

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090624\
 Data File : BF139275.D
 Acq On : 06 Sep 2024 14:02
 Operator : RC/JU
 Sample : P3852-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI356

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/07/2024
 Supervised By :mohammad ahmed 09/07/2024

Quant Time: Sep 06 14:28:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	99421	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	327157	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	148854	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	225859	20.000	ng	# 0.01
76) Chrysene-d12	14.104	240	114828	20.000	ng	# 0.05
86) Perylene-d12	15.580	264	106765	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	415777	69.959	ng	0.00
7) Phenol-d6	6.510	99	527450	66.480	ng	0.00
23) Nitrobenzene-d5	7.445	82	318577	50.658	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	90112	70.105	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	499954	51.846	ng	0.00
79) Terphenyl-d14	13.045	244	376906	52.996	ng	0.05
Target Compounds						Qvalue
71) Phenanthrene	11.451	178	169526	16.067	ng	# 81
75) Fluoranthene	12.668	202	477666	45.157	ng	94
78) Pyrene	12.898	202	370115	33.366	ng	# 93
81) Benzo(a)anthracene	14.098	228	126223	17.215	ng	# 90
83) Chrysene	14.127	228	157959	23.082	ng	# 96
84) Bis(2-ethylhexyl)phtha...	14.074	149	289513	94.460	ng	# 90
87) Indeno(1,2,3-cd)pyrene	17.051	276	70908	10.631	ng	# 93
88) Benzo(b)fluoranthene	15.151	252	177763m	28.911	ng	
89) Benzo(k)fluoranthene	15.168	252	46971m	8.520	ng	
90) Benzo(a)pyrene	15.515	252	89082	17.062	ng	# 28
91) Dibenzo(a,h)anthracene	17.062	278	17133	3.117	ng	# 26
92) Benzo(g,h,i)perylene	17.498	276	66781	11.770	ng	# 92

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

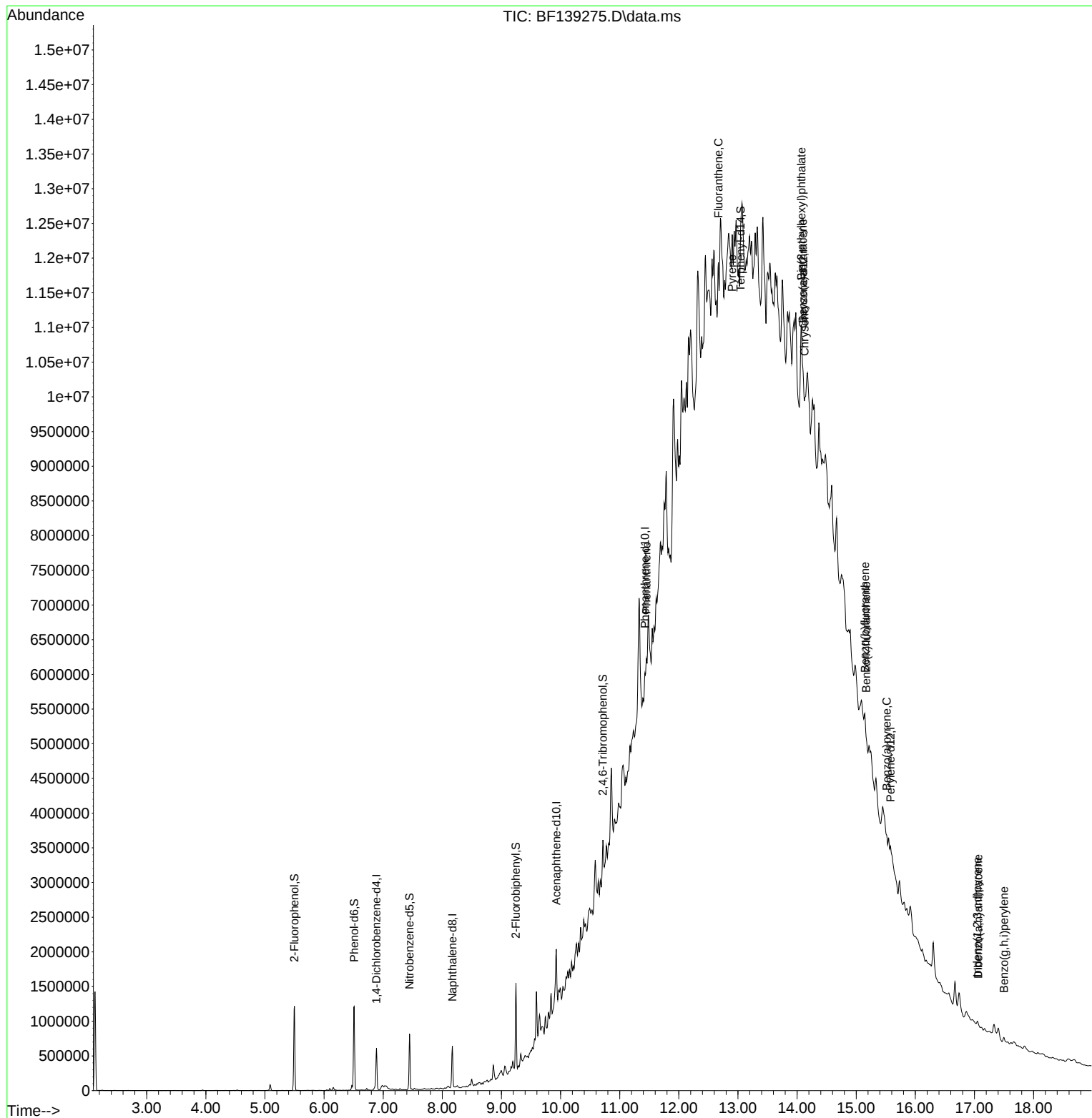
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090624\
Data File : BF139275.D
Acq On : 06 Sep 2024 14:02
Operator : RC/JU
Sample : P3852-04
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ALS Vial : 10 Sample Multiplier: 1

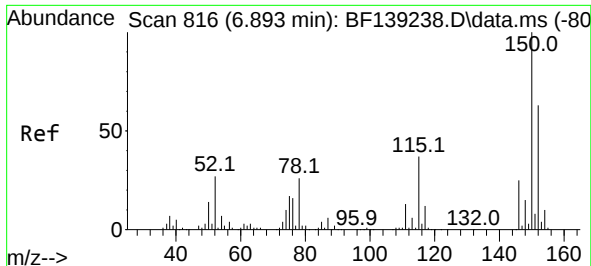
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
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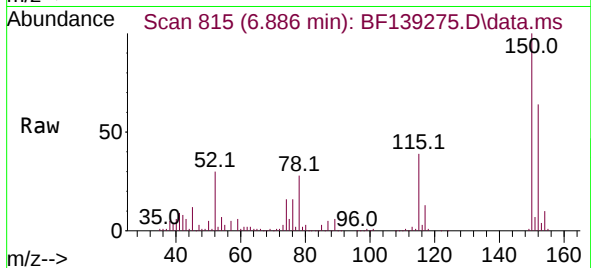
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

