

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141425.D
 Acq On : 04 Feb 2025 22:38
 Operator : RC/JU
 Sample : Q1262-01DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-371DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

Quant Time: Feb 05 00:35:35 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	6.787	152	74154	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	297657	20.000	ng	-0.02
39) Acenaphthene-d10	9.822	164	166962	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	281181	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	200969	20.000	ng	-0.02
86) Perylene-d12	15.415	264	204126	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	80144	16.592	ng	0.00
7) Phenol-d6	6.428	99	98242	15.988	ng	-0.01
23) Nitrobenzene-d5	7.345	82	62448	11.060	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	24454	15.976	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	130148	11.998	ng	-0.02
79) Terphenyl-d14	12.898	244	148382	11.386	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	226854	15.009	ng	100
72) Anthracene	11.386	178	84391	5.698	ng	98
73) Carbazole	11.545	167	48195	3.670	ng	100
75) Fluoranthene	12.527	202	671315	44.982	ng	97
78) Pyrene	12.757	202	625917	32.446	ng	100
81) Benzo(a)anthracene	13.945	228	226607	16.340	ng	92
83) Chrysene	13.980	228	301715	23.739	ng	97
87) Indeno(1,2,3-cd)pyrene	16.845	276	99530m	7.555	ng	
88) Benzo(b)fluoranthene	14.998	252	337703m	26.301	ng	
89) Benzo(k)fluoranthene	15.010	252	134806m	11.851	ng	
90) Benzo(a)pyrene	15.351	252	132403	12.203	ng	95
91) Dibenzo(a,h)anthracene	16.857	278	26628m	2.512	ng	
92) Benzo(g,h,i)perylene	17.280	276	86500	7.848	ng	97

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

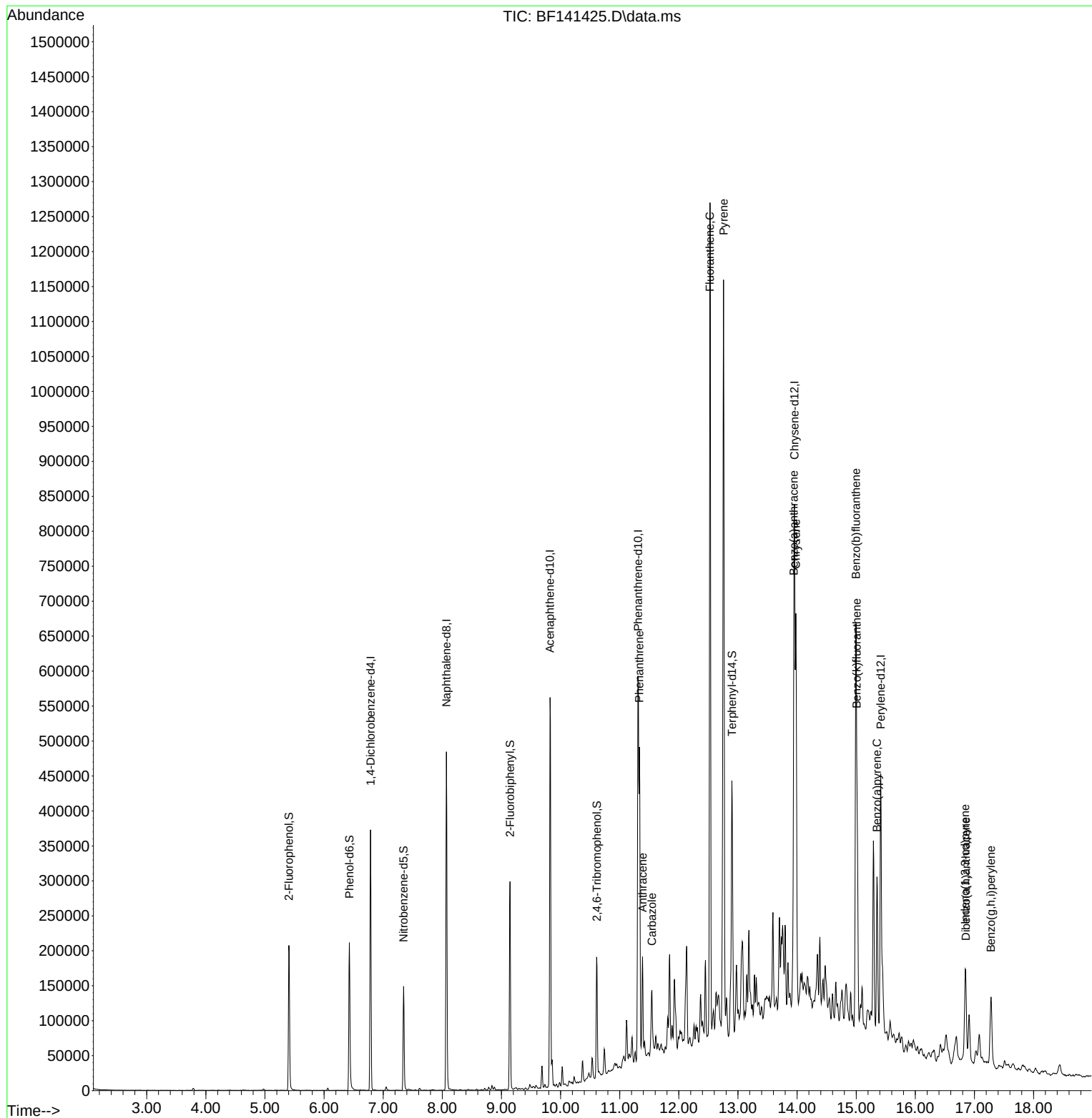
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141425.D
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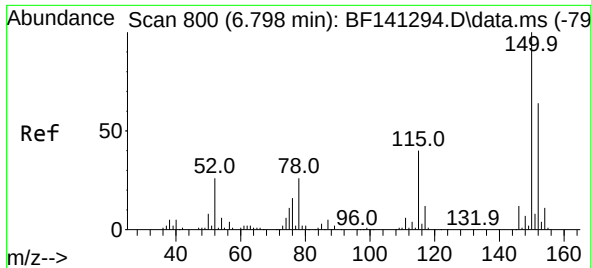
Instrument :
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Quant Time: Feb 05 00:35:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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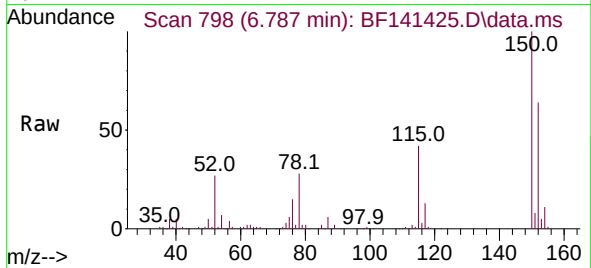
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.017 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38

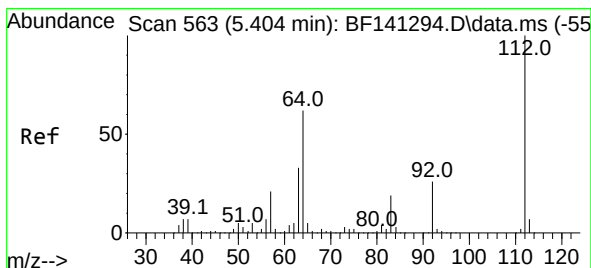
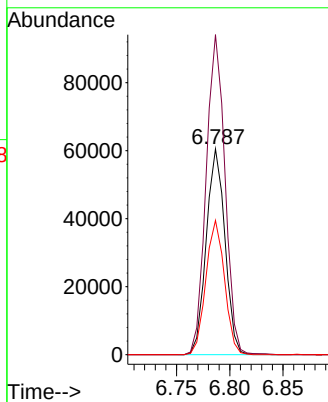
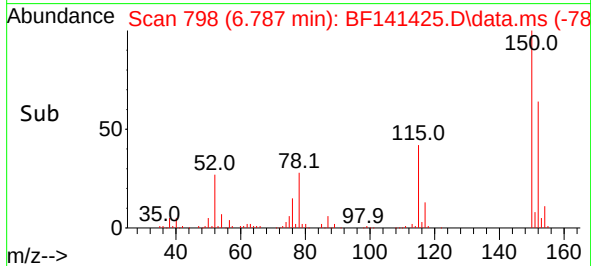
Instrument :
BNA_F
ClientSampleId :
ETGI-371DL



