

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135742.D
 Acq On : 12 Oct 2023 19:04
 Operator : CG\JU
 Sample : 04657-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V-1(0-2IN)

Quant Time: Oct 13 00:57:43 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	66967	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	220179	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	106765	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	169018	20.000	ng	0.00
76) Chrysene-d12	13.933	240	99298	20.000	ng	0.00
86) Perylene-d12	15.410	264	77248	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	432009	104.923	ng	0.00
7) Phenol-d6	6.393	99	521654	99.638	ng	0.00
23) Nitrobenzene-d5	7.304	82	294594	72.691	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	91780	86.504	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	510543	72.146	ng	0.00
79) Terphenyl-d14	12.869	244	361790	56.481	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.040	128	40385	3.775	ng	98
49) Acenaphthylene	9.639	152	60443	6.109	ng	99
58) Fluorene	10.328	166	23171	3.380	ng	96
71) Phenanthrene	11.298	178	268997	33.651	ng	99
72) Anthracene	11.351	178	89319	10.870	ng	97
75) Fluoranthene	12.498	202	411494	49.402	ng	97
78) Pyrene	12.727	202	398269	42.127	ng	100
81) Benzo(a)anthracene	13.927	228	167621	26.142	ng	94
83) Chrysene	13.963	228	140261	22.002	ng	98
84) Bis(2-ethylhexyl)phtha...	13.910	149	11409	3.340	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.910	276	50350	9.941	ng	96
88) Benzo(b)fluoranthene	14.980	252	122554m	29.307	ng	
89) Benzo(k)fluoranthene	15.010	252	45133m	10.926	ng	
90) Benzo(a)pyrene	15.351	252	96742	24.259	ng	98
91) Dibenzo(a,h)anthracene	16.910	278	13041	3.147	ng	# 72
92) Benzo(g,h,i)perylene	17.362	276	48991	11.319	ng	97

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

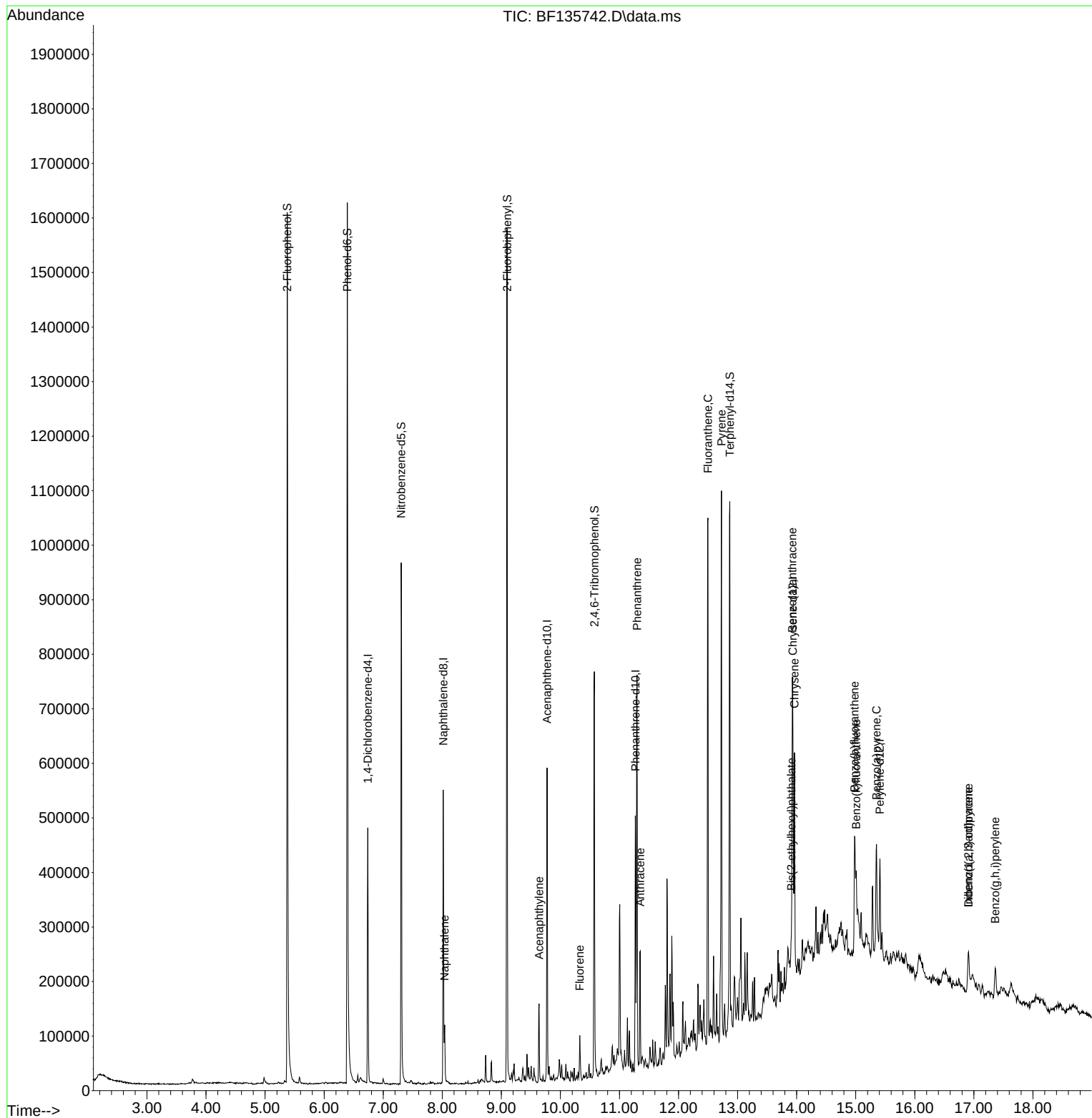
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
Data File : BF135742.D
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Misc :
ALS Vial : 19 Sample Multiplier: 1

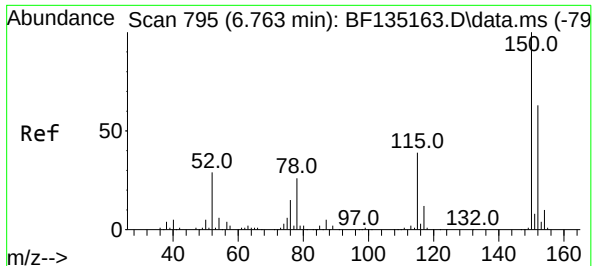
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V-1(0-2IN)

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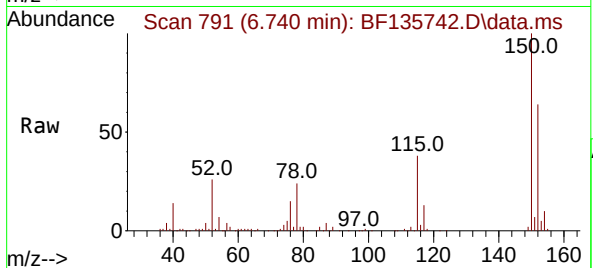
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

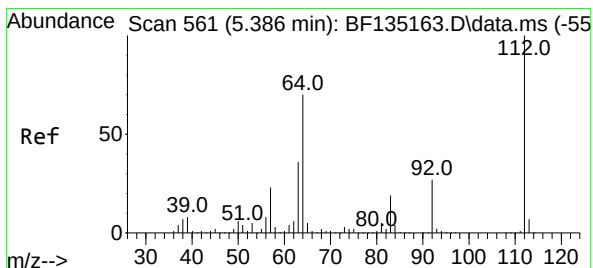
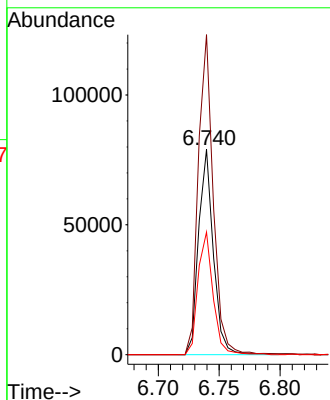
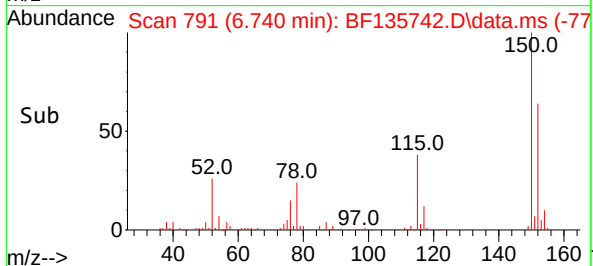
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)



Tgt Ion:152 Resp: 6696
Ion Ratio Lower Upper
152 100
150 155.9 127.8 191.6
115 59.7 49.8 74.8

