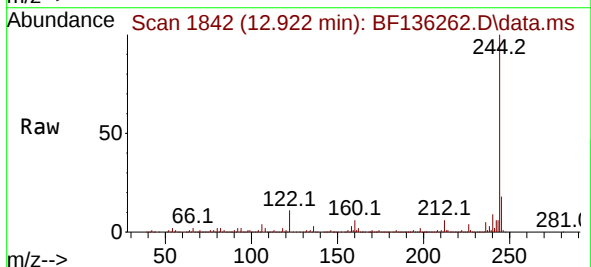
Tgt Ion:202 Resp: 151520
Ion Ratio Lower Upper
202 100
200 21.1 18.4 27.6
203 17.6 11.8 17.6

Manual Integrations
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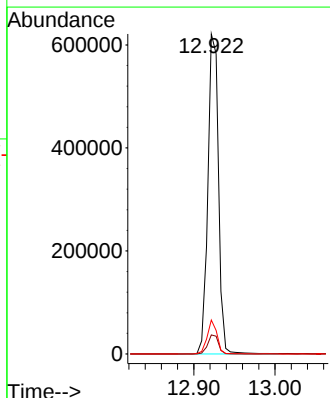
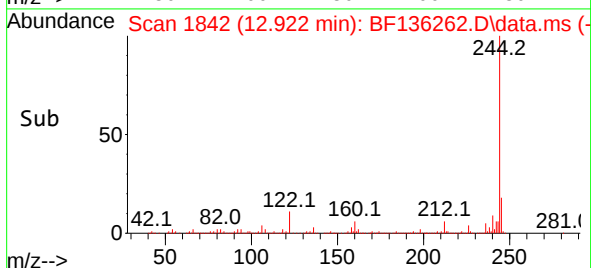
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023

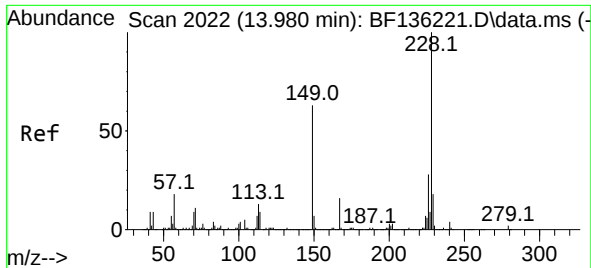


#79
Terphenyl-d14
Concen: 25.846 ng
RT: 12.922 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08



Tgt Ion:244 Resp: 561528
Ion Ratio Lower Upper
244 100
212 5.9 4.6 7.0
122 10.6 7.3 10.9





#81
Benzo(a)anthracene
Concen: 2.872 ng m
RT: 13.969 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

Instrument :

BNA_F

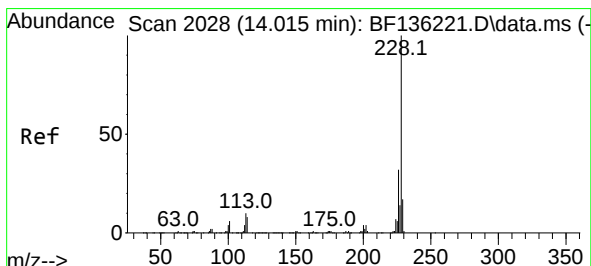
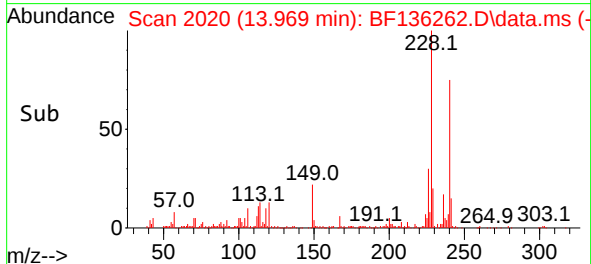
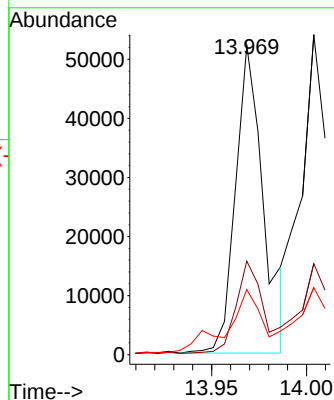
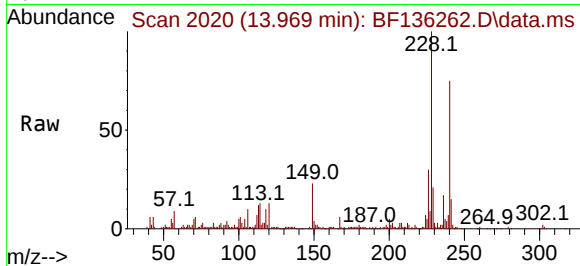
ClientSampleId :

