

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135735.D
 Acq On : 12 Oct 2023 15:25
 Operator : CG\JU
 Sample : 04817-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930

Manual Integrations
 APPROVED

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

Quant Time: Oct 12 15:45:36 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	6.739	152	103139	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	345096	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	162930	20.000	ng	0.00
64) Phenanthrene-d10	11.274	188	287696	20.000	ng	0.00
76) Chrysene-d12	13.939	240	178418	20.000	ng	# 0.00
86) Perylene-d12	15.409	264	163599	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	529696	83.530	ng	0.01
7) Phenol-d6	6.392	99	694348	86.111	ng	0.00
23) Nitrobenzene-d5	7.304	82	400644	63.074	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	133807	82.641	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	646888	59.901	ng	0.00
79) Terphenyl-d14	12.868	244	523282	45.466	ng	0.00
Target Compounds						Qvalue
46) 1,1'-Biphenyl	9.198	154	52740	4.212	ng	99
52) Acenaphthene	9.810	154	326716	36.631	ng	100
55) Dibenzofuran	9.986	168	524734	38.554	ng	98
58) Fluorene	10.333	166	676092	64.616	ng	99
71) Phenanthrene	11.310	178	2320523	170.542	ng	99
72) Anthracene	11.351	178	398137	28.466	ng	99
73) Carbazole	11.516	167	177837	13.968	ng	100
75) Fluoranthene	12.504	202	1704246	120.202	ng	99
78) Pyrene	12.733	202	1201018	70.703	ng	99
81) Benzo(a)anthracene	13.927	228	300368	26.072	ng	99
83) Chrysene	13.962	228	225909	19.722	ng	99
84) Bis(2-ethylhexyl)phtha...	13.904	149	18484	3.012	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	35508	3.310	ng	93
88) Benzo(b)fluoranthene	14.980	252	130663m	14.754	ng	
89) Benzo(k)fluoranthene	15.009	252	47385m	5.416	ng	
90) Benzo(a)pyrene	15.351	252	76892	9.104	ng	99
92) Benzo(g,h,i)perylene	17.374	276	33027	3.603	ng	97

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

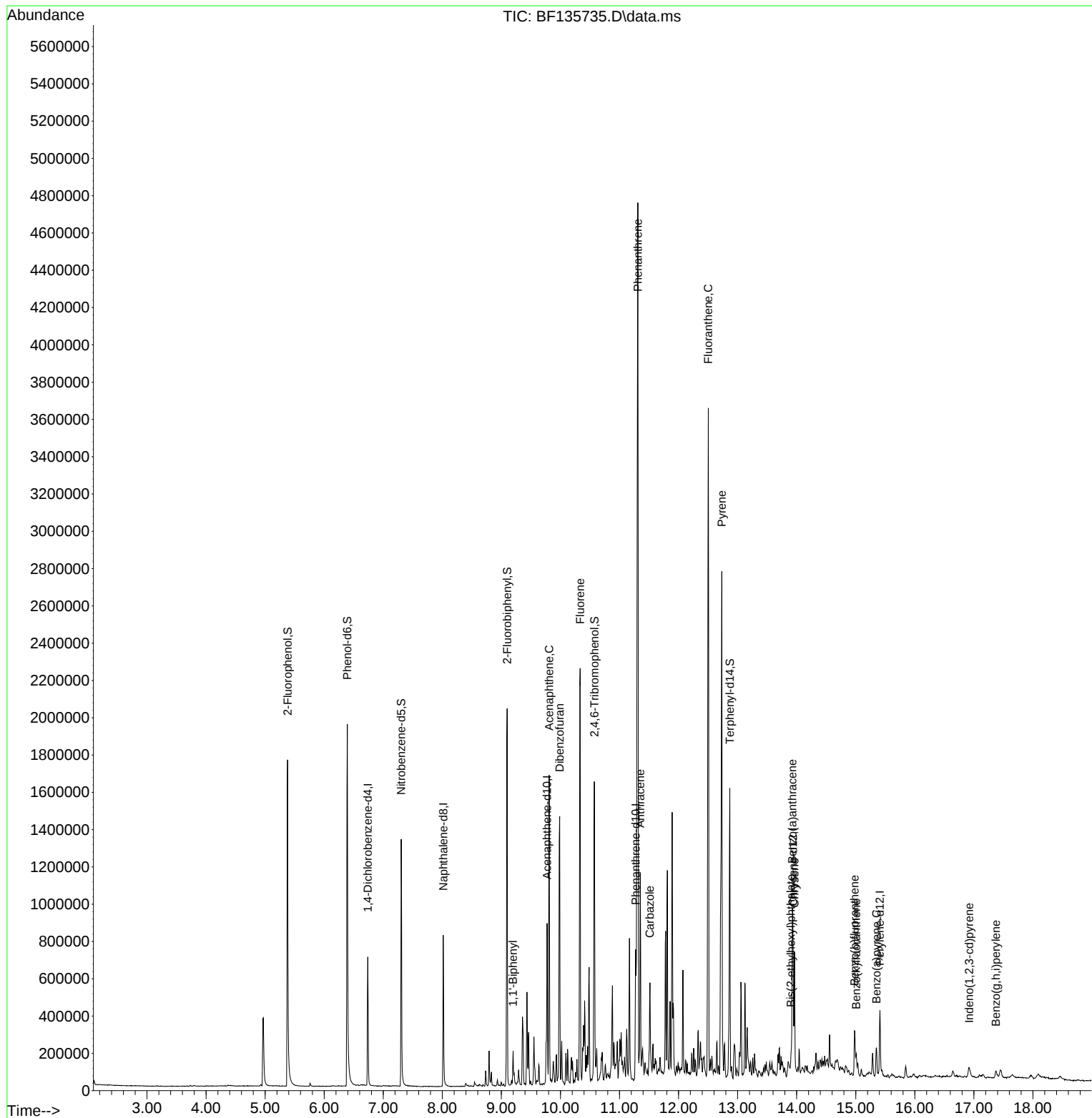
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
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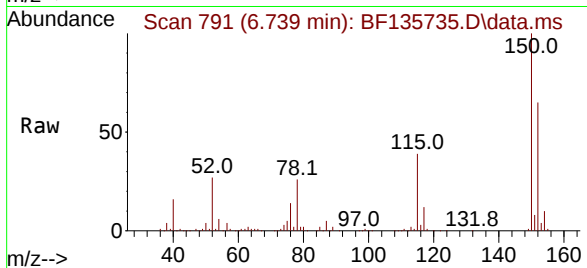
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

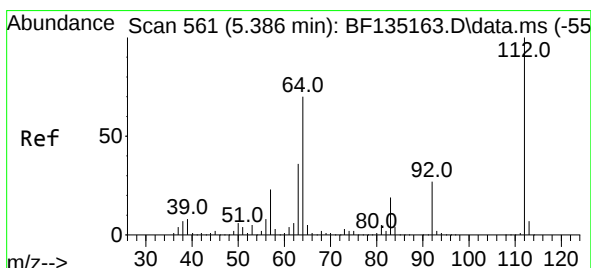
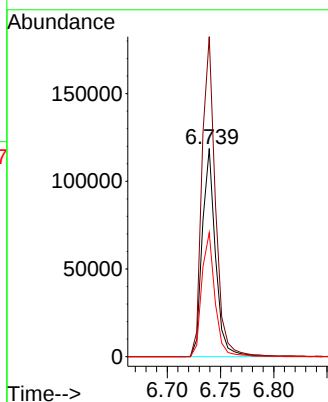
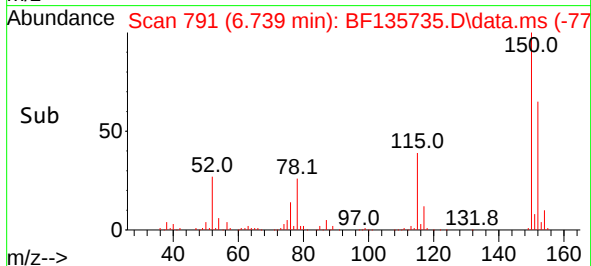
Instrument :
BNA_F
ClientSampleId :
72-11930



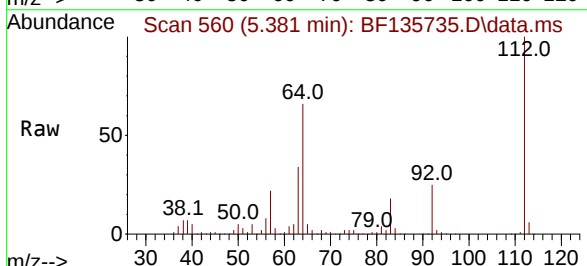
Tgt Ion:152 Resp: 103139
Ion Ratio Lower Upper
152 100
150 153.8 127.8 191.6
115 59.6 49.8 74.8

