

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141389.D
 Acq On : 04 Feb 2025 00:23
 Operator : RC/JU
 Sample : Q1262-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-371

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 04 01:55:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	81640	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	319733	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	153664	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	206552	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	169245	20.000	ng	0.00
86) Perylene-d12	15.415	264	143929	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	432229	81.279	ng	0.00
7) Phenol-d6	6.434	99	520227	76.900	ng	0.00
23) Nitrobenzene-d5	7.351	82	342119	56.407	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	106770	75.791	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	602872	60.387	ng	-0.01
79) Terphenyl-d14	12.904	244	486444	44.325	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.686	152	84519	6.464	ng	100
52) Acenaphthene	9.863	154	46294	4.956	ng	98
55) Dibenzofuran	10.033	168	60556	4.843	ng	98
58) Fluorene	10.375	166	47574	4.905	ng	98
70) Pentachlorophenol	11.128	266	20294	14.129	ng	97
71) Phenanthrene	11.345	178	759684	68.421	ng	99
72) Anthracene	11.392	178	312877	28.760	ng	98
73) Carbazole	11.551	167	182629	18.932	ng	98
75) Fluoranthene	12.539	202	2083202	190.022	ng	99
78) Pyrene	12.769	202	1998296	123.003	ng	98
81) Benzo(a)anthracene	13.957	228	900753	77.127	ng	92
83) Chrysene	13.998	228	1166356	108.971	ng	97
84) Bis(2-ethylhexyl)phtha...	13.945	149	24970	3.468	ng	95
87) Indeno(1,2,3-cd)pyrene	16.851	276	263653m	28.382	ng	
88) Benzo(b)fluoranthene	15.004	252	1097638m	121.239	ng	
89) Benzo(k)fluoranthene	15.015	252	490642m	61.175	ng	
90) Benzo(a)pyrene	15.357	252	422232	55.189	ng	96
91) Dibenzo(a,h)anthracene	16.862	278	66599	8.911	ng	96
92) Benzo(g,h,i)perylene	17.292	276	220098	28.322	ng	94

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

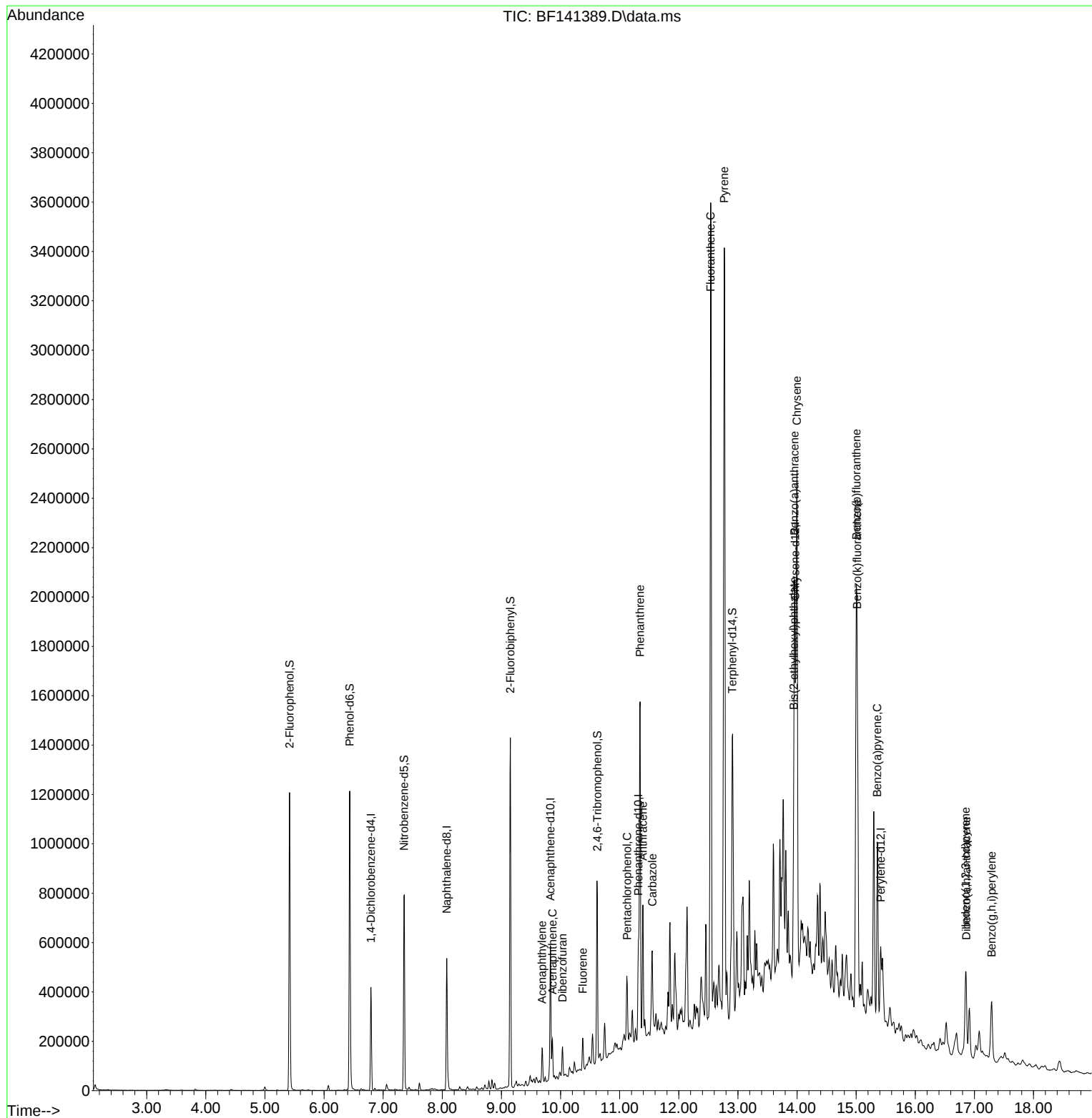
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
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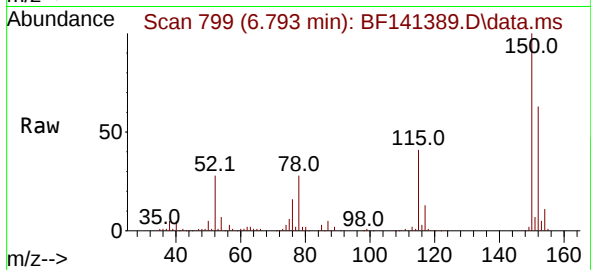
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

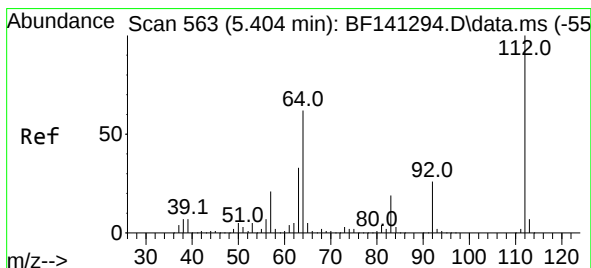
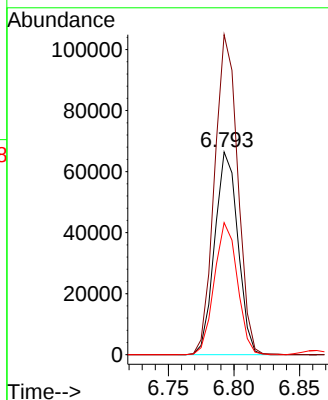
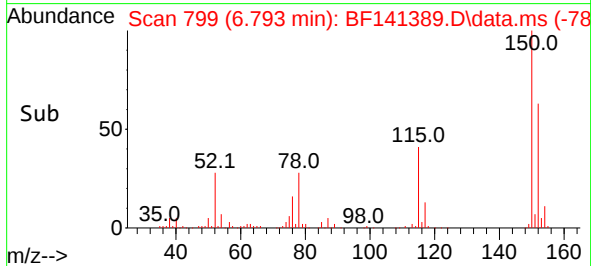
Instrument :
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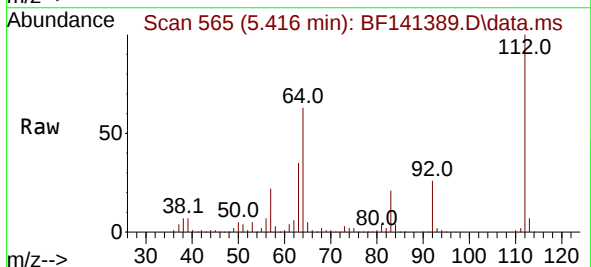
Tgt Ion:152 Resp: 81640
Ion Ratio Lower Upper
152 100
150 157.8 125.9 188.9
115 65.1 49.7 74.5

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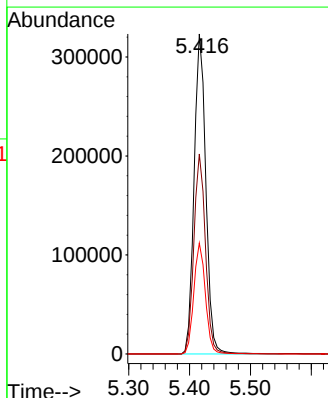
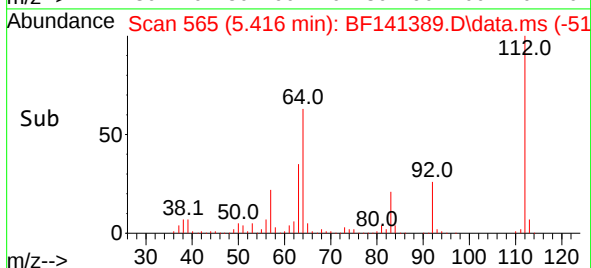
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Supervised By :mohammad ahmed 02/06/2025

