

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135674.D
 Acq On : 10 Oct 2023 03:18
 Operator : CG\JU
 Sample : 04784-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-10052023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/11/2023

Quant Time: Oct 10 04:24:42 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 04 17:06:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	101049	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	368119	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	156269	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	252582	20.000	ng	0.00
76) Chrysene-d12	13.933	240	172272	20.000	ng	0.00
86) Perylene-d12	15.404	264	148639	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	576210	92.745	ng	0.00
7) Phenol-d6	6.387	99	722908	91.507	ng	0.00
23) Nitrobenzene-d5	7.304	82	443671	65.480	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	124253	80.012	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	751184	72.524	ng	0.00
79) Terphenyl-d14	12.863	244	626458	56.372	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.804	154	24862	2.906	ng	96
58) Fluorene	10.328	166	27334	2.724	ng	93
71) Phenanthrene	11.292	178	387476	32.436	ng	99
72) Anthracene	11.345	178	103447	8.425	ng	100
73) Carbazole	11.510	167	25504	2.282	ng	97
75) Fluoranthene	12.492	202	892814	71.725	ng	99
78) Pyrene	12.727	202	795800	48.520	ng	99
81) Benzo(a)anthracene	13.921	228	361003	32.452	ng	99
83) Chrysene	13.957	228	310063	28.035	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	142912	14.664	ng	94
88) Benzo(b)fluoranthene	14.980	252	342558m	42.573	ng	
89) Benzo(k)fluoranthene	15.004	252	91500m	11.512	ng	
90) Benzo(a)pyrene	15.345	252	229988	29.973	ng	98
91) Dibenzo(a,h)anthracene	16.904	278	30445	3.818	ng	# 84
92) Benzo(g,h,i)perylene	17.351	276	134923	16.201	ng	97

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

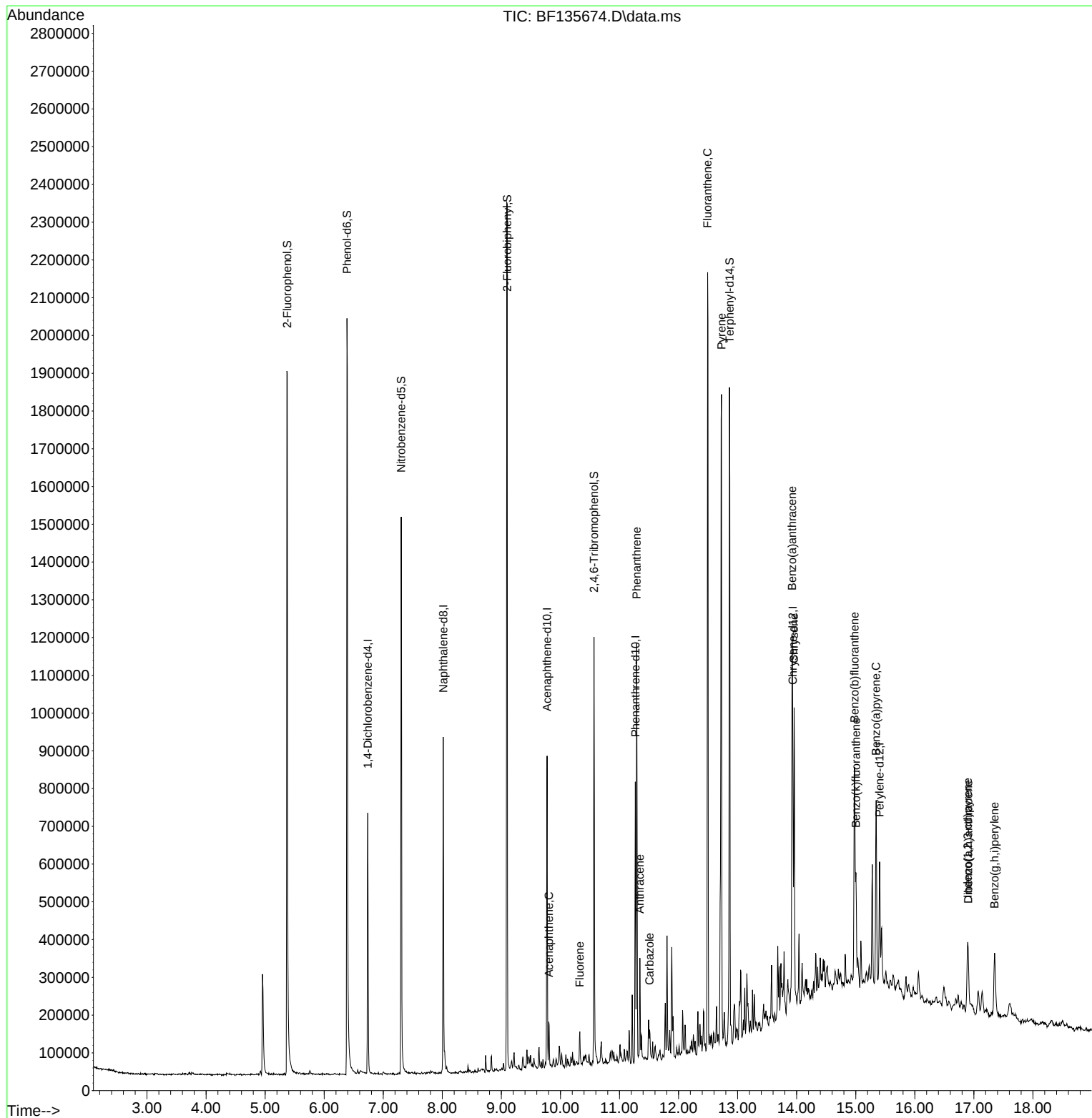
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
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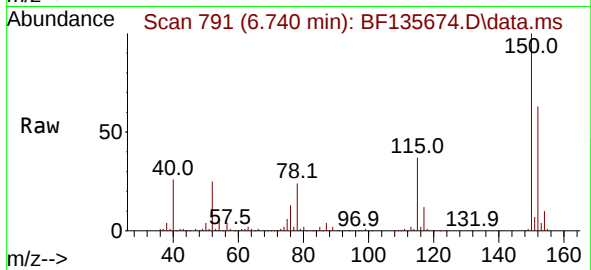
Quant Time: Oct 10 04:24:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