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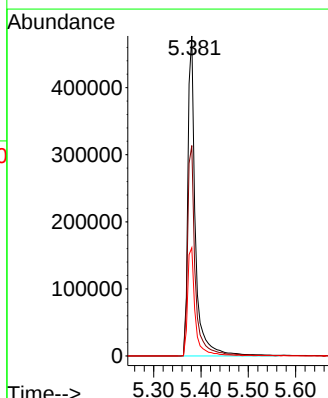
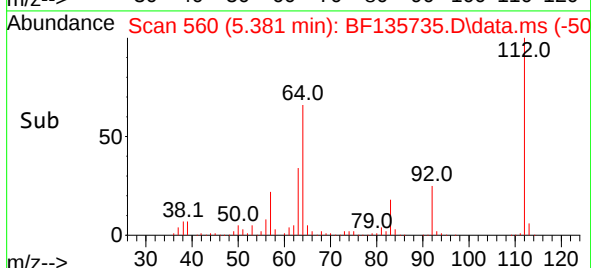
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

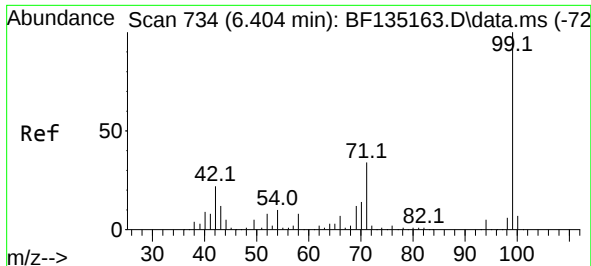


#5
2-Fluorophenol
Concen: 83.530 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25



Tgt Ion:112 Resp: 529696
Ion Ratio Lower Upper
112 100
64 65.7 55.9 83.9
63 33.8 29.0 43.6





#7

Phenol-d6

Concen: 86.111 ng

RT: 6.392 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

Instrument :

BNA_F

ClientSampleId :

72-11930

Tgt Ion: 99 Resp: 69434

Ion Ratio Lower Upper

99 100

42 21.5 17.9 26.9

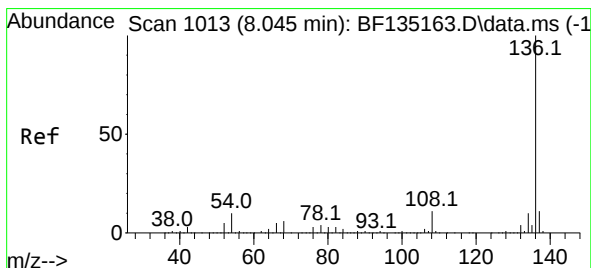
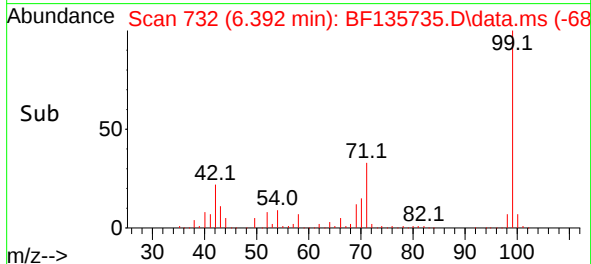
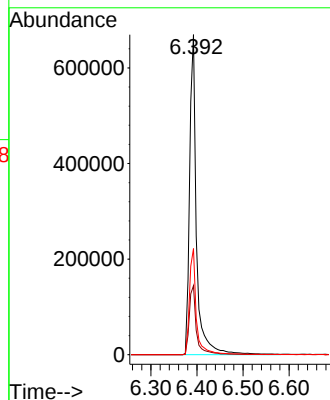
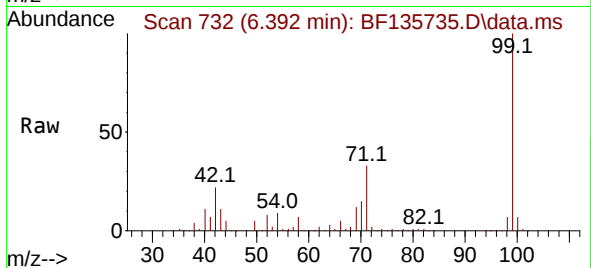
71 33.2 27.0 40.6

Manual Integrations

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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: BF135735.D

Acq: 12 Oct 2023 15:25

Tgt Ion:136 Resp: 345096

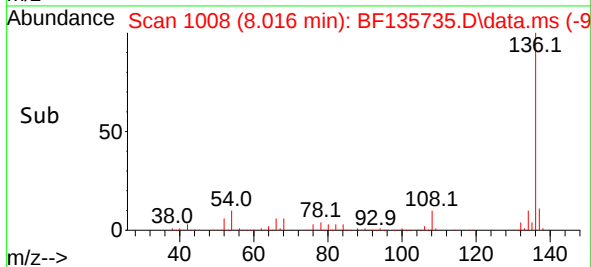
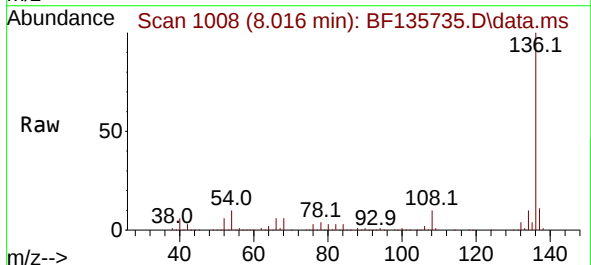
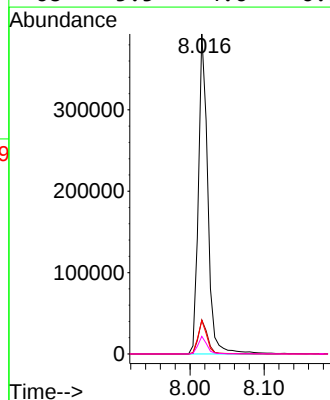
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 10.4 7.7 11.5

68 5.5 4.6 6.8





#23

Nitrobenzene-d5

Concen: 63.074 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135735.D

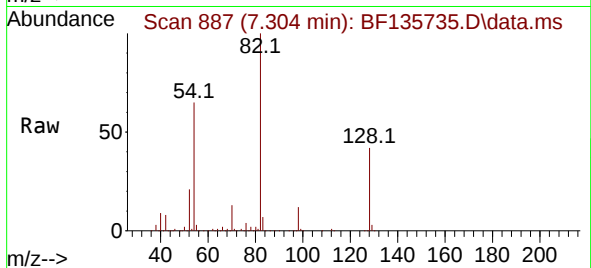
Acq: 12 Oct 2023 15:25

Instrument :

BNA_F

ClientSampleId :

72-11930

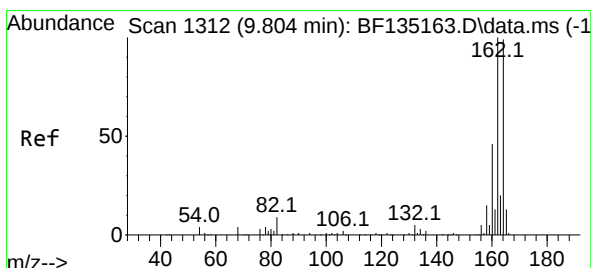
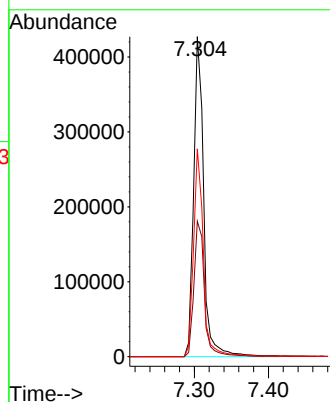
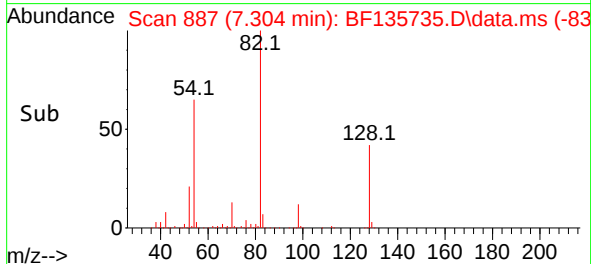


Tgt Ion: 82 Resp: 400644

Ion	Ratio	Lower	Upper
82	100		
128	42.3	35.8	53.6
54	65.0	50.6	76.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.774 min Scan# 1307