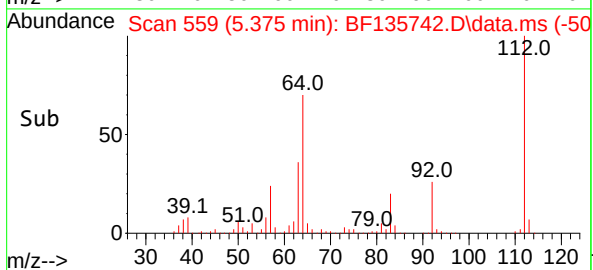
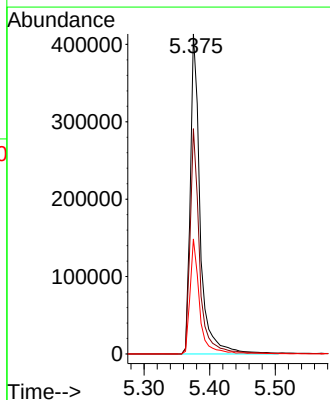
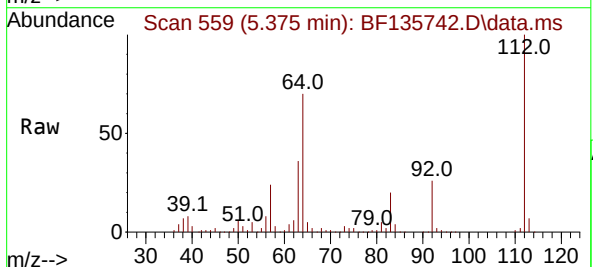
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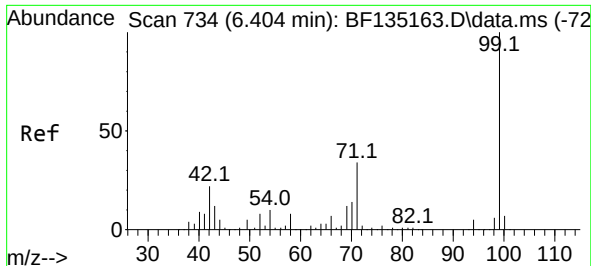
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#5
2-Fluorophenol
Concen: 104.923 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Tgt Ion:112 Resp: 432009
Ion Ratio Lower Upper
112 100
64 70.4 55.9 83.9
63 35.9 29.0 43.6





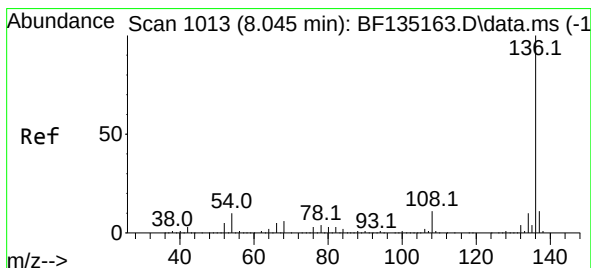
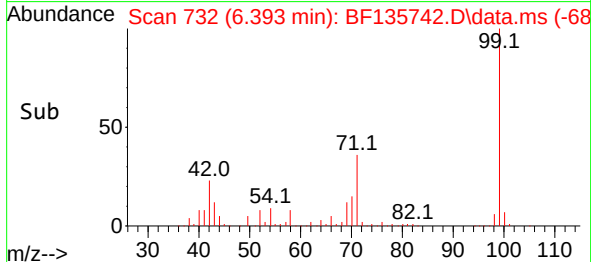
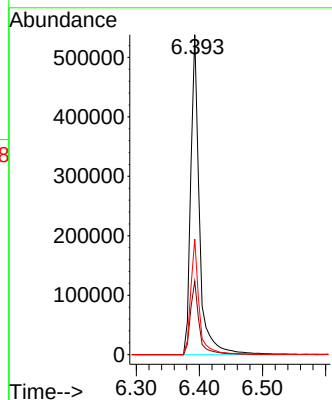
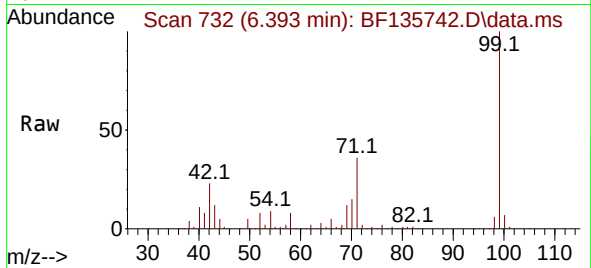
#7
Phenol-d6
Concen: 99.638 ng
RT: 6.393 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)

Tgt Ion: 99 Resp: 521654
Ion Ratio Lower Upper
99 100
42 23.0 17.9 26.9
71 36.2 27.0 40.6

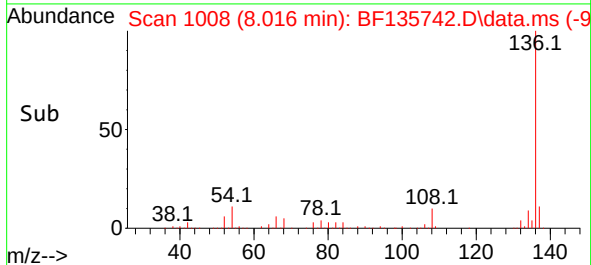
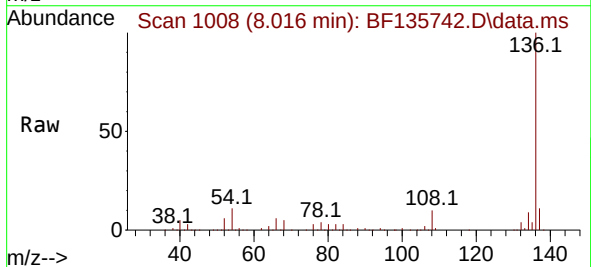
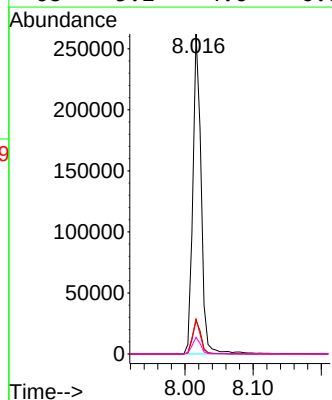
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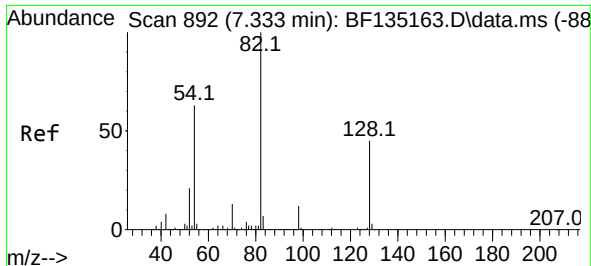
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Tgt Ion:136 Resp: 220179
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 11.0 7.7 11.5
68 5.2 4.6 6.8





#23

Nitrobenzene-d5

Concen: 72.691 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)

Tgt Ion: 82 Resp: 294594

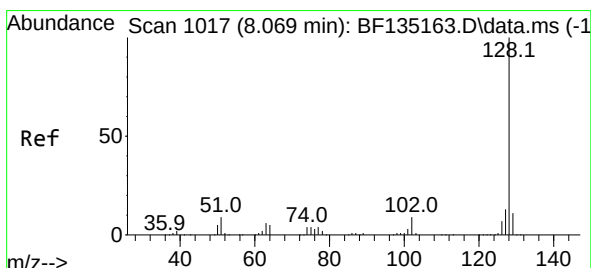
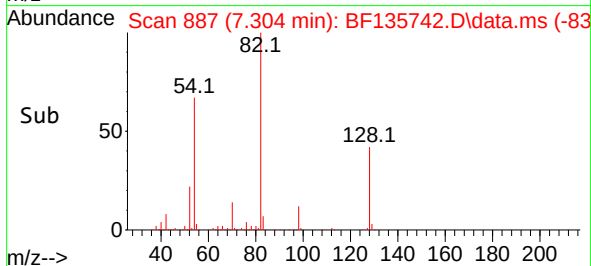
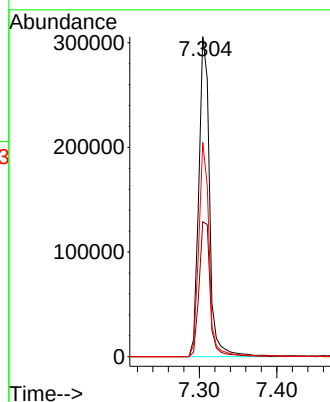
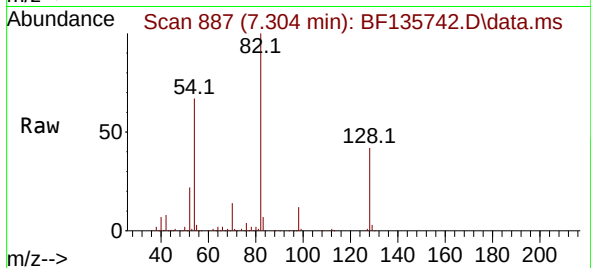
Ion	Ratio	Lower	Upper
82	100		
128	42.2	35.8	53.6
54	66.9	50.6	76.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/13/2023