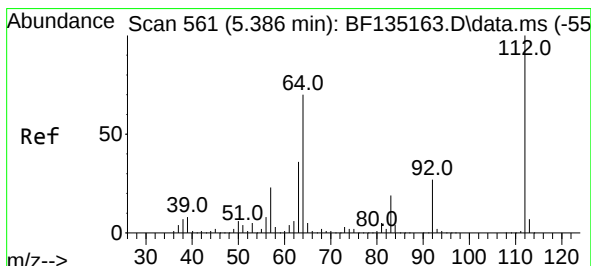
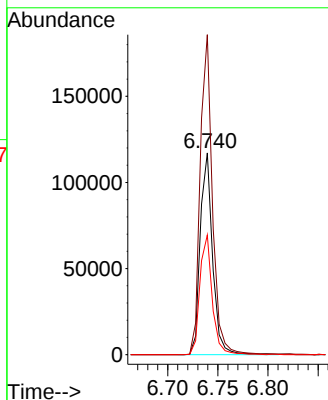
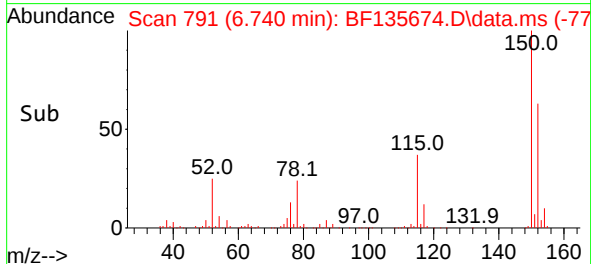
Instrument :
BNA_F
ClientSampleId :
OR-02-10052023



Tgt Ion:152 Resp: 101049
Ion Ratio Lower Upper
152 100
150 158.6 127.8 191.6
115 59.4 49.8 74.8