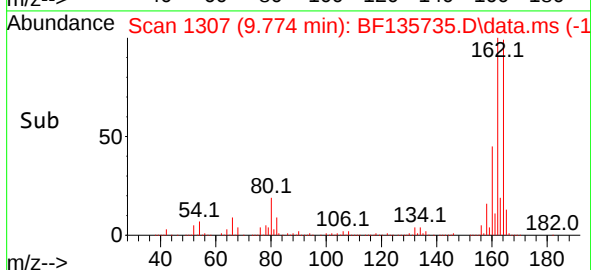
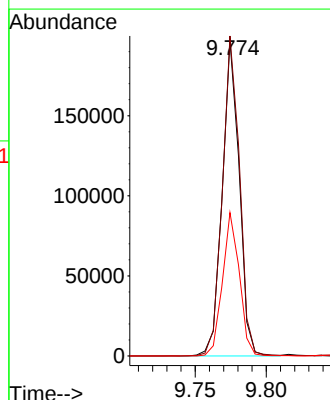
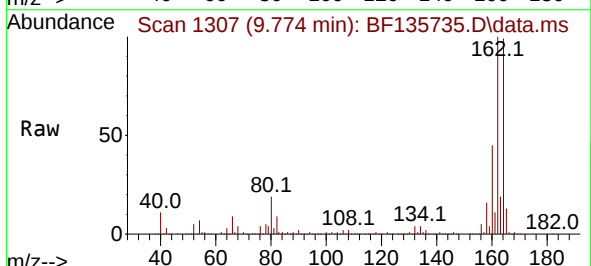
Delta R.T. -0.006 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

Tgt Ion:164 Resp: 162930

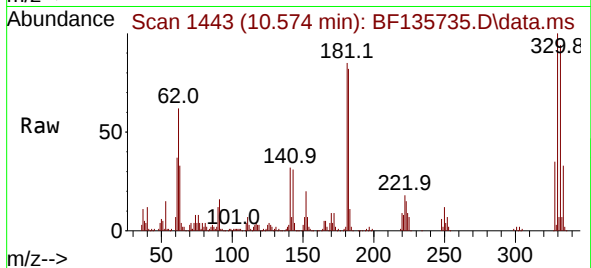
Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.0	121.4
160	45.4	37.0	55.4





#42
2,4,6-Tribromophenol
Concen: 82.641 ng
RT: 10.574 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

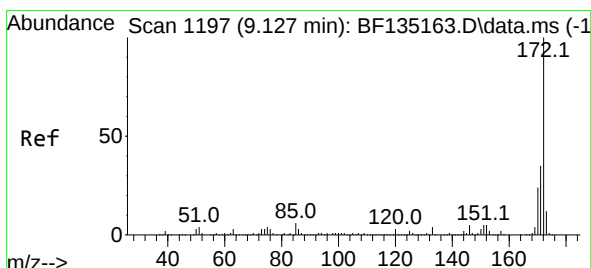
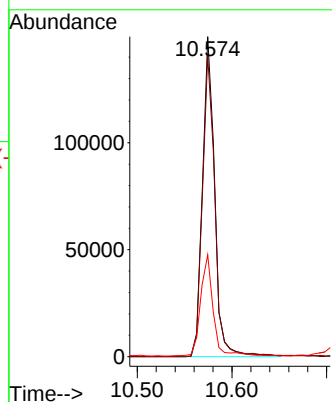
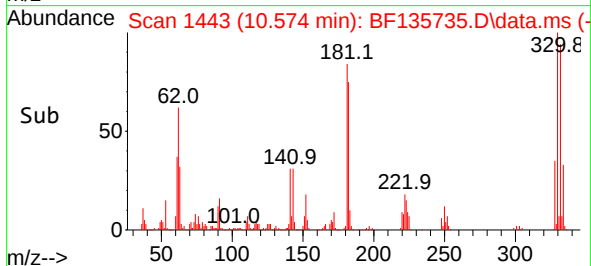
Instrument :
BNA_F
ClientSampleId :
72-11930



Tgt Ion:330 Resp: 133807
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 32.6 25.8 38.8

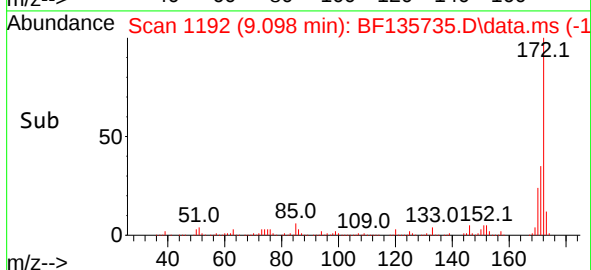
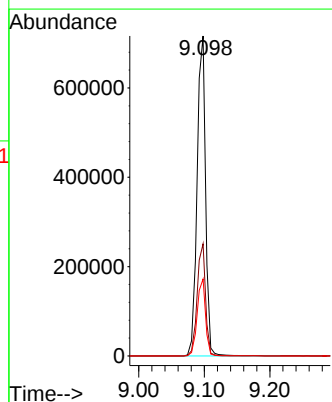
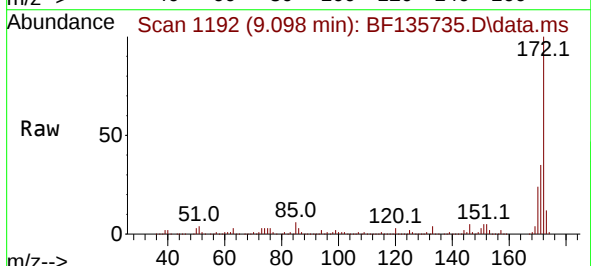
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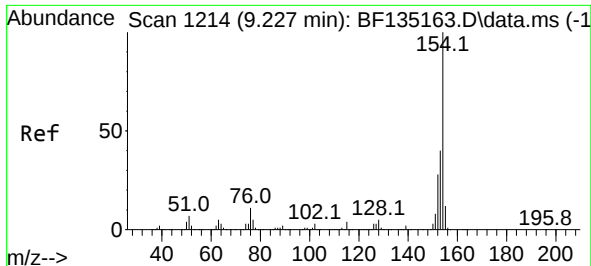
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#45
2-Fluorobiphenyl
Concen: 59.901 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

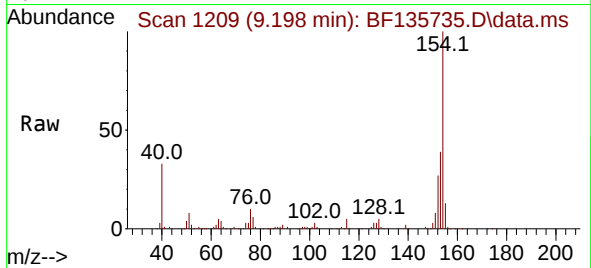
Tgt Ion:172 Resp: 646888
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 24.1 19.0 28.4





#46
1,1'-Biphenyl
Concen: 4.212 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

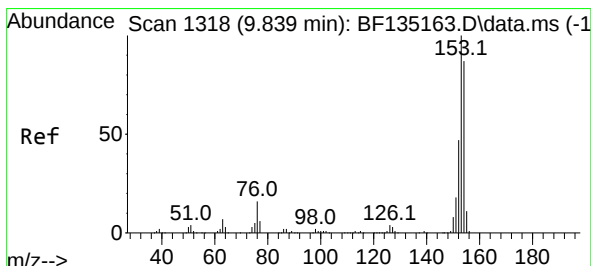
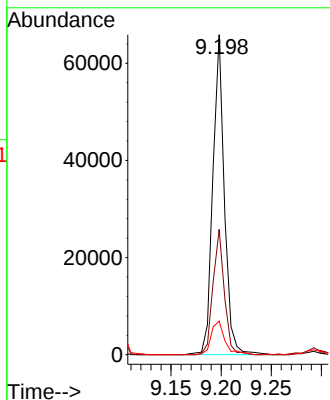
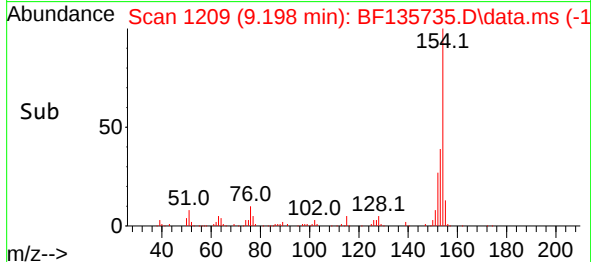
Instrument :
BNA_F
ClientSampleId :
72-11930



Tgt Ion:154 Resp: 52740
Ion Ratio Lower Upper
154 100
153 39.1 19.6 59.6
76 10.5 0.0 31.0