Supervised By :mohammad ahmed 10/13/2023



#31

Naphthalene

Concen: 3.775 ng

RT: 8.040 min Scan# 1012

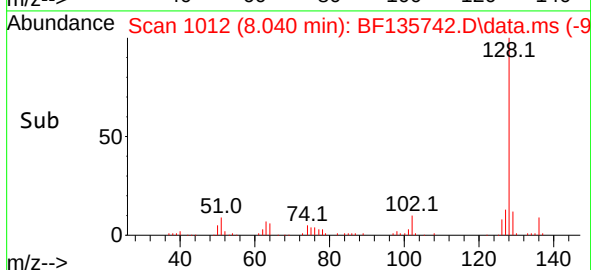
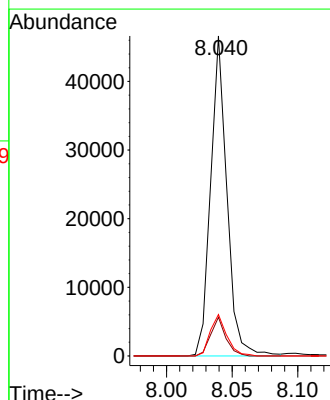
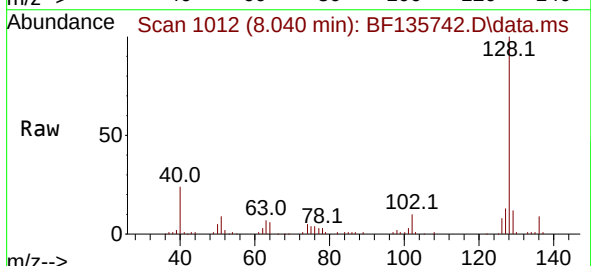
Delta R.T. 0.000 min

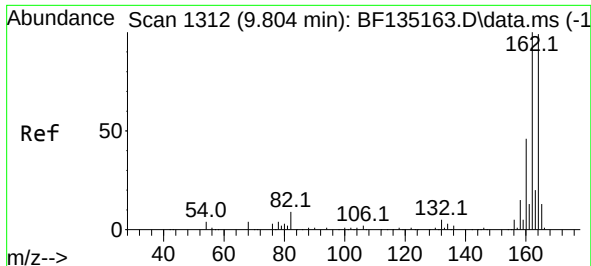
Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Tgt Ion:128 Resp: 40385

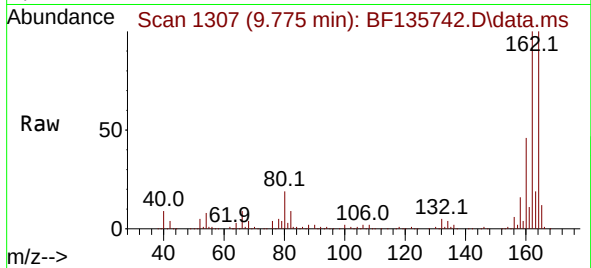
Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.7	13.1
127	12.9	10.7	16.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

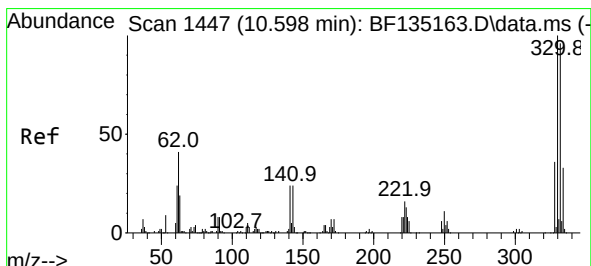
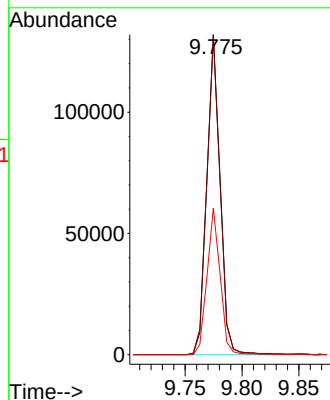
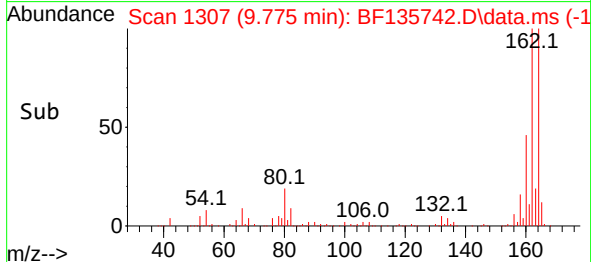
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)



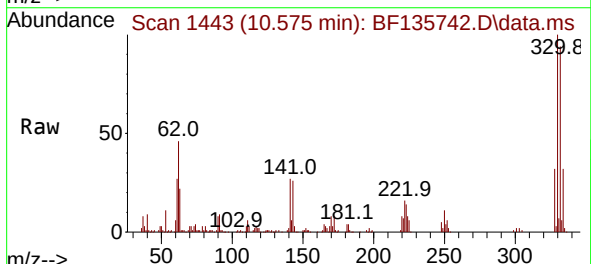
Tgt Ion:164 Resp: 10676
Ion Ratio Lower Upper
164 100
162 99.7 81.0 121.4
160 45.8 37.0 55.4

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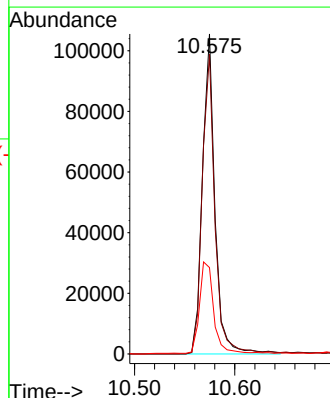
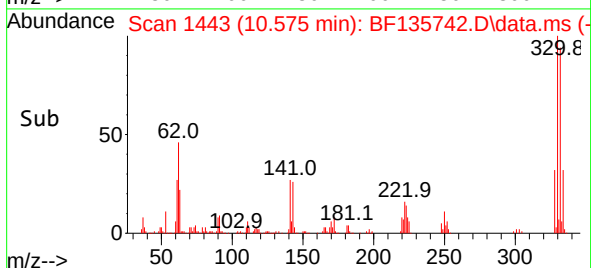
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

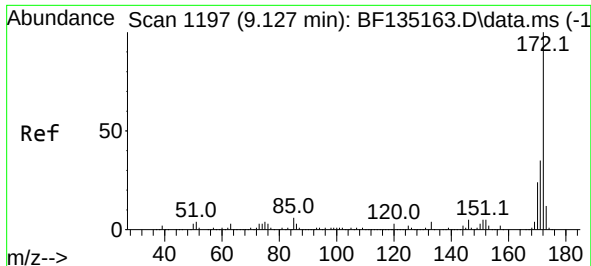


#42
2,4,6-Tribromophenol
Concen: 86.504 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04



Tgt Ion:330 Resp: 91780
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 34.4 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 72.146 ng

RT: 9.098 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)

Tgt Ion:172 Resp: 51054

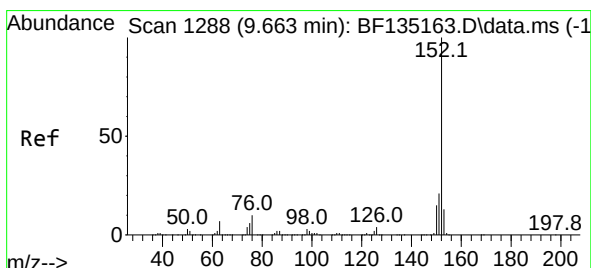
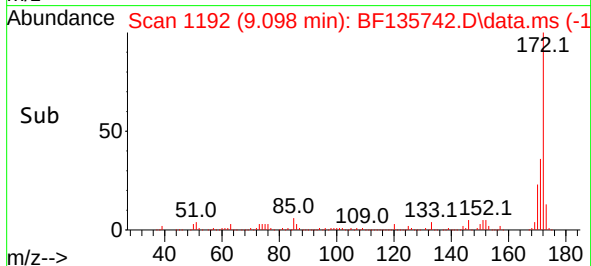
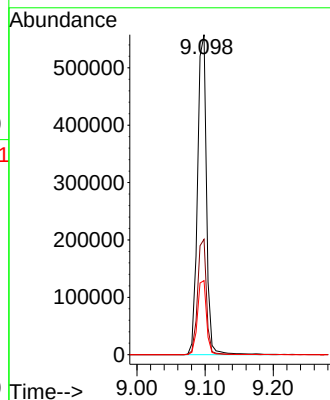
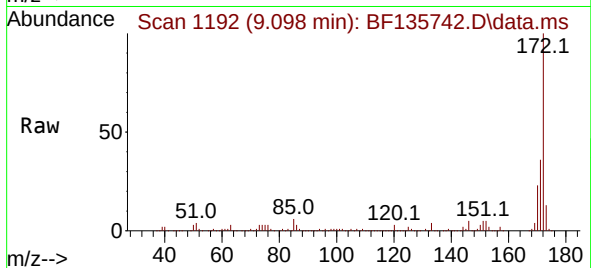
Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.4	42.6
170	23.1	19.0	28.4