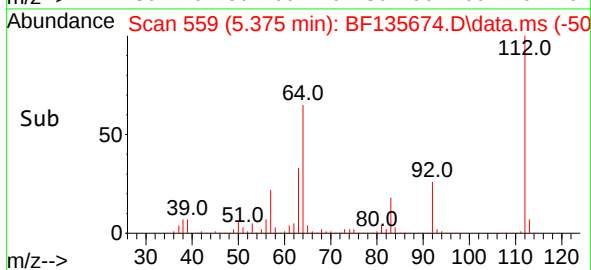
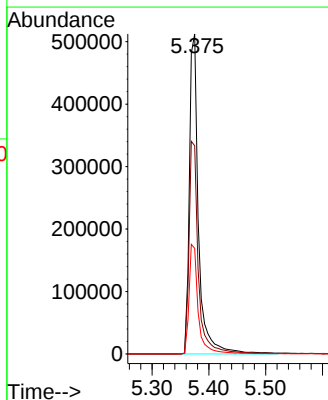
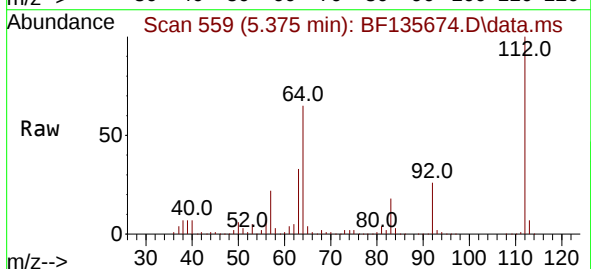
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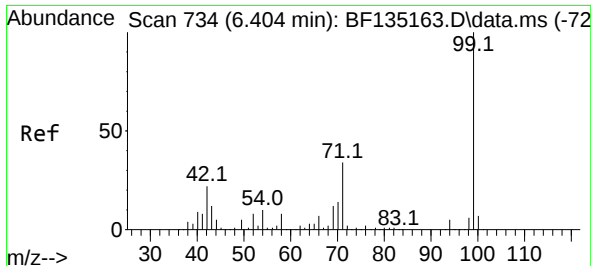
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#5
2-Fluorophenol
Concen: 92.745 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

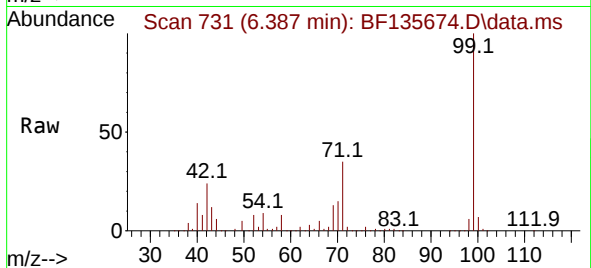
Tgt Ion:112 Resp: 576210
Ion Ratio Lower Upper
112 100
64 65.1 55.9 83.9
63 33.0 29.0 43.6





#7
Phenol-d6
Concen: 91.507 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

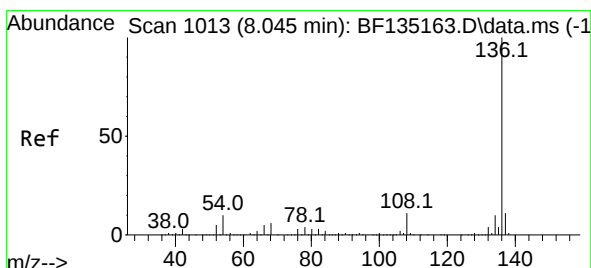
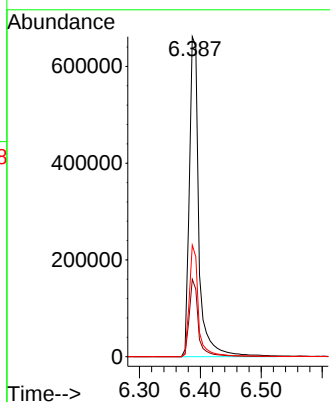
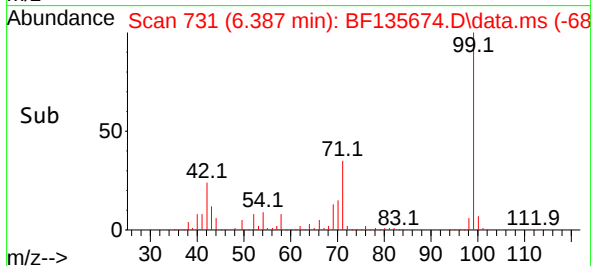
Instrument :
BNA_F
ClientSampleId :
OR-02-10052023