ETGI-343

Tgt Ion:228 Resp: 53452
Ion Ratio Lower Upper
228 100
226 30.2 22.6 34.0
229 21.1 14.0 21.0

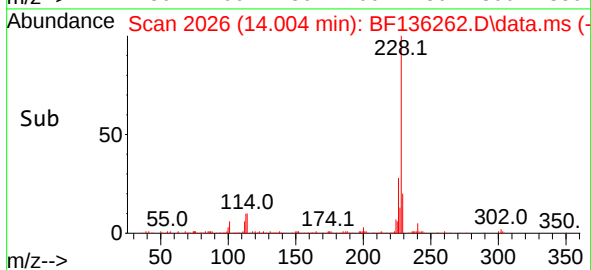
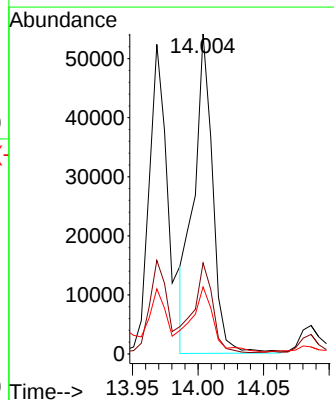
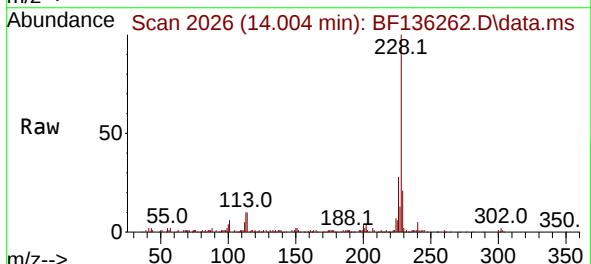
Manual Integrations
APPROVED

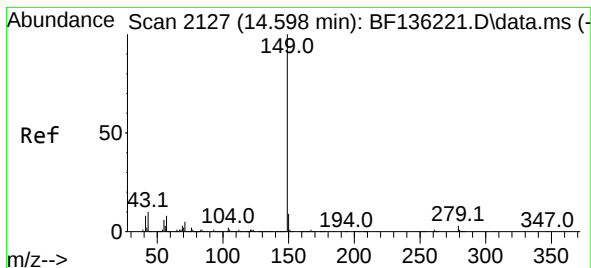
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#83
Chrysene
Concen: 3.025 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

Tgt Ion:228 Resp: 54369
Ion Ratio Lower Upper
228 100
226 28.4 25.5 38.3
229 20.9 13.9 20.9





#85

Di-n-octyl phthalate

Concen: 8.599 ng m

RT: 14.627 min Scan# 2132

Delta R.T. 0.029 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

Instrument :

BNA_F

ClientSampleId :