Manual Integrations

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Supervised By :mohammad ahmed 10/13/2023



#49

Acenaphthylene

Concen: 6.109 ng

RT: 9.639 min Scan# 1284

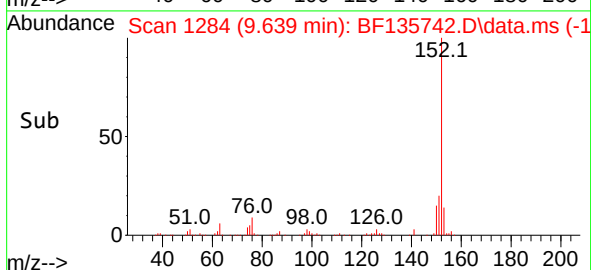
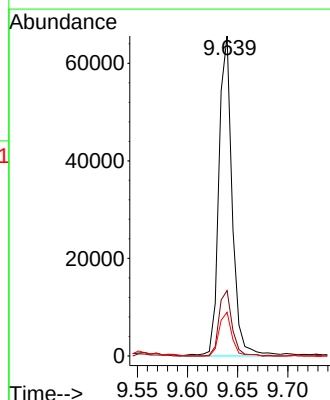
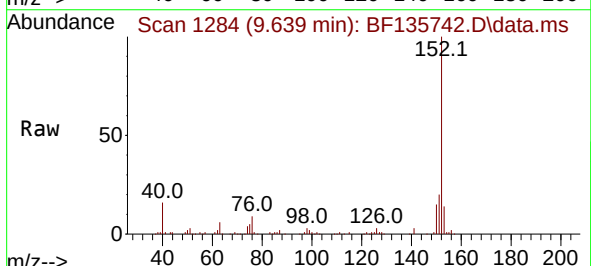
Delta R.T. 0.000 min

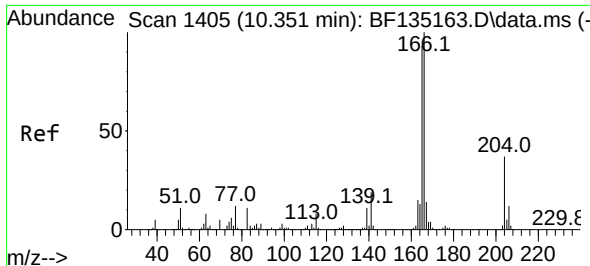
Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Tgt Ion:152 Resp: 60443

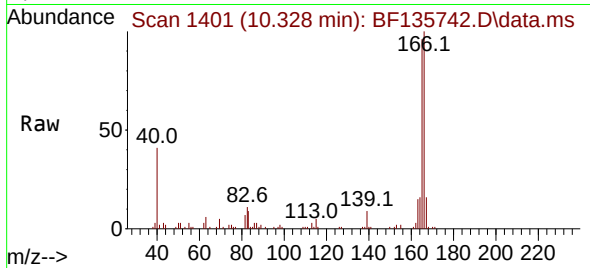
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	13.6	10.4	15.6





#58
Fluorene
Concen: 3.380 ng
RT: 10.328 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

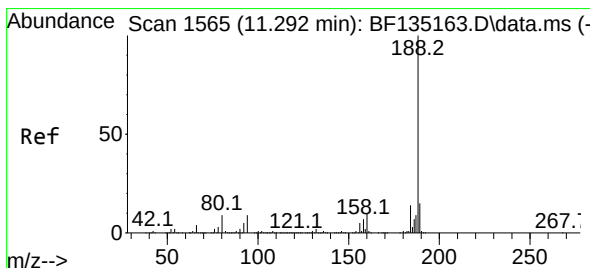
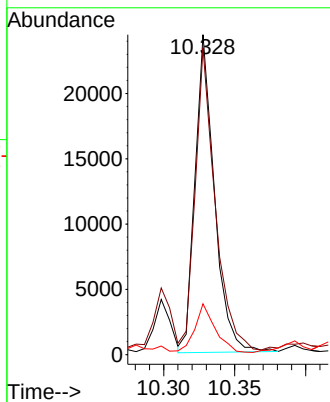
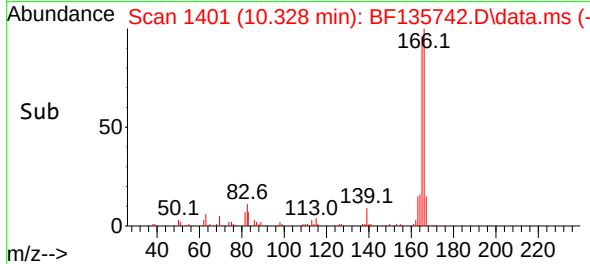
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)



Tgt Ion:166 Resp: 2317
Ion Ratio Lower Upper
166 100
165 96.0 74.3 111.5
167 15.9 10.9 16.3

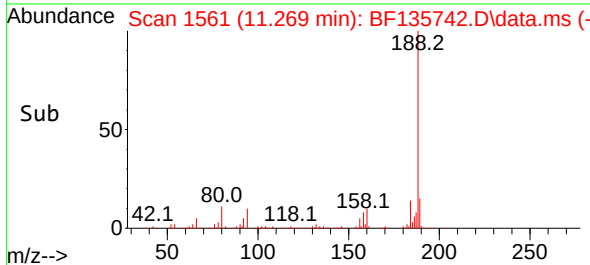
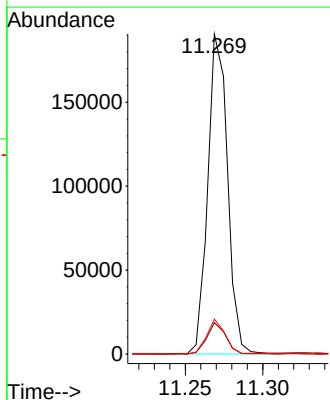
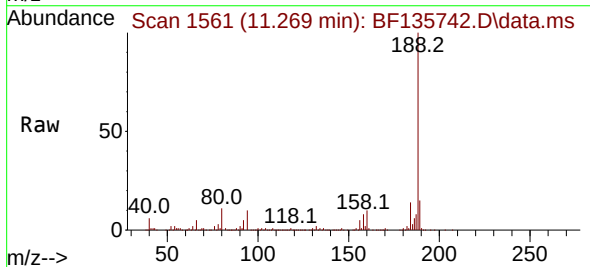
Manual Integrations
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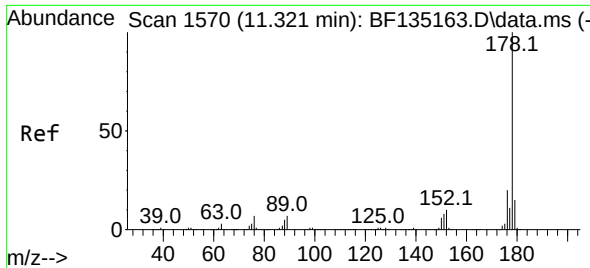
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

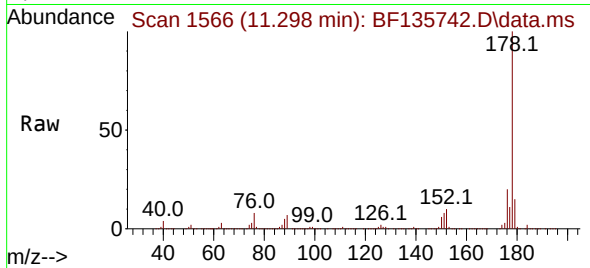
Tgt Ion:188 Resp: 169018
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 10.9 7.5 11.3





#71
Phenanthrene
Concen: 33.651 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