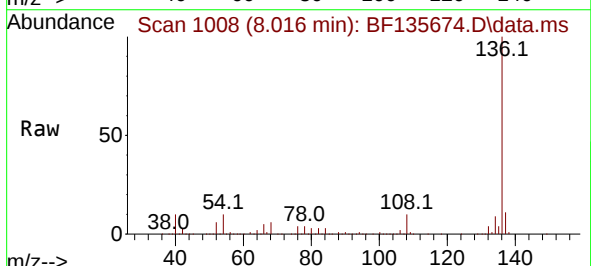
Tgt Ion: 99 Resp: 722908
Ion Ratio Lower Upper
99 100
42 24.2 17.9 26.9
71 34.9 27.0 40.6

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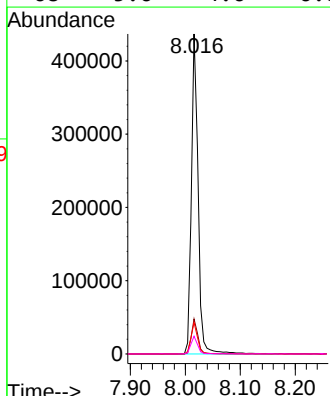
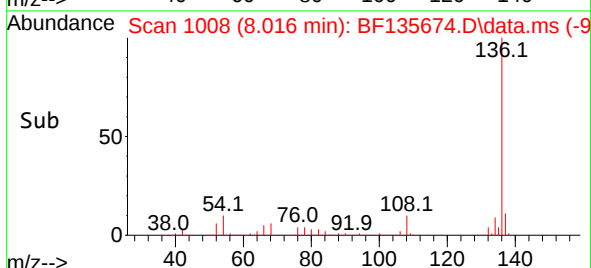
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18



Tgt Ion:136 Resp: 368119
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.8 7.7 11.5
68 5.6 4.6 6.8





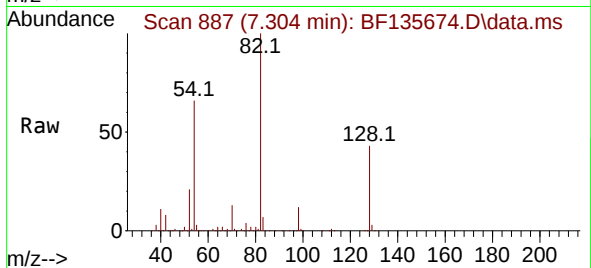
#23
Nitrobenzene-d5
Concen: 65.480 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

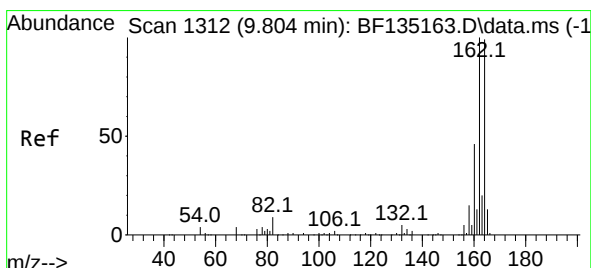
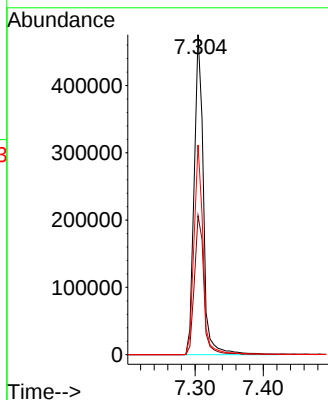
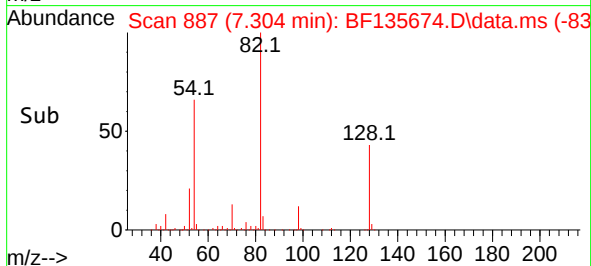
OR-02-10052023



Tgt Ion: 82 Resp: 44367
Ion Ratio Lower Upper
82 100
128 43.5 35.8 53.6
54 65.6 50.6 76.0