Tgt Ion:152 Resp: 74154
Ion Ratio Lower Upper
152 100
150 155.6 125.9 188.9
115 65.2 49.7 74.5

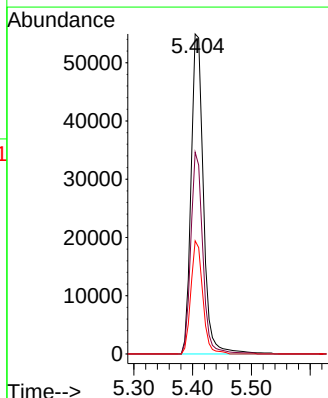
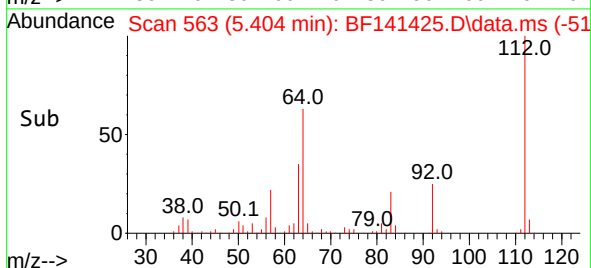
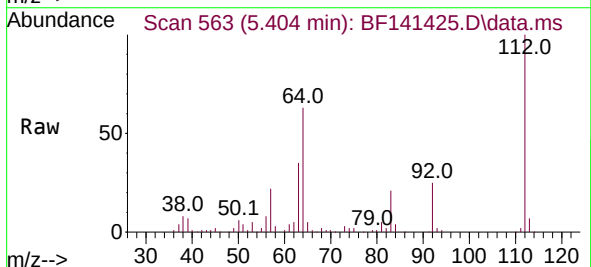
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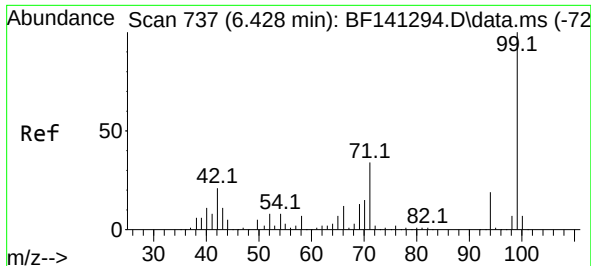
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#5
2-Fluorophenol
Concen: 16.592 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38

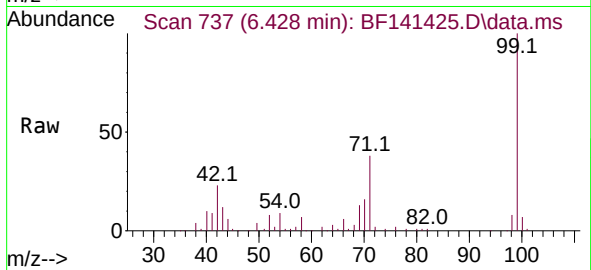
Tgt Ion:112 Resp: 80144
Ion Ratio Lower Upper
112 100
64 63.1 49.8 74.8
63 35.4 26.1 39.1





#7
Phenol-d6
Concen: 15.988 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38

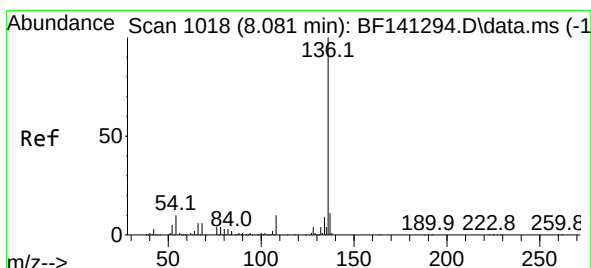
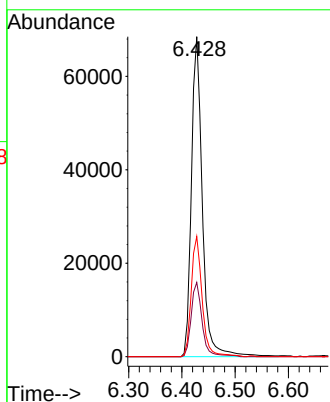
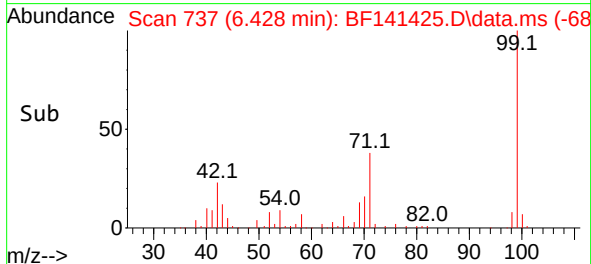
Instrument :
BNA_F
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ETGI-371DL



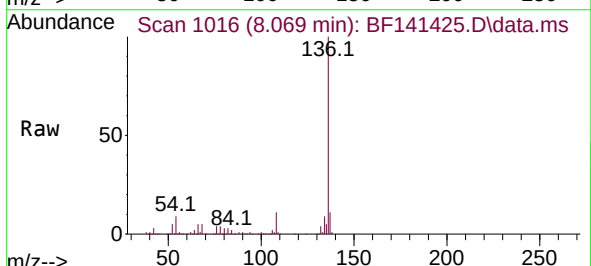
Tgt Ion: 99 Resp: 9824
Ion Ratio Lower Upper
99 100
42 23.2 17.1 25.7
71 37.6 26.9 40.3

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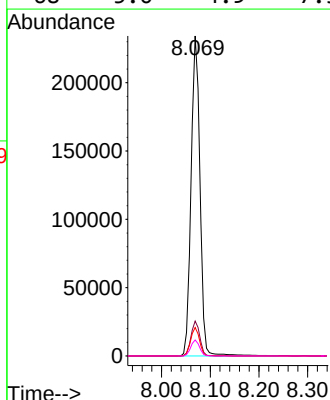
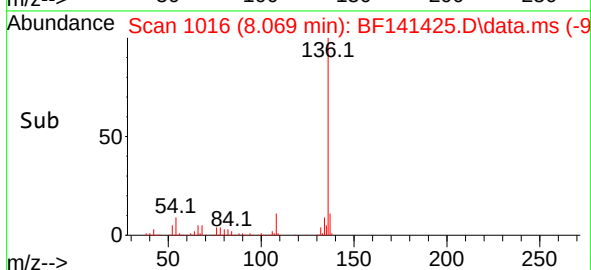
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

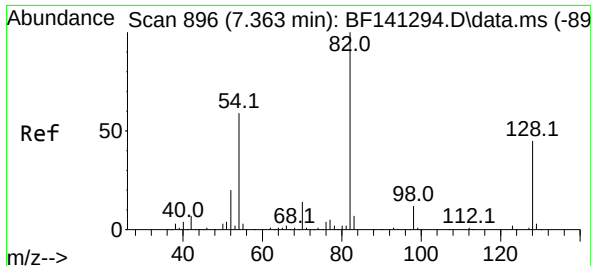


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38



Tgt Ion:136 Resp: 297657
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.9 7.8 11.8
68 5.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 11.060 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.024 min

Lab File: BF141425.D

Acq: 04 Feb 2025 22:38

Instrument :

BNA_F

ClientSampleId :