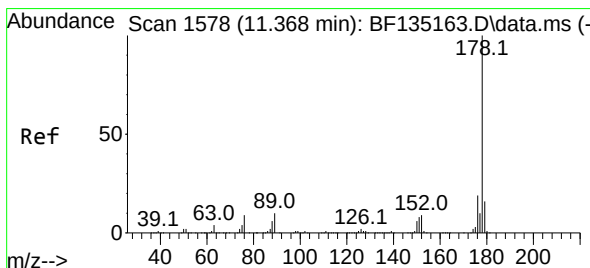
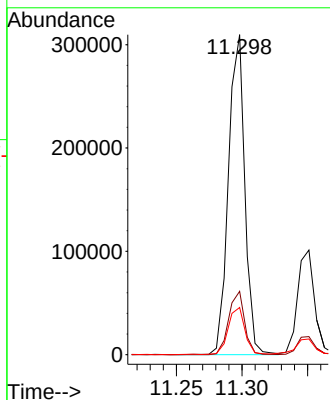
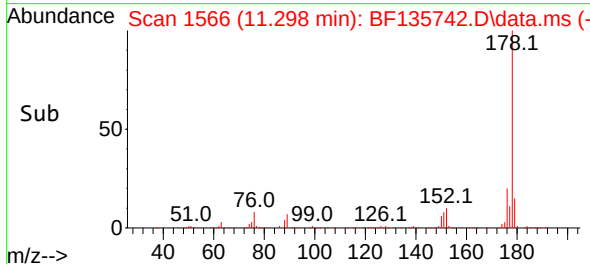
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)



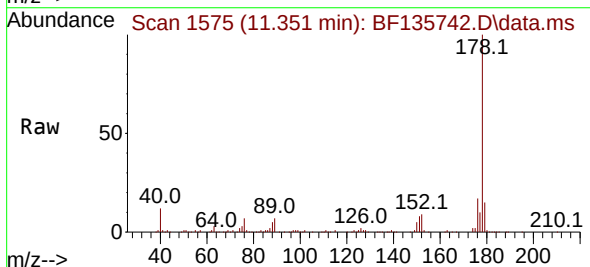
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Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 14.7 12.0 18.0

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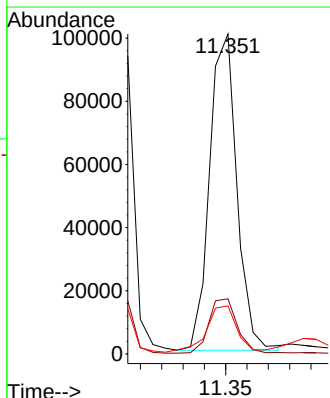
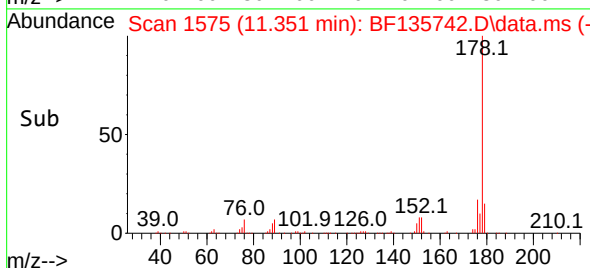
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

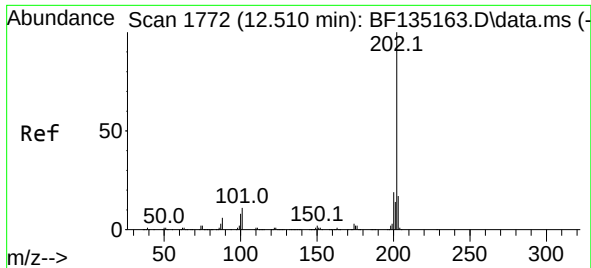


#72
Anthracene
Concen: 10.870 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04



Tgt Ion:178 Resp: 89319
Ion Ratio Lower Upper
178 100
176 17.3 15.4 23.2
179 15.0 12.6 19.0





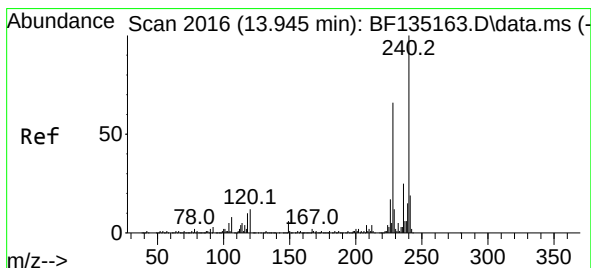
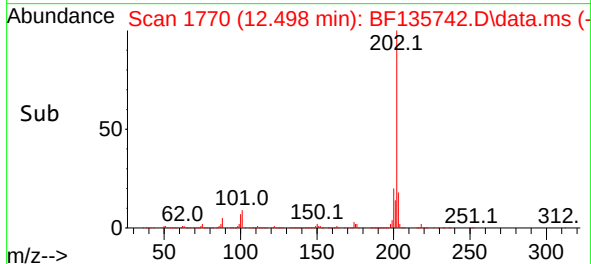
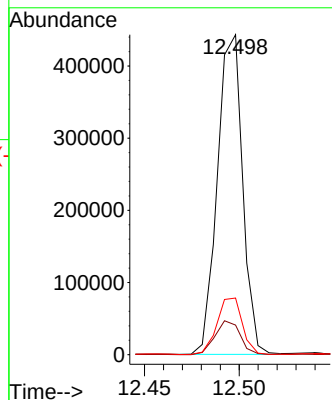
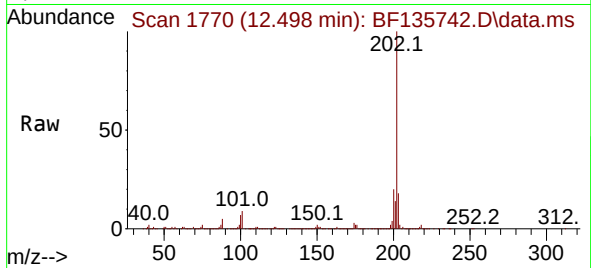
#75
Fluoranthene
Concen: 49.402 ng
RT: 12.498 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)

Tgt Ion:202 Resp: 411494
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.3
203 17.7 0.0 37.4

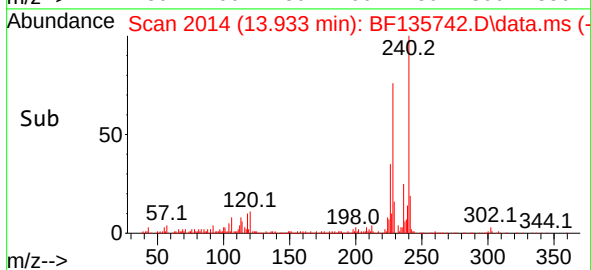
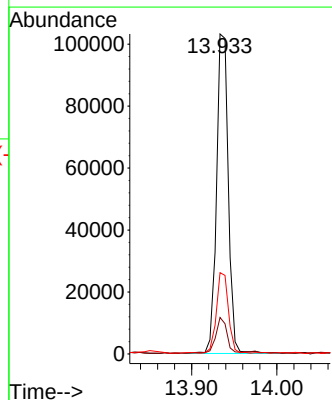
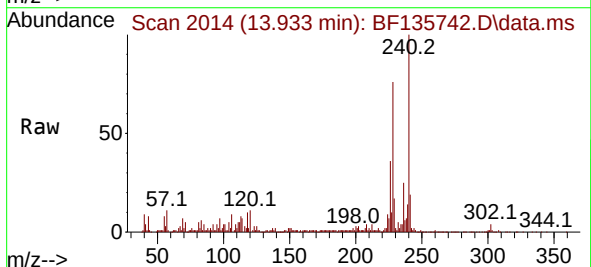
Manual Integrations
APPROVED

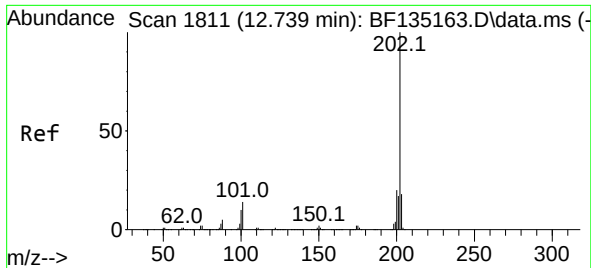
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

