

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135737.D
 Acq On : 12 Oct 2023 16:28
 Operator : CG\JU
 Sample : 04837-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-284

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/13/2023
 Supervised By :mohammad ahmed 10/13/2023

Quant Time: Oct 13 00:56:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	93817	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	346211	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	160570	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	262110	20.000	ng	0.00
76) Chrysene-d12	13.933	240	161962	20.000	ng	0.00
86) Perylene-d12	15.404	264	169319	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	526574	91.289	ng	0.00
7) Phenol-d6	6.392	99	621964	84.798	ng	0.00
23) Nitrobenzene-d5	7.304	82	386754	60.692	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	121396	76.078	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	602305	56.593	ng	0.00
79) Terphenyl-d14	12.863	244	433321	41.475	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	75035	6.053	ng	100
75) Fluoranthene	12.492	202	150525	11.653	ng	98
78) Pyrene	12.721	202	130843	8.485	ng	98
81) Benzo(a)anthracene	13.921	228	62682	5.994	ng	99
83) Chrysene	13.963	228	55529	5.340	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	22520	2.029	ng	99
88) Benzo(b)fluoranthene	14.980	252	61123m	6.669	ng	
89) Benzo(k)fluoranthene	15.010	252	22935m	2.533	ng	
90) Benzo(a)pyrene	15.351	252	43789	5.010	ng	99
92) Benzo(g,h,i)perylene	17.374	276	19981	2.106	ng	97

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

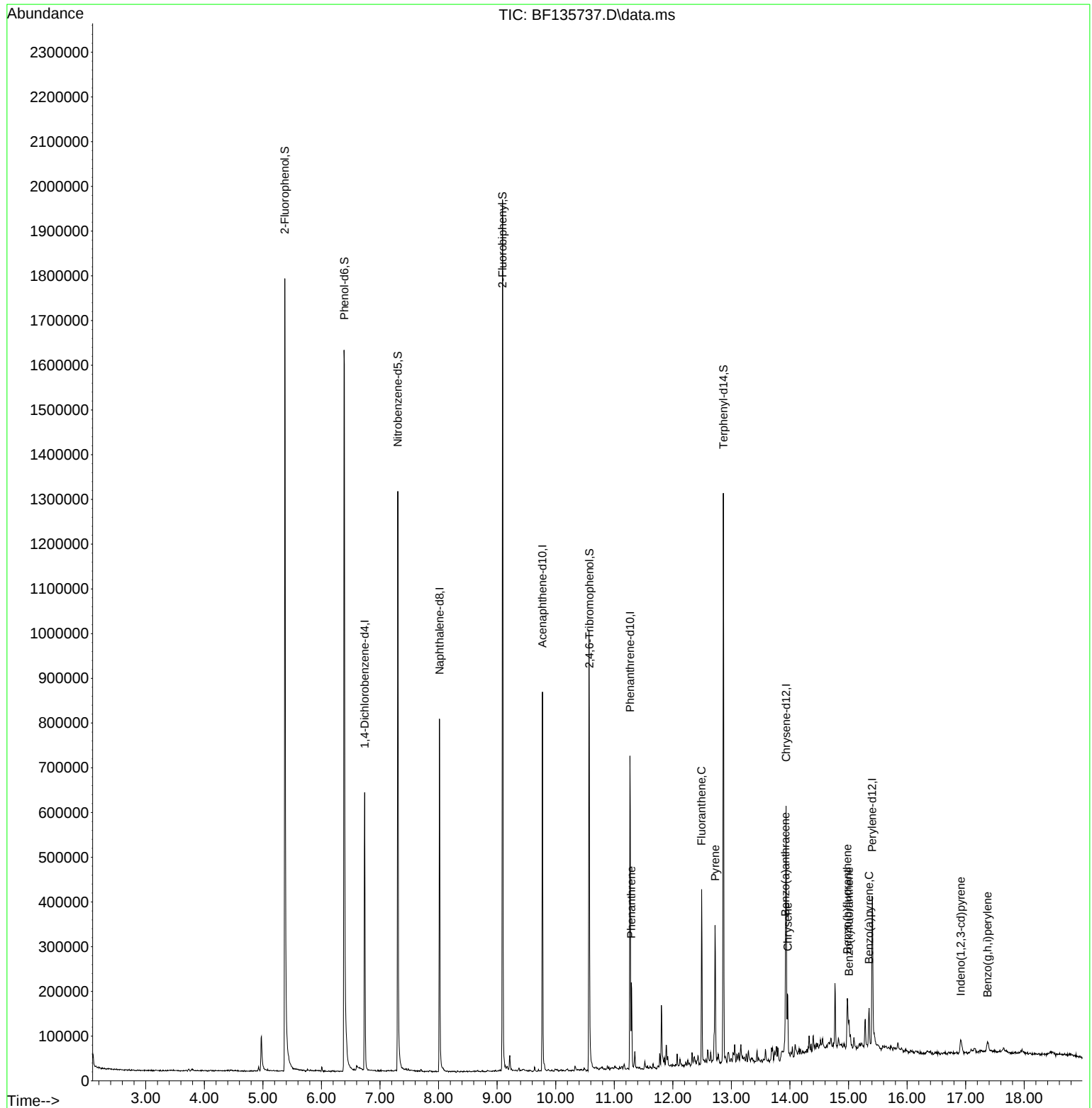
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
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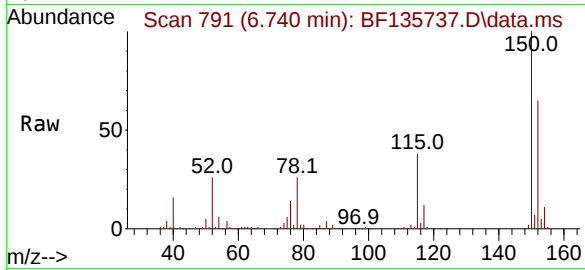
Quant Time: Oct 13 00:56:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 11 02:43:17 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

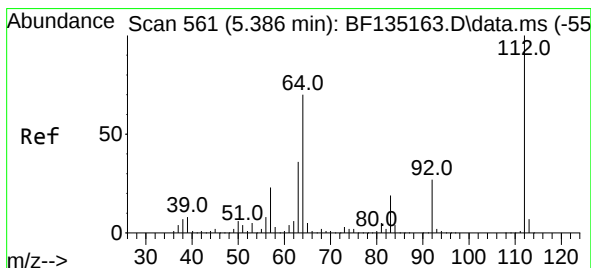
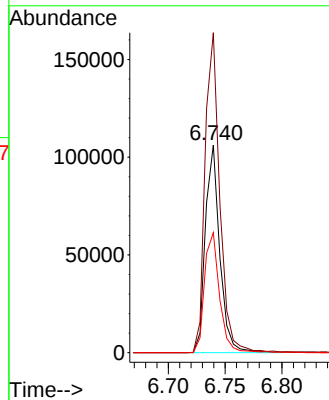
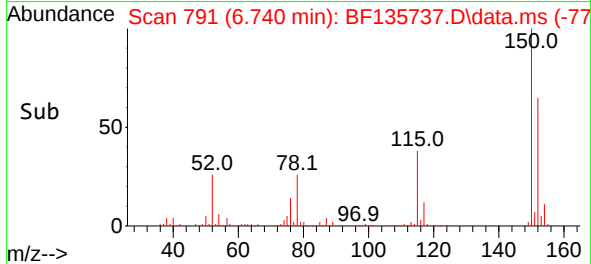
Instrument :
BNA_F
ClientSampleId :
ETGI-284