ETGI-343

Tgt Ion:149 Resp: 6412

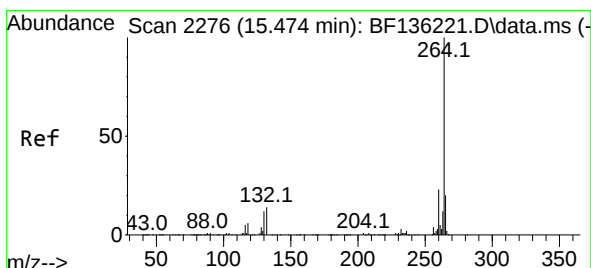
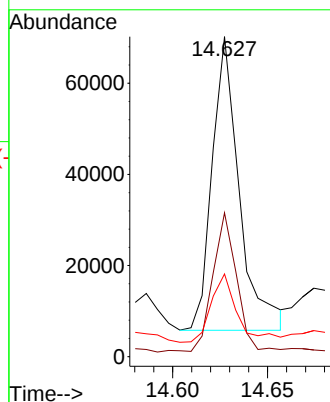
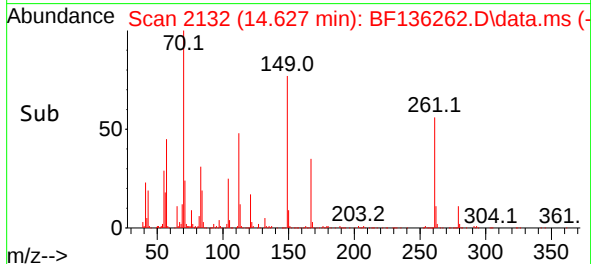
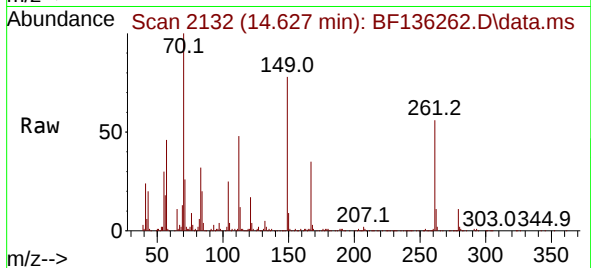
Ion	Ratio	Lower	Upper
149	100		
167	3.8	1.0	1.6
43	11.8	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2023

Supervised By :mohammad ahmed 12/01/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2274

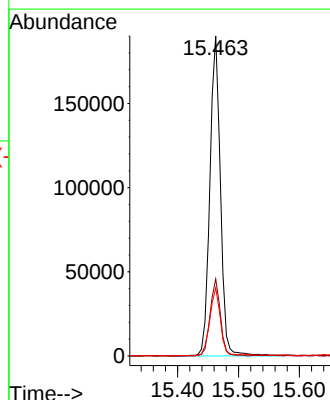
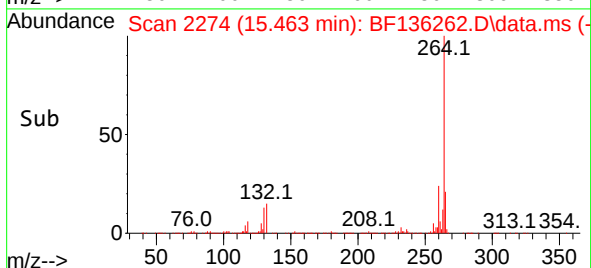
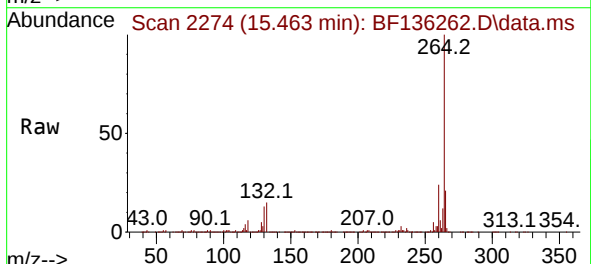
Delta R.T. -0.011 min

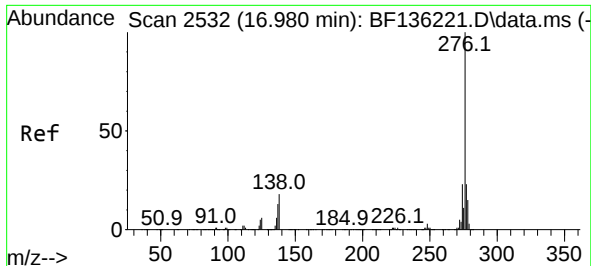
Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