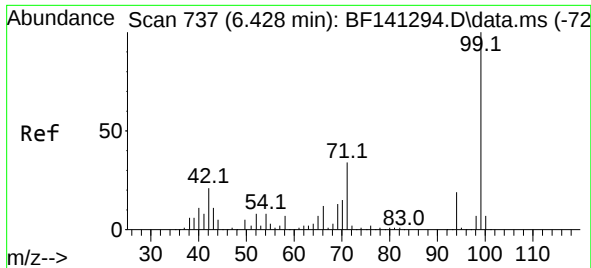


#5
2-Fluorophenol
Concen: 81.279 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23



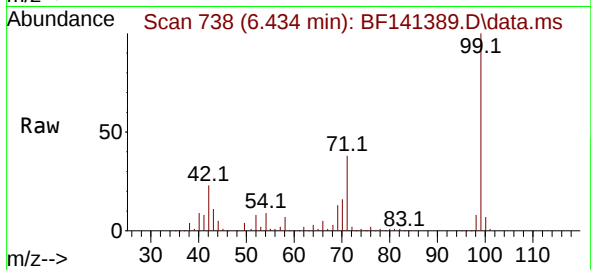
Tgt Ion:112 Resp: 432229
Ion Ratio Lower Upper
112 100
64 62.5 49.8 74.8
63 34.7 26.1 39.1





#7
Phenol-d6
Concen: 76.900 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

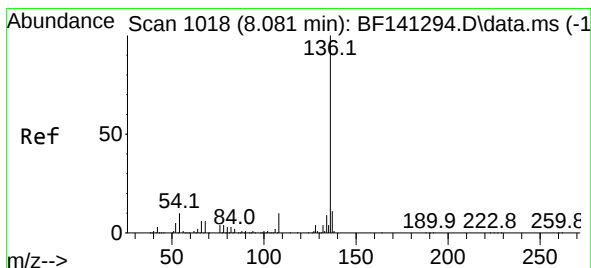
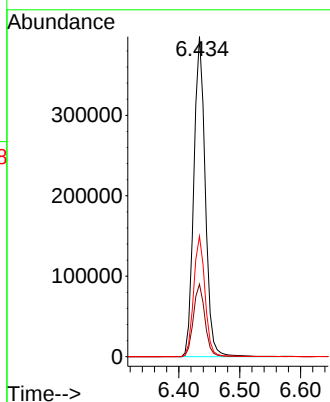
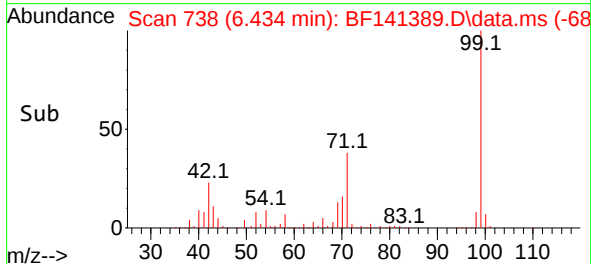
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ClientSampleId :
ETGI-371



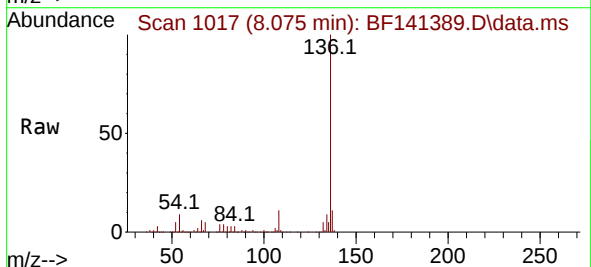
Tgt Ion: 99 Resp: 52022
Ion Ratio Lower Upper
99 100
42 22.6 17.1 25.7
71 37.7 26.9 40.3

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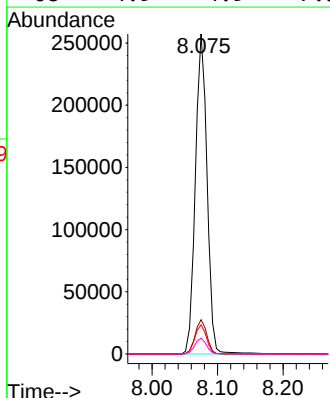
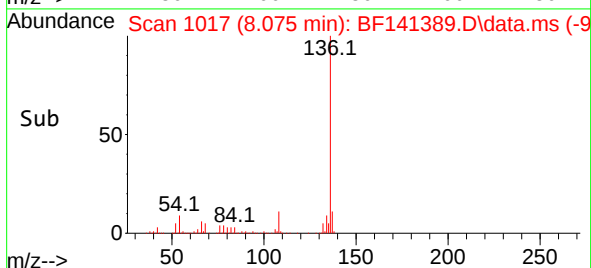
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23



Tgt Ion:136 Resp: 319733
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.1 7.8 11.8
68 4.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 56.407 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141389.D

Acq: 04 Feb 2025 00:23

Instrument :

BNA_F

ClientSampleId :

ETGI-371

Tgt Ion: 82 Resp: 342119

Ion Ratio Lower Upper

82 100

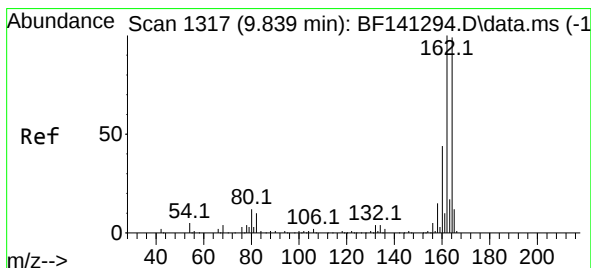
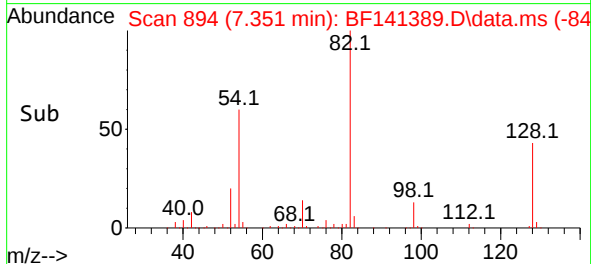
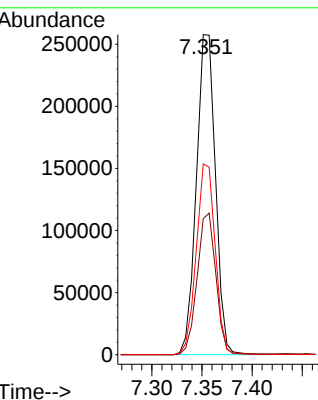
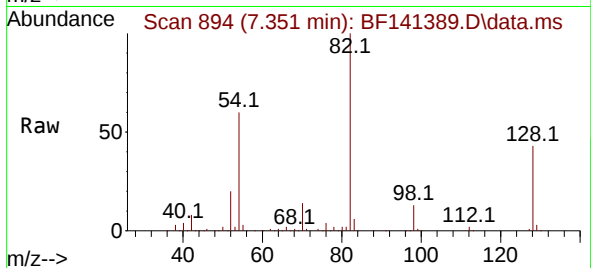
128 42.5 35.7 53.5

54 59.6 47.1 70.7

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141389.D

Acq: 04 Feb 2025 00:23

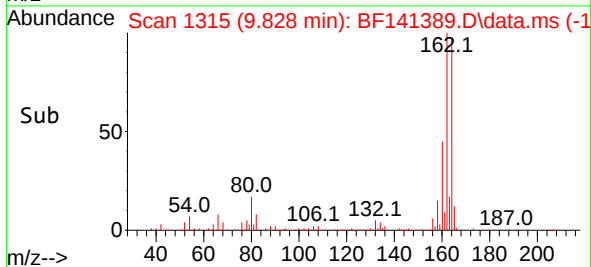
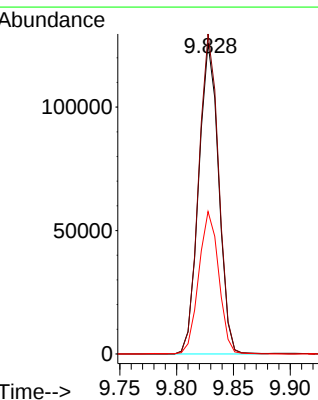
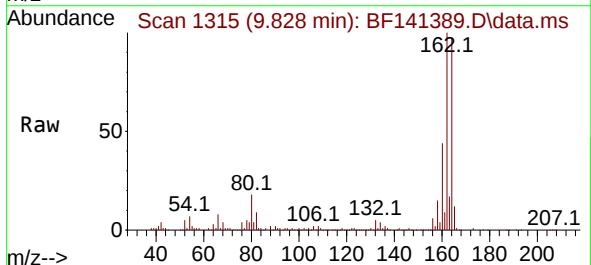
Tgt Ion:164 Resp: 153664

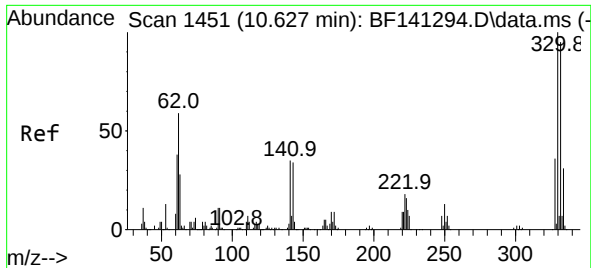
Ion Ratio Lower Upper

164 100

162 103.0 80.6 121.0

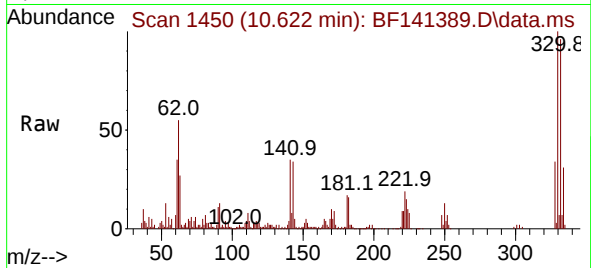
160 45.8 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 75.791 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