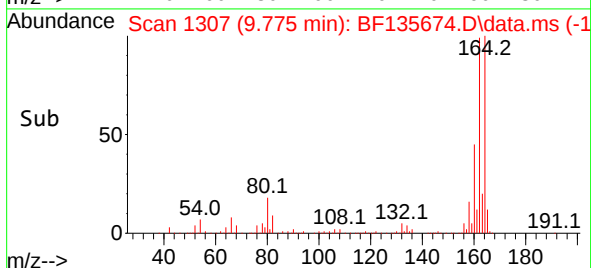
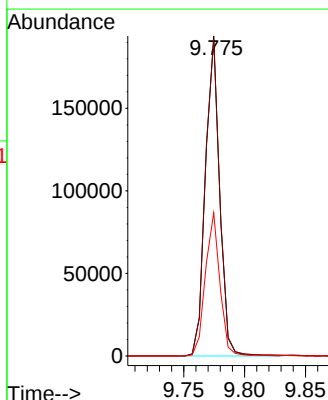
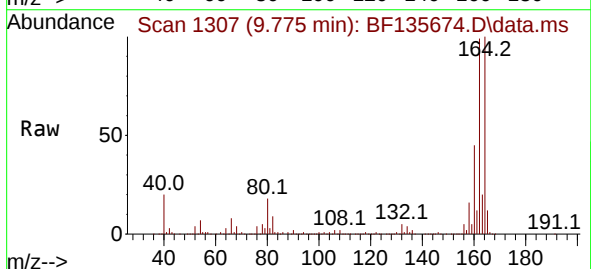
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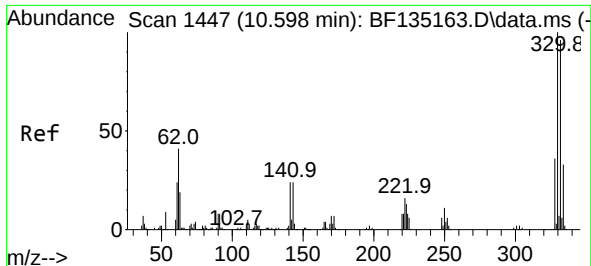
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Tgt Ion:164 Resp: 156269
Ion Ratio Lower Upper
164 100
162 99.0 81.0 121.4
160 44.7 37.0 55.4





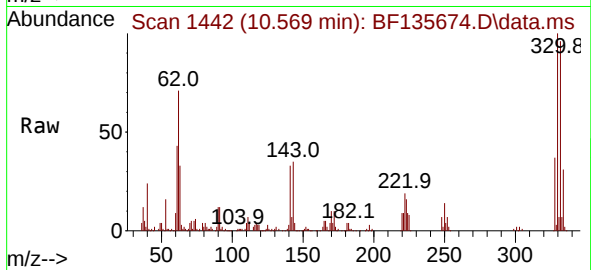
#42
2,4,6-Tribromophenol
Concen: 80.012 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023



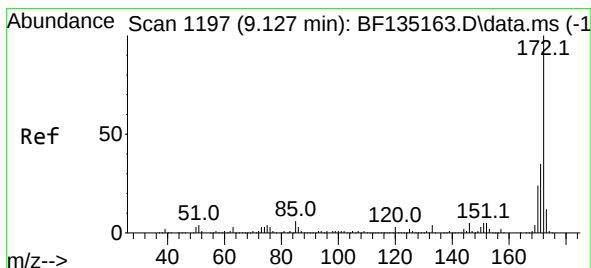
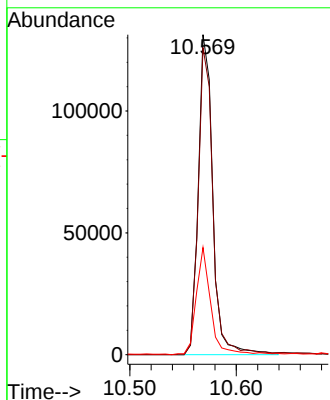
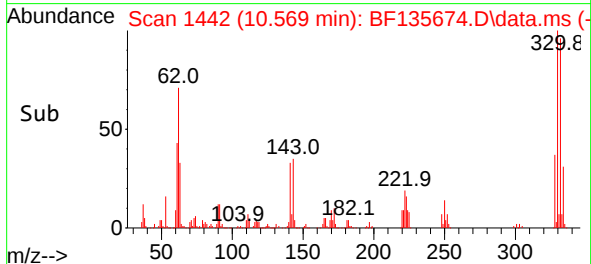
Tgt Ion:330 Resp: 12425
Ion Ratio Lower Upper
330 100
332 98.7 77.3 115.9
141 34.0 25.8 38.8