Tgt Ion:152 Resp: 9381
Ion Ratio Lower Upper
152 100
150 154.0 127.8 191.6
115 57.8 49.8 74.8

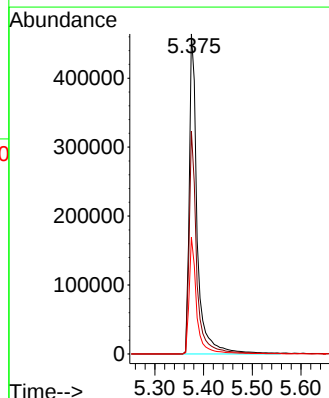
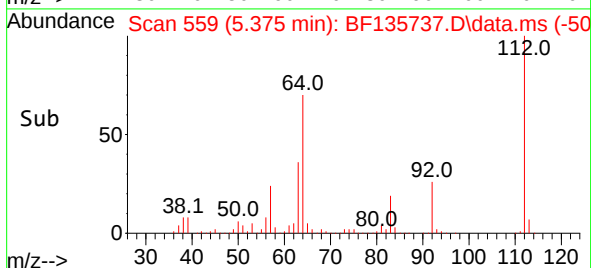
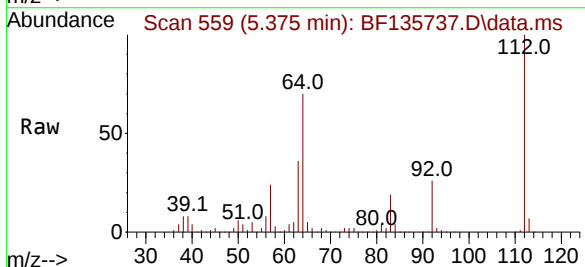
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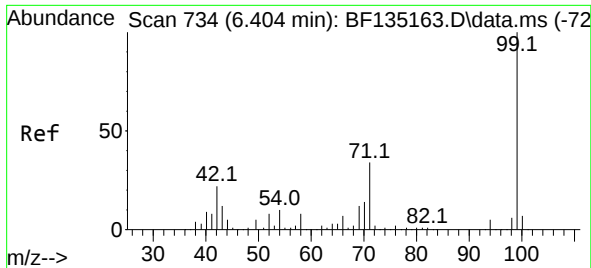
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#5
2-Fluorophenol
Concen: 91.289 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Tgt Ion:112 Resp: 526574
Ion Ratio Lower Upper
112 100
64 69.6 55.9 83.9
63 36.4 29.0 43.6





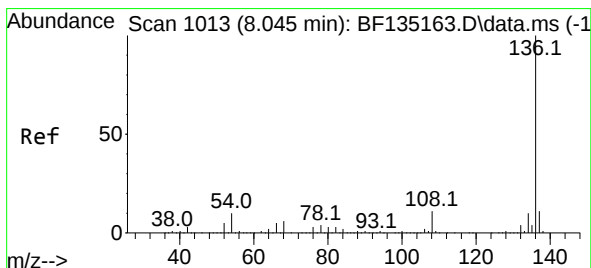
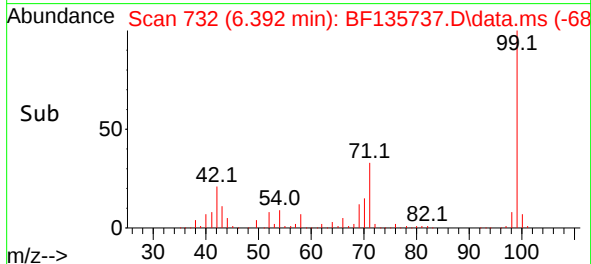
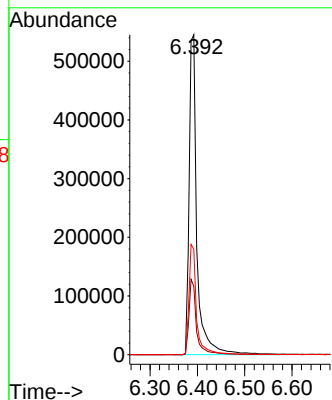
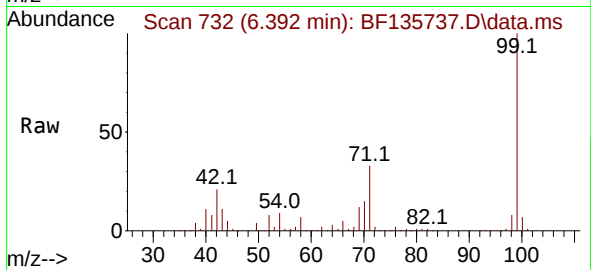
#7
Phenol-d6
Concen: 84.798 ng
RT: 6.392 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Instrument :
BNA_F
ClientSampleId :
ETGI-284

Tgt Ion: 99 Resp: 621964
Ion Ratio Lower Upper
99 100
42 21.4 17.9 26.9
71 33.0 27.0 40.6

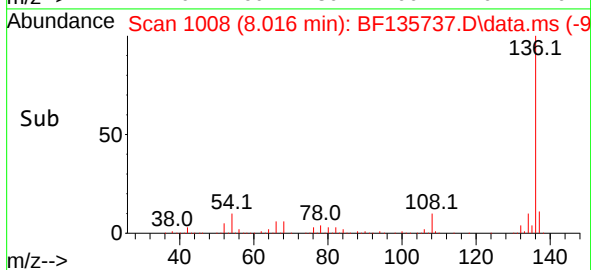
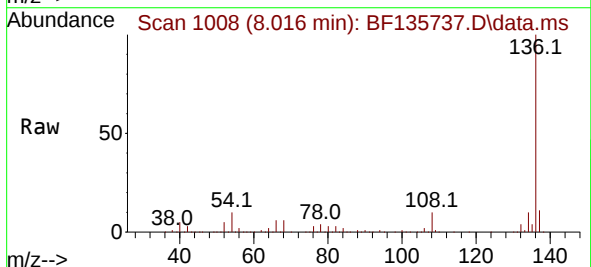
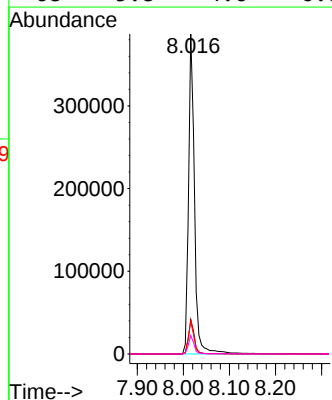
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Tgt Ion:136 Resp: 346211
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.1 7.7 11.5
68 5.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 60.692 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Instrument :