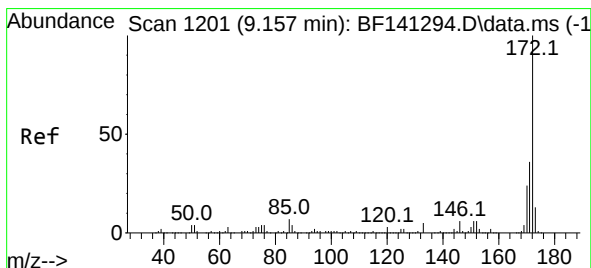
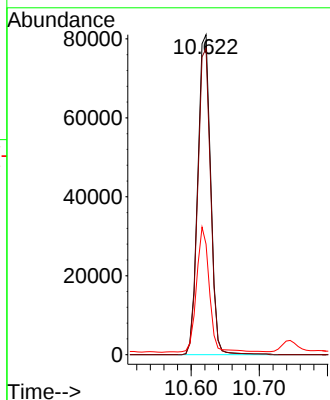
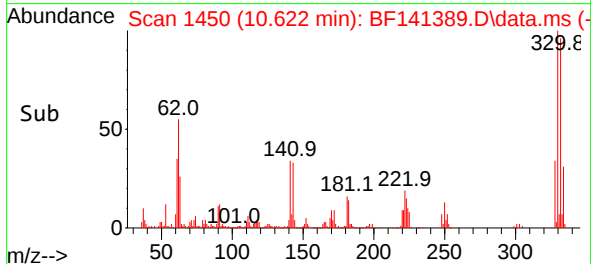
Instrument :
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ETGI-371



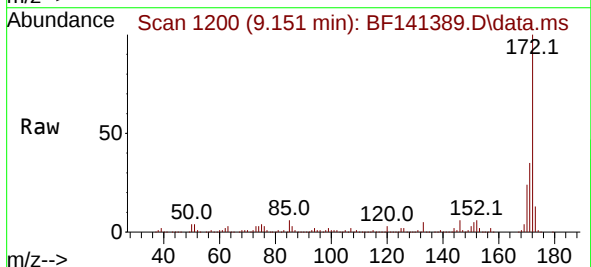
Tgt Ion: 330 Resp: 106770
Ion Ratio Lower Upper
330 100
332 95.4 76.1 114.1
141 39.0 28.8 43.2

Manual Integrations
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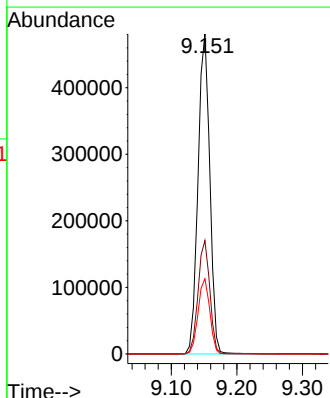
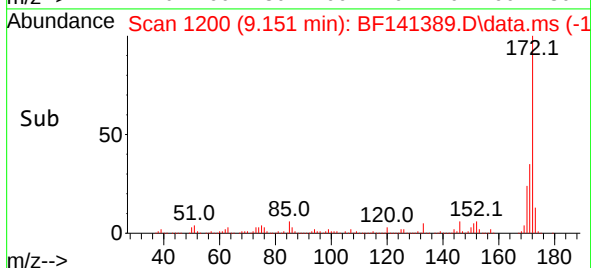
Reviewed By : Jagrut Upadhyay 02/04/2025
Supervised By : mohammad ahmed 02/06/2025

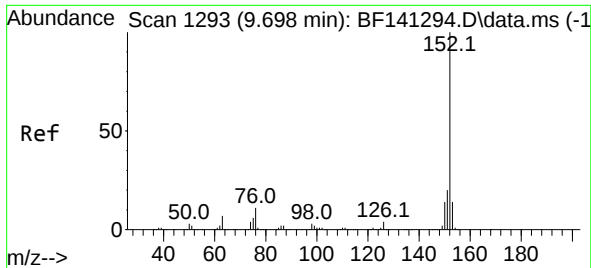


#45
2-Fluorobiphenyl
Concen: 60.387 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23



Tgt Ion: 172 Resp: 602872
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.5 19.0 28.6





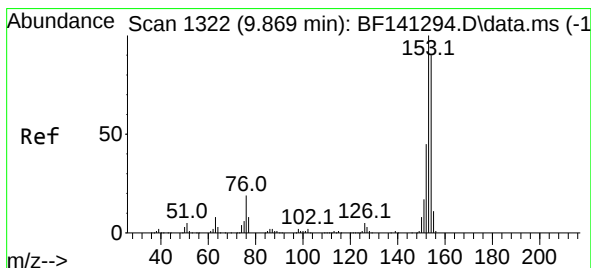
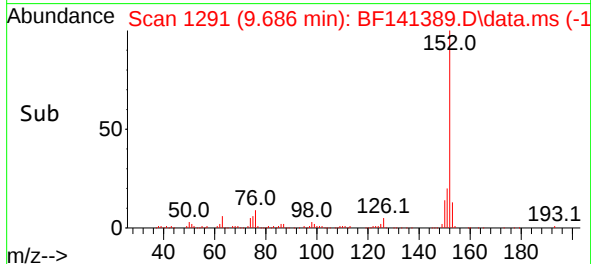
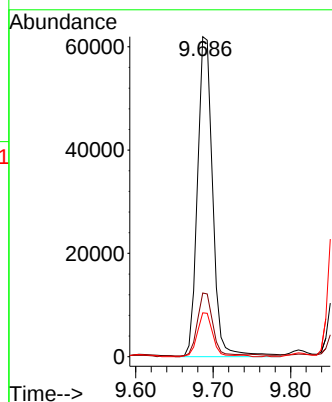
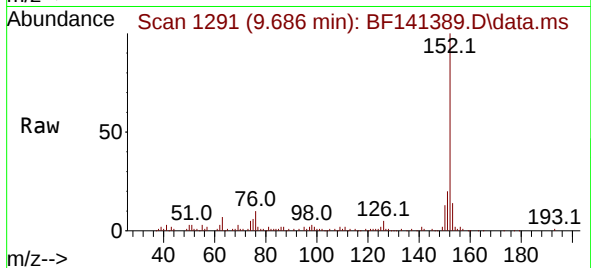
#49
Acenaphthylene
Concen: 6.464 ng
RT: 9.686 min Scan# 1291
Delta R.T. -0.018 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

Instrument :
BNA_F
ClientSampleId :
ETGI-371

Tgt Ion:152 Resp: 84519
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.7 11.0 16.6

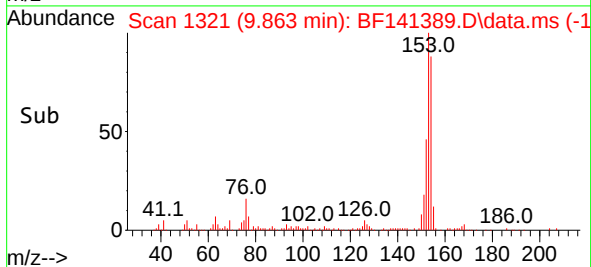
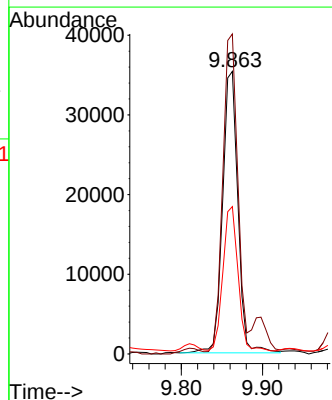
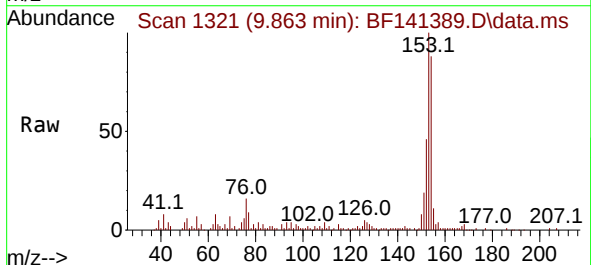
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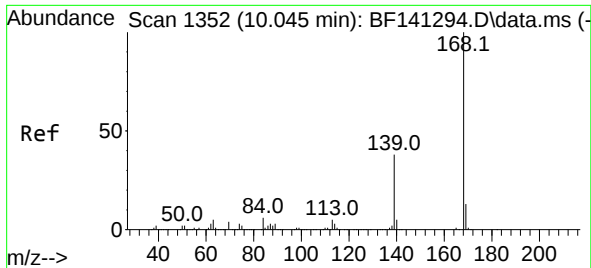
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#52
Acenaphthene
Concen: 4.956 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

Tgt Ion:154 Resp: 46294
Ion Ratio Lower Upper
154 100
153 113.3 89.0 133.4
152 52.1 40.2 60.4