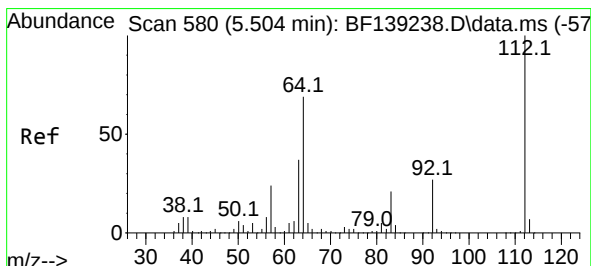
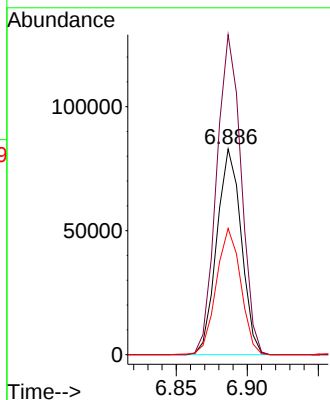
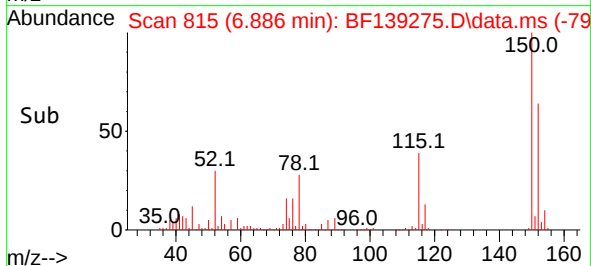
Instrument :
BNA_F
ClientSampleId :
ETGI356



Tgt Ion:152 Resp: 9942
Ion Ratio Lower Upper
152 100
150 155.6 127.0 190.4
115 61.4 46.9 70.3

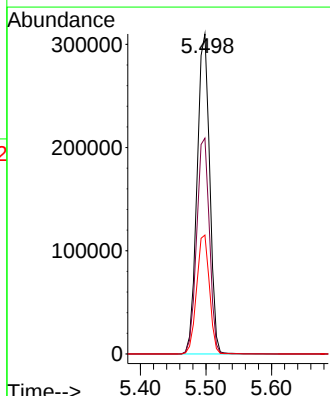
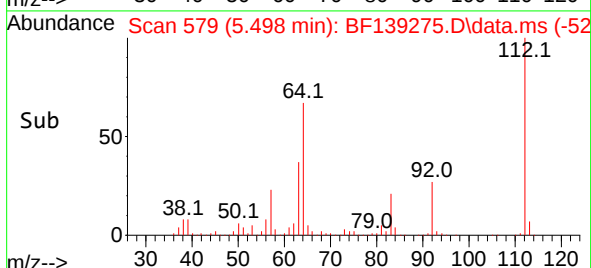
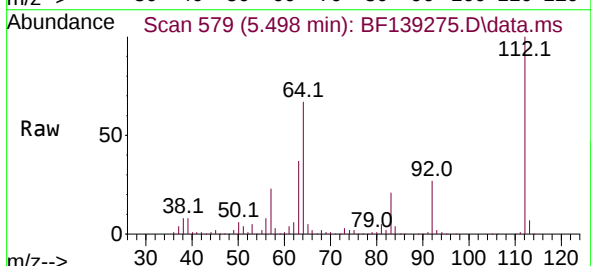
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Supervised By :mohammad ahmed 09/07/2024



#5
2-Fluorophenol
Concen: 69.959 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

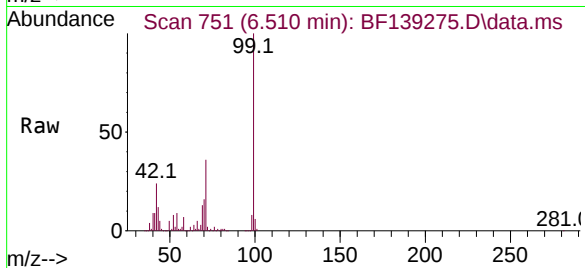
Tgt Ion:112 Resp: 415777
Ion Ratio Lower Upper
112 100
64 67.4 55.0 82.4
63 37.2 29.9 44.9





#7
Phenol-d6
Concen: 66.480 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

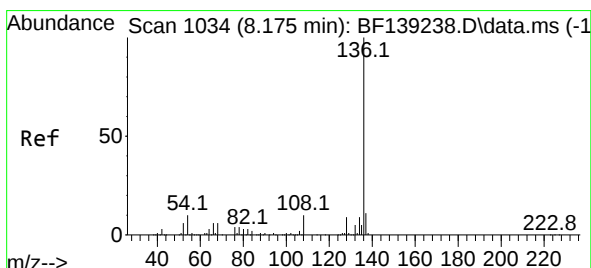
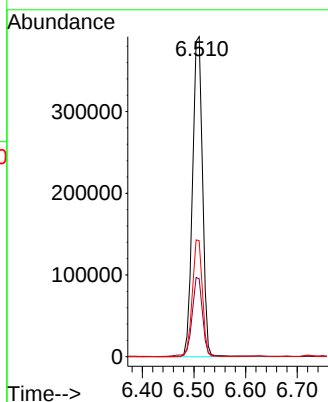
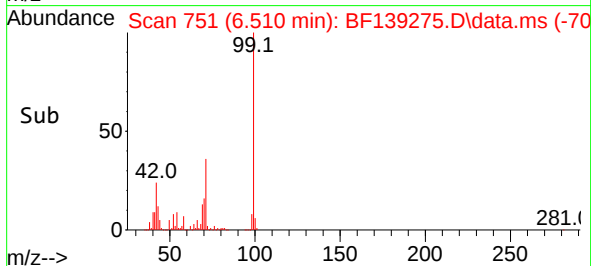
Instrument :
BNA_F
ClientSampleId :
ETGI356



Tgt Ion: 99 Resp: 527450
Ion Ratio Lower Upper
99 100
42 24.3 19.8 29.6
71 36.3 28.8 43.2

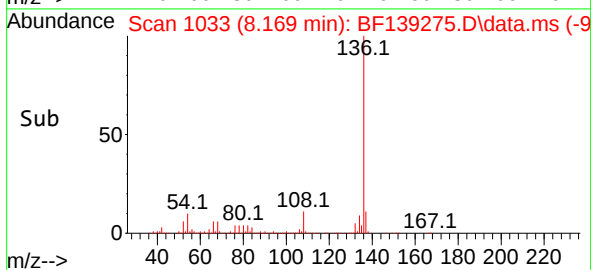
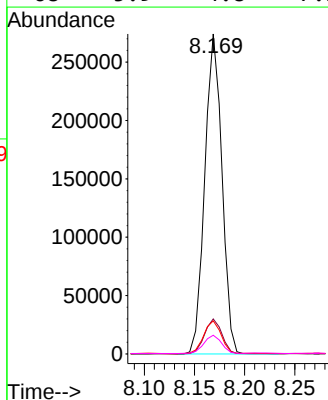
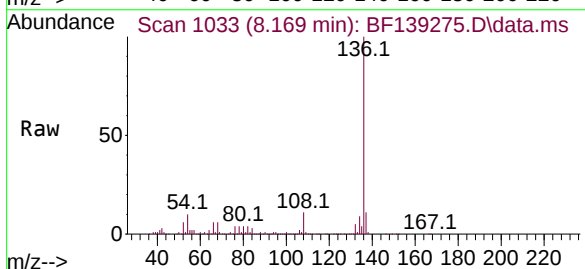
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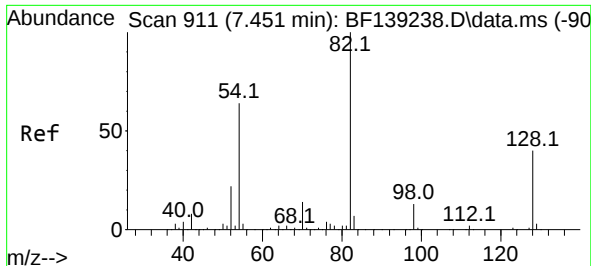
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