Tgt Ion:264 Resp: 230197

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	27.8
265	21.2	15.7	23.5





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.340 ng m
 RT: 16.957 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF136262.D
 Acq: 28 Nov 2023 22:08

Instrument :

BNA_F

ClientSampleId :

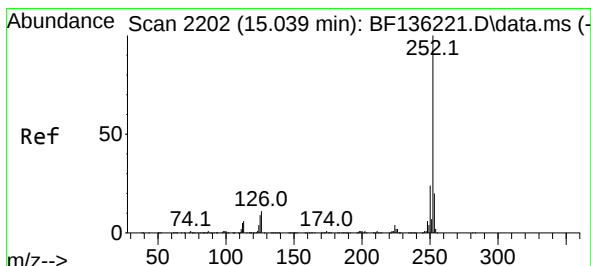
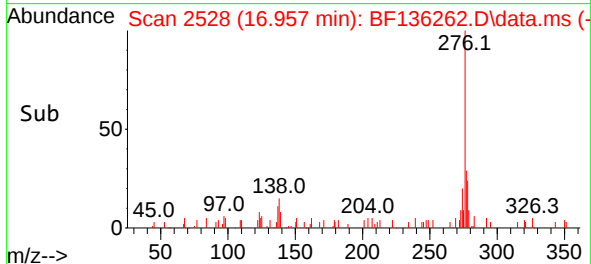
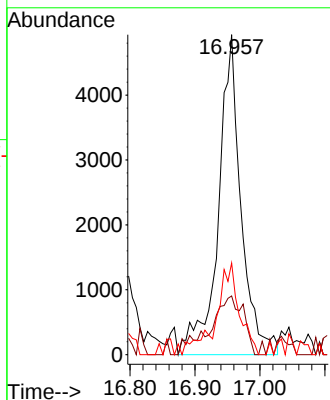
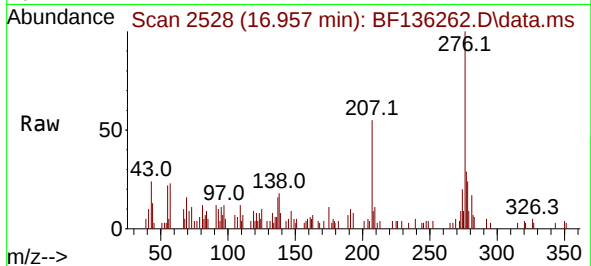
ETGI-343

Tgt Ion:276 Resp: 12049
 Ion Ratio Lower Upper
 276 100
 138 5.6 17.7 26.5
 277 6.5 19.6 29.4

Manual Integrations

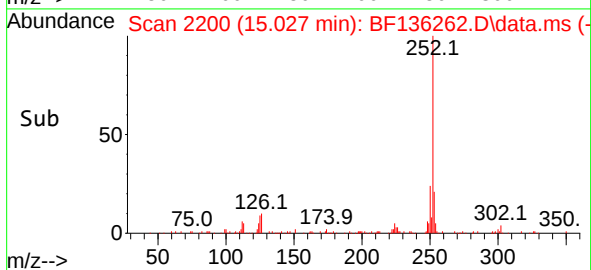
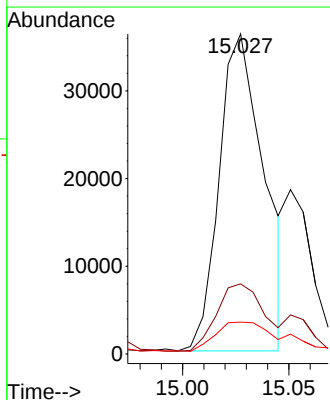
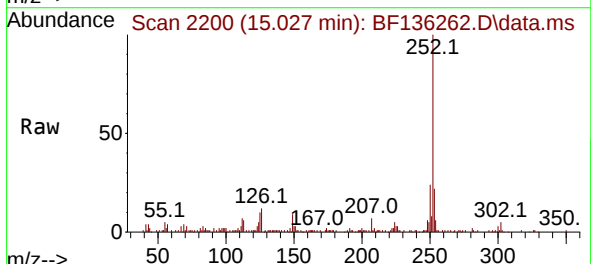
APPROVED