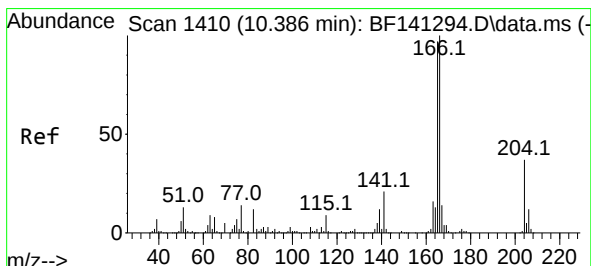
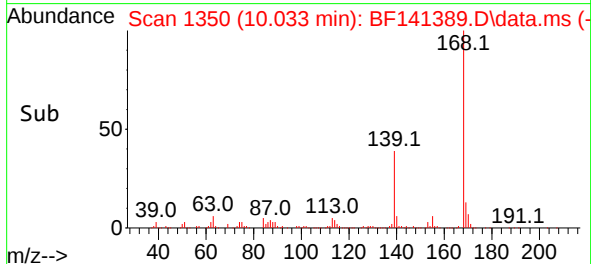
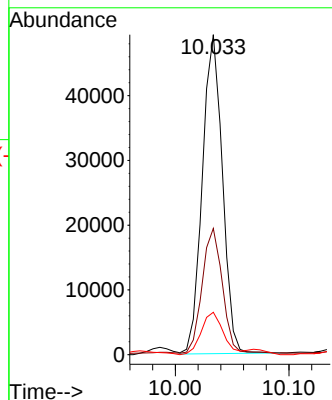
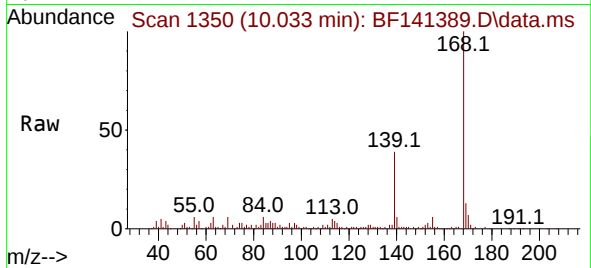
#55
Dibenzenofuran
Concen: 4.843 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

Instrument :
BNA_F
ClientSampleId :
ETGI-371

Tgt Ion:168 Resp: 60550
Ion Ratio Lower Upper
168 100
139 39.5 30.6 46.0
169 13.3 10.8 16.2

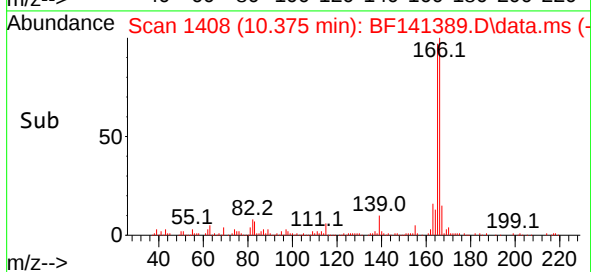
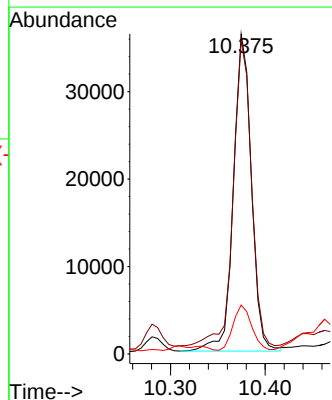
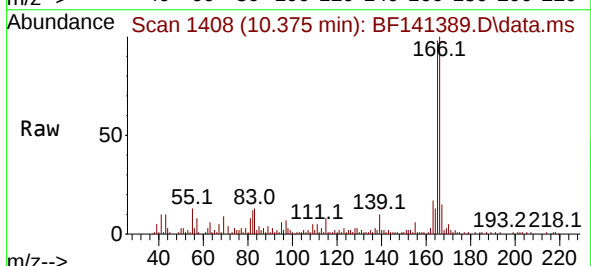
Manual Integrations
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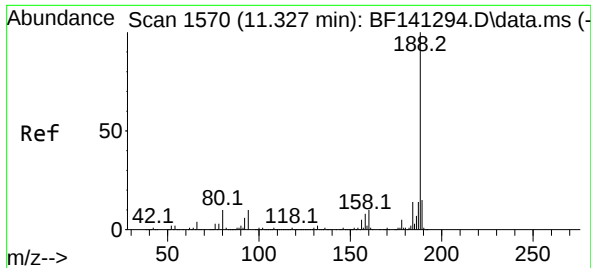
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#58
Fluorene
Concen: 4.905 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

Tgt Ion:166 Resp: 47574
Ion Ratio Lower Upper
166 100
165 98.1 77.5 116.3
167 15.3 10.9 16.3





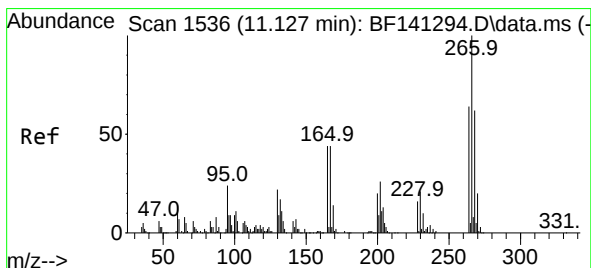
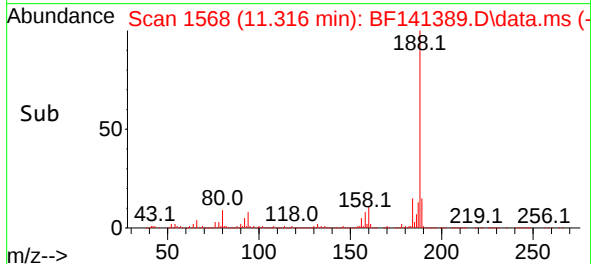
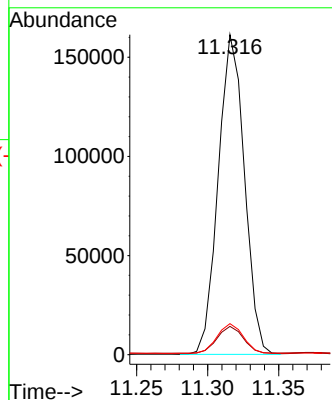
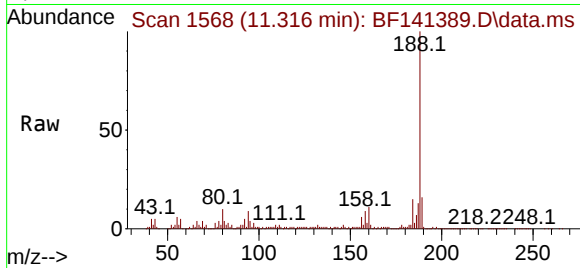
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

Instrument :
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ETGI-371

Tgt Ion:188 Resp: 20655
Ion Ratio Lower Upper
188 100
94 8.9 7.8 11.6
80 9.7 8.2 12.4

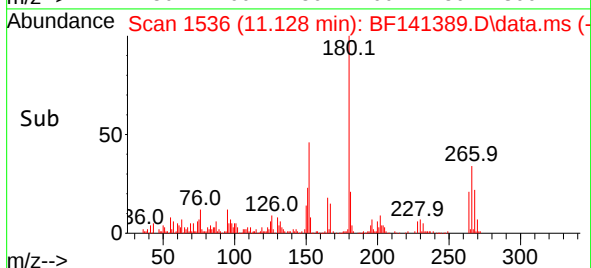
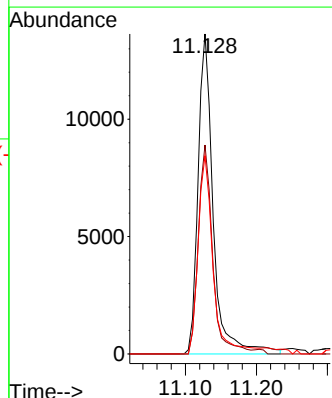
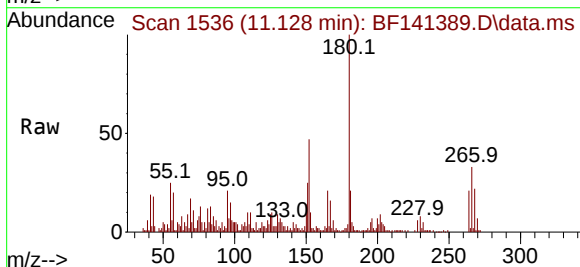
Manual Integrations
APPROVED

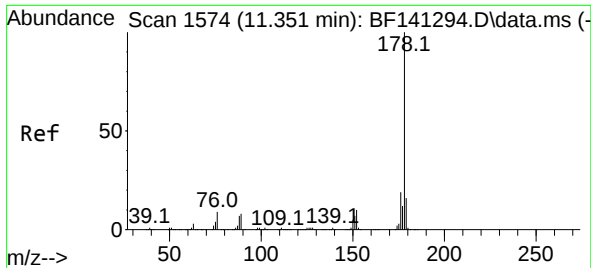
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#70
Pentachlorophenol
Concen: 14.129 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

Tgt Ion:266 Resp: 20294
Ion Ratio Lower Upper
266 100
268 65.3 49.9 74.9
264 61.9 51.0 76.4