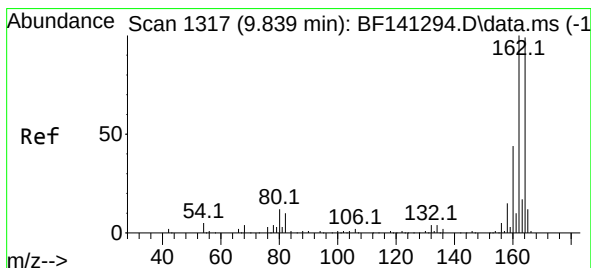
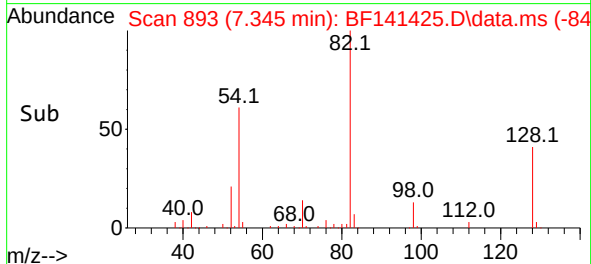
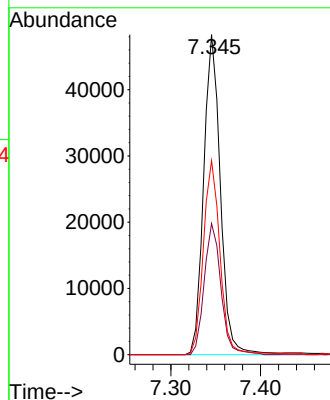
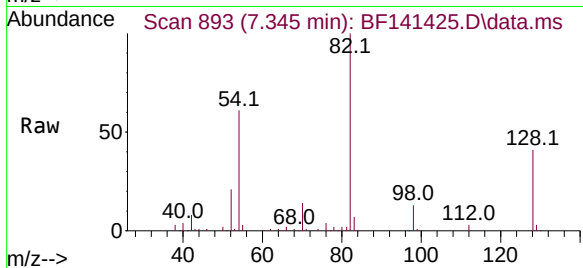
ETGI-371DL

Tgt Ion: 82 Resp: 62448
 Ion Ratio Lower Upper
 82 100
 128 41.0 35.7 53.5
 54 60.6 47.1 70.7

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 Supervised By :mohammad ahmed 02/05/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

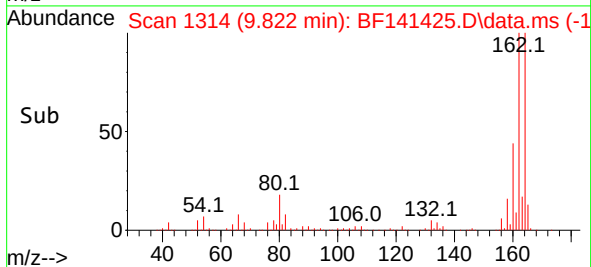
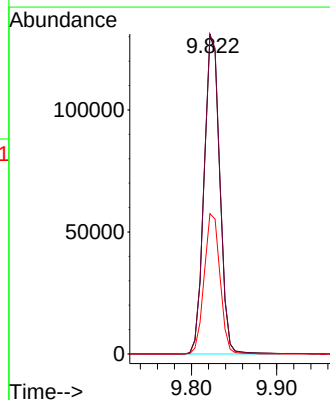
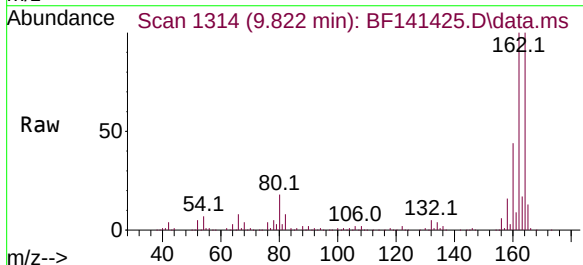
RT: 9.822 min Scan# 1314

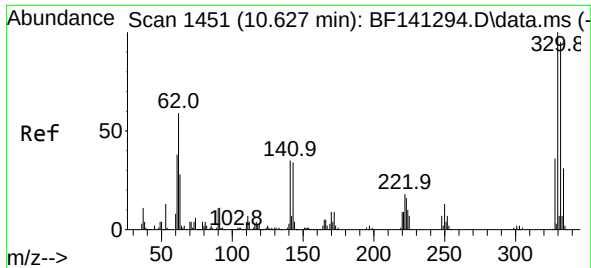
Delta R.T. -0.018 min

Lab File: BF141425.D

Acq: 04 Feb 2025 22:38

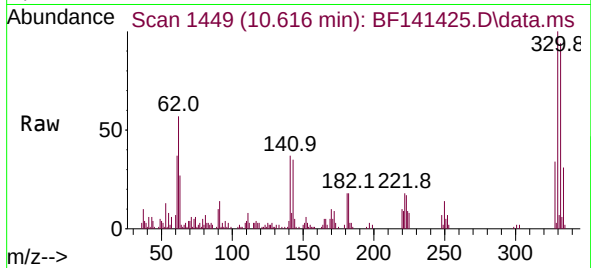
Tgt Ion:164 Resp: 166962
 Ion Ratio Lower Upper
 164 100
 162 100.4 80.6 121.0
 160 44.1 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 15.976 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.018 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38

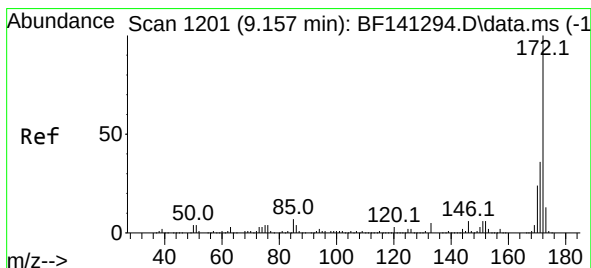
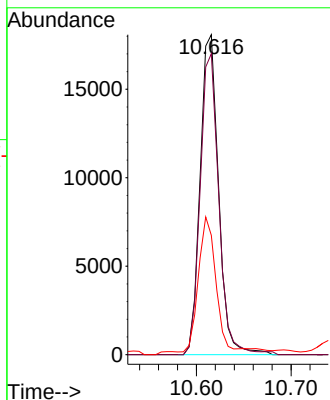
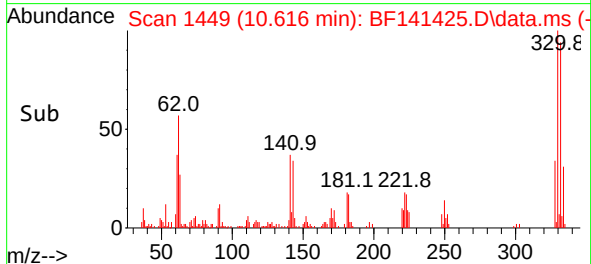
Instrument :
BNA_F
ClientSampleId :
ETGI-371DL



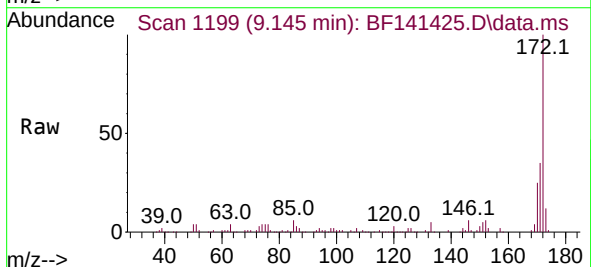
Tgt Ion: 330 Resp: 2445
Ion Ratio Lower Upper
330 100
332 94.9 76.1 114.1
141 39.9 28.8 43.2

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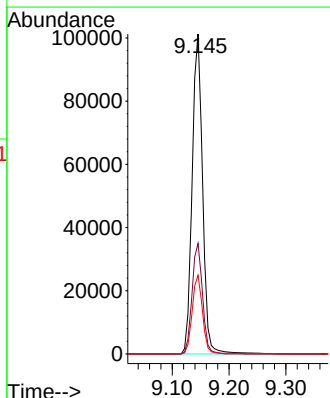
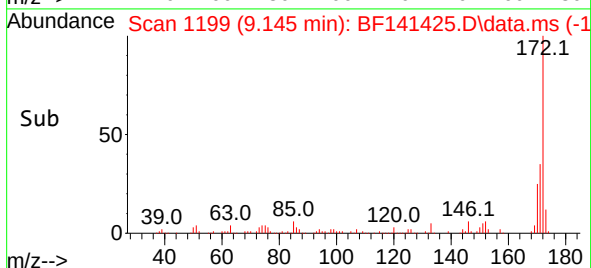
Reviewed By : Yogesh Patel 02/05/2025
Supervised By : mohammad ahmed 02/05/2025