BNA_F

ClientSampleId :

ETGI-284

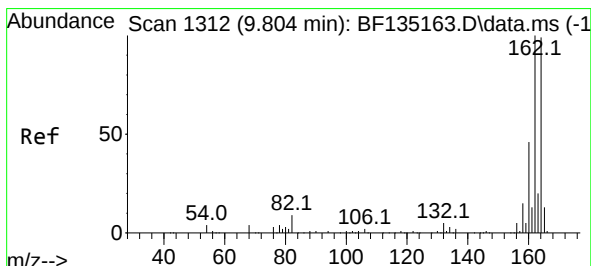
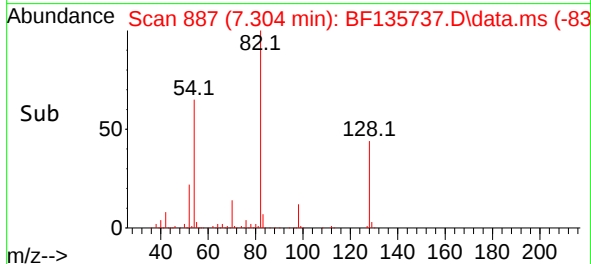
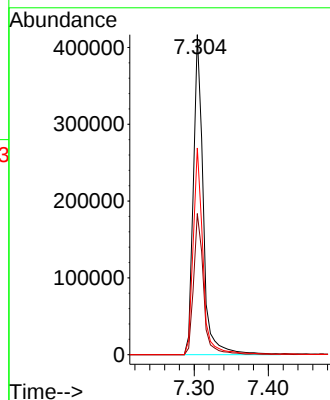
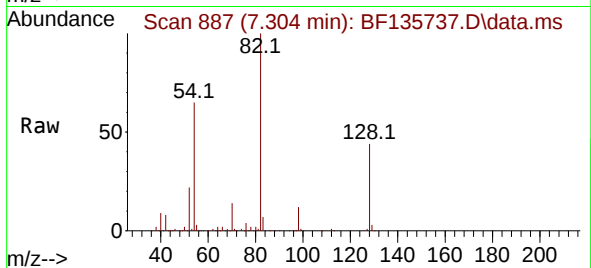
Tgt Ion:	82	Resp:	386754
Ion Ratio	Lower	Upper	
82	100		
128	44.1	35.8	53.6
54	64.6	50.6	76.0

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Supervised By :mohammad ahmed 10/13/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

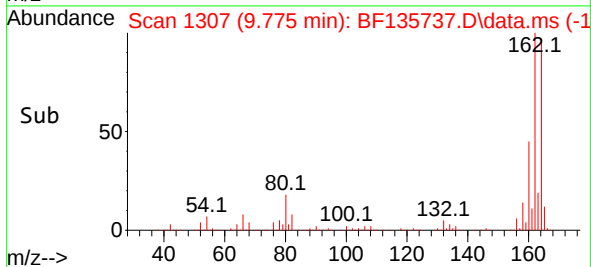
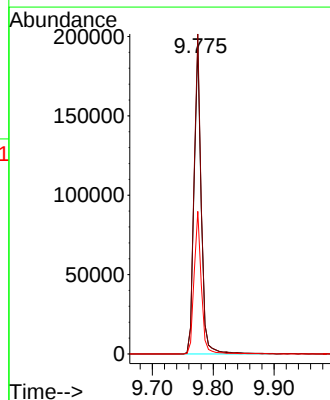
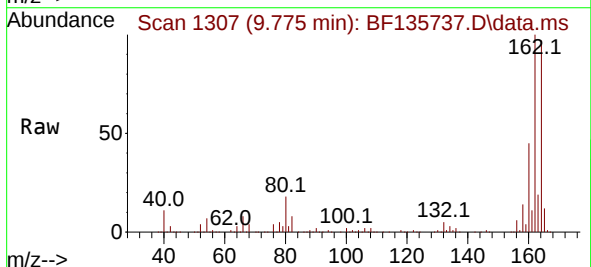
RT: 9.775 min Scan# 1307

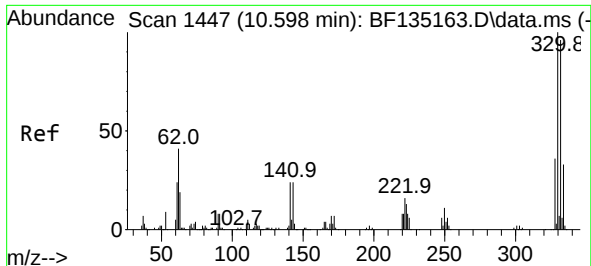
Delta R.T. -0.006 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Tgt Ion:	164	Resp:	160570
Ion Ratio	Lower	Upper	
164	100		
162	103.6	81.0	121.4
160	46.2	37.0	55.4





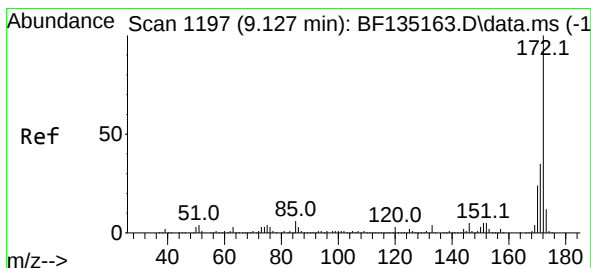
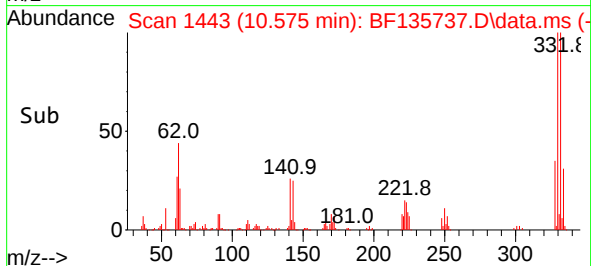
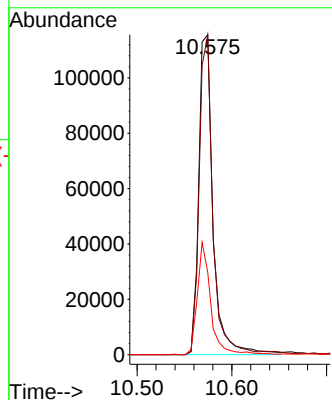
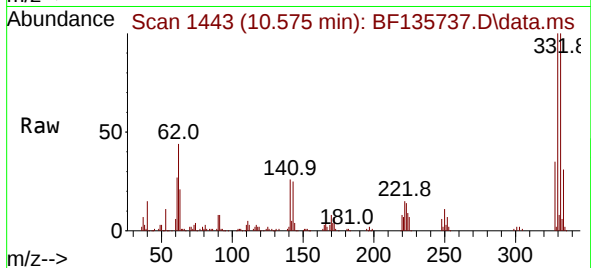
#42
2,4,6-Tribromophenol
Concen: 76.078 ng
RT: 10.575 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Instrument :
BNA_F
ClientSampleId :
ETGI-284