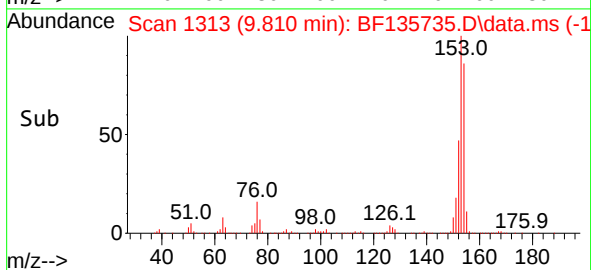
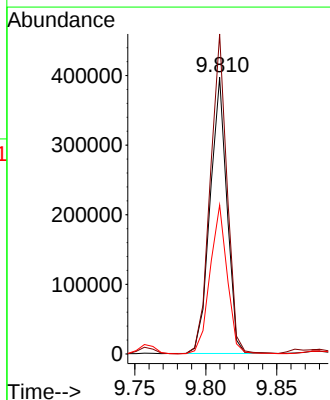
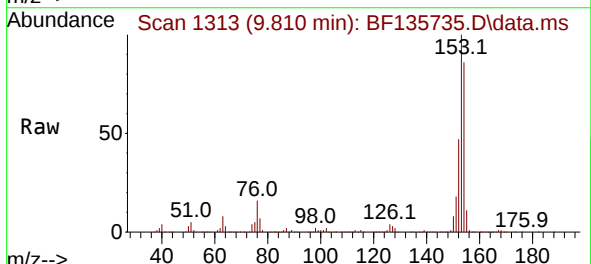
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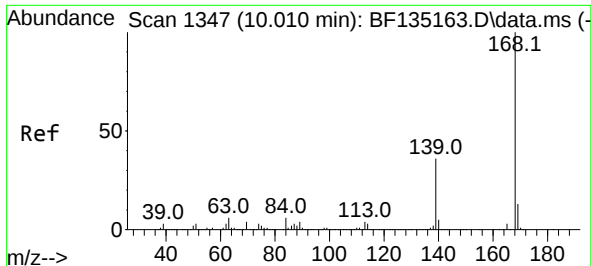
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#52
Acenaphthene
Concen: 36.631 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

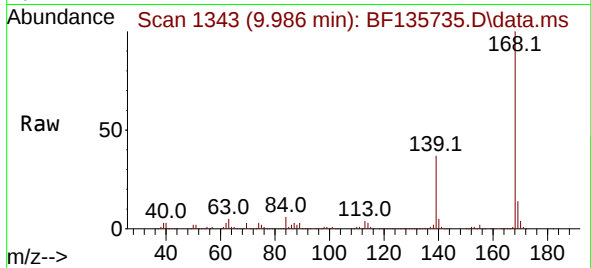
Tgt Ion:154 Resp: 326716
Ion Ratio Lower Upper
154 100
153 115.6 92.1 138.1
152 53.8 43.1 64.7





#55
Dibenzenofuran
Concen: 38.554 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

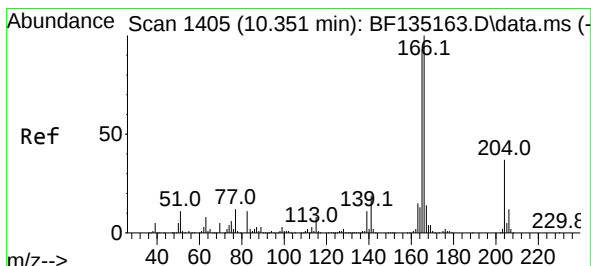
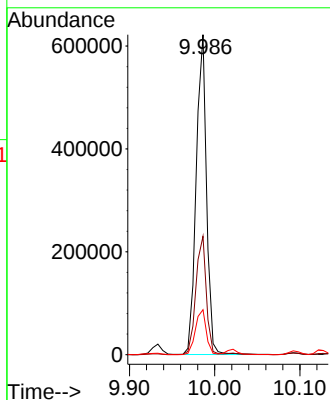
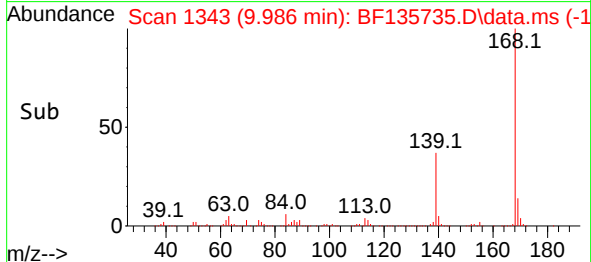
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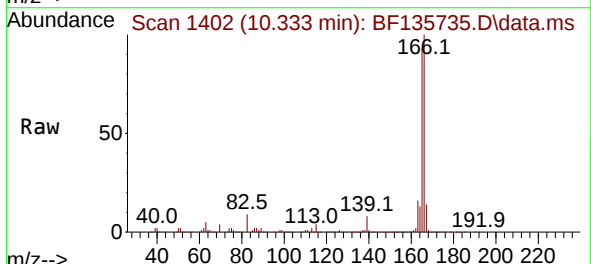
Tgt Ion:168 Resp: 524734
Ion Ratio Lower Upper
168 100
139 37.0 29.0 43.6
169 14.1 10.4 15.6

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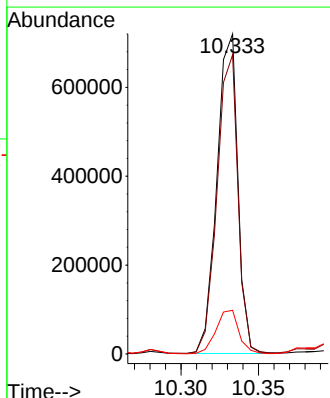
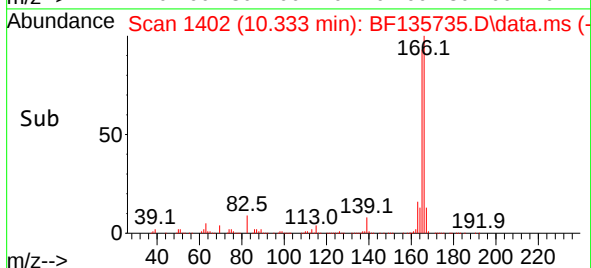
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

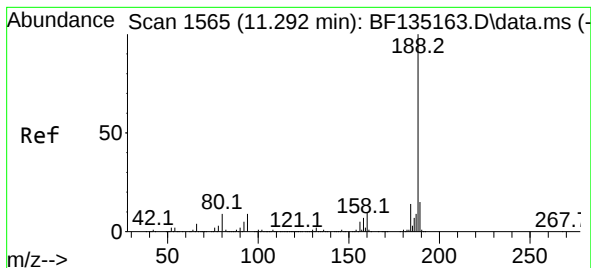


#58
Fluorene
Concen: 64.616 ng
RT: 10.333 min Scan# 1402
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25



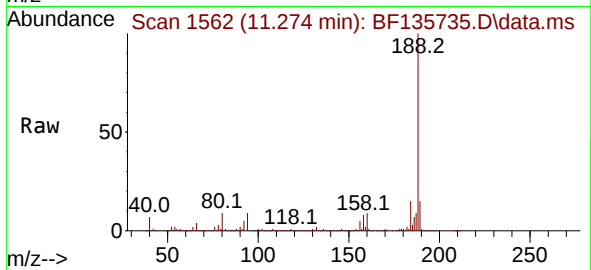
Tgt Ion:166 Resp: 676092
Ion Ratio Lower Upper
166 100
165 93.5 74.3 111.5
167 13.7 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

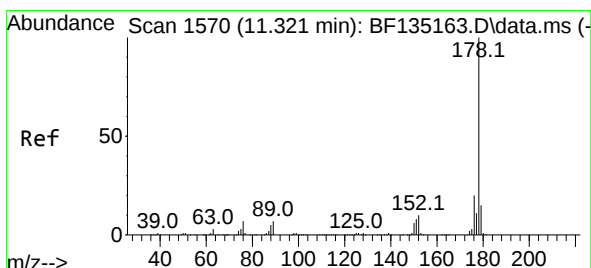
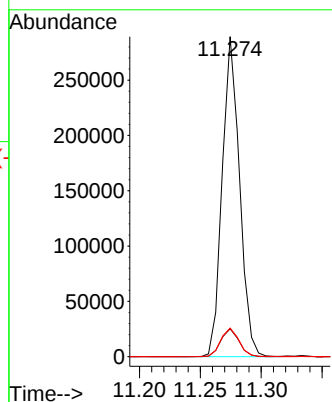
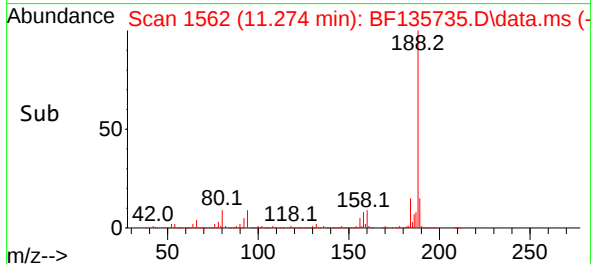
Instrument :
BNA_F
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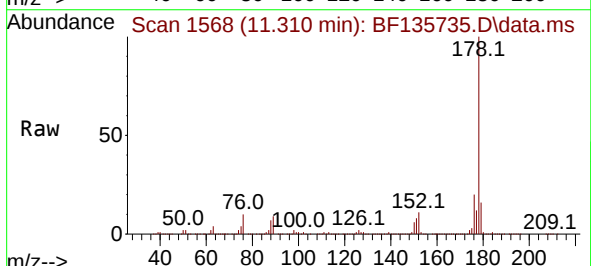
Tgt Ion:188 Resp: 287690
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.6
80 8.9 7.5 11.3