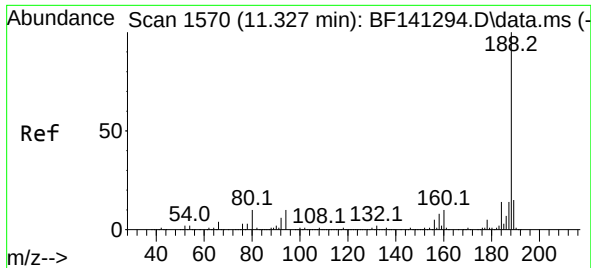


#45
2-Fluorobiphenyl
Concen: 11.998 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38



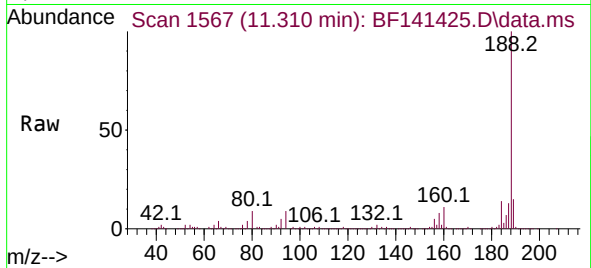
Tgt Ion: 172 Resp: 130148
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 24.6 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38

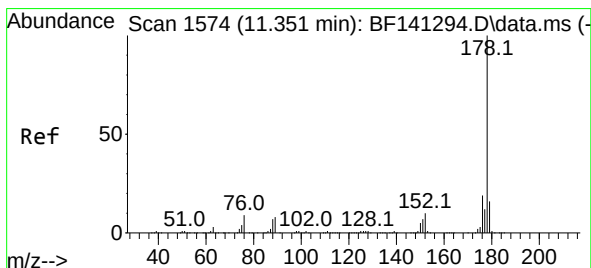
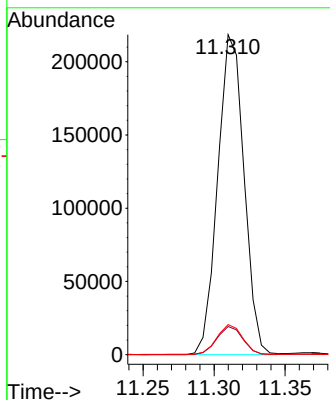
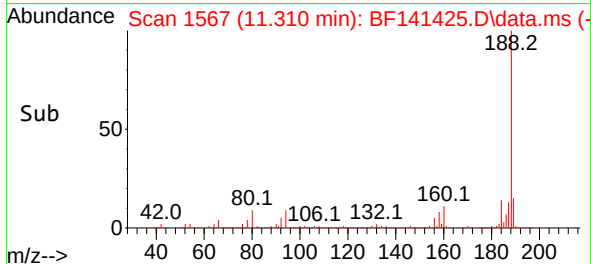
Instrument :
BNA_F
ClientSampleId :
ETGI-371DL



Tgt Ion:188 Resp: 28118
Ion Ratio Lower Upper
188 100
94 8.8 7.8 11.6
80 9.4 8.2 12.4

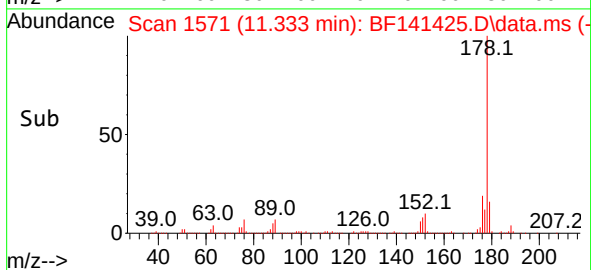
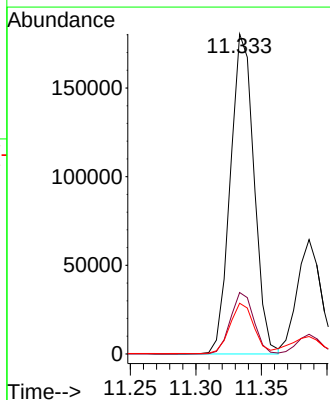
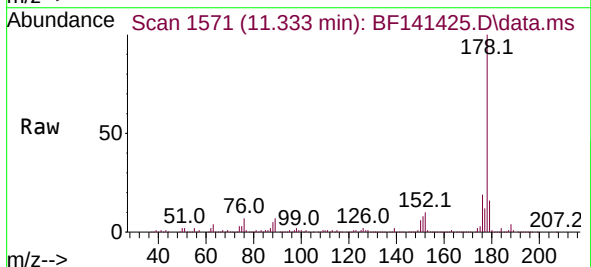
Manual Integrations
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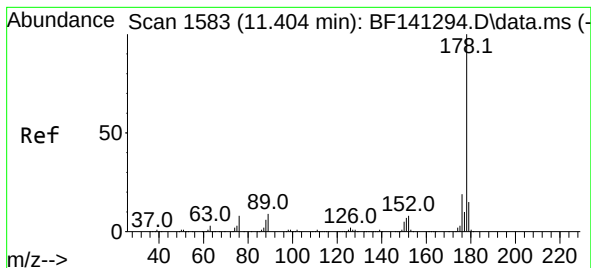
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#71
Phenanthrene
Concen: 15.009 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38

Tgt Ion:178 Resp: 226854
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.9 12.5 18.7





#72

Anthracene

Concen: 5.698 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141425.D

Acq: 04 Feb 2025 22:38

Instrument :

BNA_F

ClientSampleId :

ETGI-371DL

Tgt Ion:178 Resp: 8439

Ion Ratio Lower Upper

178 100

176 17.2 15.0 22.6

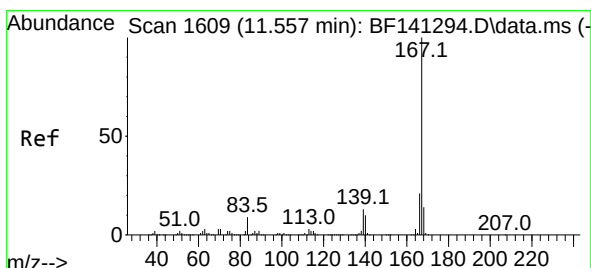
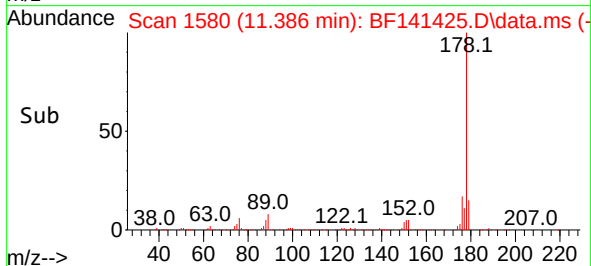
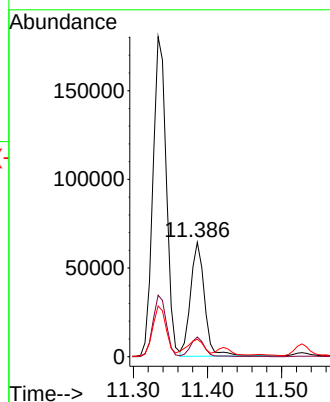
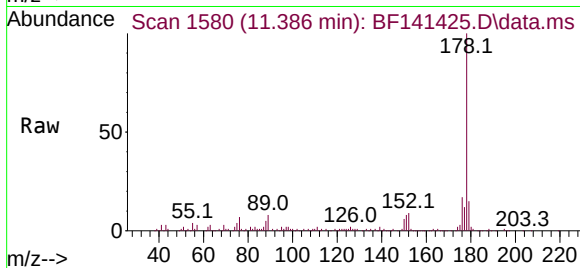
179 15.3 12.3 18.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#73