Tgt Ion:330 Resp: 121390
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 33.0 25.8 38.8

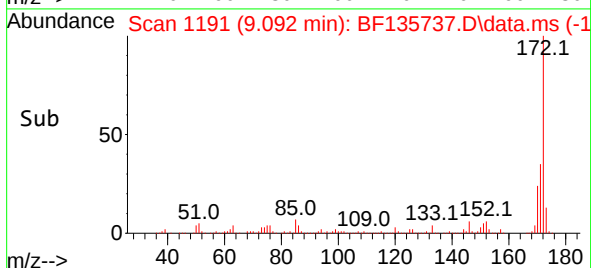
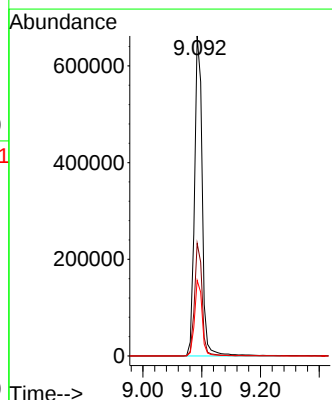
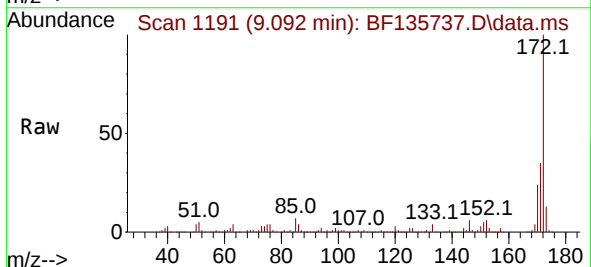
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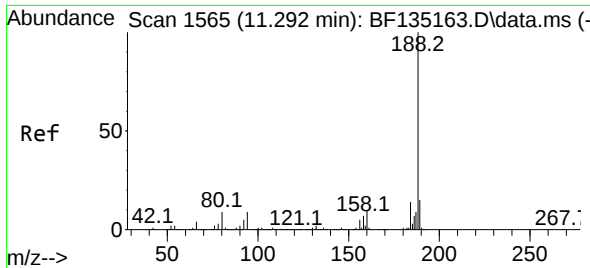
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#45
2-Fluorobiphenyl
Concen: 56.593 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Tgt Ion:172 Resp: 602305
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.6 19.0 28.4





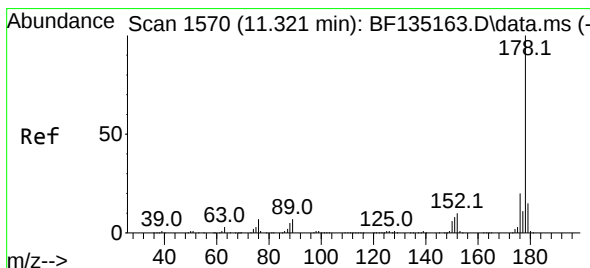
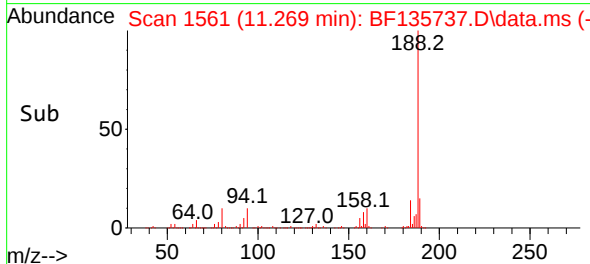
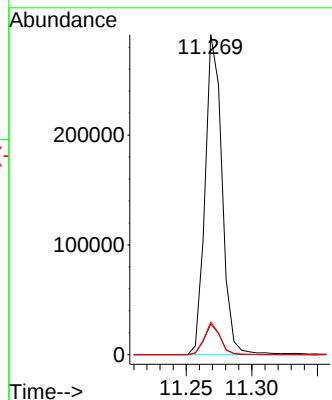
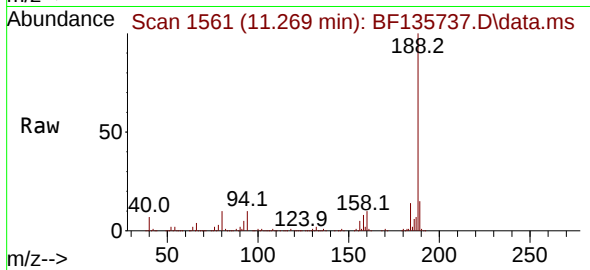
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Instrument :
BNA_F
ClientSampleId :
ETGI-284

Tgt Ion:188 Resp: 262110
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.2 7.5 11.3

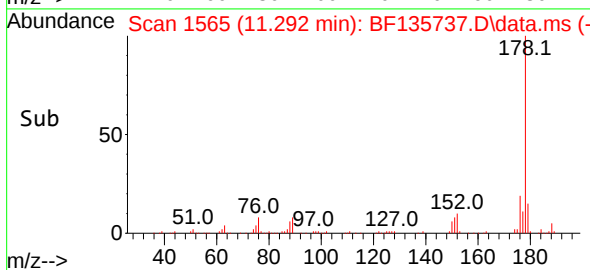
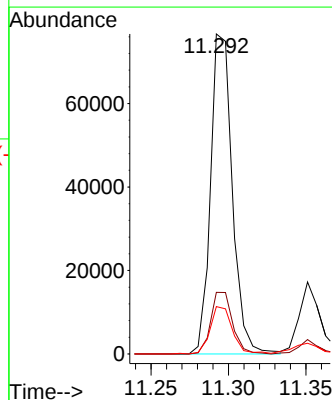
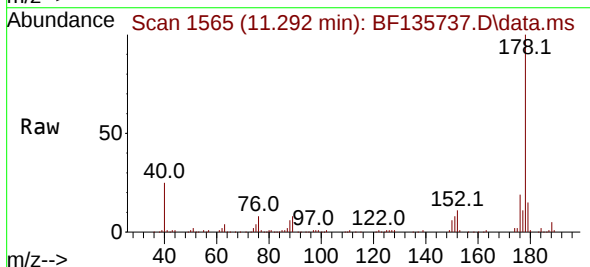
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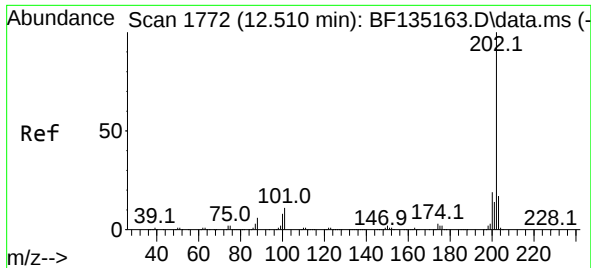
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#71
Phenanthrene
Concen: 6.053 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