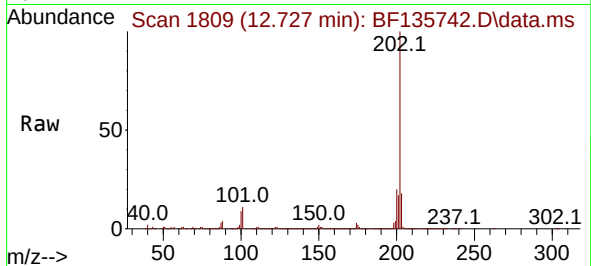
Tgt Ion:240 Resp: 99298
Ion Ratio Lower Upper
240 100
120 11.4 9.4 14.2
236 25.4 19.8 29.8





#78
Pyrene
Concen: 42.127 ng
RT: 12.727 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

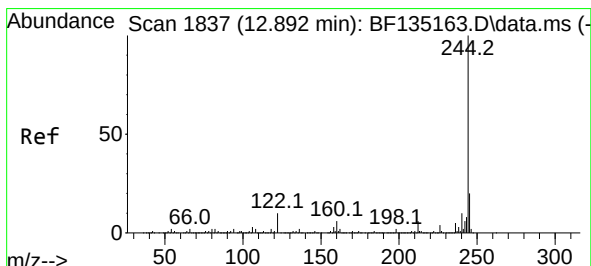
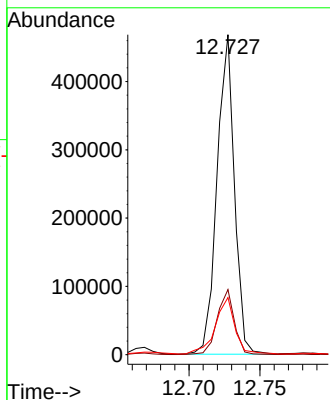
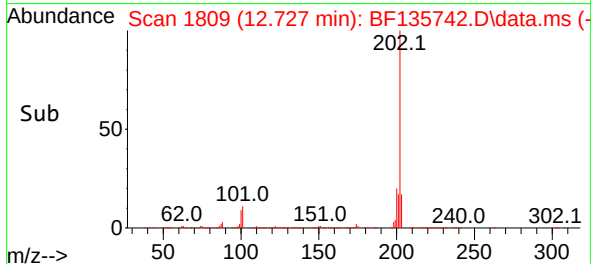
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)



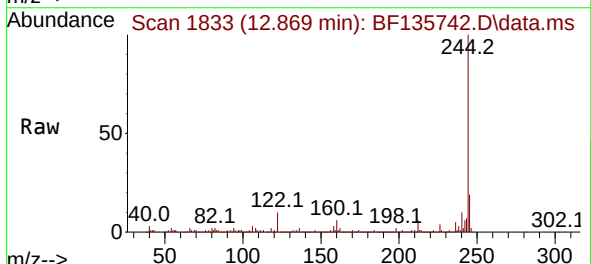
Tgt Ion:202 Resp: 398269
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.2
203 17.9 14.2 21.4

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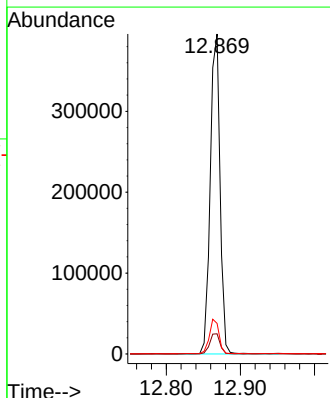
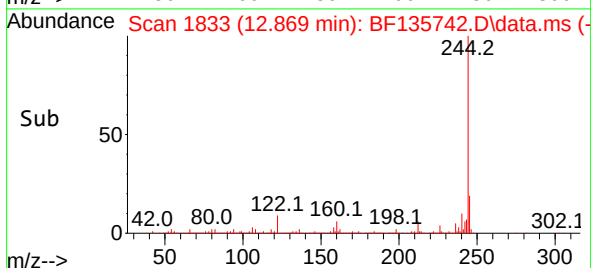
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

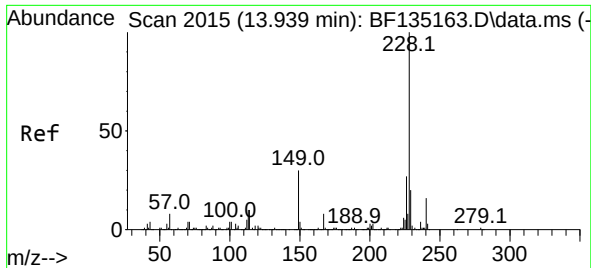


#79
Terphenyl-d14
Concen: 56.481 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04



Tgt Ion:244 Resp: 361790
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 9.5 7.9 11.9





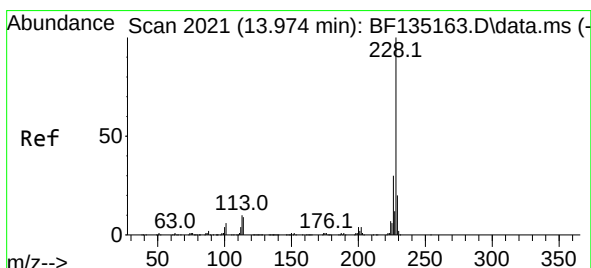
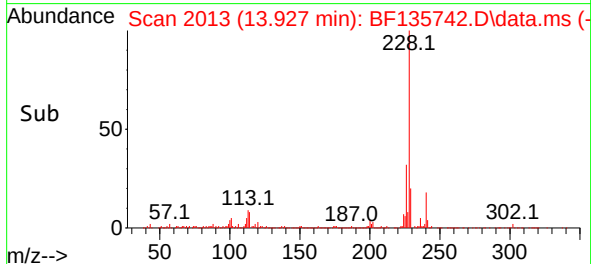
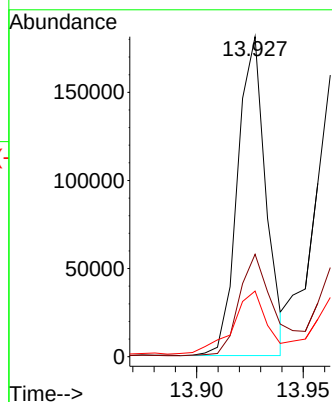
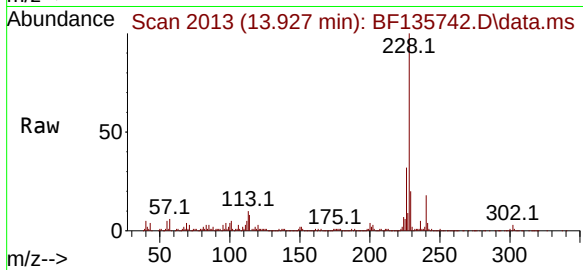
#81
Benzo(a)anthracene
Concen: 26.142 ng
RT: 13.927 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)

Tgt Ion:228 Resp: 16762
Ion Ratio Lower Upper
228 100
226 32.0 21.7 32.5
229 20.5 15.8 23.8

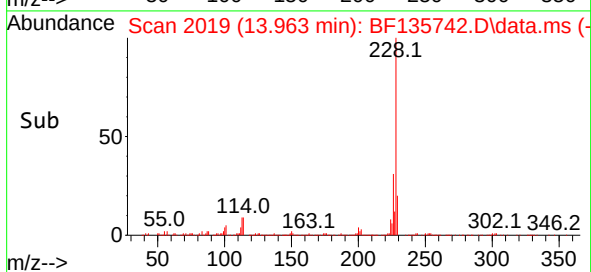
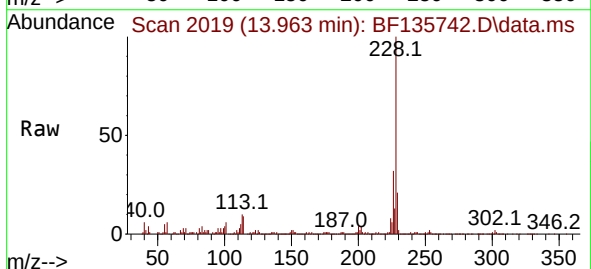
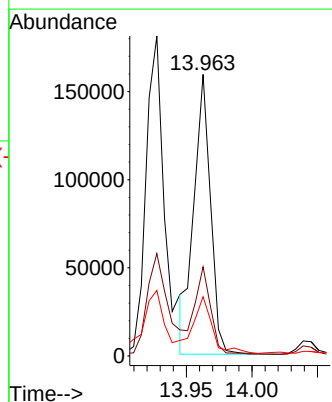
Manual Integrations
APPROVED

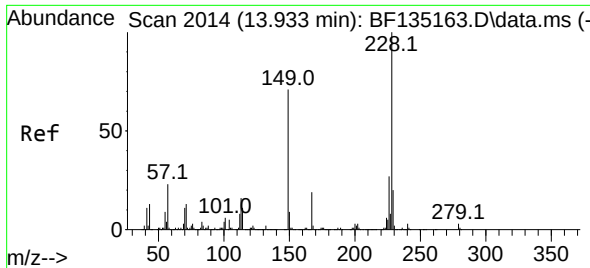
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#83
Chrysene
Concen: 22.002 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Tgt Ion:228 Resp: 140261
Ion Ratio Lower Upper
228 100
226 31.6 24.3 36.5
229 21.0 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.340 ng
RT: 13.910 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Instrument :