Carbazole

Concen: 3.670 ng

RT: 11.545 min Scan# 1607

Delta R.T. -0.012 min

Lab File: BF141425.D

Acq: 04 Feb 2025 22:38

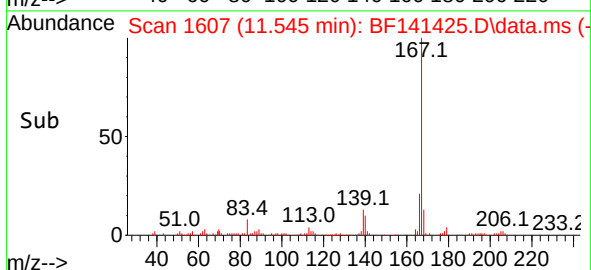
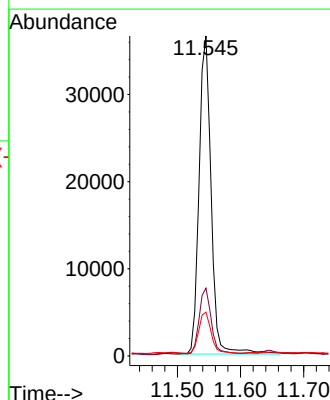
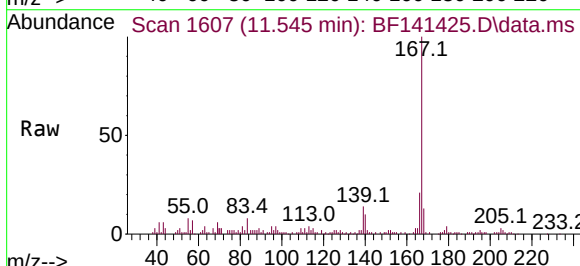
Tgt Ion:167 Resp: 48195

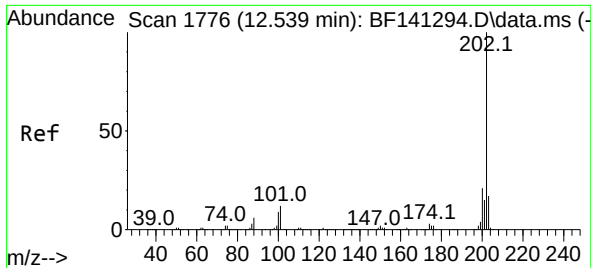
Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.6

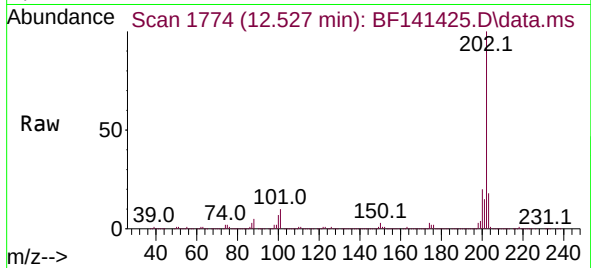
139 13.7 10.6 16.0





#75
Fluoranthene
Concen: 44.982 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38

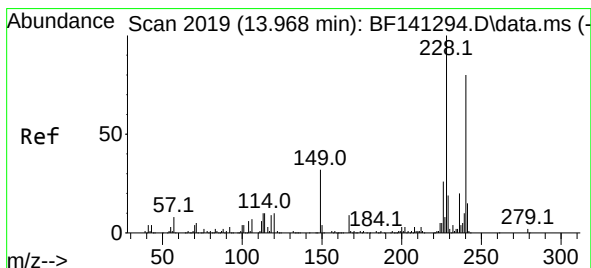
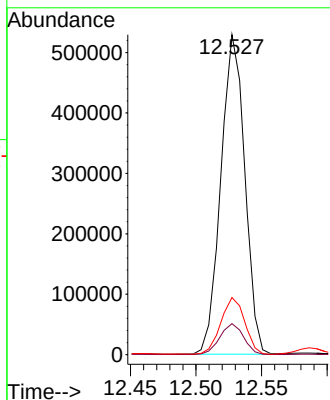
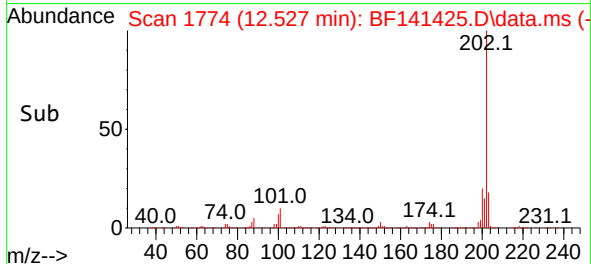
Instrument :
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ClientSampleId :
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Tgt Ion:202 Resp: 67131
Ion Ratio Lower Upper
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101 9.7 0.0 31.7
203 17.8 0.0 37.5

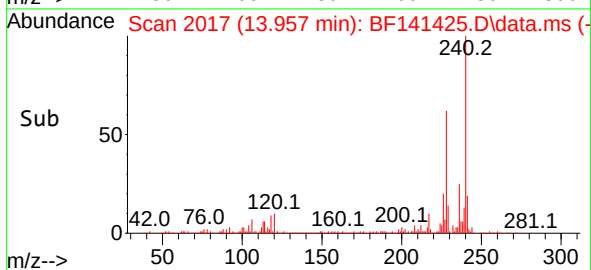
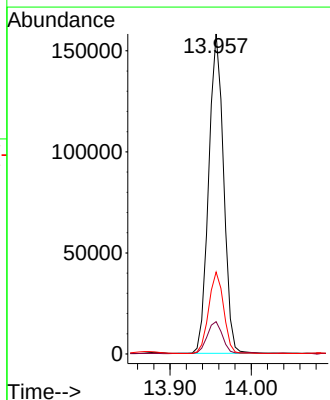
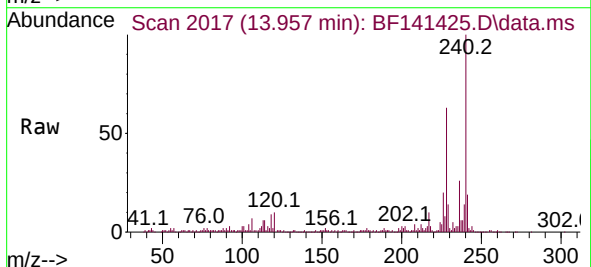
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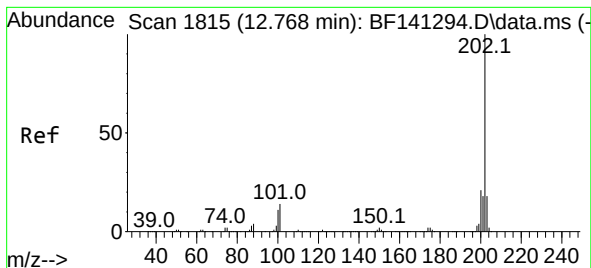
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38

Tgt Ion:240 Resp: 200969
Ion Ratio Lower Upper
240 100
120 10.1 10.0 15.0
236 25.6 19.7 29.5





#78

Pyrene

Concen: 32.446 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141425.D

Acq: 04 Feb 2025 22:38

Instrument :

BNA_F

ClientSampleId :