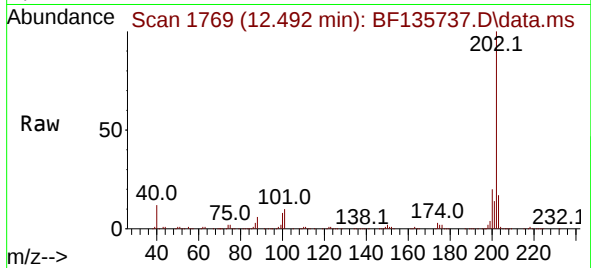
Tgt Ion:178 Resp: 75035
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 14.8 12.0 18.0





#75
Fluoranthene
Concen: 11.653 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

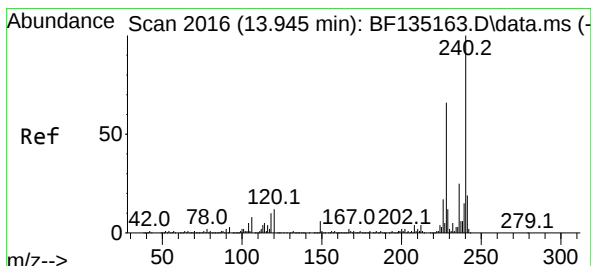
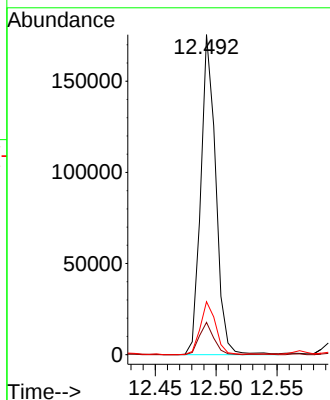
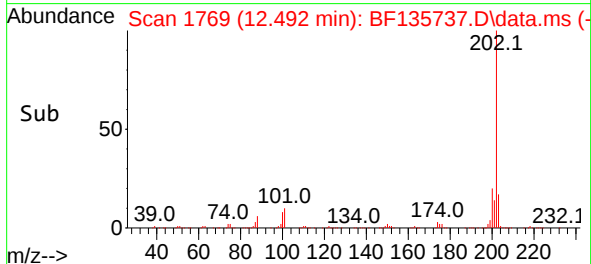
Instrument :
BNA_F
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ETGI-284



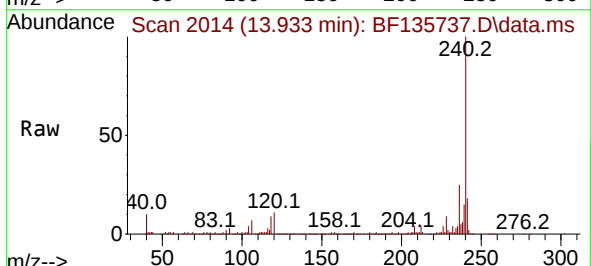
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Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.3
203 16.6 0.0 37.4

Manual Integrations
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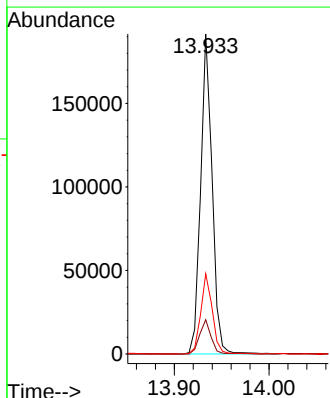
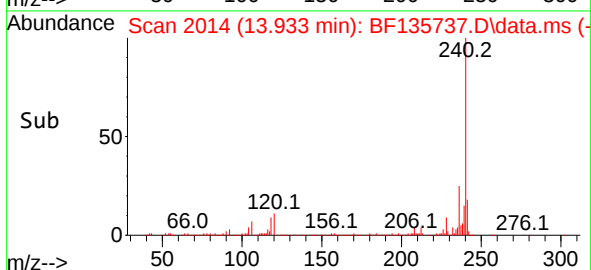
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

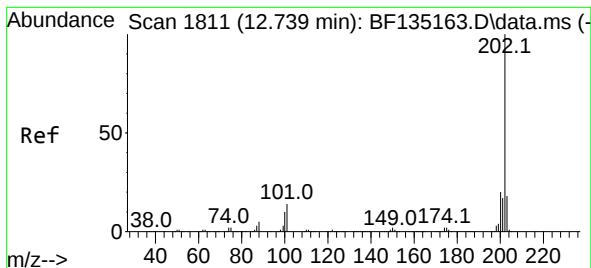


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28



Tgt Ion:240 Resp: 161962
Ion Ratio Lower Upper
240 100
120 10.7 9.4 14.2
236 25.1 19.8 29.8





#78

Pyrene

Concen: 8.485 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Instrument :

BNA_F

ClientSampleId :

ETGI-284

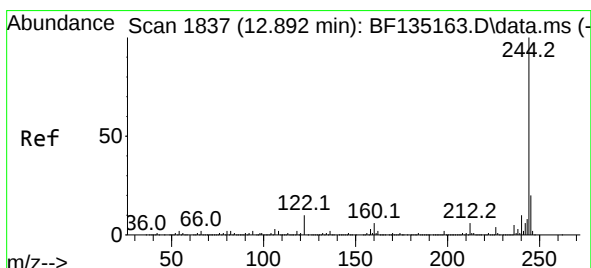
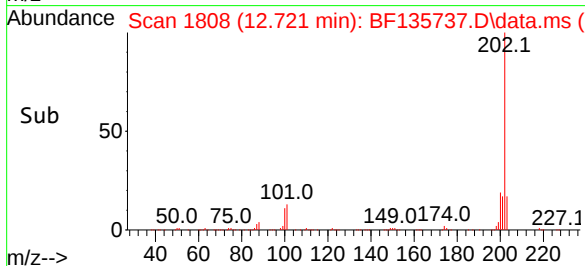
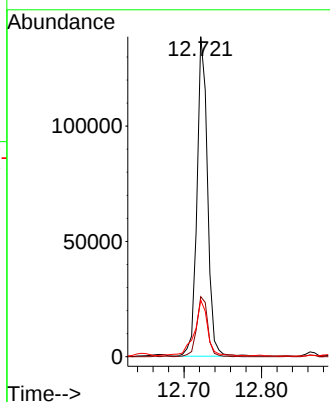
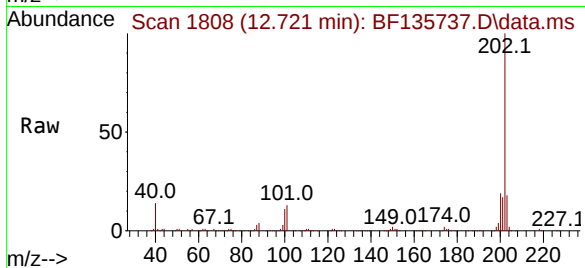
Tgt Ion:202 Resp: 13084