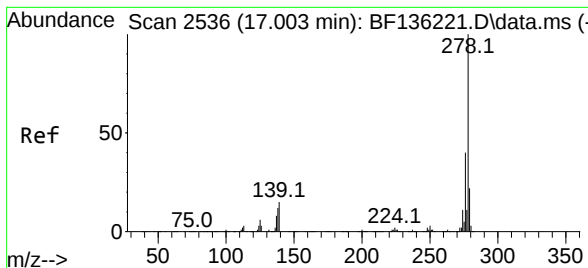
Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 12/01/2023



#88
 Benzo(b)fluoranthene
 Concen: 3.278 ng m
 RT: 15.027 min Scan# 2200
 Delta R.T. -0.012 min
 Lab File: BF136262.D
 Acq: 28 Nov 2023 22:08

Tgt Ion:252 Resp: 52937
 Ion Ratio Lower Upper
 252 100
 253 21.9 16.2 24.2
 125 10.0 6.9 10.3





#91

Dibenzo(a,h)anthracene

Concen: 2.932 ng

RT: 16.974 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

Instrument :

BNA_F

ClientSampleId :

ETGI-343

Tgt Ion:278 Resp: 3198

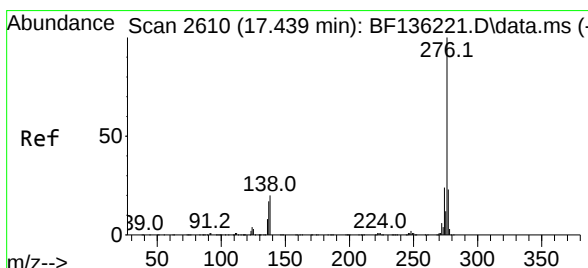
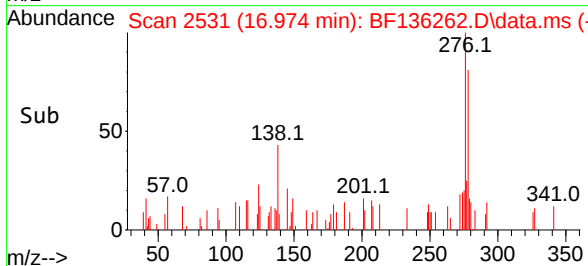
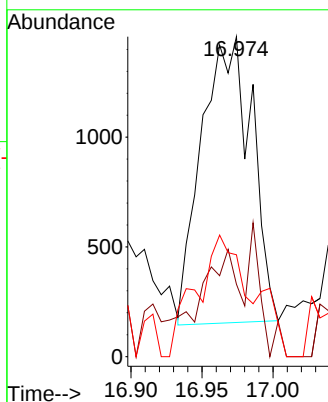
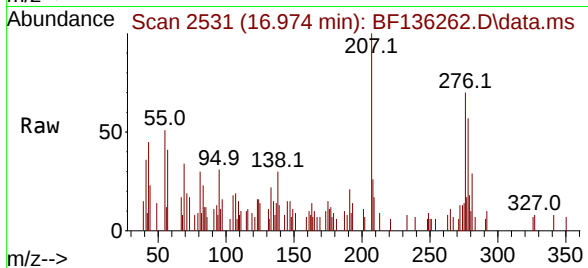
Ion	Ratio	Lower	Upper
278	100		
139	22.6	11.7	17.5
279	31.8	17.8	26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2023

Supervised By :mohammad ahmed 12/01/2023



#92

Benzo(g,h,i)perylene

Concen: 2.580 ng

RT: 17.404 min Scan# 2604

Delta R.T. -0.035 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

Tgt Ion:276 Resp: 9807

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	27.8
138	34.8	15.8	23.8