Manual Integrations

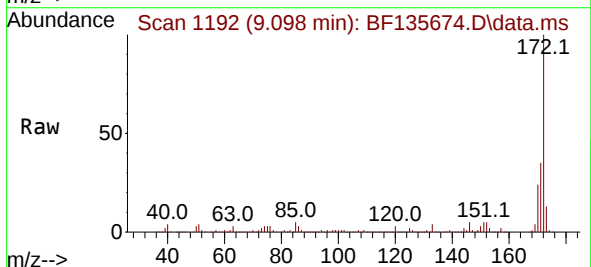
APPROVED

Reviewed By :Yogesh Patel 10/11/2023

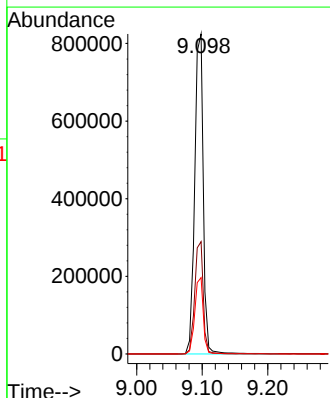
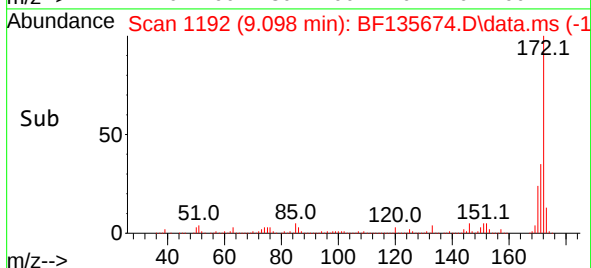
Supervised By :mohammad ahmed 10/11/2023

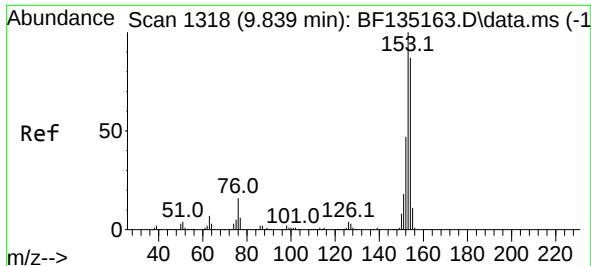


#45
2-Fluorobiphenyl
Concen: 72.524 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18



Tgt Ion:172 Resp: 751184
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.8 19.0 28.4





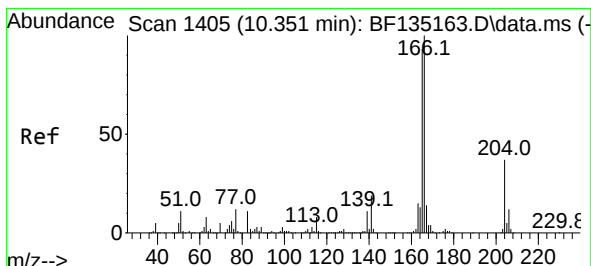
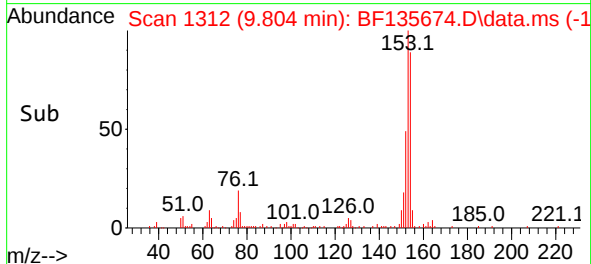
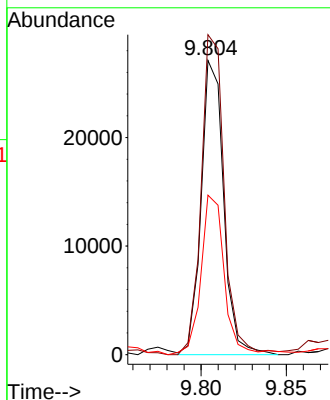
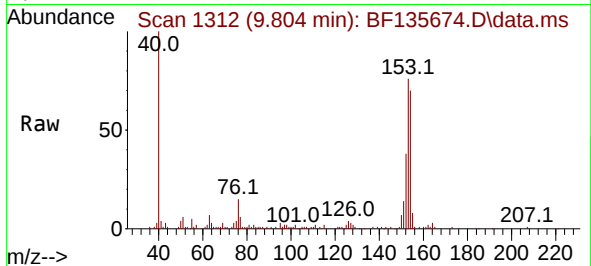
#52
Acenaphthene
Concen: 2.906 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Instrument :
BNA_F
ClientSampleId :
OR-02-10052023