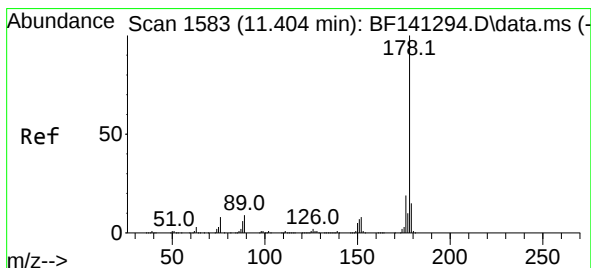
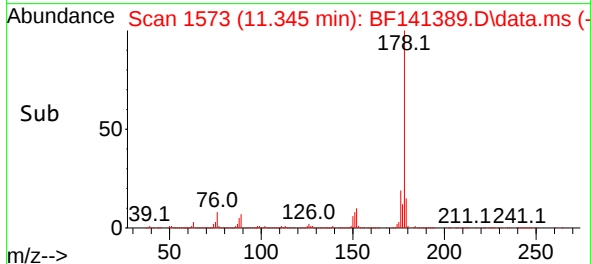
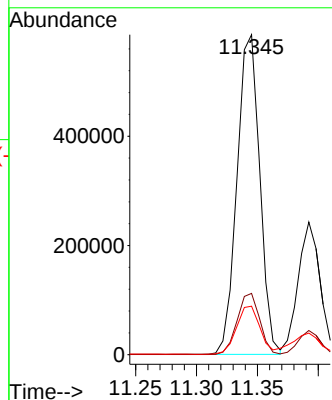
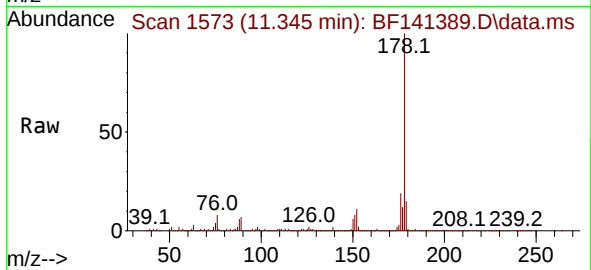
#71
Phenanthrene
Concen: 68.421 ng
RT: 11.345 min Scan# 11345
Delta R.T. -0.006 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

Instrument :
BNA_F
ClientSampleId :
ETGI-371

Tgt Ion:178 Resp: 759684
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.2 12.5 18.7

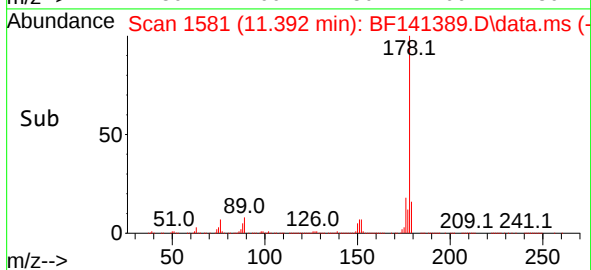
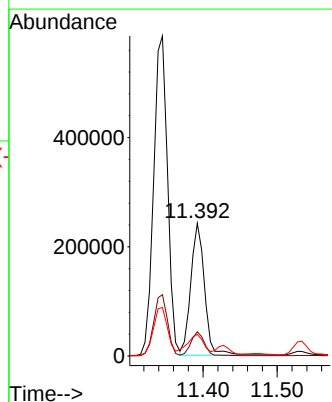
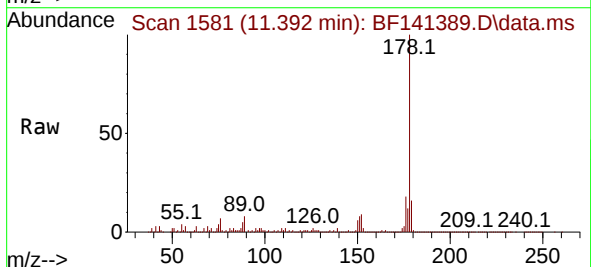
Manual Integrations
APPROVED

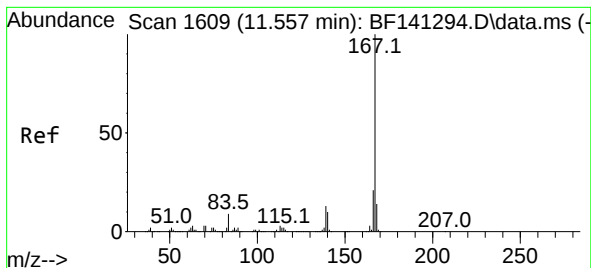
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#72
Anthracene
Concen: 28.760 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

Tgt Ion:178 Resp: 312877
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 16.3 12.3 18.5





#73

Carbazole

Concen: 18.932 ng

RT: 11.551 min Scan# 1608

Delta R.T. -0.006 min

Lab File: BF141389.D

Acq: 04 Feb 2025 00:23

Instrument :

BNA_F

ClientSampleId :

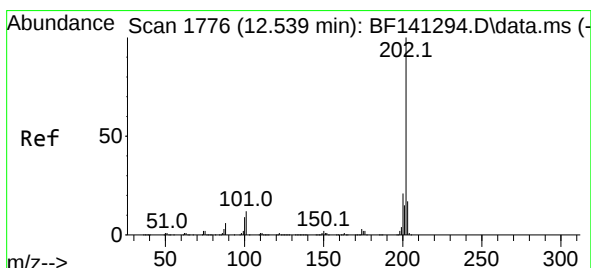
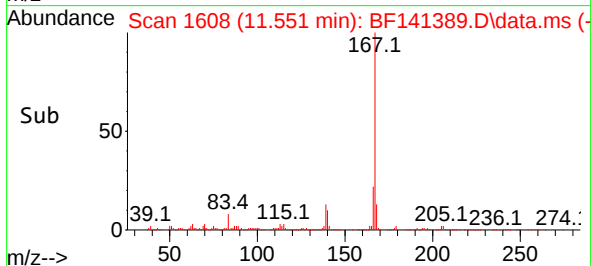
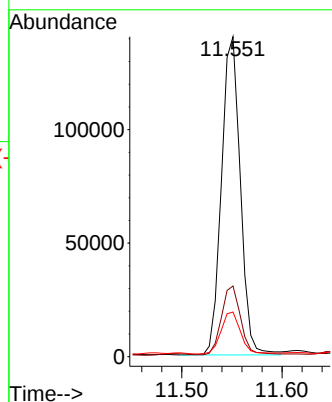
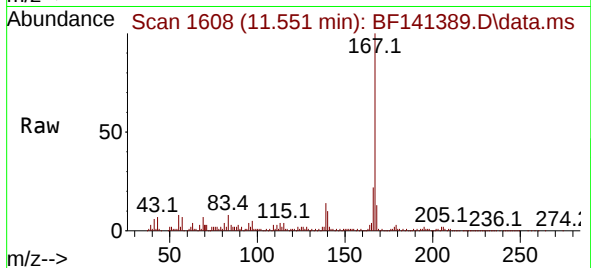
ETGI-371

Tgt Ion:167 Resp: 182629
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.0 25.6
 139 14.0 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025



#75

Fluoranthene

Concen: 190.022 ng

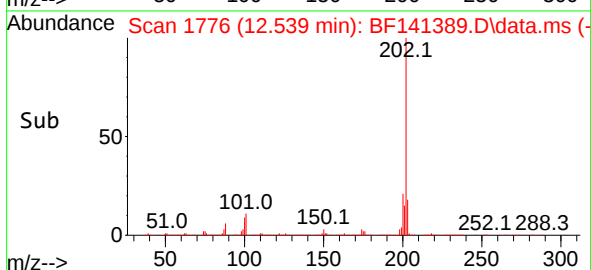
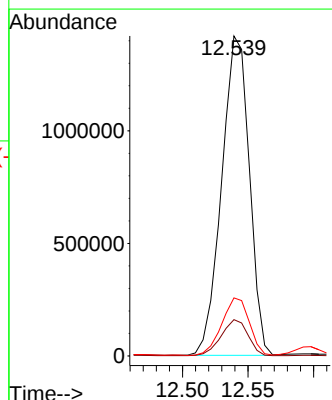
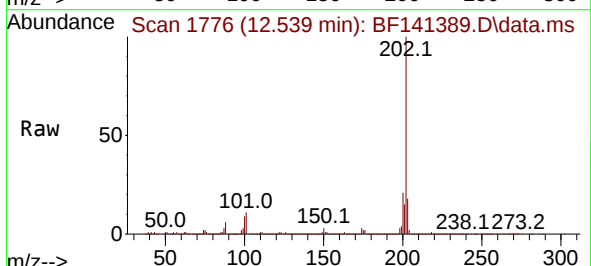
RT: 12.539 min Scan# 1776

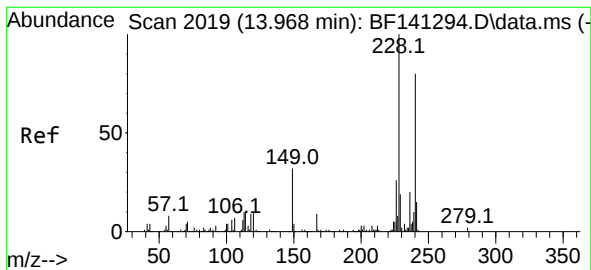
Delta R.T. -0.000 min

Lab File: BF141389.D

Acq: 04 Feb 2025 00:23

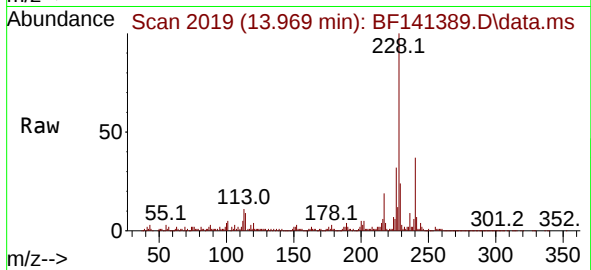
Tgt Ion:202 Resp: 2083202
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 31.7
 203 18.2 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