Ion	Ratio	Lower	Upper
202	100		
200	18.7	16.2	24.2
203	17.6	14.2	21.4

Manual Integrations

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#79

Terphenyl-d14

Concen: 41.475 ng

RT: 12.863 min Scan# 1832

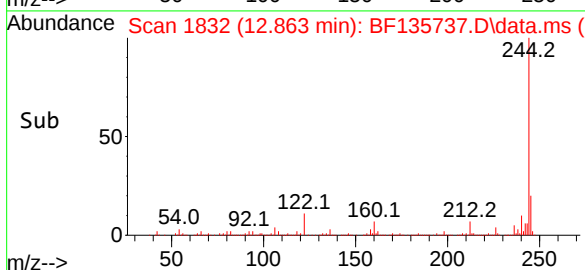
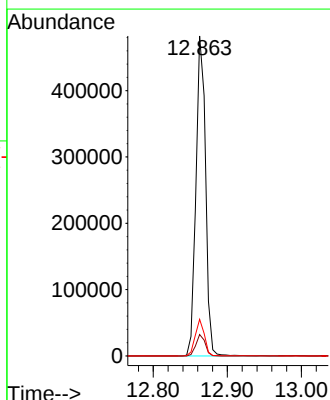
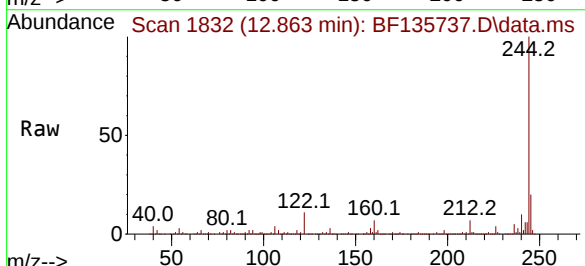
Delta R.T. -0.006 min

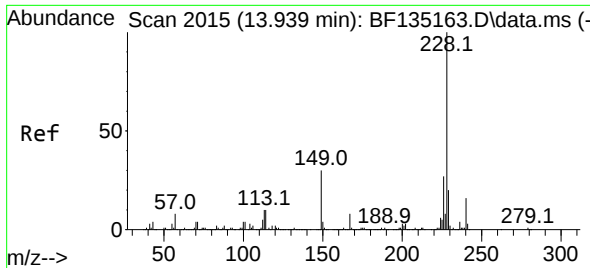
Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Tgt Ion:244 Resp: 433321

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.1	7.7
122	11.5	7.9	11.9





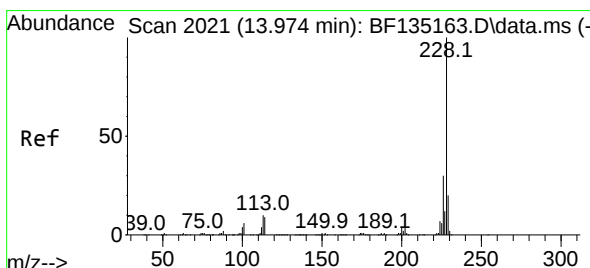
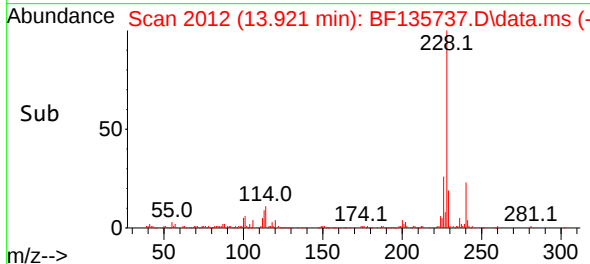
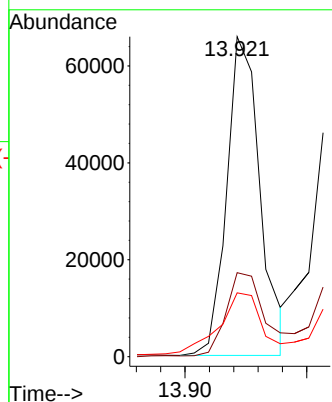
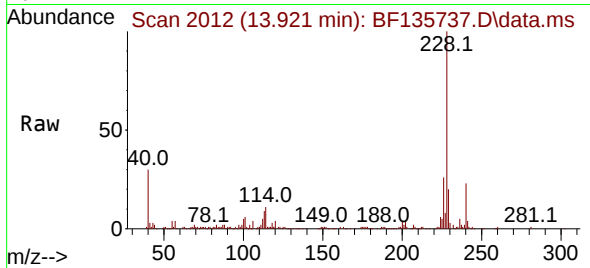
#81
Benzo(a)anthracene
Concen: 5.994 ng
RT: 13.921 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Instrument :
BNA_F
ClientSampleId :
ETGI-284

Tgt Ion:228 Resp: 6268
Ion Ratio Lower Upper
228 100
226 26.3 21.7 32.5
229 20.0 15.8 23.8

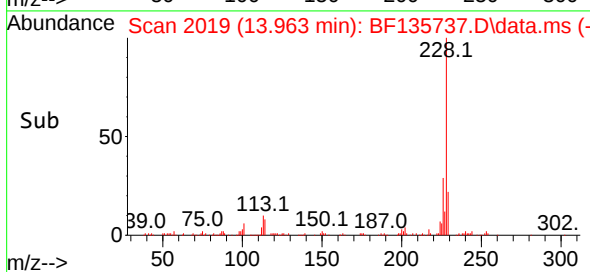
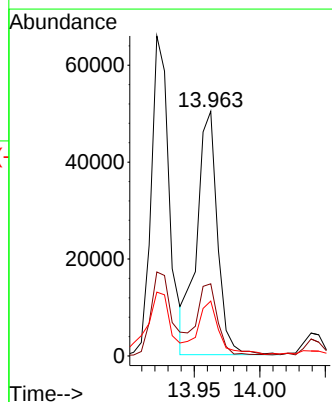
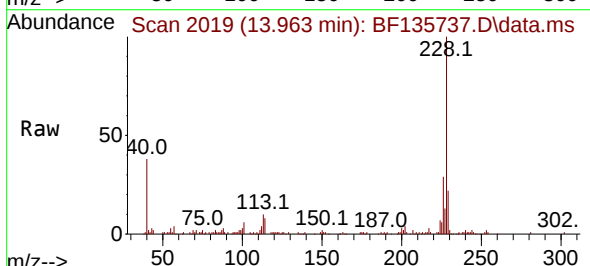
Manual Integrations
APPROVED