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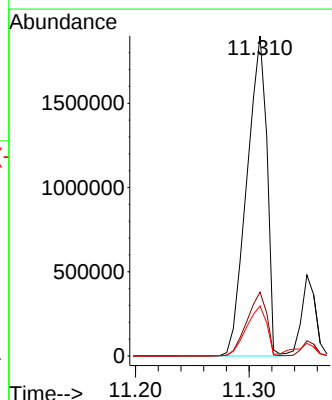
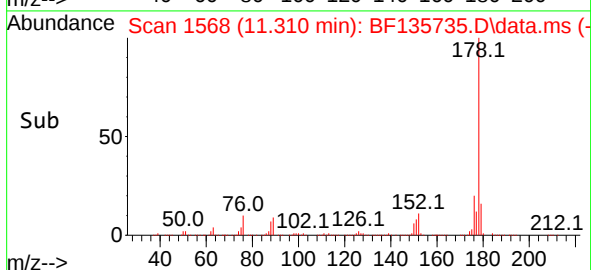
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

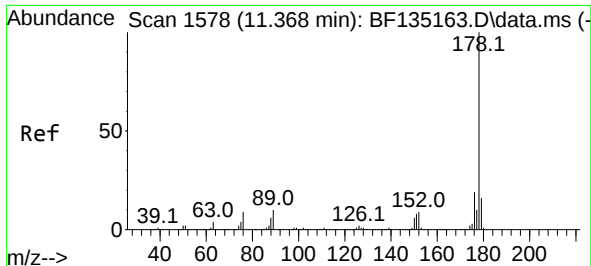


#71
Phenanthrene
Concen: 170.542 ng
RT: 11.310 min Scan# 1568
Delta R.T. 0.012 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25



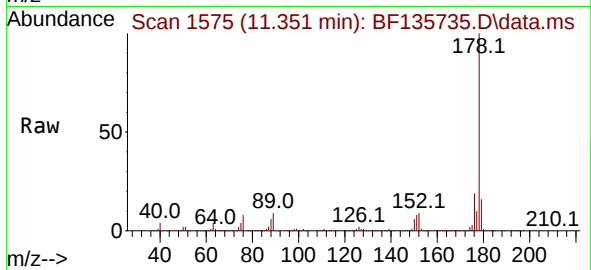
Tgt Ion:178 Resp: 2320523
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 15.6 12.0 18.0





#72
 Anthracene
 Concen: 28.466 ng
 RT: 11.351 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF135735.D
 Acq: 12 Oct 2023 15:25

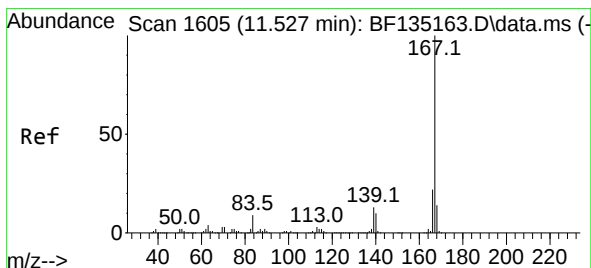
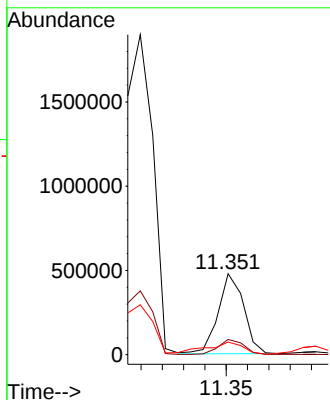
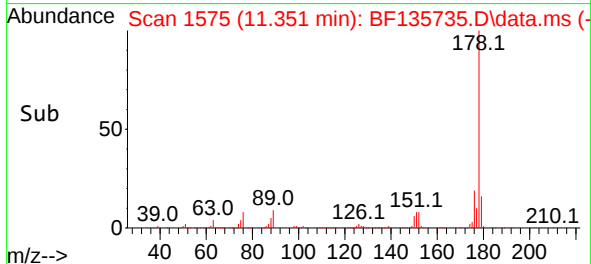
Instrument :
 BNA_F
 ClientSampleId :
 72-11930



Tgt Ion:178 Resp: 39813
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.6 12.6 19.0

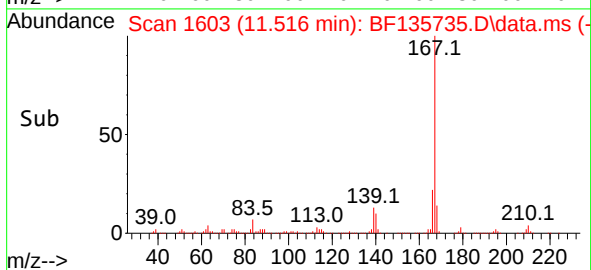
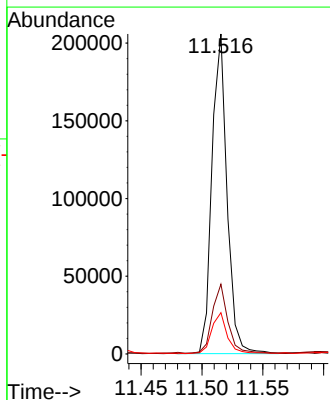
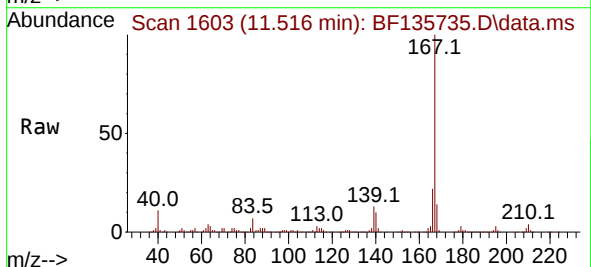
Manual Integrations
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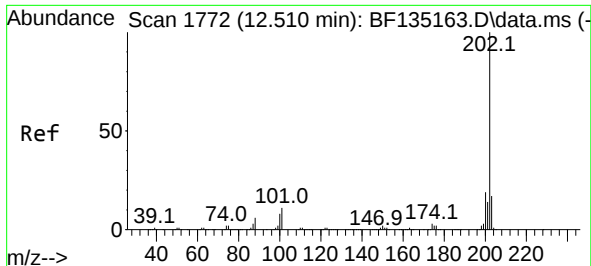
Reviewed By :Yogesh Patel 10/13/2023
 Supervised By :mohammad ahmed 10/13/2023



#73
 Carbazole
 Concen: 13.968 ng
 RT: 11.516 min Scan# 1603
 Delta R.T. -0.000 min
 Lab File: BF135735.D
 Acq: 12 Oct 2023 15:25

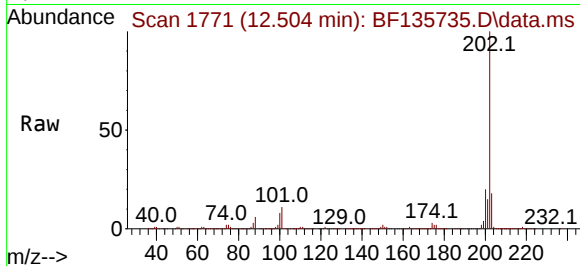
Tgt Ion:167 Resp: 177837
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.0
 139 12.9 10.6 15.8





#75
Fluoranthene
Concen: 120.202 ng
RT: 12.504 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

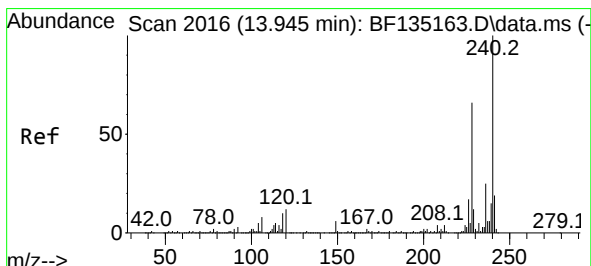
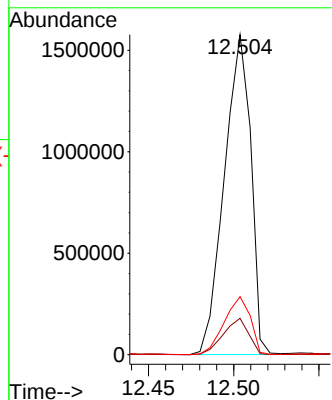
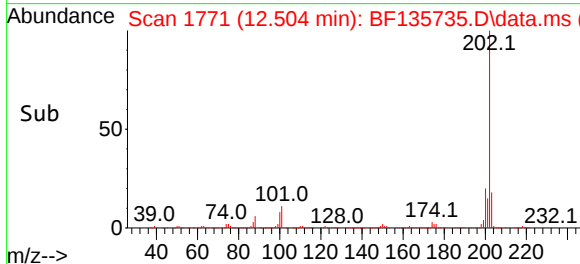
Instrument :
BNA_F
ClientSampleId :
72-11930