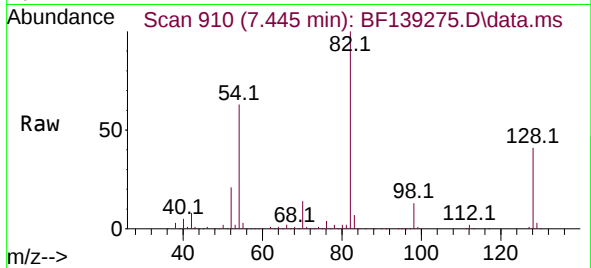
Tgt Ion:136 Resp: 327157
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.4 8.4 12.6
68 5.9 4.8 7.2





#23
Nitrobenzene-d5
Concen: 50.658 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

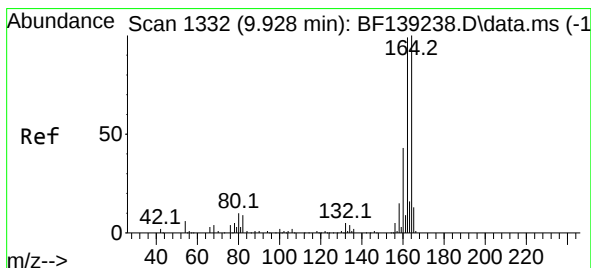
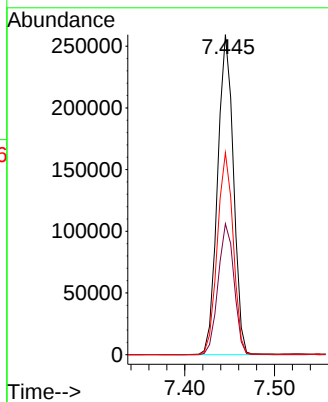
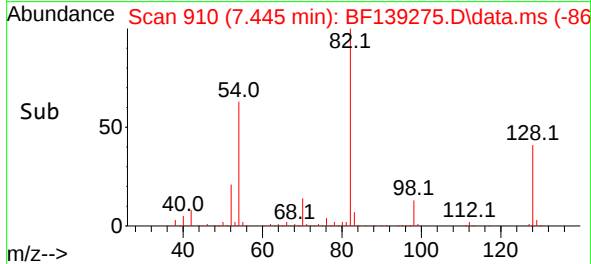
Instrument :
BNA_F
ClientSampleId :
ETGI356



Tgt Ion: 82 Resp: 31857
Ion Ratio Lower Upper
82 100
128 40.9 32.3 48.5
54 63.1 51.2 76.8

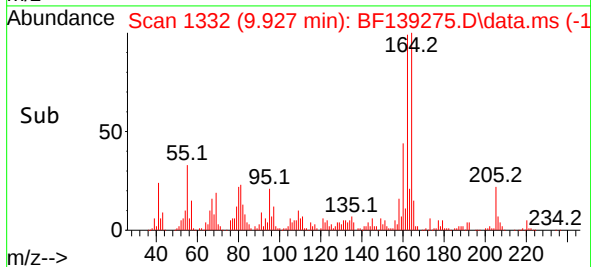
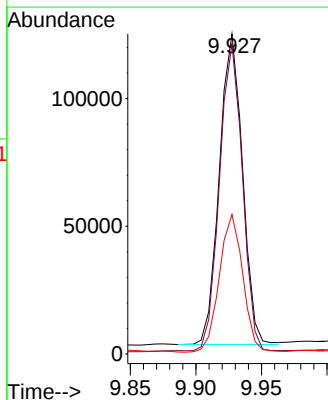
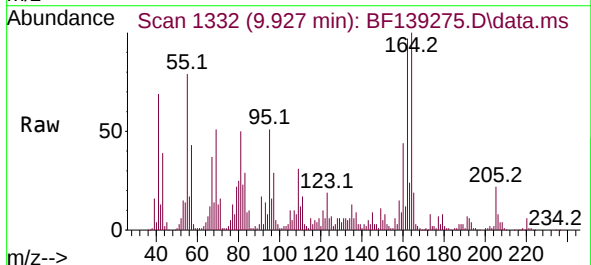
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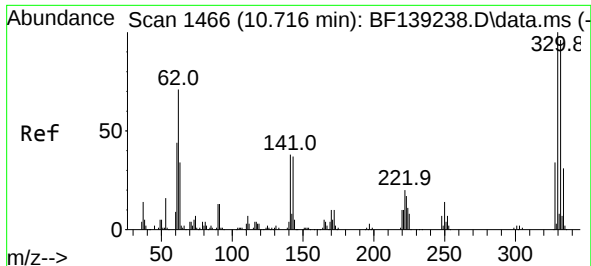
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

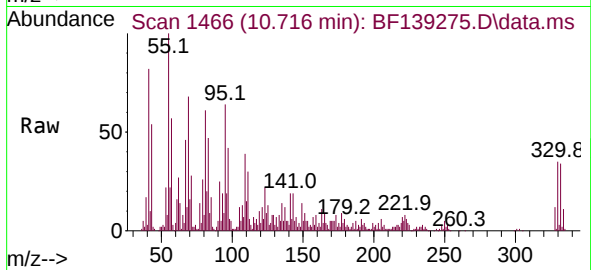
Tgt Ion:164 Resp: 148854
Ion Ratio Lower Upper
164 100
162 96.9 79.2 118.8
160 43.6 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 70.105 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

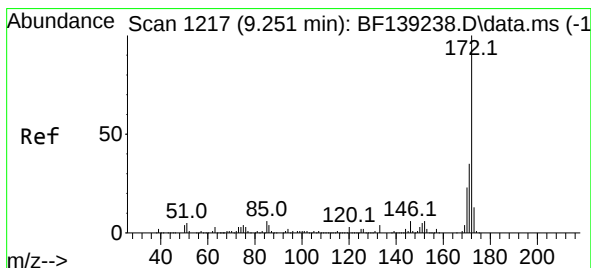
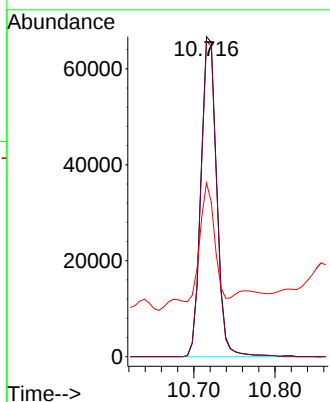
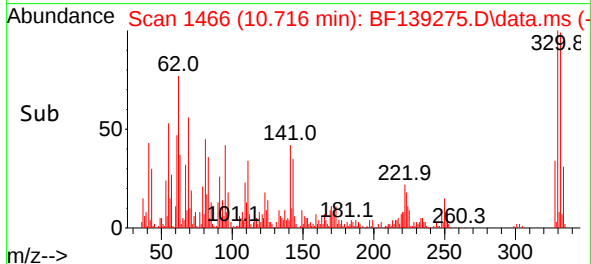
Instrument :
BNA_F
ClientSampleId :
ETGI356



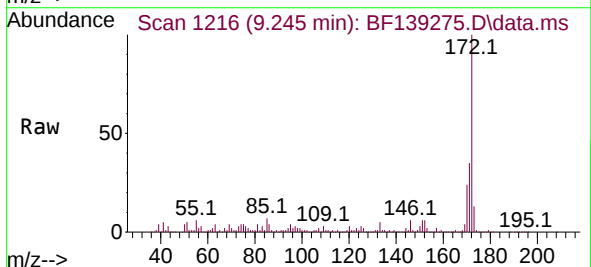
Tgt Ion: 330 Resp: 90112
Ion Ratio Lower Upper
330 100
332 98.3 76.6 115.0
141 33.6 30.1 45.1