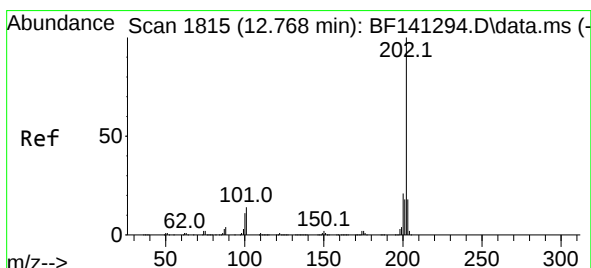
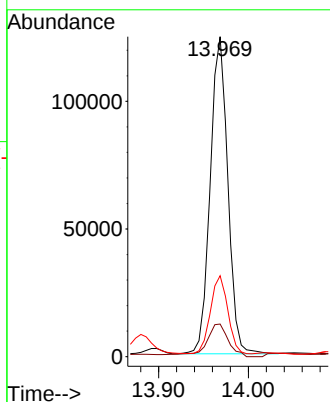
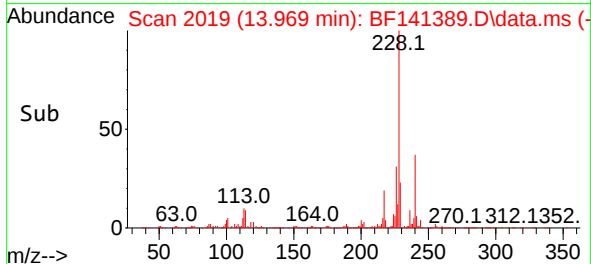
Instrument :
BNA_F
ClientSampleId :
ETGI-371



Tgt Ion:240 Resp: 169245
Ion Ratio Lower Upper
240 100
120 10.2 10.0 15.0
236 25.3 19.7 29.5

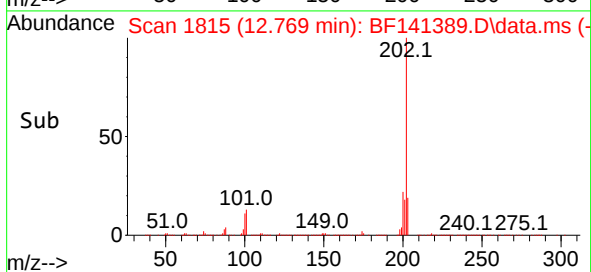
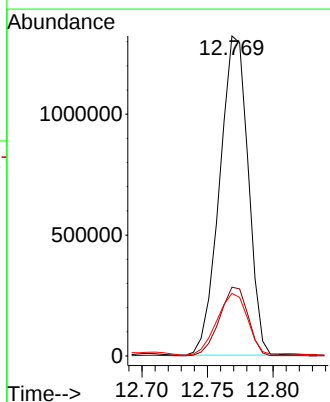
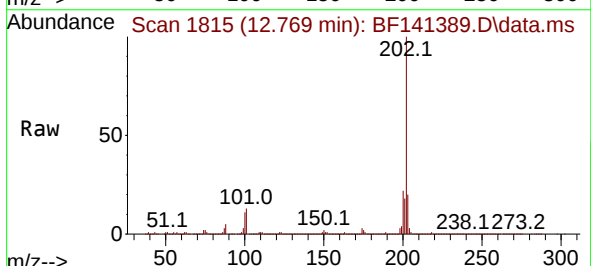
Manual Integrations
APPROVED

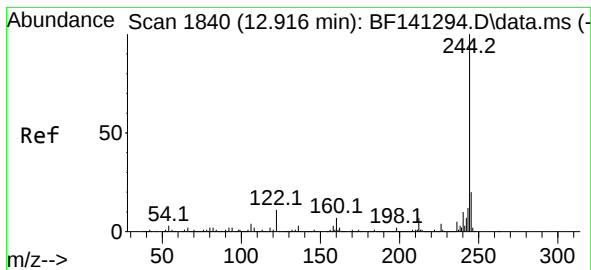
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#78
Pyrene
Concen: 123.003 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

Tgt Ion:202 Resp: 1998296
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 19.6 14.3 21.5





#79

Terphenyl-d14

Concen: 44.325 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141389.D

Acq: 04 Feb 2025 00:23

Instrument :

BNA_F

ClientSampleId :

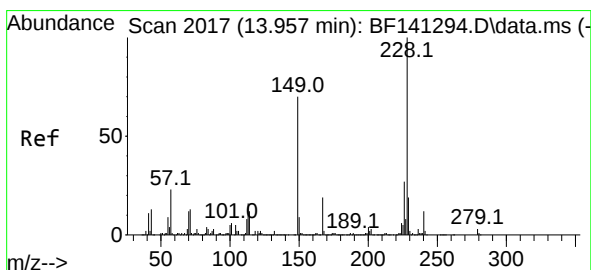
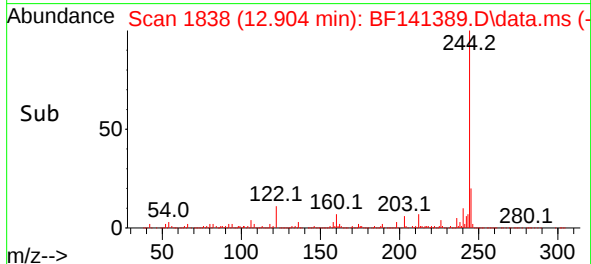
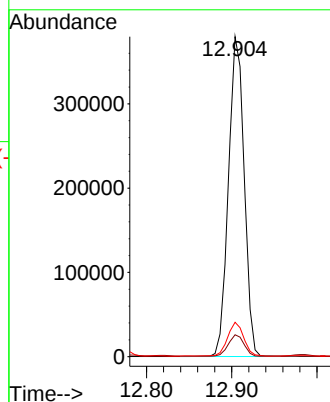
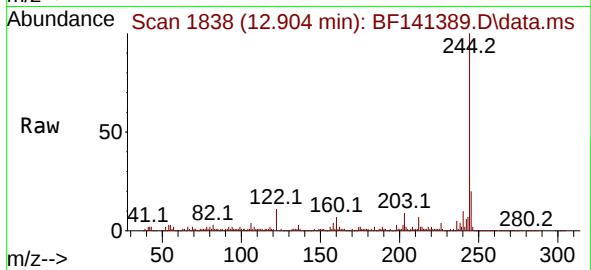
ETGI-371

Tgt Ion:244 Resp: 486444
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.8 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025



#81

Benzo(a)anthracene

Concen: 77.127 ng

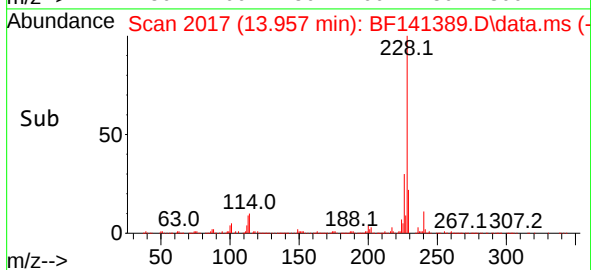
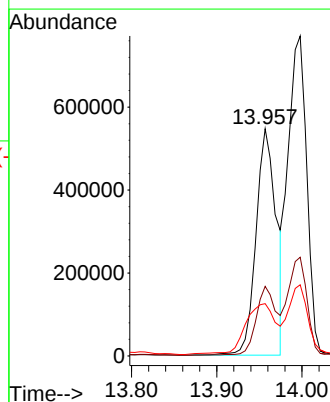
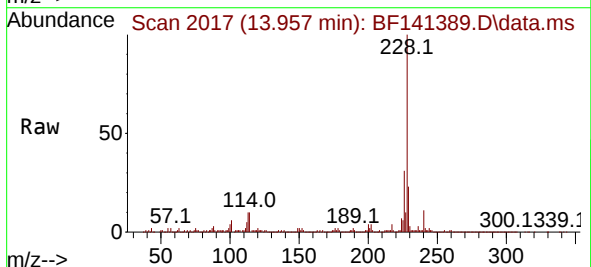
RT: 13.957 min Scan# 2017

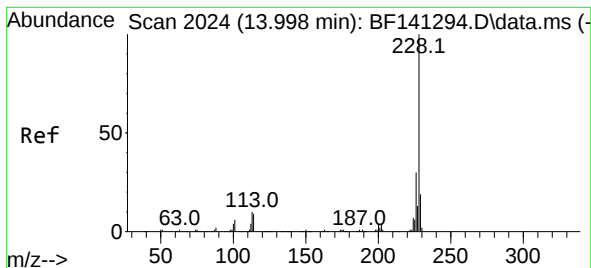
Delta R.T. -0.006 min

Lab File: BF141389.D

Acq: 04 Feb 2025 00:23

Tgt Ion:228 Resp: 900753
 Ion Ratio Lower Upper
 228 100
 226 30.6 21.4 32.2
 229 23.1 15.5 23.3





#83

Chrysene

Concen: 108.971 ng

RT: 13.998 min Scan# 2015

Delta R.T. -0.000 min

Lab File: BF141389.D

Acq: 04 Feb 2025 00:23

Instrument :

BNA_F

ClientSampleId :