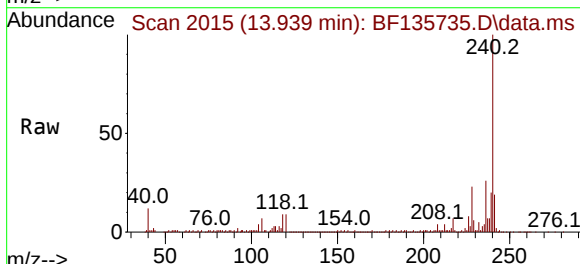
Tgt Ion:202 Resp: 1704240
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 18.2 0.0 37.4

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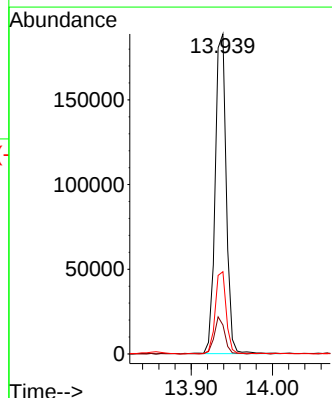
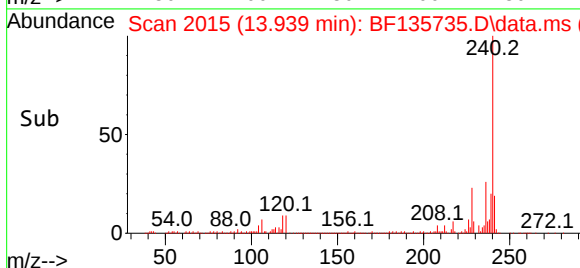
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

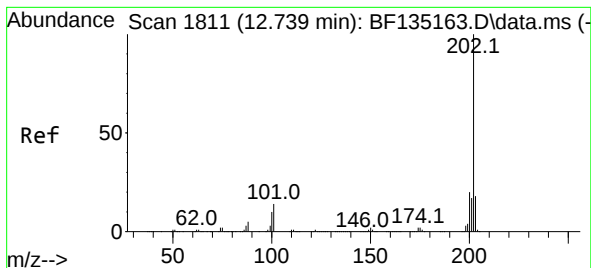


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25



Tgt Ion:240 Resp: 178418
Ion Ratio Lower Upper
240 100
120 9.1 9.4 14.2#
236 25.7 19.8 29.8





#78

Pyrene

Concen: 70.703 ng

RT: 12.733 min Scan# 1811

Delta R.T. 0.006 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

Instrument :

BNA_F

ClientSampleId :

72-11930

Tgt Ion:202 Resp: 1201018

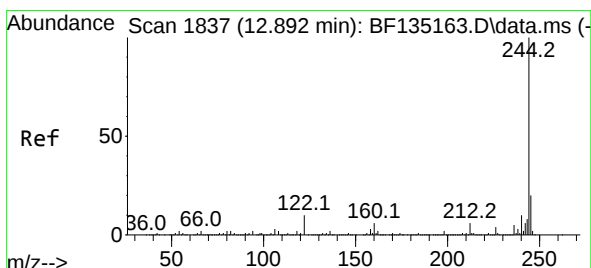
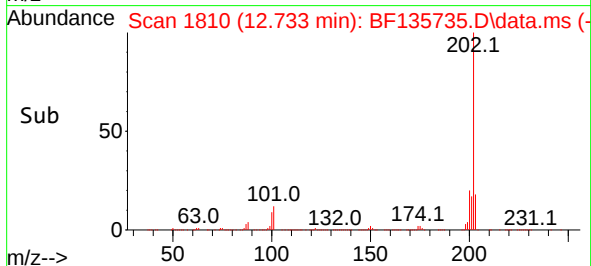
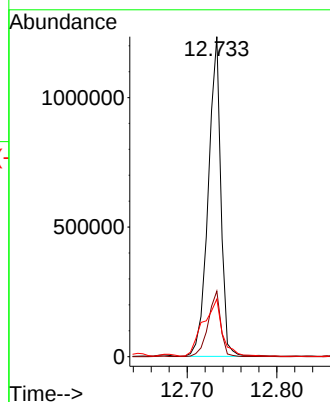
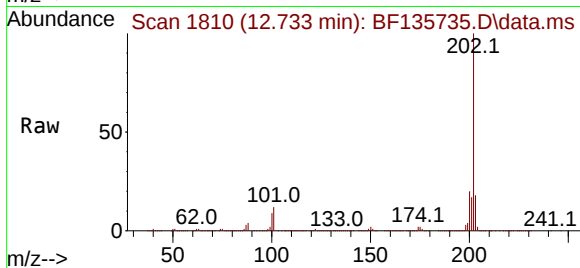
Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.2
203	18.0	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/13/2023

Supervised By :mohammad ahmed 10/13/2023



#79

Terphenyl-d14

Concen: 45.466 ng

RT: 12.868 min Scan# 1833

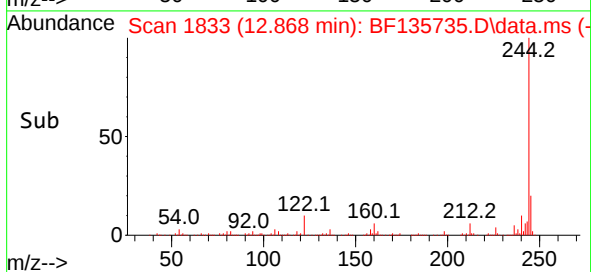
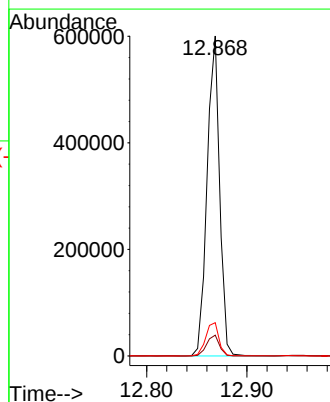
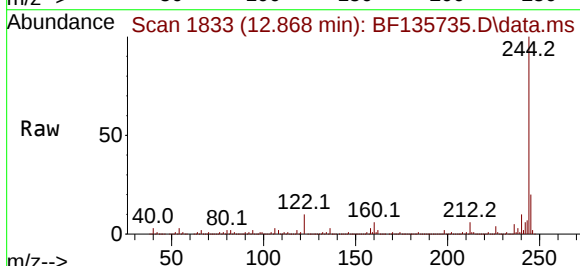
Delta R.T. -0.000 min

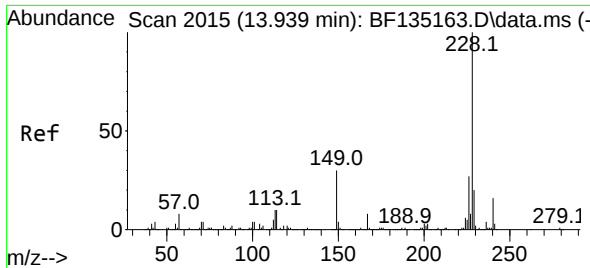
Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

Tgt Ion:244 Resp: 523282

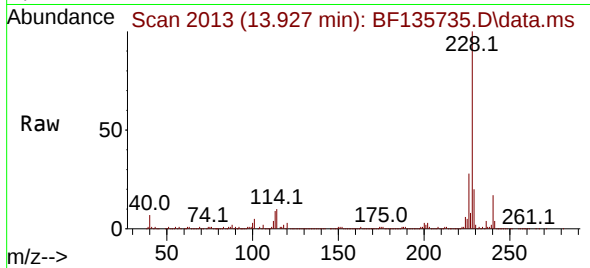
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.1	7.7
122	10.4	7.9	11.9





#81
Benzo(a)anthracene
Concen: 26.072 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

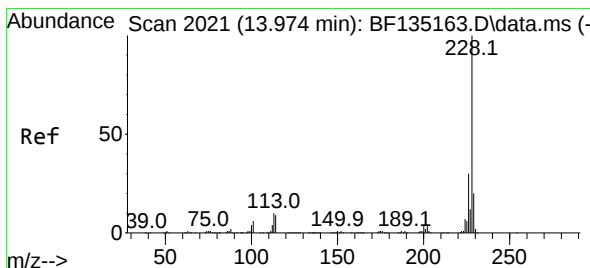
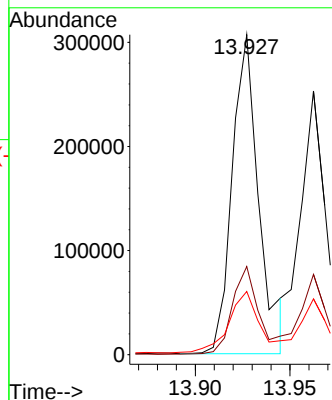
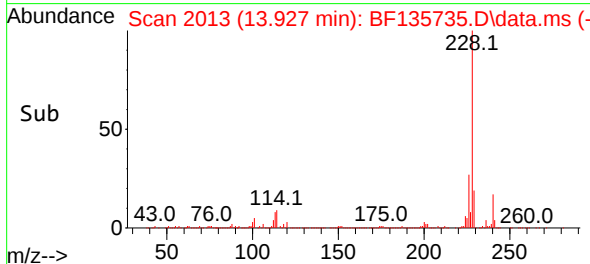
Instrument :
BNA_F
ClientSampleId :
72-11930