Manual Integrations
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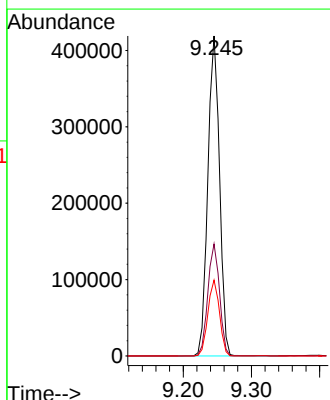
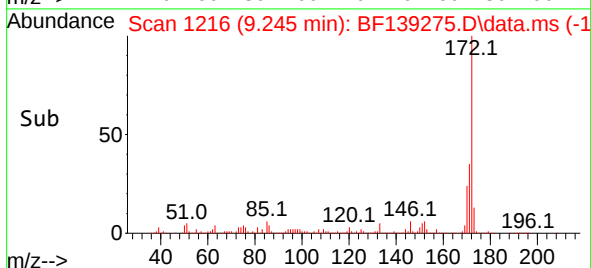
Reviewed By : Yogesh Patel 09/07/2024
Supervised By : mohammad ahmed 09/07/2024

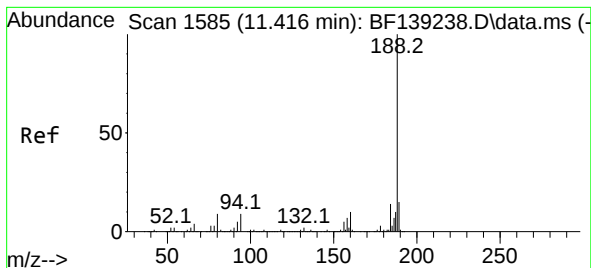


#45
2-Fluorobiphenyl
Concen: 51.846 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02



Tgt Ion: 172 Resp: 499954
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.7 18.7 28.1





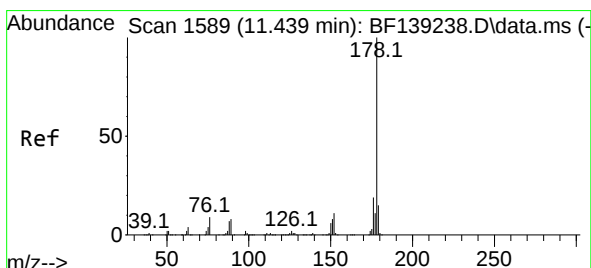
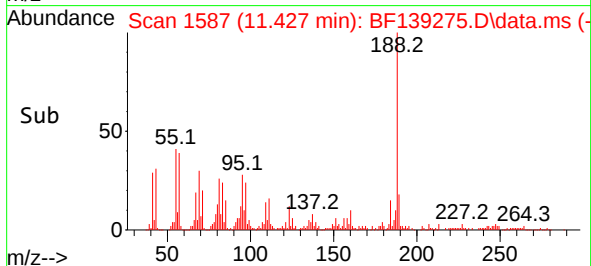
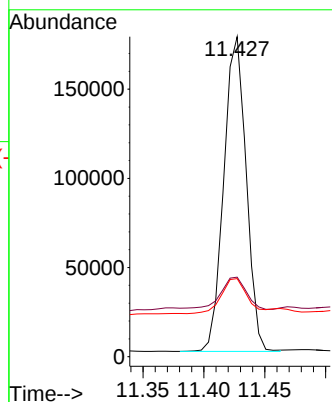
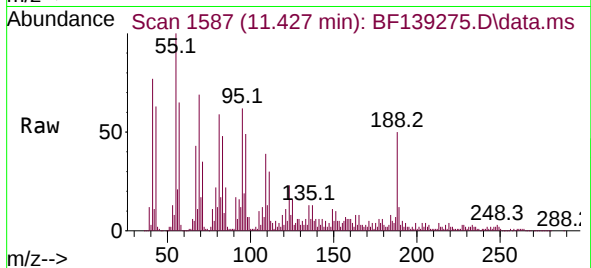
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1585
Delta R.T. 0.011 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

Instrument :
BNA_F
ClientSampleId :
ETGI356

Tgt Ion:188 Resp: 225859
Ion Ratio Lower Upper
188 100
94 24.8 7.0 10.4
80 24.4 7.3 10.9

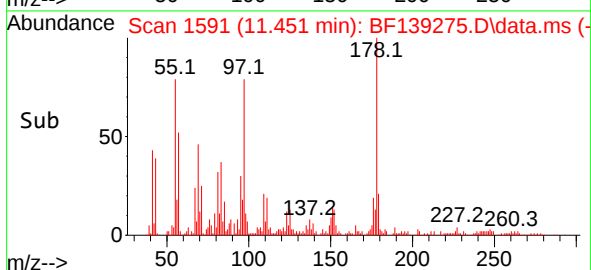
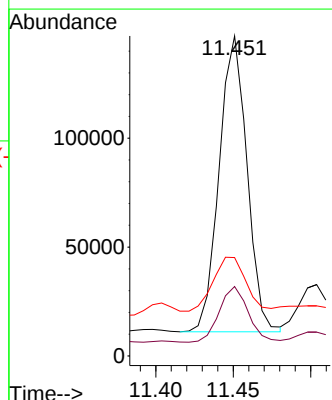
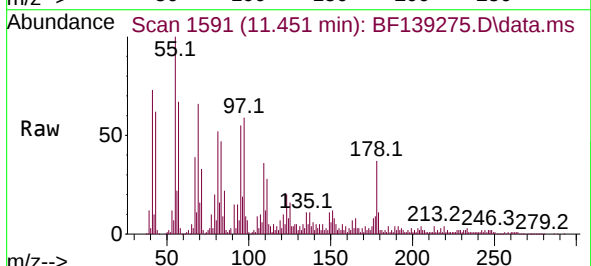
Manual Integrations
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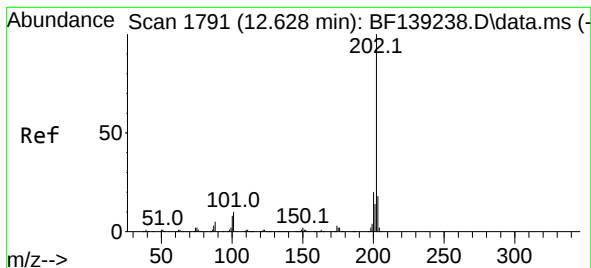
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024



#71
Phenanthrene
Concen: 16.067 ng
RT: 11.451 min Scan# 1591
Delta R.T. 0.011 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

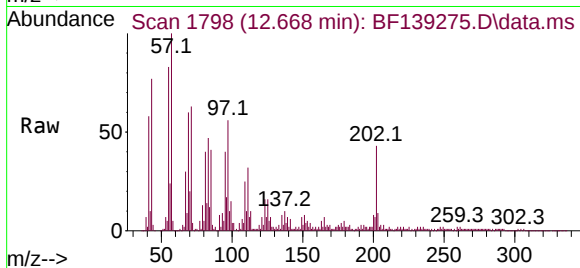
Tgt Ion:178 Resp: 169526
Ion Ratio Lower Upper
178 100
176 21.7 15.4 23.0
179 30.7 12.3 18.5





#75
Fluoranthene
Concen: 45.157 ng
RT: 12.668 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