ETGI-371

Tgt Ion:228 Resp: 1166350

Ion Ratio Lower Upper

228 100

226 30.8 24.1 36.1

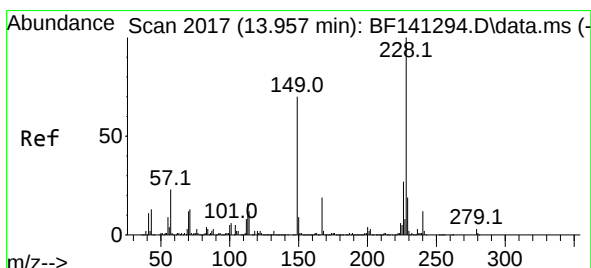
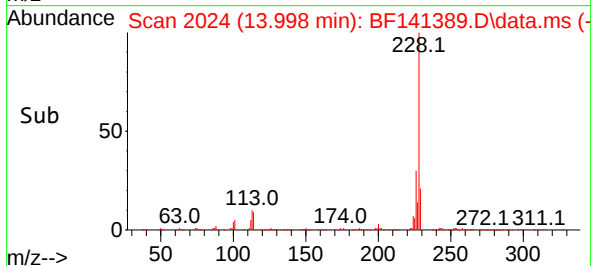
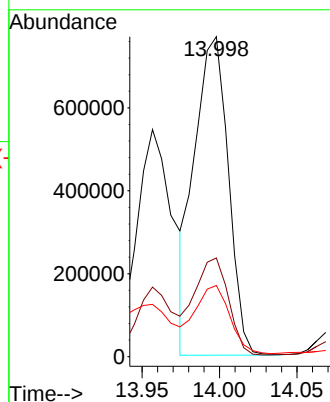
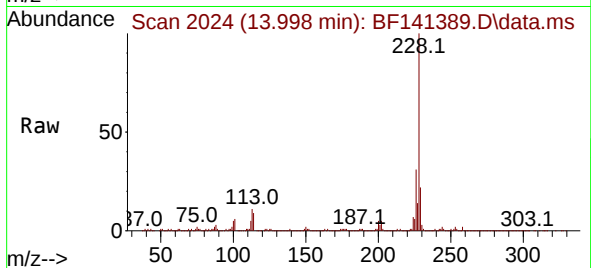
229 22.3 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.468 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141389.D

Acq: 04 Feb 2025 00:23

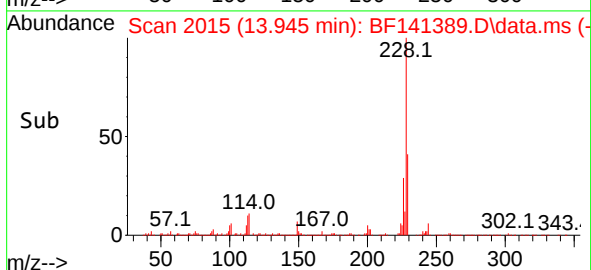
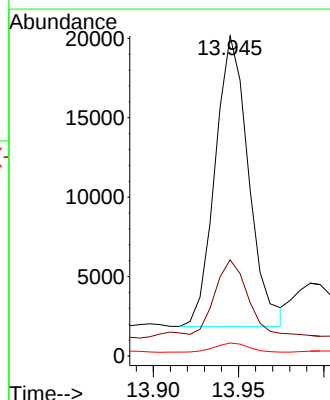
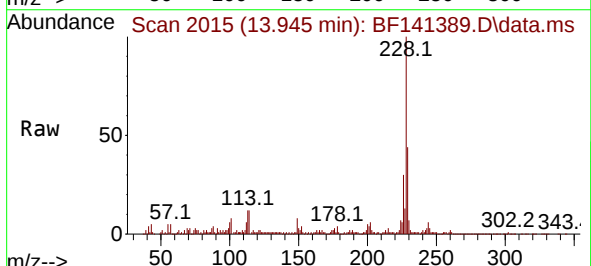
Tgt Ion:149 Resp: 24970

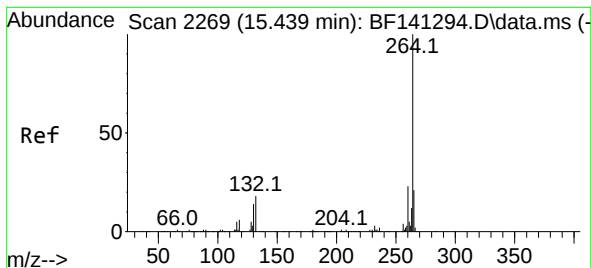
Ion Ratio Lower Upper

149 100

167 30.1 21.8 32.8

279 4.1 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141389.D

Acq: 04 Feb 2025 00:23

Instrument :

BNA_F

ClientSampleId :

ETGI-371

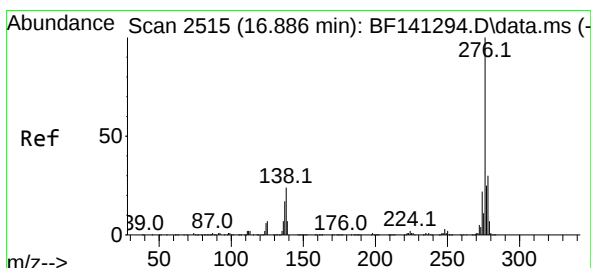
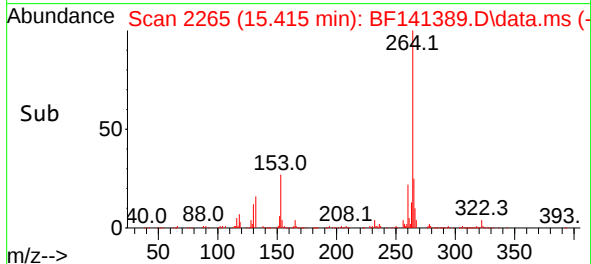
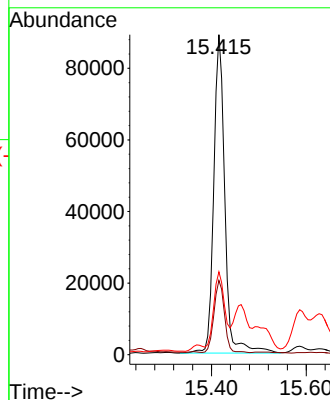
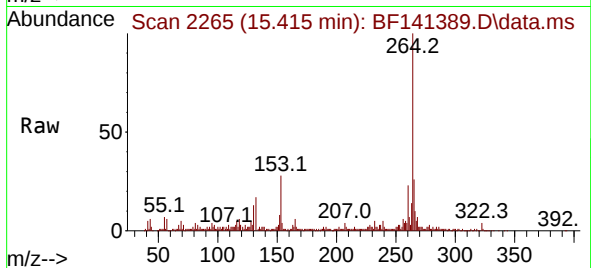
Tgt Ion:264 Resp: 143929

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	25.9	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 28.382 ng m

RT: 16.851 min Scan# 2509

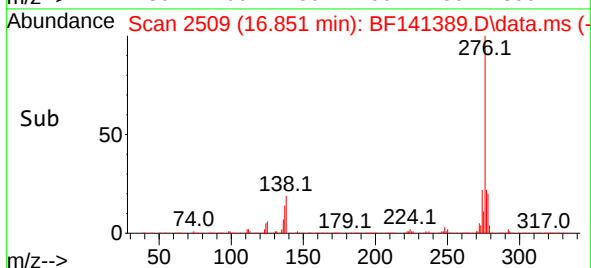
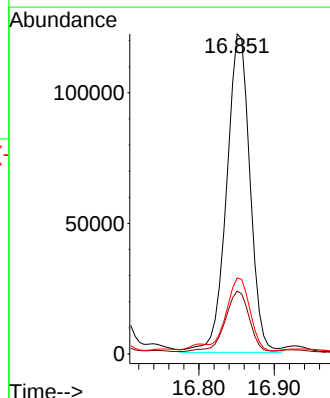
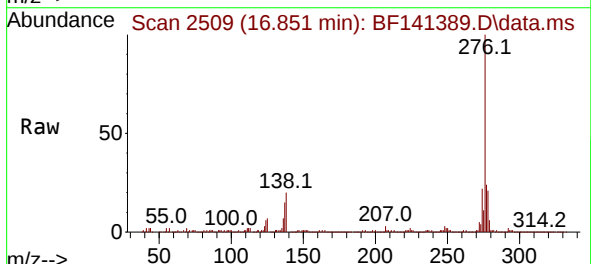
Delta R.T. -0.047 min

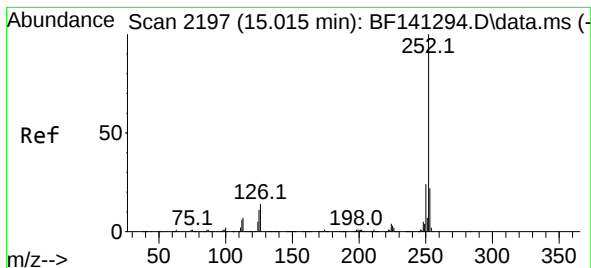
Lab File: BF141389.D

Acq: 04 Feb 2025 00:23

Tgt Ion:276 Resp: 263653

Ion	Ratio	Lower	Upper
276	100		
138	4.6	21.7	32.5#
277	4.8	20.3	30.5#





#88

Benzo(b)fluoranthene

Concen: 121.239 ng m

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141389.D

Acq: 04 Feb 2025 00:23

Instrument :

BNA_F

ClientSampleId :