BNA_F

ClientSampleId :

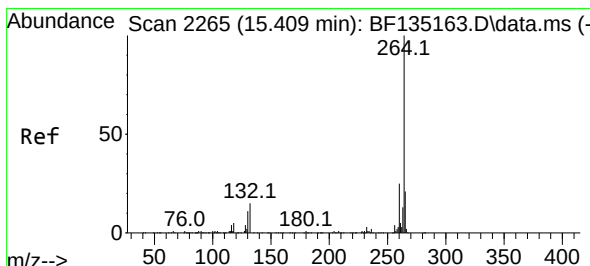
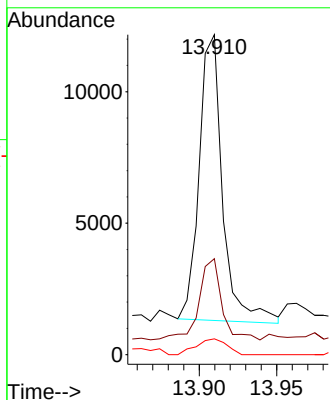
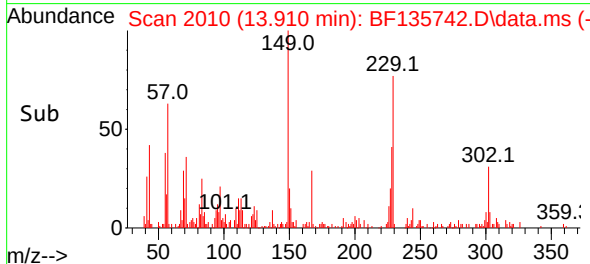
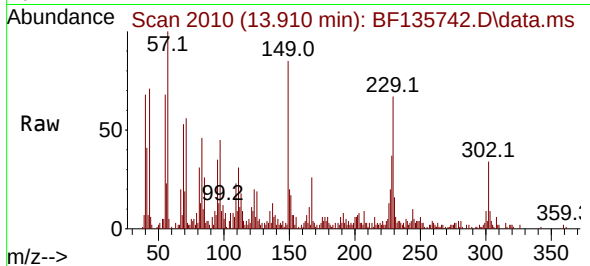
V-1(0-2IN)

Tgt Ion:149 Resp: 11409
Ion Ratio Lower Upper
149 100
167 30.0 21.9 32.9
279 4.9 3.3 4.9

Manual Integrations

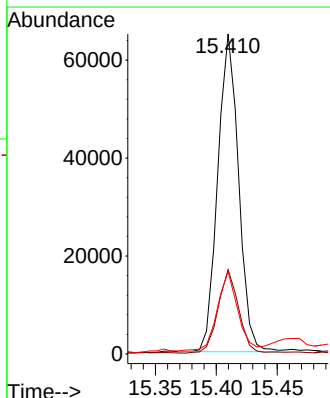
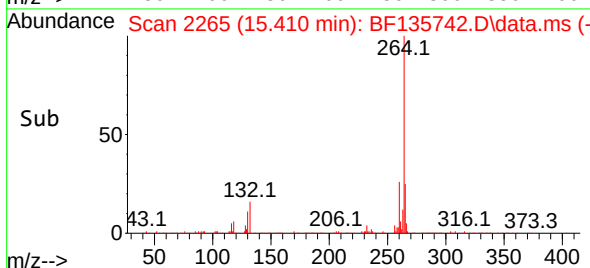
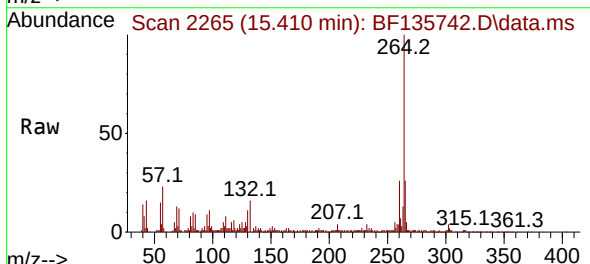
APPROVED

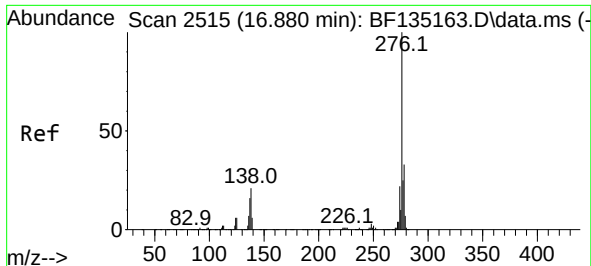
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Tgt Ion:264 Resp: 77248
Ion Ratio Lower Upper
264 100
260 26.4 19.8 29.6
265 25.7 17.0 25.4





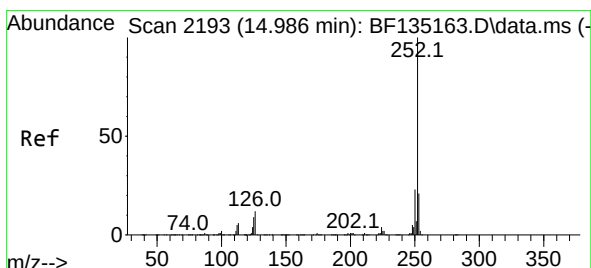
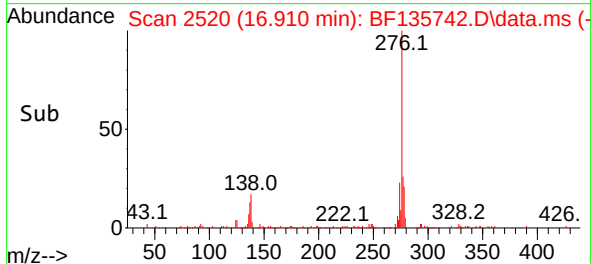
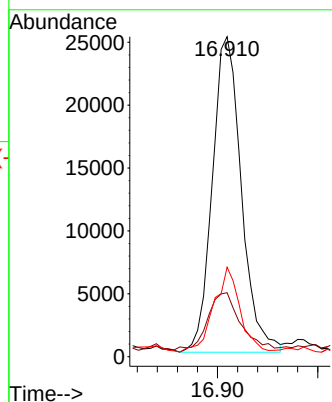
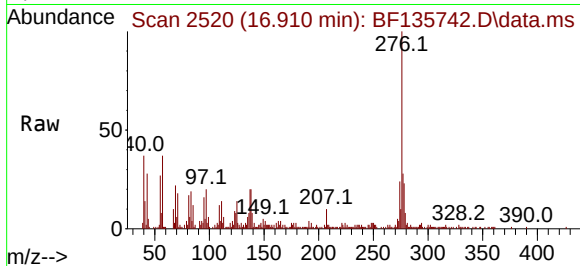
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.941 ng
 RT: 16.910 min Scan# 2192
 Delta R.T. 0.006 min
 Lab File: BF135742.D
 Acq: 12 Oct 2023 19:04

Instrument :
 BNA_F
 ClientSampleId :
 V-1(0-2IN)

Tgt Ion:276 Resp: 50350
 Ion Ratio Lower Upper
 276 100
 138 20.4 19.2 28.8
 277 24.1 19.7 29.5

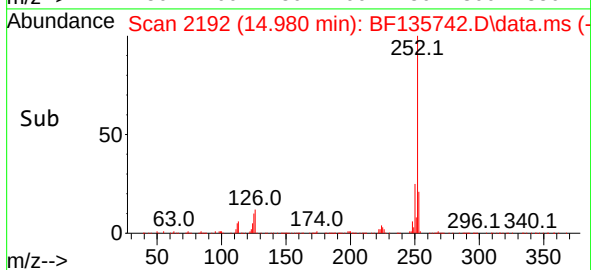
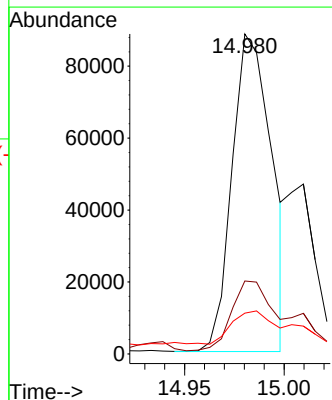
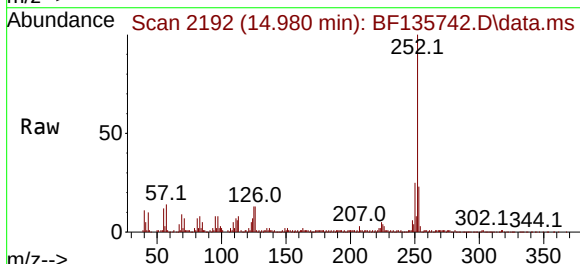
Manual Integrations
 APPROVED