ETGI-371DL

Tgt Ion:202 Resp: 62591

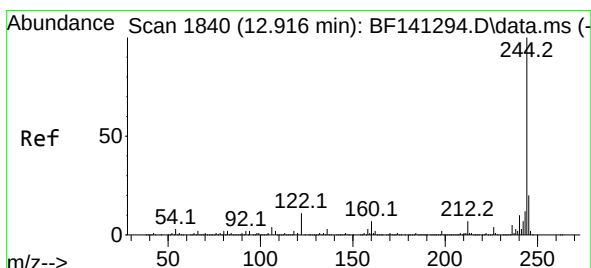
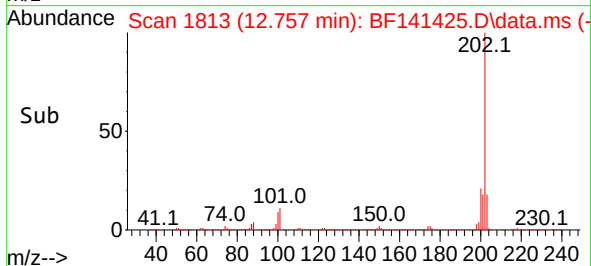
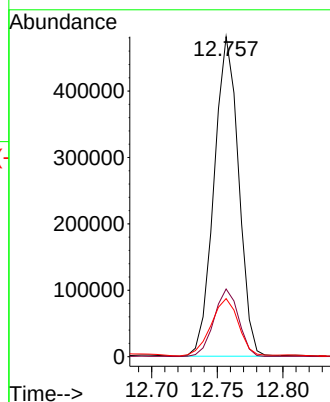
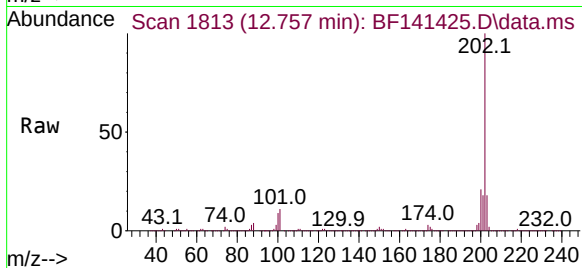
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.2	14.3	21.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#79

Terphenyl-d14

Concen: 11.386 ng

RT: 12.898 min Scan# 1837

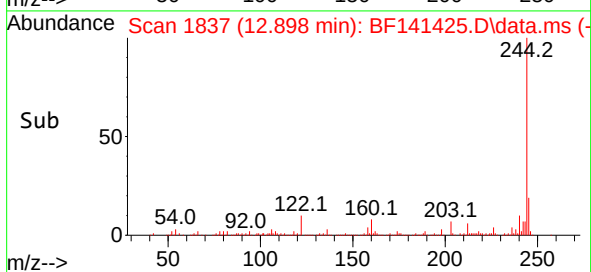
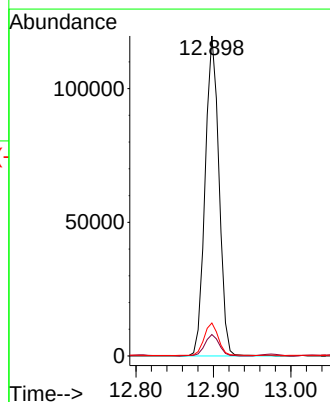
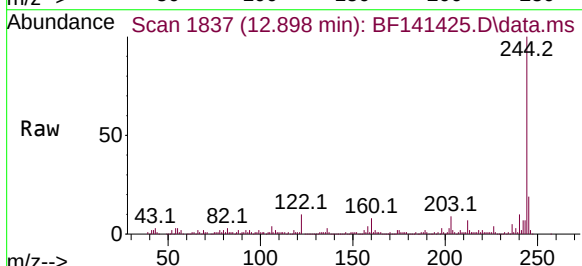
Delta R.T. -0.018 min

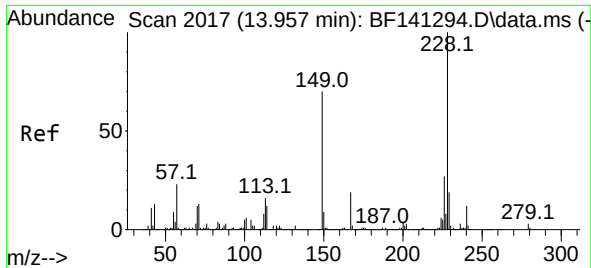
Lab File: BF141425.D

Acq: 04 Feb 2025 22:38

Tgt Ion:244 Resp: 148382

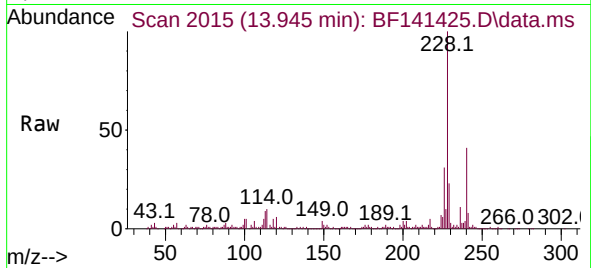
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.3	8.8	13.2





#81
Benzo(a)anthracene
Concen: 16.340 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38

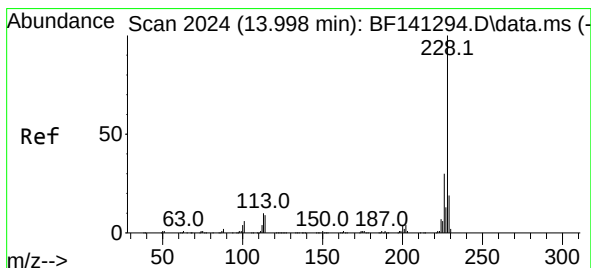
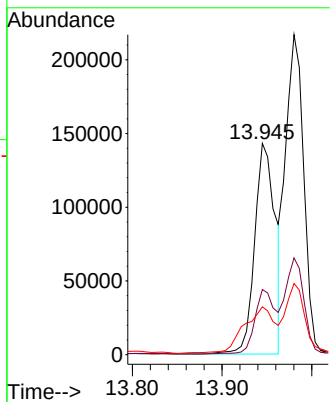
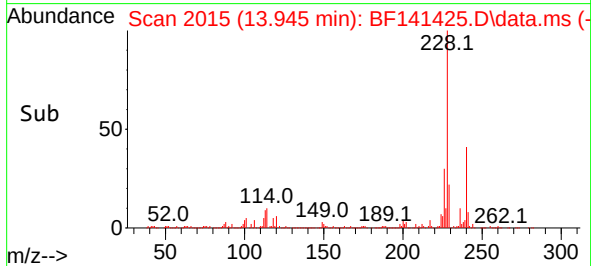
Instrument :
BNA_F
ClientSampleId :
ETGI-371DL



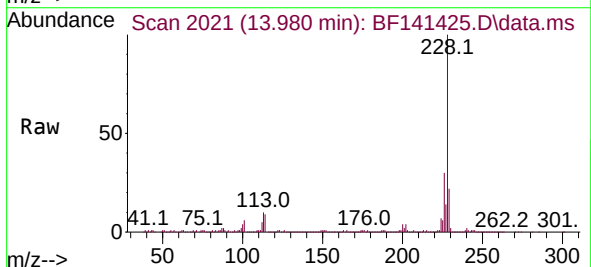
Tgt Ion:228 Resp: 22660
Ion Ratio Lower Upper
228 100
226 30.8 21.4 32.2
229 22.6 15.5 23.3

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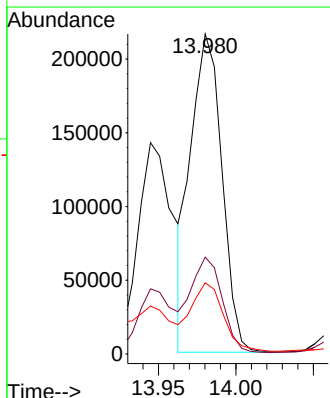
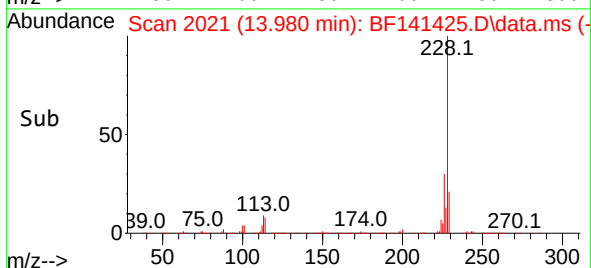
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