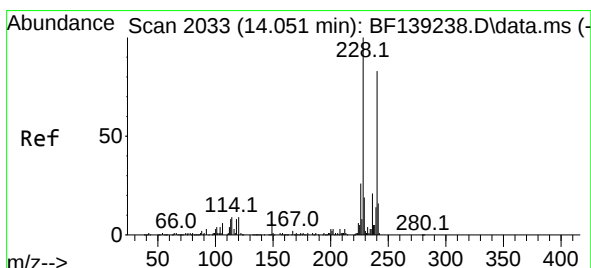
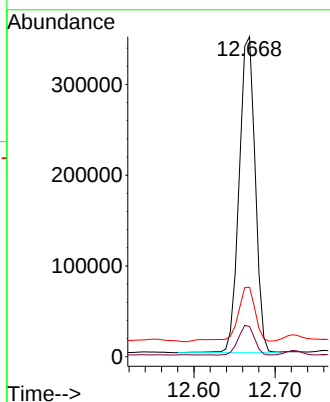
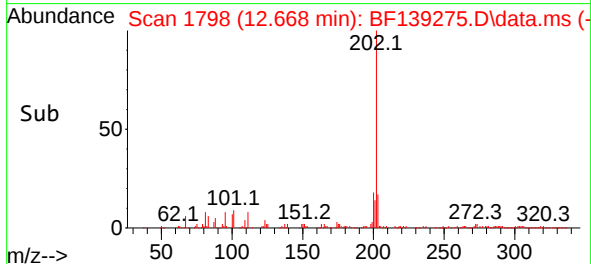
Instrument :
BNA_F
ClientSampleId :
ETGI356



Tgt Ion:202 Resp: 477660
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.9
203 21.7 0.0 37.7

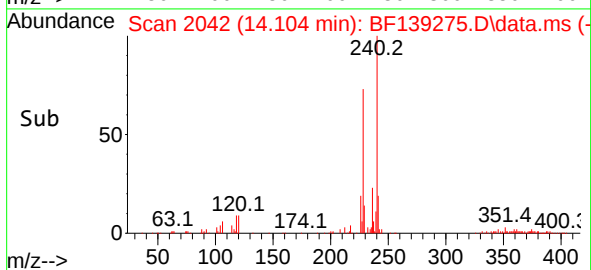
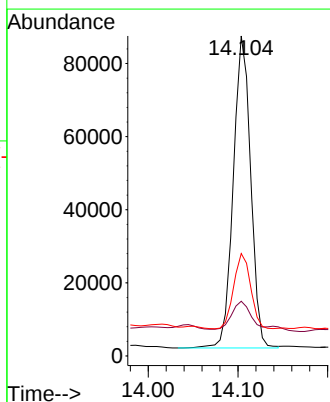
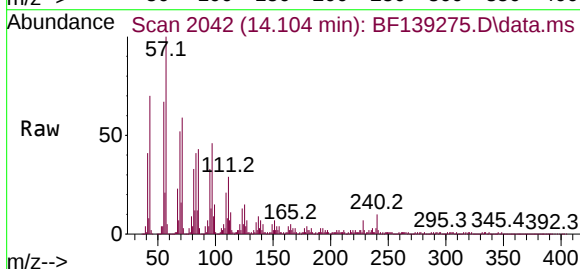
Manual Integrations
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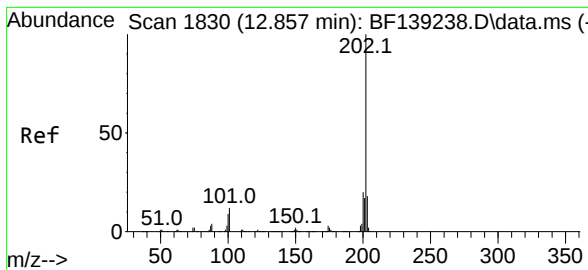
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2042
Delta R.T. 0.053 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

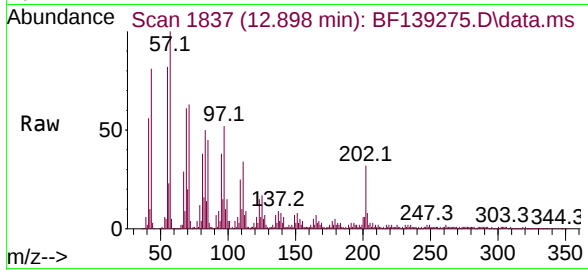
Tgt Ion:240 Resp: 114828
Ion Ratio Lower Upper
240 100
120 17.1 8.6 12.8#
236 32.0 20.7 31.1#





#78
Pyrene
Concen: 33.366 ng
RT: 12.898 min Scan# 1837
Delta R.T. 0.041 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

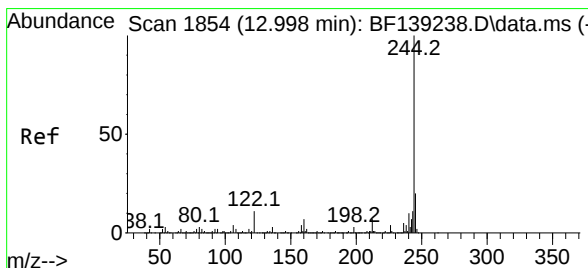
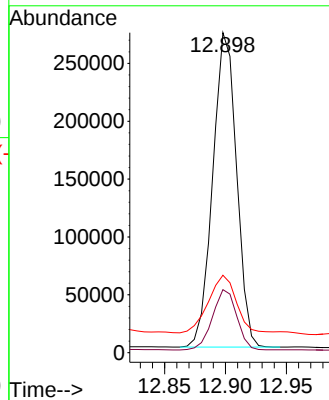
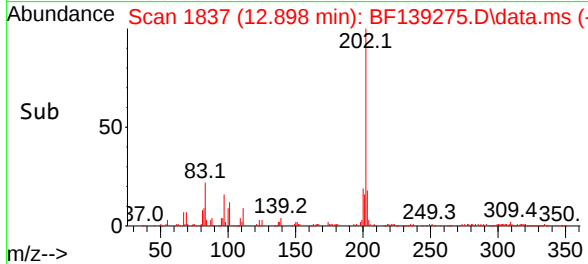
Instrument :
BNA_F
ClientSampleId :
ETGI356



Tgt Ion:202 Resp: 370111
Ion Ratio Lower Upper
202 100
200 19.7 15.8 23.8
203 24.2 14.1 21.1

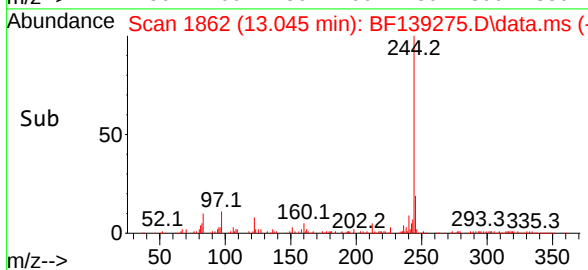
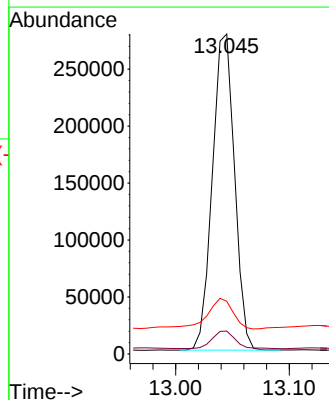
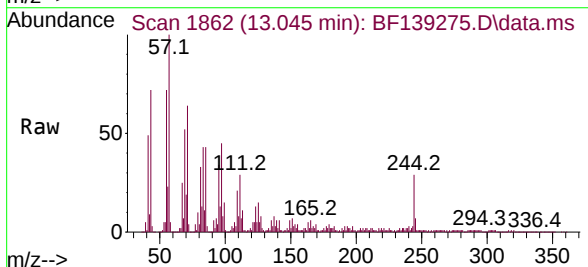
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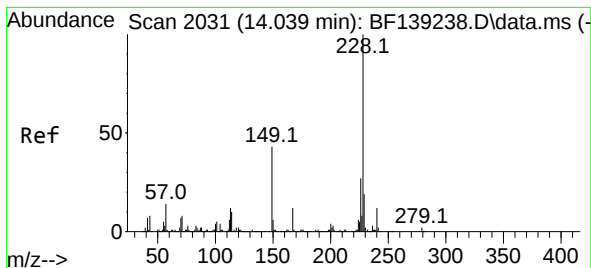
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024