Tgt Ion:228 Resp: 300368
Ion Ratio Lower Upper
228 100
226 27.6 21.7 32.5
229 19.7 15.8 23.8

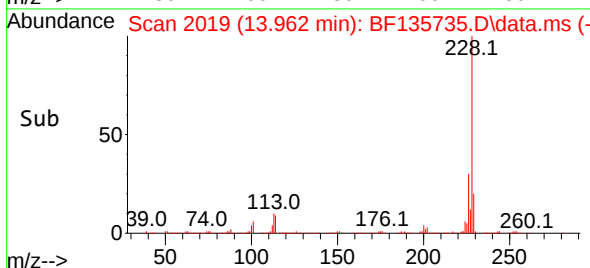
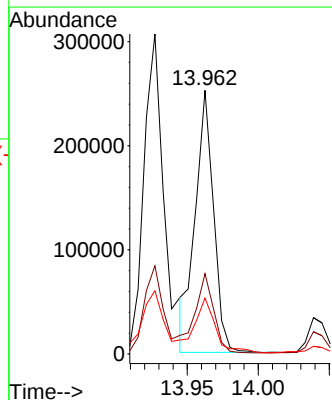
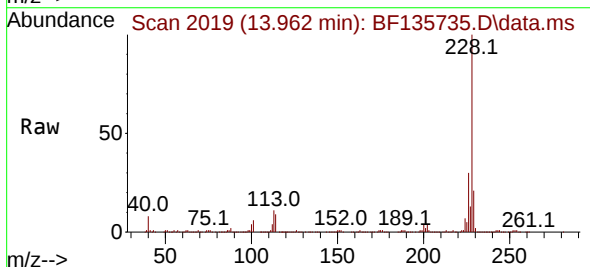
Manual Integrations
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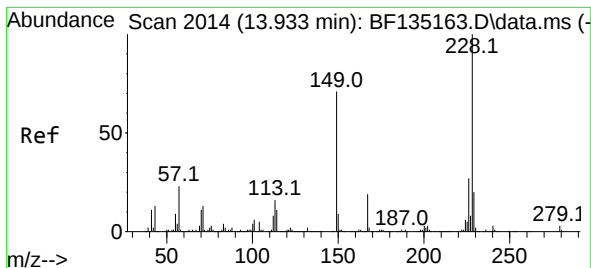
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#83
Chrysene
Concen: 19.722 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

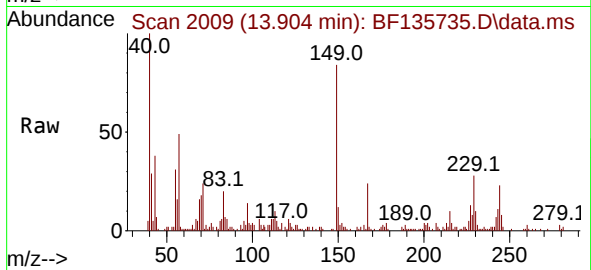
Tgt Ion:228 Resp: 225909
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 21.2 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.012 ng
RT: 13.904 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

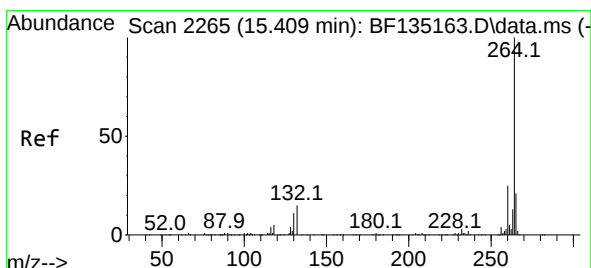
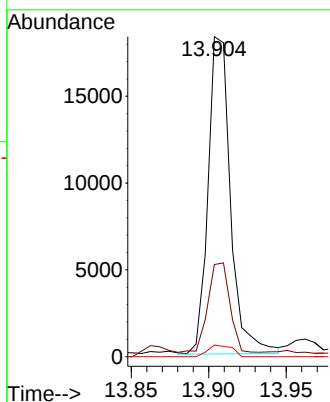
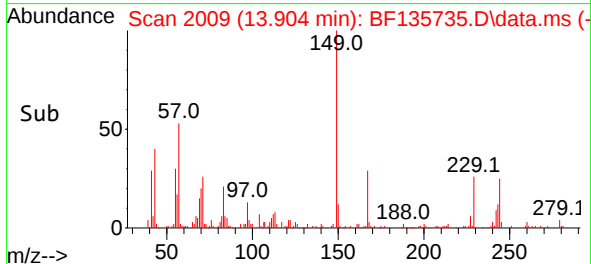
Instrument :
BNA_F
ClientSampleId :
72-11930



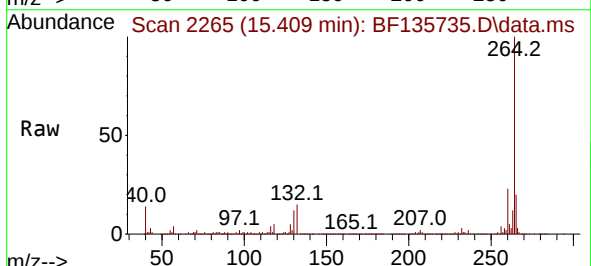
Tgt Ion:149 Resp: 18484
Ion Ratio Lower Upper
149 100
167 28.8 21.9 32.9
279 3.6 3.3 4.9

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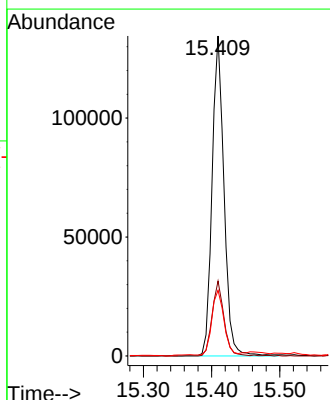
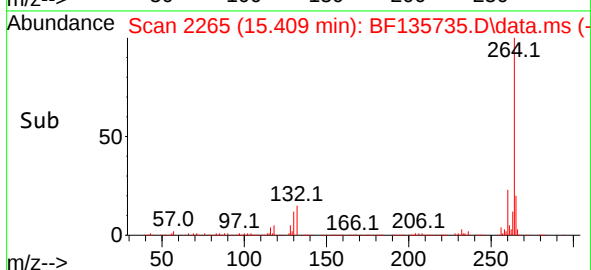
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

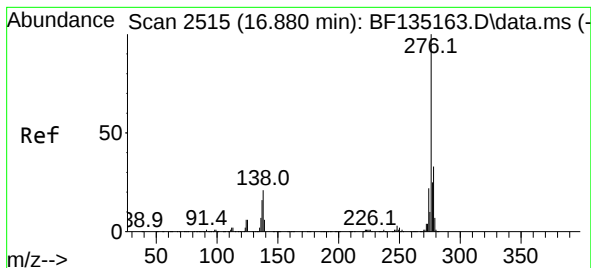


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25



Tgt Ion:264 Resp: 163599
Ion Ratio Lower Upper
264 100
260 23.4 19.8 29.6
265 20.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.310 ng

RT: 16.921 min Scan# 2192

Delta R.T. 0.018 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

Instrument :

BNA_F

ClientSampleId :

72-11930

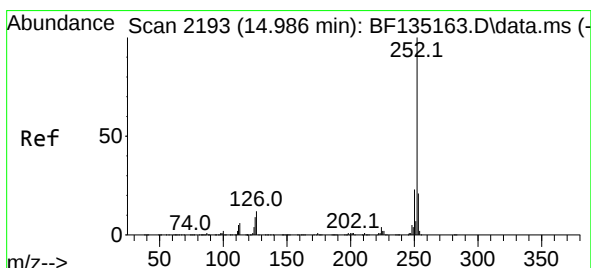
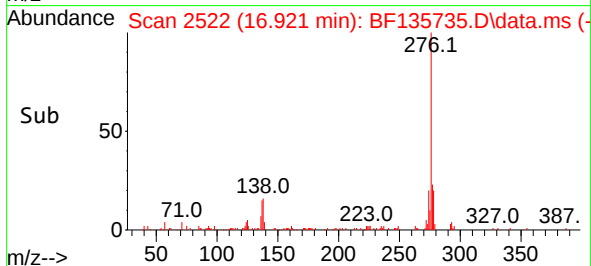
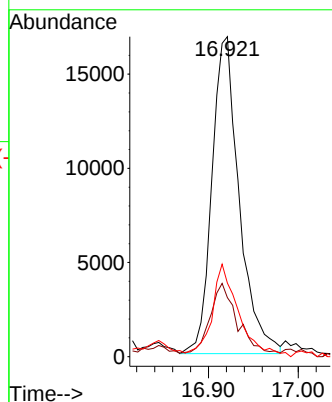
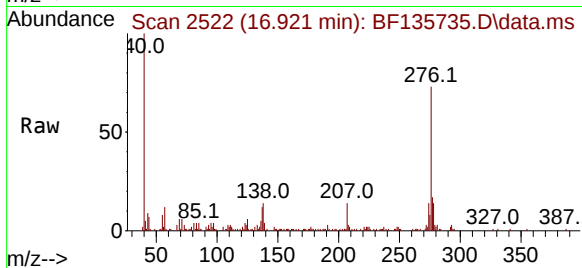
Tgt Ion:	276	Resp:	35508
Ion Ratio	Lower	Upper	
276	100		
138	21.4	19.2	28.8
277	28.6	19.7	29.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/13/2023