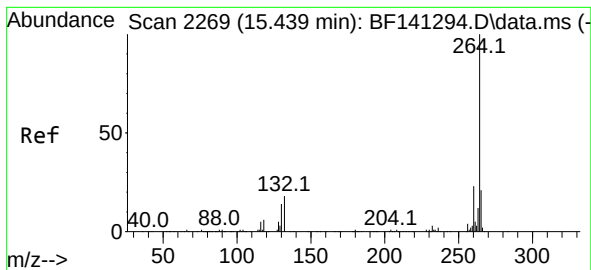


#83
Chrysene
Concen: 23.739 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.018 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38



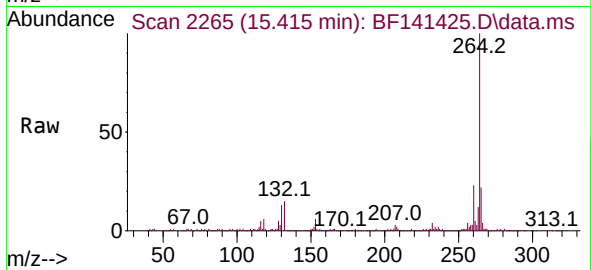
Tgt Ion:228 Resp: 301715
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 22.2 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38

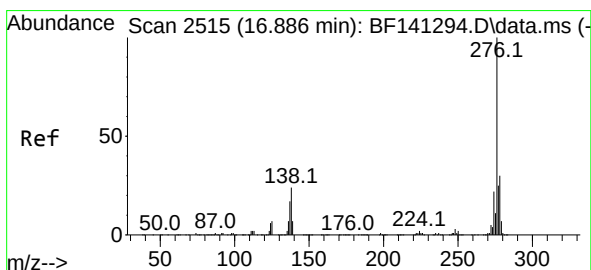
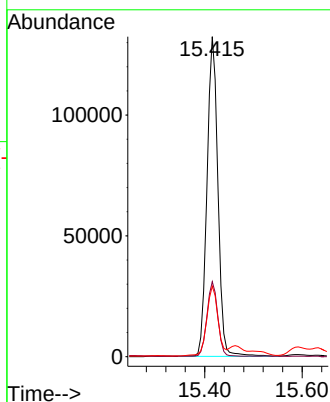
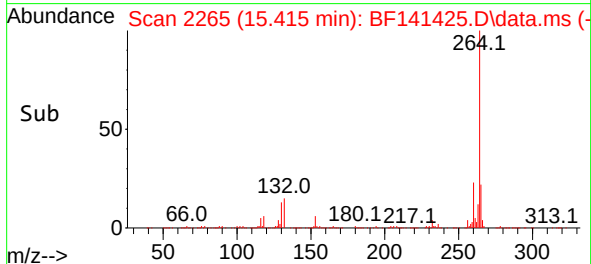
Instrument :
BNA_F
ClientSampleId :
ETGI-371DL



Tgt Ion:264 Resp: 204120
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 22.0 16.7 25.1

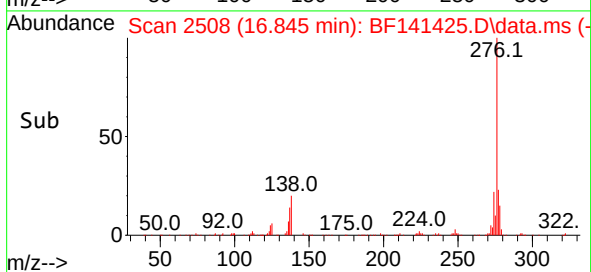
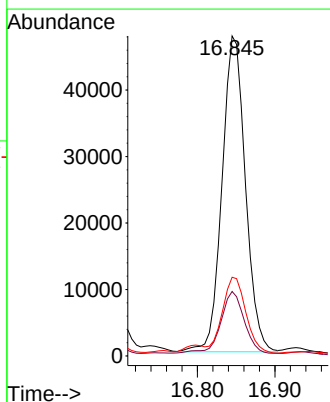
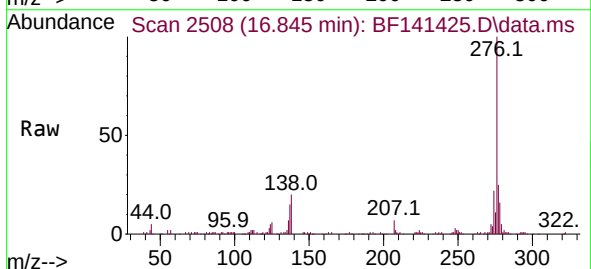
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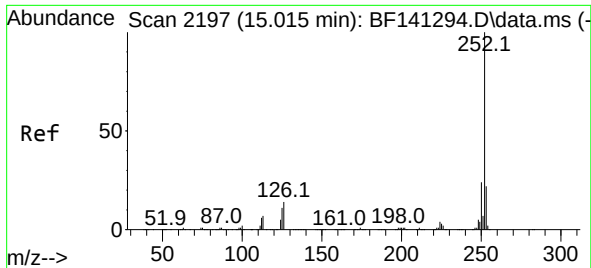
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.555 ng m
RT: 16.845 min Scan# 2508
Delta R.T. -0.053 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38

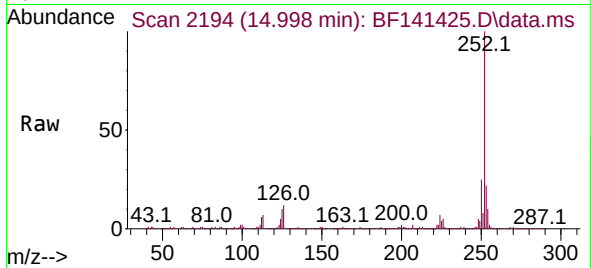
Tgt Ion:276 Resp: 99530
Ion Ratio Lower Upper
276 100
138 4.2 21.7 32.5#
277 5.1 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 26.301 ng m
RT: 14.998 min Scan# 2197
Delta R.T. -0.024 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38

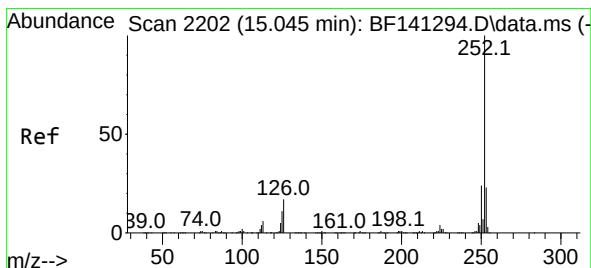
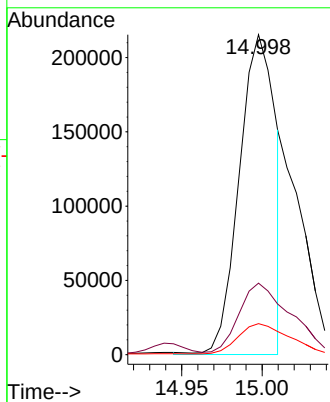
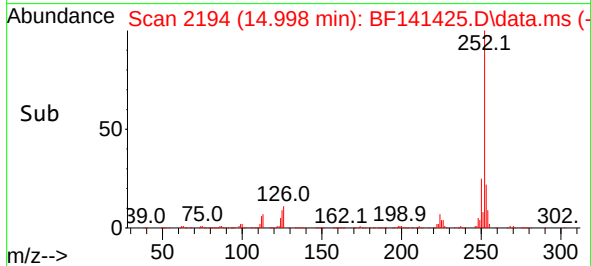
Instrument :
BNA_F
ClientSampleId :
ETGI-371DL



Tgt Ion:252 Resp: 33770
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 9.7 8.6 12.8