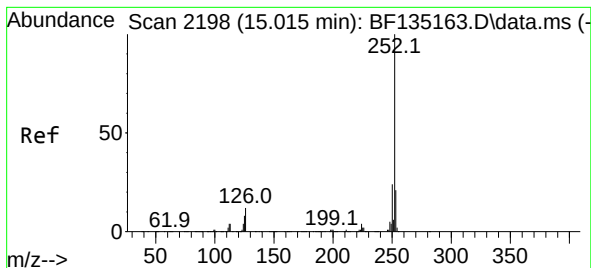
Reviewed By :Yogesh Patel 10/13/2023
 Supervised By :mohammad ahmed 10/13/2023



#88
 Benzo(b)fluoranthene
 Concen: 29.307 ng m
 RT: 14.980 min Scan# 2192
 Delta R.T. 0.000 min
 Lab File: BF135742.D
 Acq: 12 Oct 2023 19:04

Tgt Ion:252 Resp: 122554
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.2 25.8
 125 12.8 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 10.926 ng m

RT: 15.010 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)

Tgt Ion:252 Resp: 4513

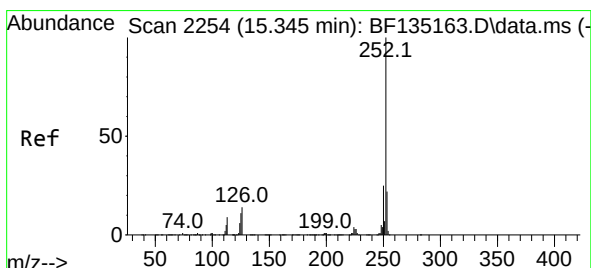
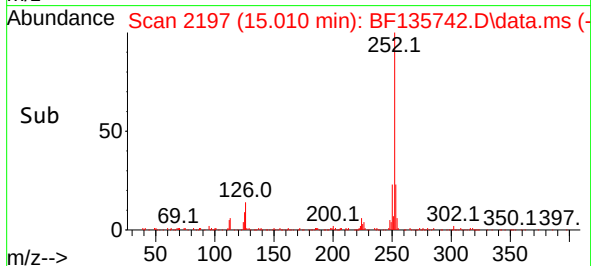
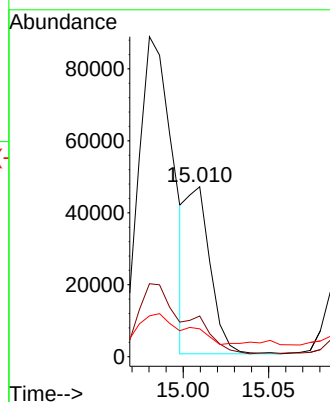
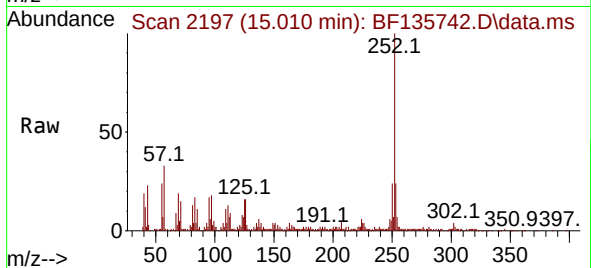
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	16.4	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/13/2023

Supervised By :mohammad ahmed 10/13/2023



#90

Benzo(a)pyrene

Concen: 24.259 ng

RT: 15.351 min Scan# 2255

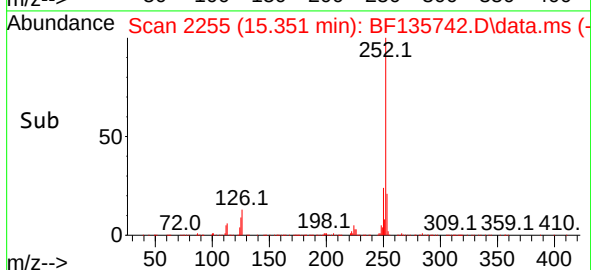
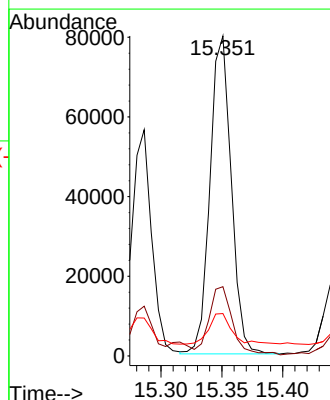
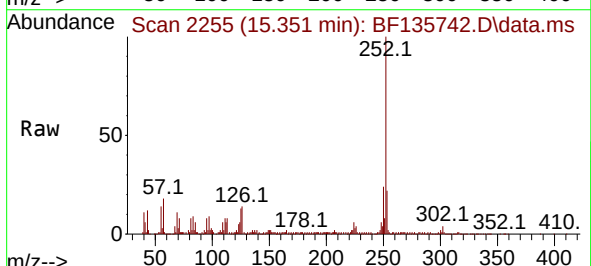
Delta R.T. 0.006 min

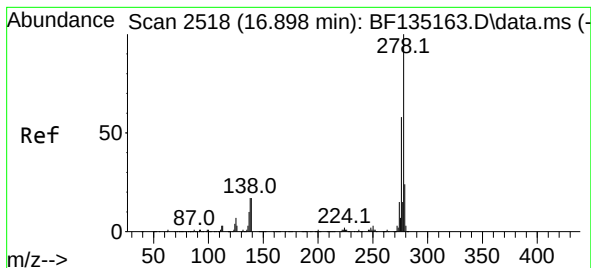
Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Tgt Ion:252 Resp: 96742

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	13.3	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 3.147 ng

RT: 16.910 min Scan# 2518

Delta R.T. 0.000 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)

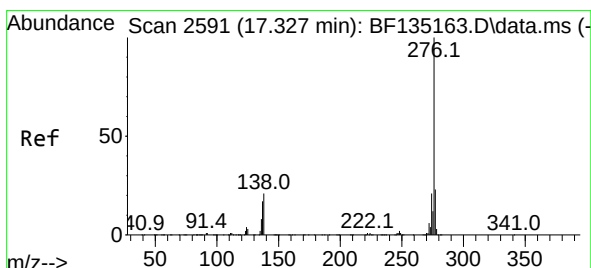
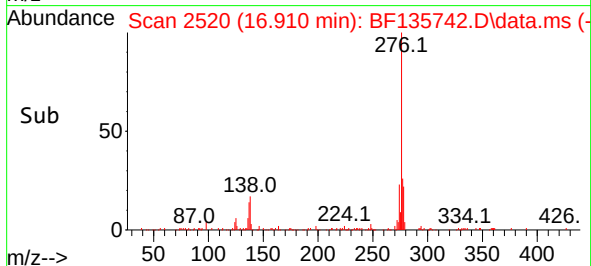
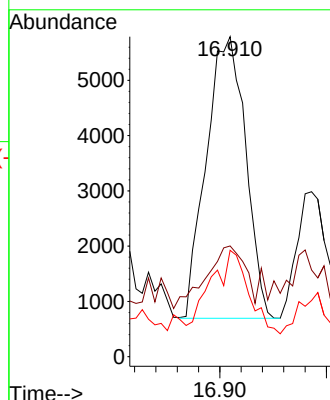
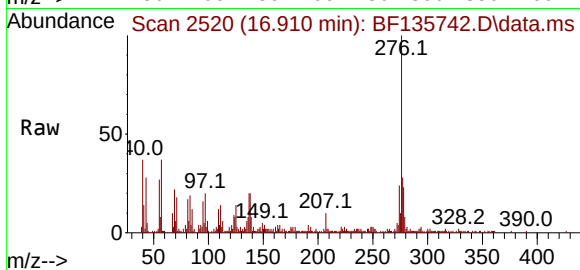
Tgt Ion:	278	Resp:	1304
Ion Ratio	Lower	Upper	
278	100		
139	34.6	13.4	20.0
279	33.2	19.0	28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/13/2023

Supervised By :mohammad ahmed 10/13/2023



#92

Benzo(g,h,i)perylene

Concen: 11.319 ng

RT: 17.362 min Scan# 2597

Delta R.T. 0.012 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Tgt Ion:	276	Resp:	48991
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.8	28.2
138	22.0	16.9	25.3