#79
Terphenyl-d14
Concen: 52.996 ng
RT: 13.045 min Scan# 1862
Delta R.T. 0.047 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

Tgt Ion:244 Resp: 376906
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 16.5 8.7 13.1





#81

Benzo(a)anthracene

Concen: 17.215 ng

RT: 14.098 min Scan# 2041

Delta R.T. 0.059 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Instrument :

BNF

ClientSampleId :

ETGI356

Tgt Ion:228 Resp: 12622

Ion Ratio Lower Upper

228 100

226 30.6 21.5 32.3

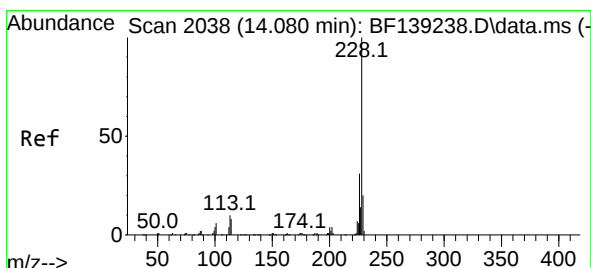
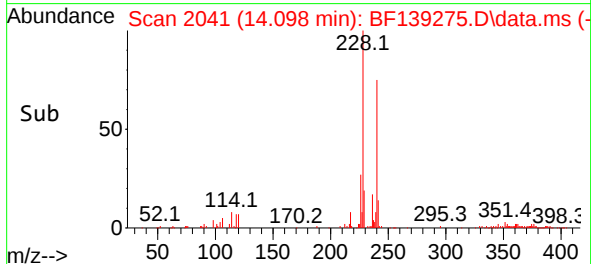
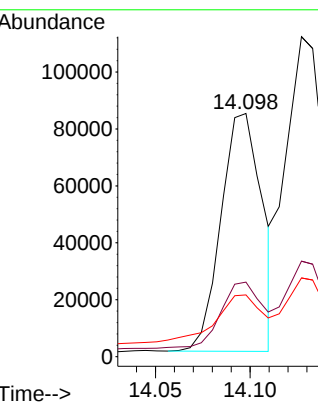
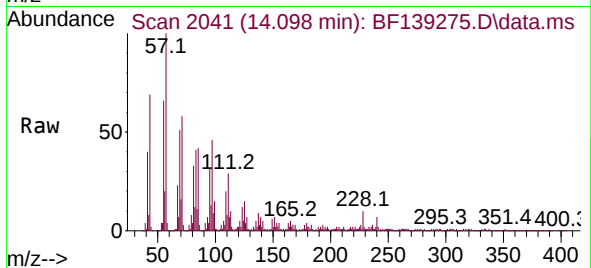
229 25.4 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/07/2024

Supervised By :mohammad ahmed 09/07/2024



#83

Chrysene

Concen: 23.082 ng

RT: 14.127 min Scan# 2046

Delta R.T. 0.047 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

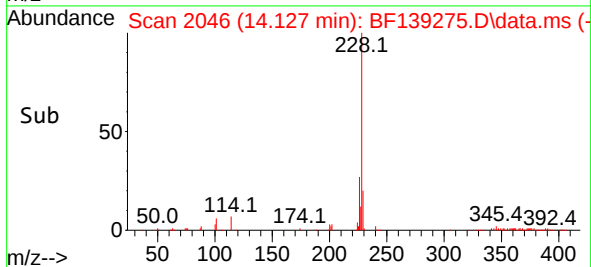
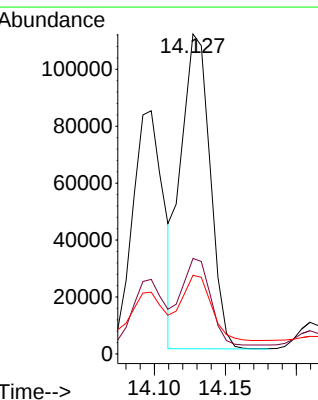
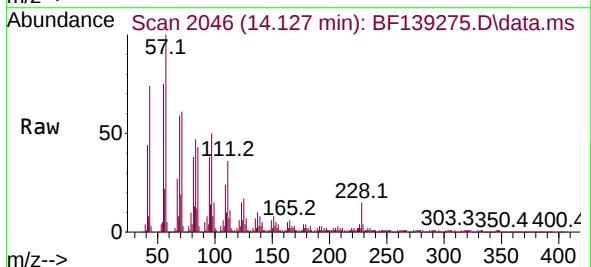
Tgt Ion:228 Resp: 157959

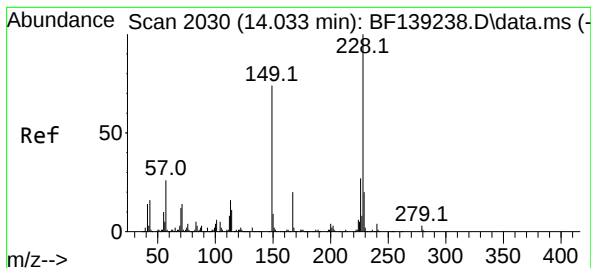
Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

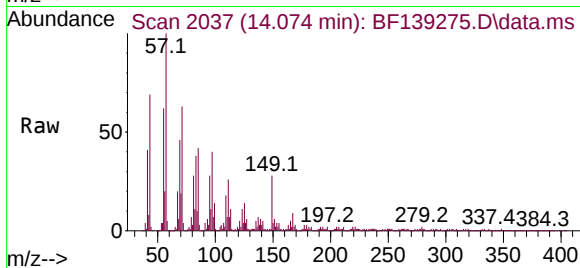
229 24.6 15.8 23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 94.460 ng
RT: 14.074 min Scan# 2030
Delta R.T. 0.041 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

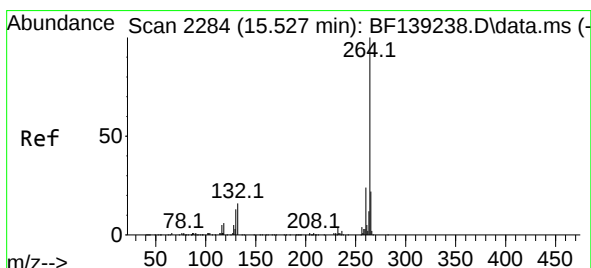
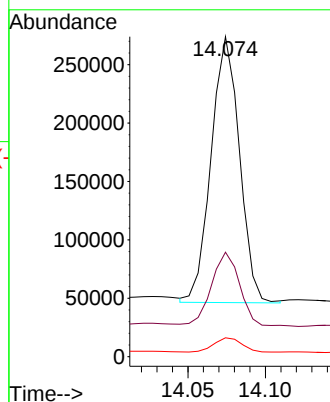
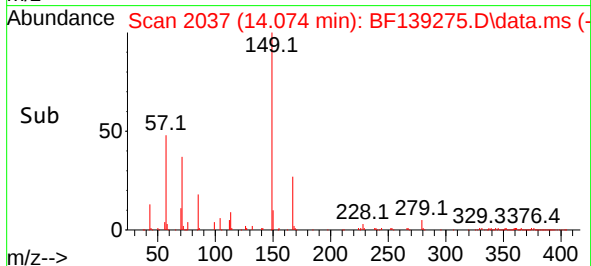
Instrument :
BNA_F
ClientSampleId :
ETGI356