ETGI-371

Tgt Ion:252 Resp: 1097638

Ion Ratio Lower Upper

252 100

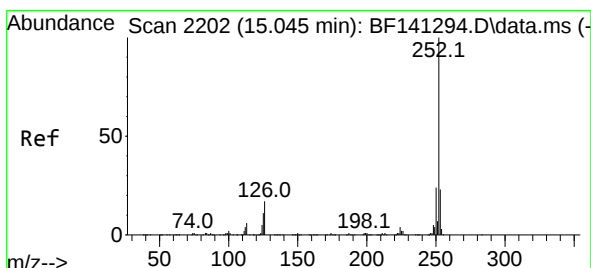
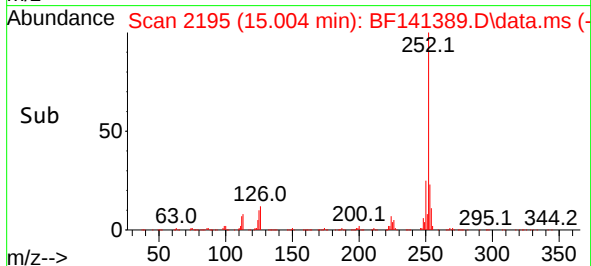
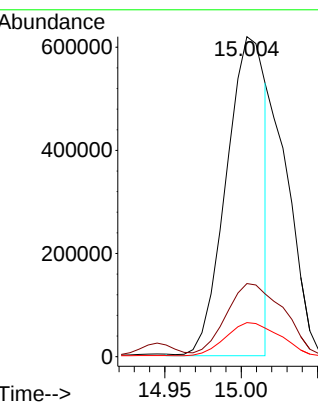
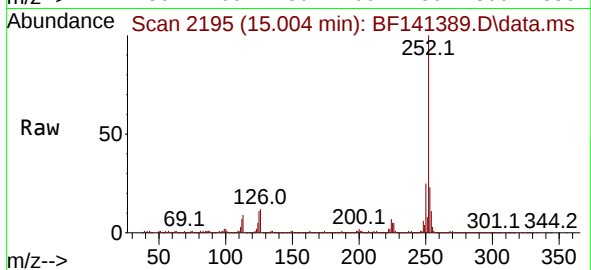
253 22.9 17.4 26.2

125 10.6 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#89

Benzo(k)fluoranthene

Concen: 61.175 ng m

RT: 15.015 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF141389.D

Acq: 04 Feb 2025 00:23

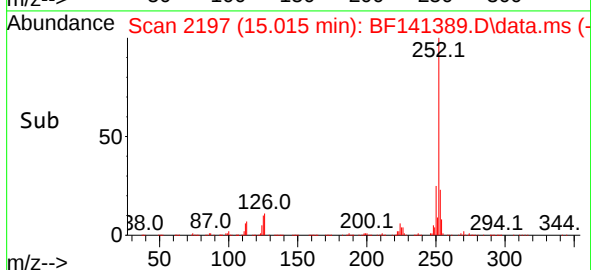
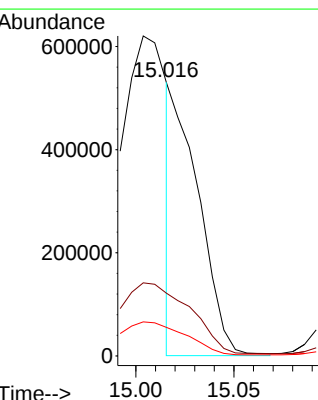
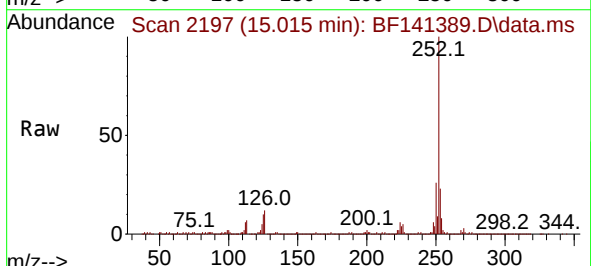
Tgt Ion:252 Resp: 490642

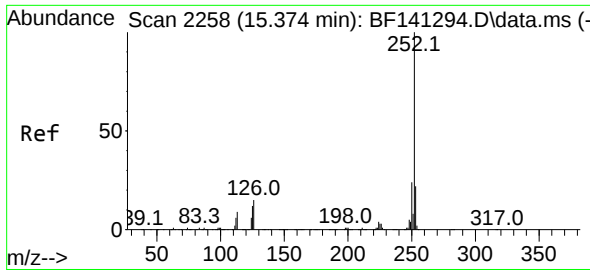
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 10.4 8.4 12.6





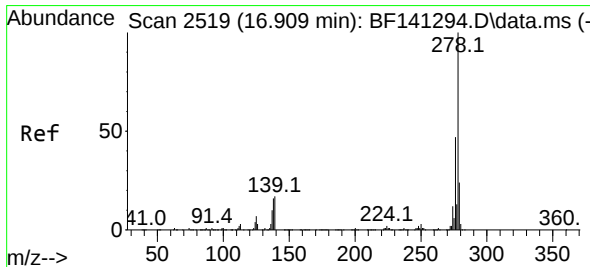
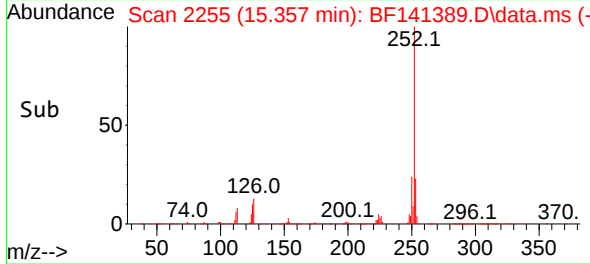
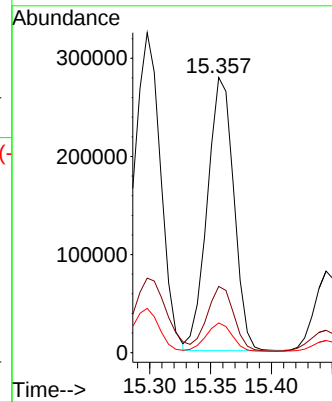
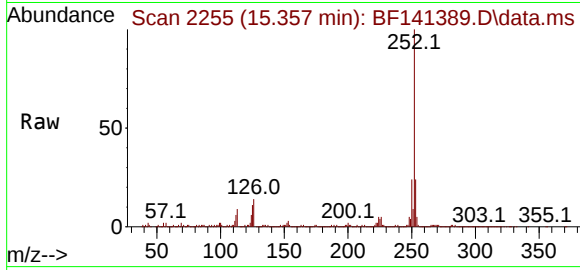
#90
Benzo(a)pyrene
Concen: 55.189 ng
RT: 15.357 min Scan# 2111
Delta R.T. -0.024 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

Instrument :
BNA_F
ClientSampleId :
ETGI-371

Tgt Ion:252 Resp: 42223
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 10.8 9.4 14.2

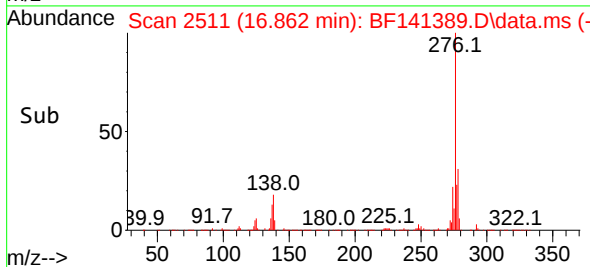
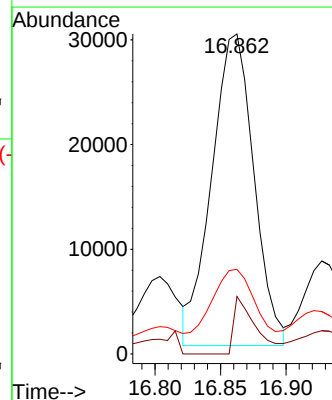
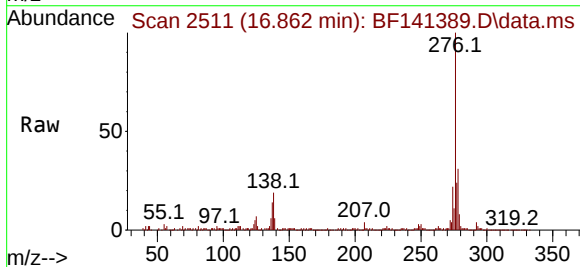
Manual Integrations
APPROVED

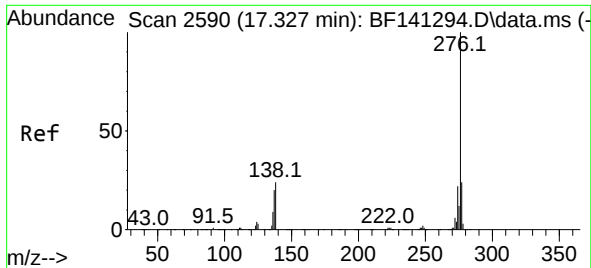
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#91
Dibenzo(a,h)anthracene
Concen: 8.911 ng
RT: 16.862 min Scan# 2511
Delta R.T. -0.059 min
Lab File: BF141389.D
Acq: 04 Feb 2025 00:23

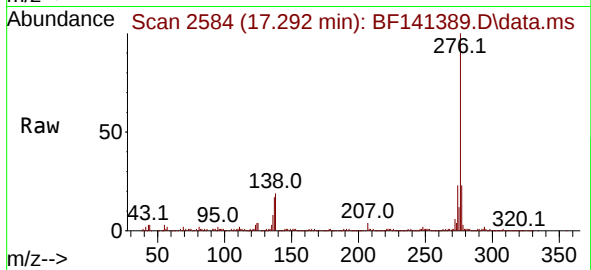
Tgt Ion:278 Resp: 66599
Ion Ratio Lower Upper
278 100
139 18.0 13.9 20.9
279 26.5 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 28.322 ng
 RT: 17.292 min Scan# 2584
 Delta R.T. -0.053 min
 Lab File: BF141389.D
 Acq: 04 Feb 2025 00:23

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-371



Tgt Ion:276 Resp: 220098
 Ion Ratio Lower Upper
 276 100
 277 22.9 19.2 28.8
 138 19.1 19.0 28.4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