Supervised By :mohammad ahmed 10/13/2023



#88

Benzo(b)fluoranthene

Concen: 14.754 ng m

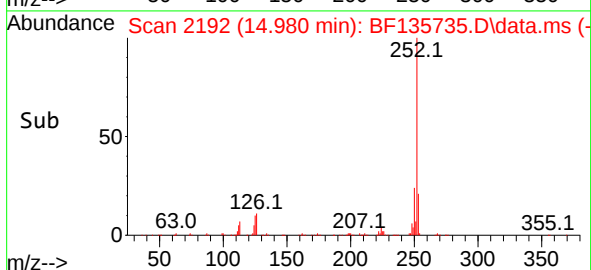
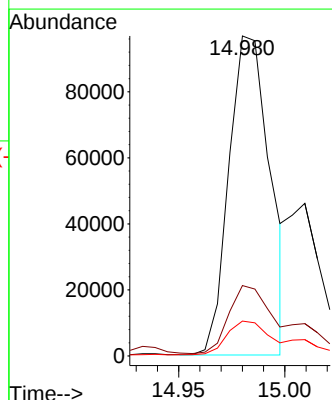
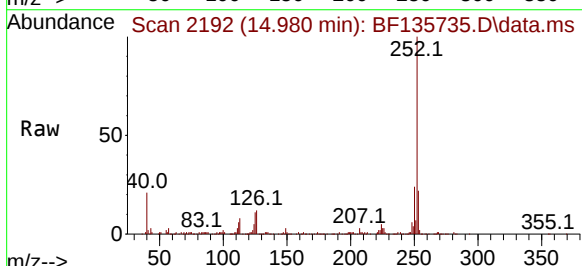
RT: 14.980 min Scan# 2192

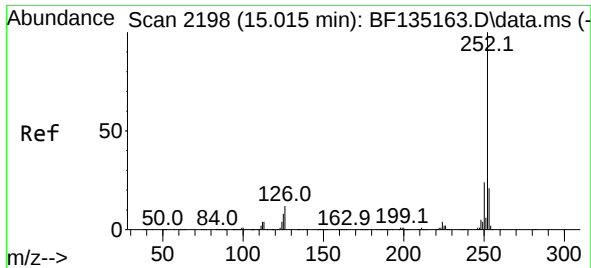
Delta R.T. -0.000 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

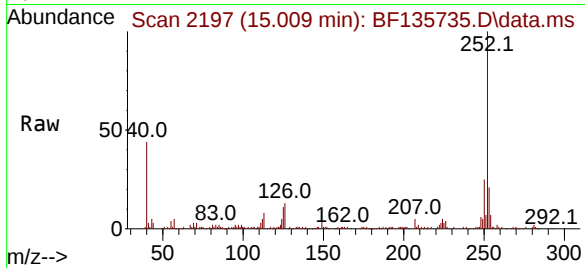
Tgt Ion:	252	Resp:	130663
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.2	25.8
125	10.9	7.1	10.7





#89
Benzo(k)fluoranthene
Concen: 5.416 ng m
RT: 15.009 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

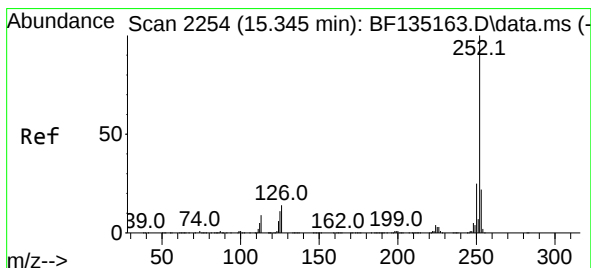
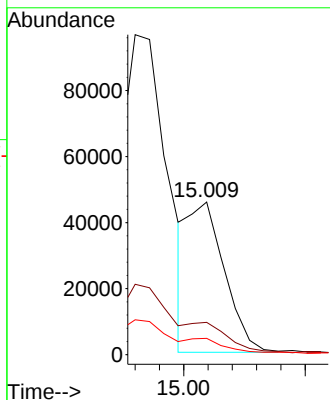
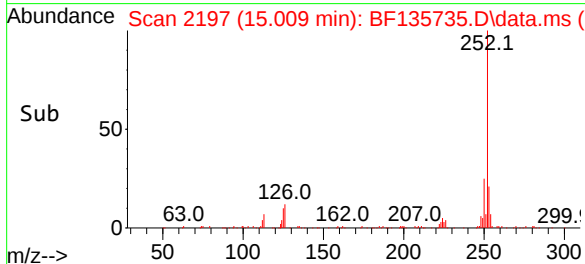
Instrument :
BNA_F
ClientSampleId :
72-11930



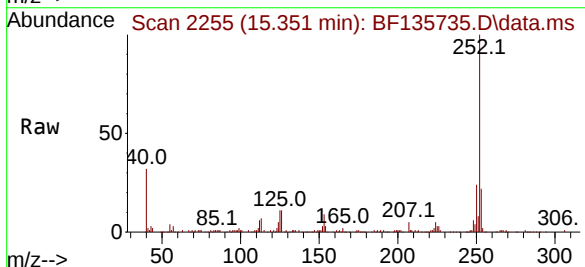
Tgt Ion:252 Resp: 47385
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.0
125 10.7 7.2 10.8

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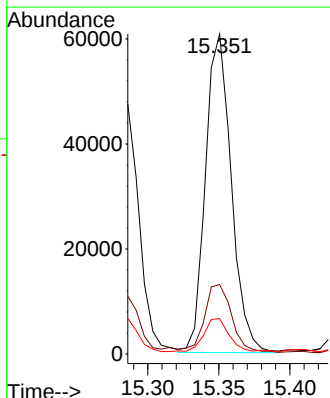
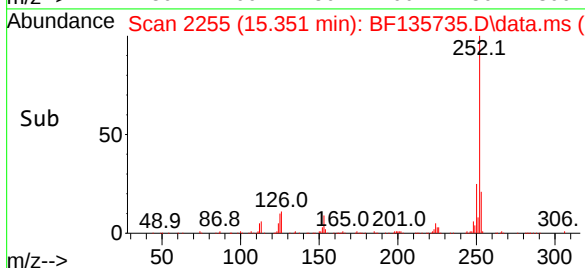
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

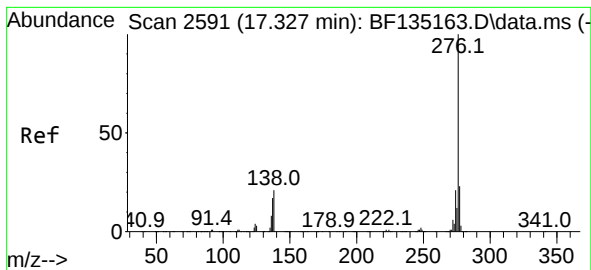


#90
Benzo(a)pyrene
Concen: 9.104 ng
RT: 15.351 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25



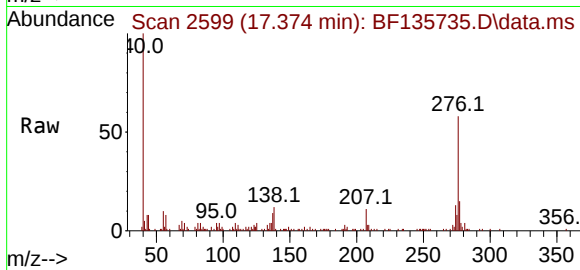
Tgt Ion:252 Resp: 76892
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 11.0 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.603 ng
 RT: 17.374 min Scan# 21
 Delta R.T. 0.023 min
 Lab File: BF135735.D
 Acq: 12 Oct 2023 15:25

Instrument :
 BNA_F
 ClientSampleId :
 72-11930



Tgt Ion: 276 Resp: 3302
 Ion Ratio Lower Upper
 276 100
 277 26.0 18.8 28.2
 138 21.1 16.9 25.3

Manual Integrations
 APPROVED

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