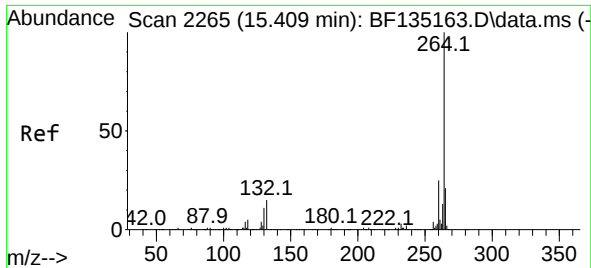
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#83
Chrysene
Concen: 5.340 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Tgt Ion:228 Resp: 55529
Ion Ratio Lower Upper
228 100
226 29.5 24.3 36.5
229 22.4 16.0 24.0





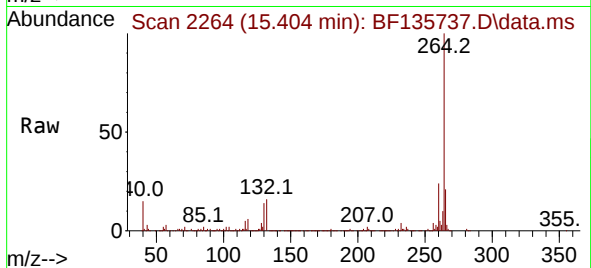
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF135737.D
 Acq: 12 Oct 2023 16:28

Instrument :

BNA_F

ClientSampleId :

ETGI-284

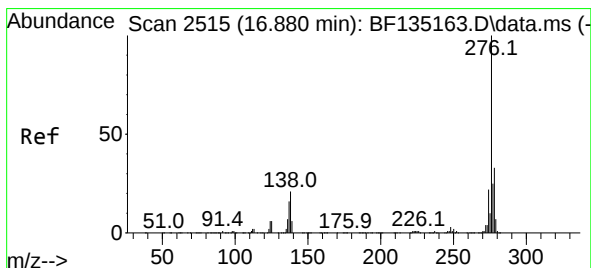
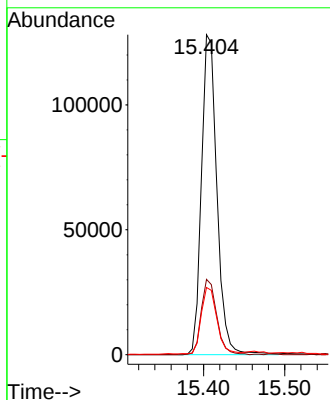
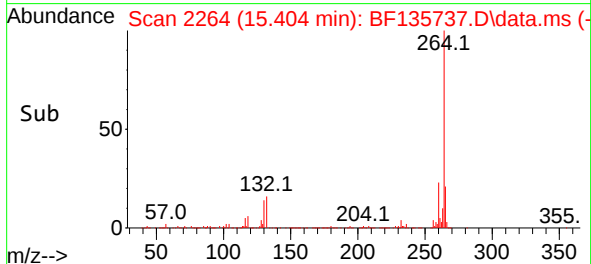


Tgt Ion:264 Resp: 169319
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.8 29.6
 265 21.0 17.0 25.4

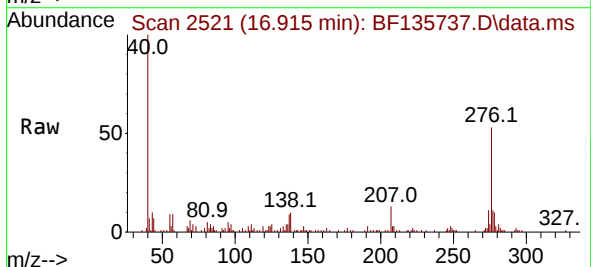
Manual Integrations

APPROVED

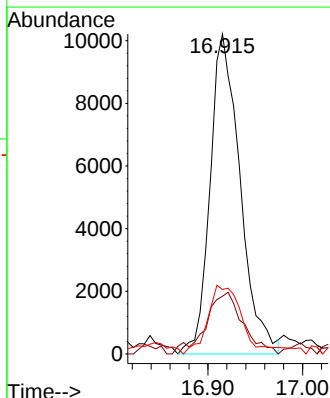
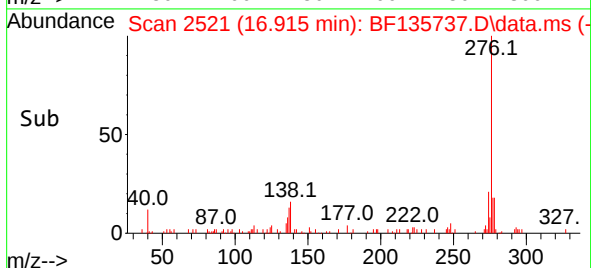
Reviewed By :Yogesh Patel 10/13/2023
 Supervised By :mohammad ahmed 10/13/2023

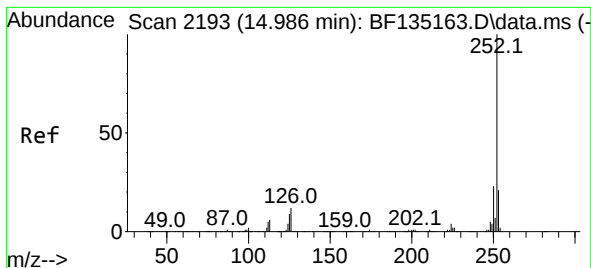


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.029 ng
 RT: 16.915 min Scan# 2521
 Delta R.T. 0.012 min
 Lab File: BF135737.D
 Acq: 12 Oct 2023 16:28



Tgt Ion:276 Resp: 22520
 Ion Ratio Lower Upper
 276 100
 138 23.6 19.2 28.8
 277 25.4 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 6.669 ng m

RT: 14.980 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Instrument :

BNA_F

ClientSampleId :