Tgt Ion:149 Resp: 28951
Ion Ratio Lower Upper
149 100
167 32.6 21.8 32.6
279 5.9 3.0 4.6

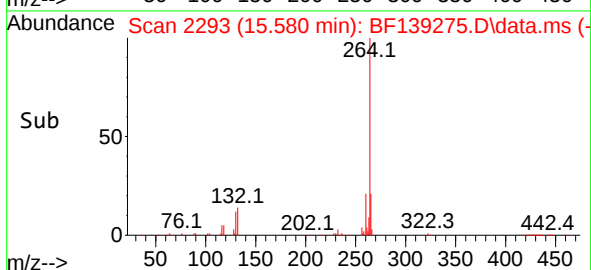
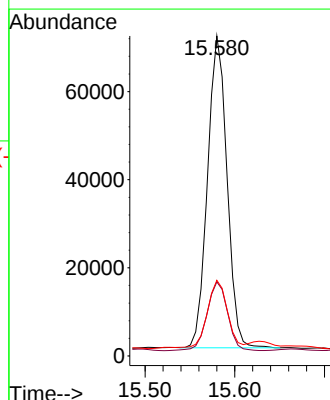
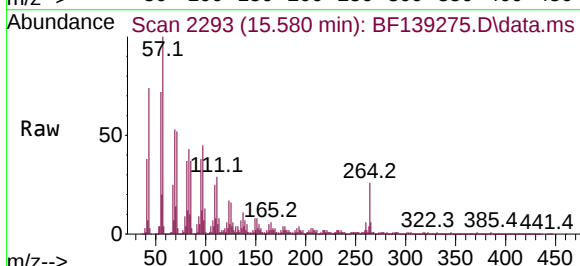
Manual Integrations
APPROVED

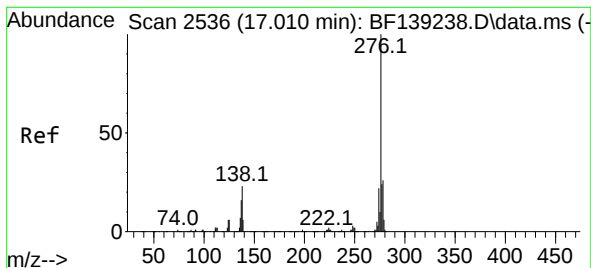
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2293
Delta R.T. 0.053 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

Tgt Ion:264 Resp: 106765
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 23.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.631 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Instrument :

BNA_F

ClientSampleId :

ETGI356

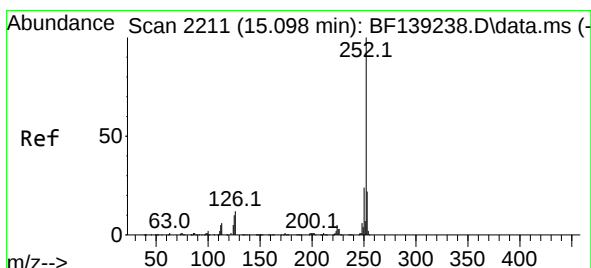
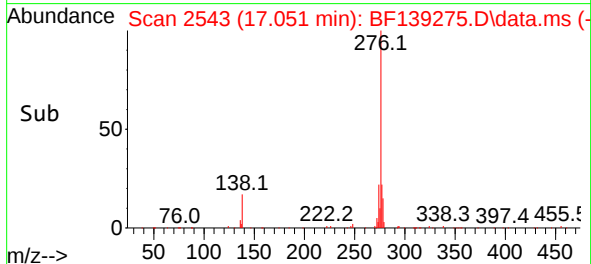
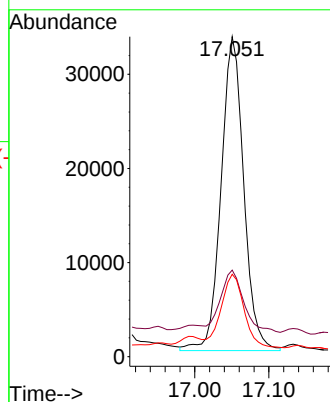
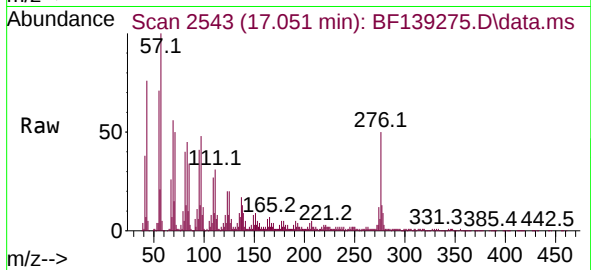
Tgt Ion:	276	Resp:	70908
Ion Ratio	Lower	Upper	
276	100		
138	20.2	20.4	30.6
277	23.9	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/07/2024

Supervised By :mohammad ahmed 09/07/2024



#88

Benzo(b)fluoranthene

Concen: 28.911 ng m

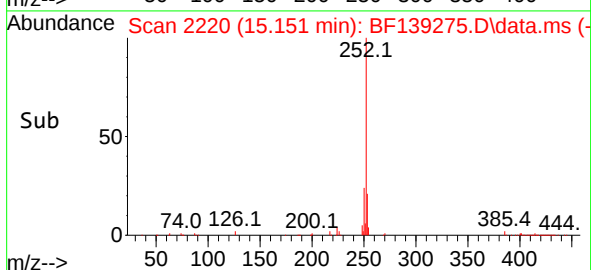
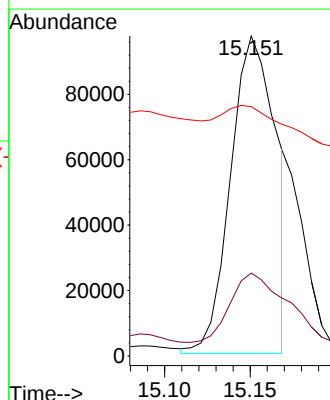
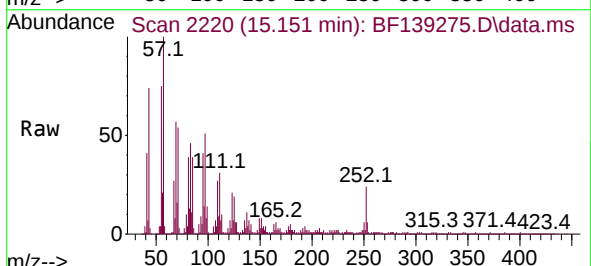
RT: 15.151 min Scan# 2220

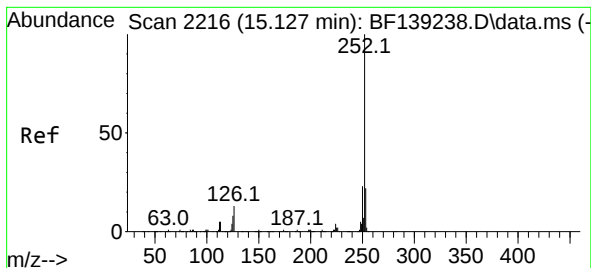
Delta R.T. 0.053 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Tgt Ion:	252	Resp:	177763
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.6	26.4
125	77.9	7.6	11.4