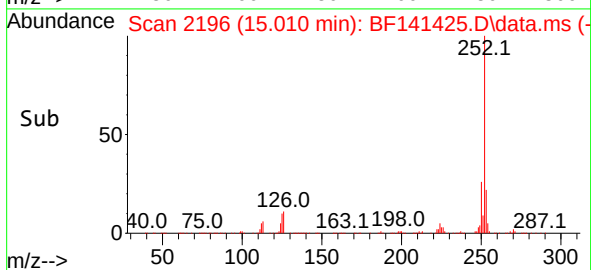
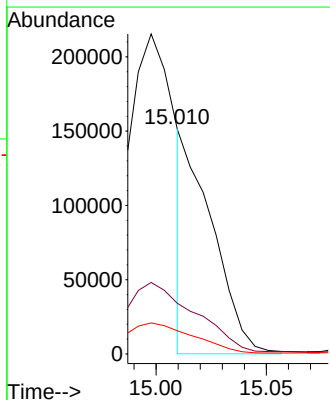
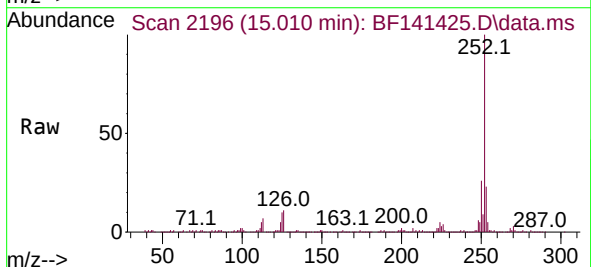
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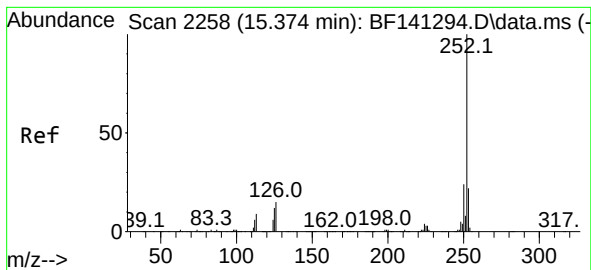
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#89
Benzo(k)fluoranthene
Concen: 11.851 ng m
RT: 15.010 min Scan# 2196
Delta R.T. -0.041 min
Lab File: BF141425.D
Acq: 04 Feb 2025 22:38

Tgt Ion:252 Resp: 134806
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 10.3 8.4 12.6





#90

Benzo(a)pyrene

Concen: 12.203 ng

RT: 15.351 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF141425.D

Acq: 04 Feb 2025 22:38

Instrument :

BNA_F

ClientSampleId :

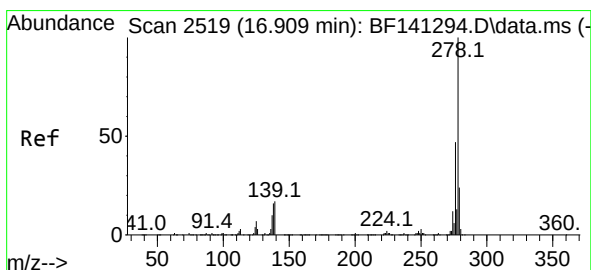
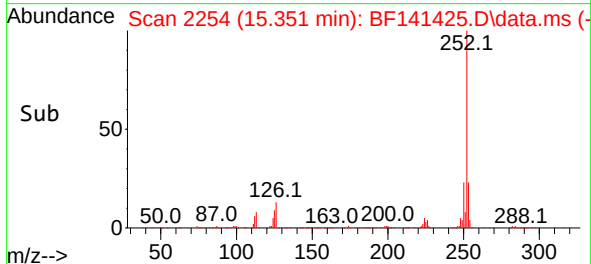
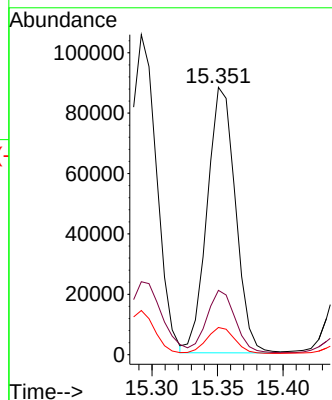
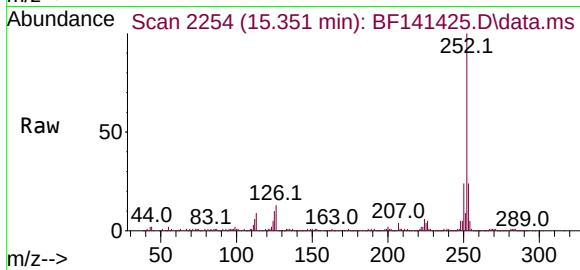
ETGI-371DL

Tgt Ion:252 Resp: 13240
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.2 25.8
 125 10.2 9.4 14.2

Manual Integrations

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Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#91

Dibenzo(a,h)anthracene

Concen: 2.512 ng m

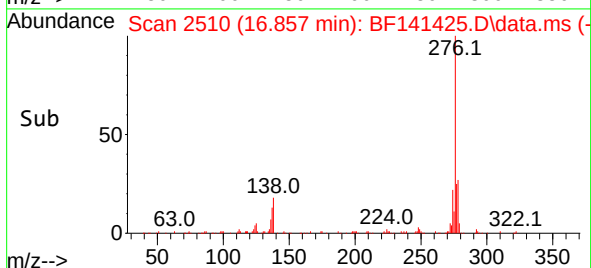
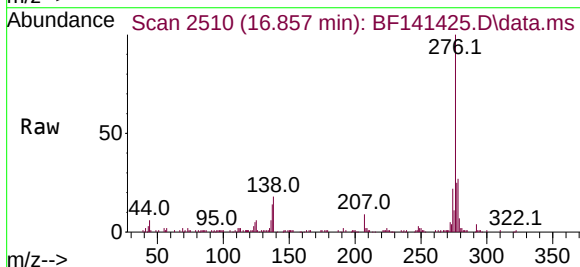
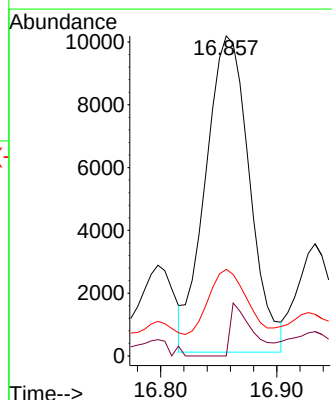
RT: 16.857 min Scan# 2510

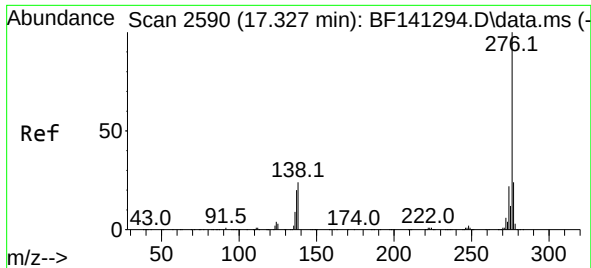
Delta R.T. -0.065 min

Lab File: BF141425.D

Acq: 04 Feb 2025 22:38

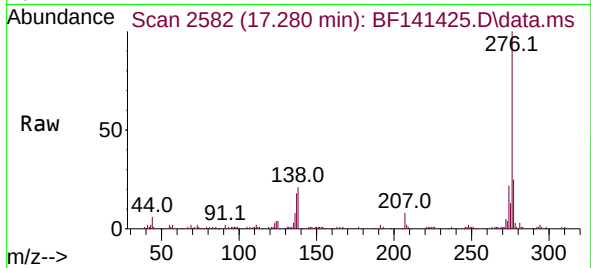
Tgt Ion:278 Resp: 26628
 Ion Ratio Lower Upper
 278 100
 139 0.0 13.9 20.9#
 279 27.0 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 7.848 ng
 RT: 17.280 min Scan# 21
 Delta R.T. -0.065 min
 Lab File: BF141425.D
 Acq: 04 Feb 2025 22:38

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-371DL



Tgt Ion:276 Resp: 86500
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.2 28.8
 138 21.0 19.0 28.4

Manual Integrations
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Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