ETGI-284

Tgt Ion:252 Resp: 6112

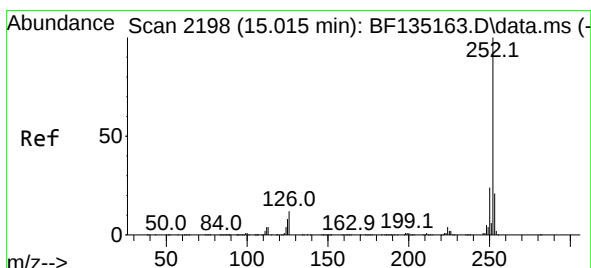
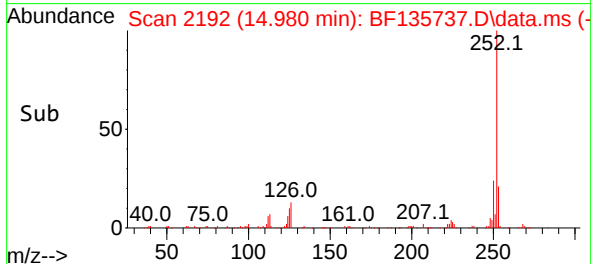
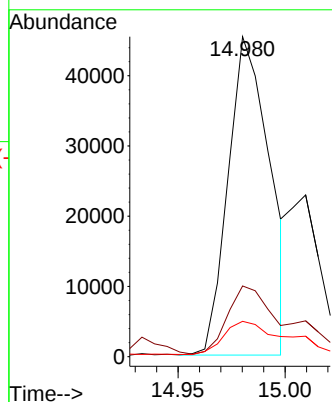
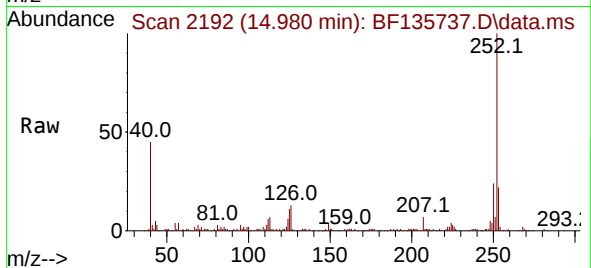
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	11.0	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/13/2023

Supervised By :mohammad ahmed 10/13/2023



#89

Benzo(k)fluoranthene

Concen: 2.533 ng m

RT: 15.010 min Scan# 2197

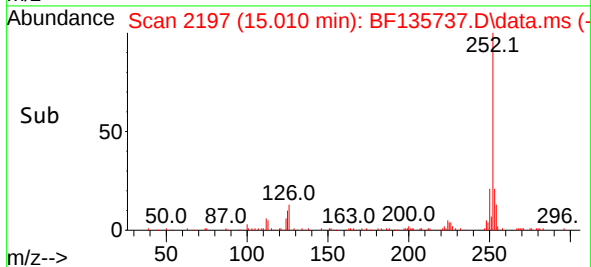
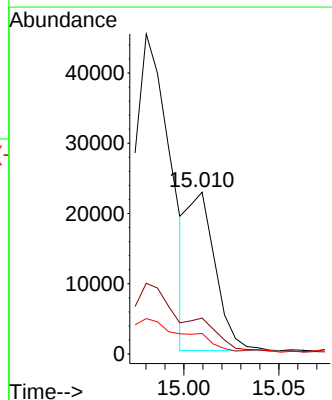
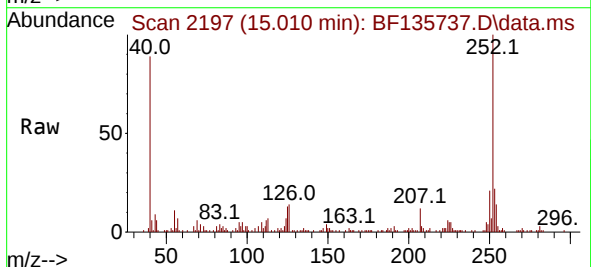
Delta R.T. 0.006 min

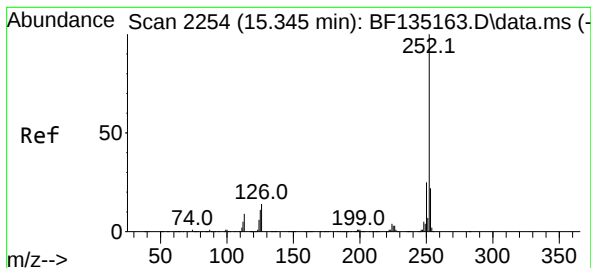
Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Tgt Ion:252 Resp: 22935

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	12.6	7.2	10.8





#90

Benzo(a)pyrene

Concen: 5.010 ng

RT: 15.351 min Scan# 2255

Delta R.T. 0.006 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Instrument :

BNA_F

ClientSampleId :

ETGI-284

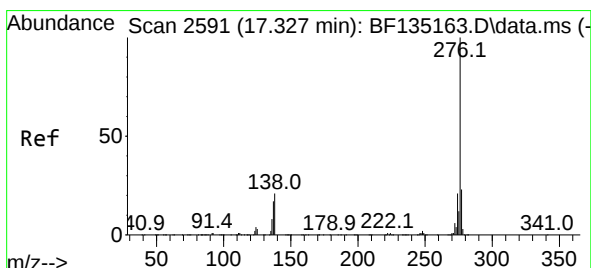
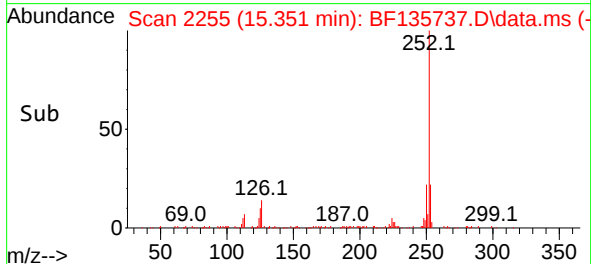
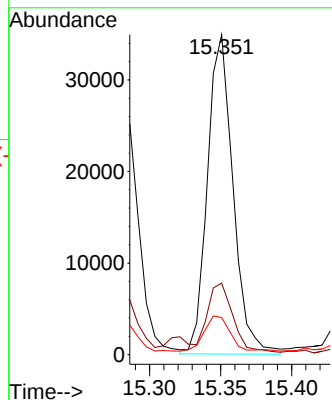
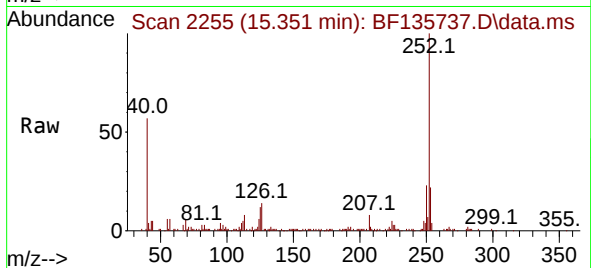
Tgt Ion:252 Resp: 43789
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.5 26.3
 125 11.6 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/13/2023

Supervised By :mohammad ahmed 10/13/2023



#92

Benzo(g,h,i)perylene

Concen: 2.106 ng

RT: 17.374 min Scan# 2599

Delta R.T. 0.024 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Tgt Ion:276 Resp: 19981
 Ion Ratio Lower Upper
 276 100
 277 26.4 18.8 28.2
 138 21.4 16.9 25.3