#89

Benzo(k)fluoranthene

Concen: 8.520 ng m

RT: 15.168 min Scan# 2216

Delta R.T. 0.041 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Instrument :

BNF

ClientSampleId :

ETGI356

Tgt Ion:252 Resp: 4697

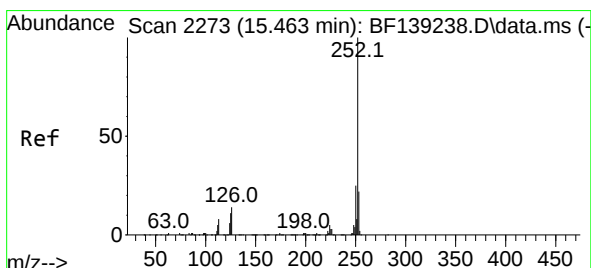
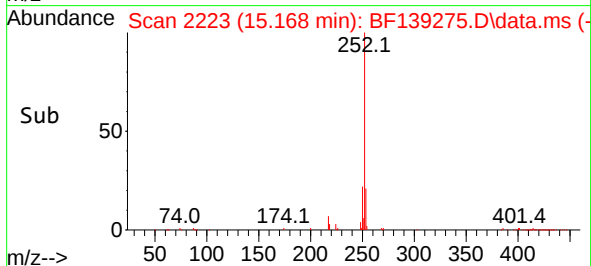
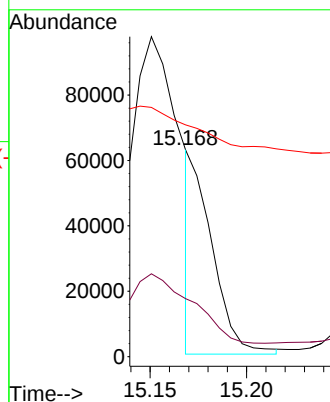
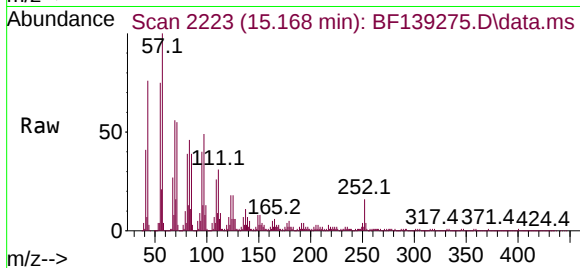
Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.6	26.4
125	112.0	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/07/2024

Supervised By :mohammad ahmed 09/07/2024



#90

Benzo(a)pyrene

Concen: 17.062 ng

RT: 15.515 min Scan# 2282

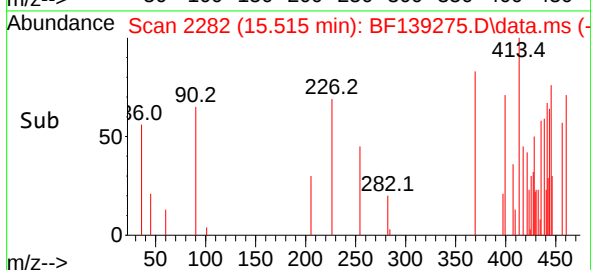
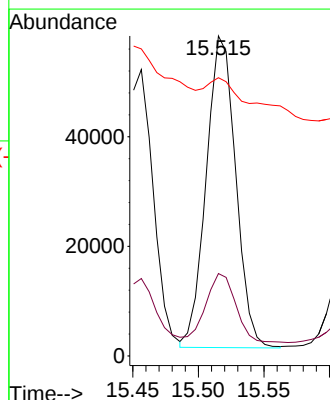
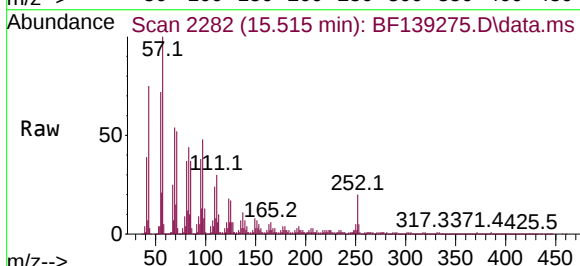
Delta R.T. 0.053 min

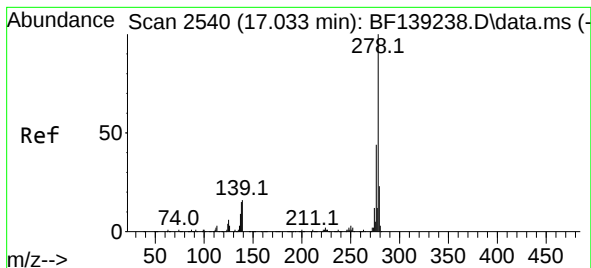
Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Tgt Ion:252 Resp: 89082

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.5	26.3
125	86.9	8.6	13.0





#91

Dibenzo(a,h)anthracene

Concen: 3.117 ng

RT: 17.062 min Scan# 2545

Delta R.T. 0.029 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Instrument :

BNA_F

ClientSampleId :

ETGI356

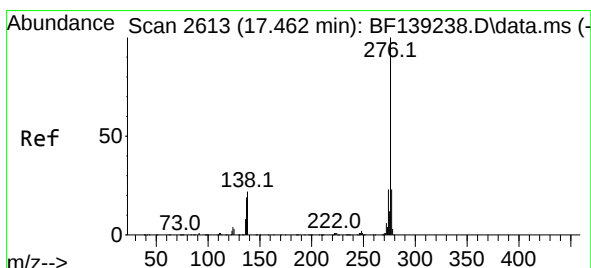
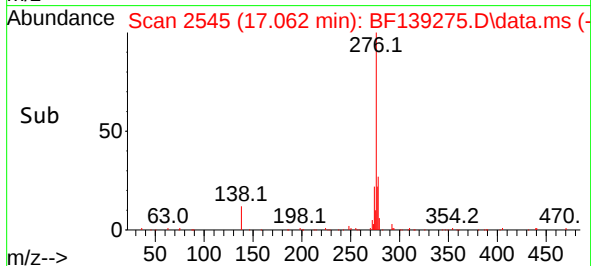
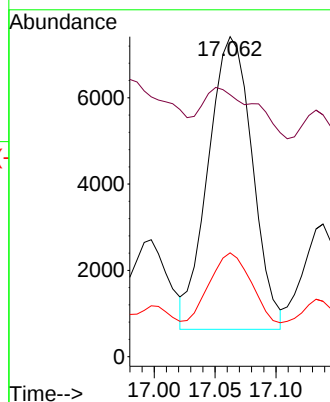
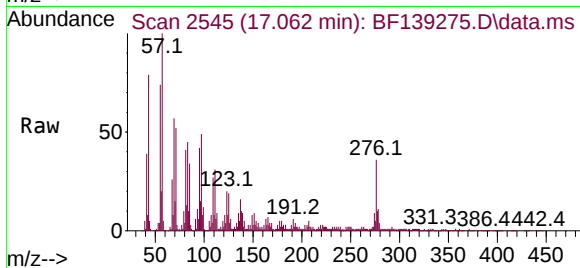
Tgt Ion:	278	Resp:	1713
Ion Ratio	Lower	Upper	
278	100		
139	81.9	12.6	19.0
279	32.4	18.6	28.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/07/2024

Supervised By :mohammad ahmed 09/07/2024



#92

Benzo(g,h,i)perylene

Concen: 11.770 ng

RT: 17.498 min Scan# 2619

Delta R.T. 0.035 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Tgt Ion:	276	Resp:	66781
Ion Ratio	Lower	Upper	
276	100		
277	26.0	18.6	27.8
138	26.3	17.4	26.0