Tgt Ion:154 Resp: 2486
Ion Ratio Lower Upper
154 100
153 108.7 92.1 138.1
152 54.2 43.1 64.7

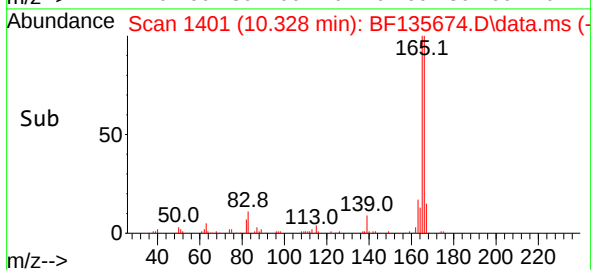
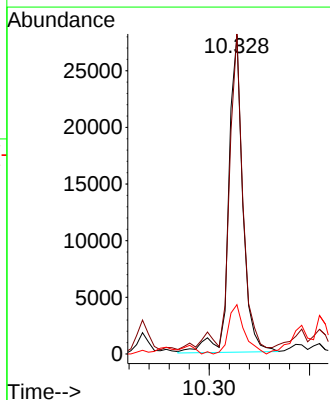
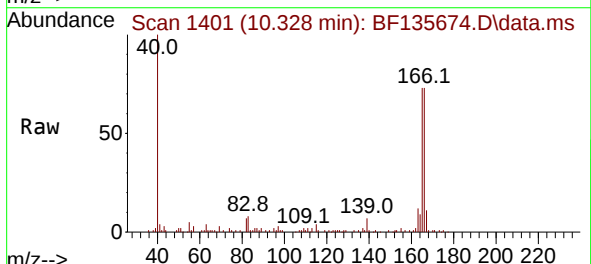
Manual Integrations
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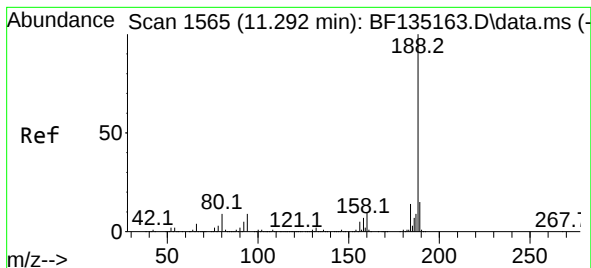
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#58
Fluorene
Concen: 2.724 ng
RT: 10.328 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

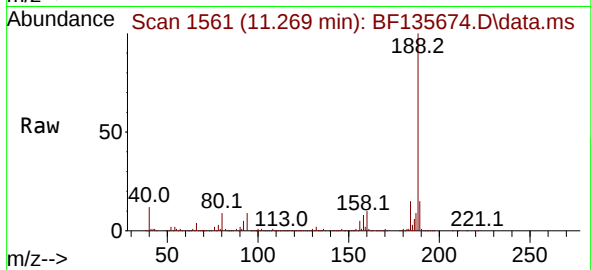
Tgt Ion:166 Resp: 27334
Ion Ratio Lower Upper
166 100
165 100.5 74.3 111.5
167 15.5 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

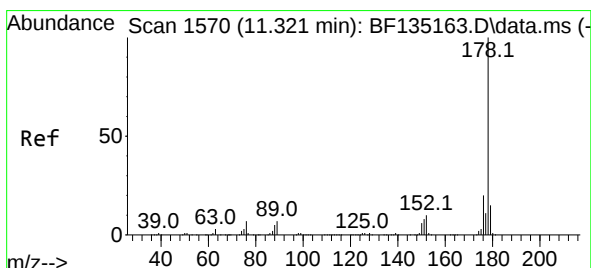
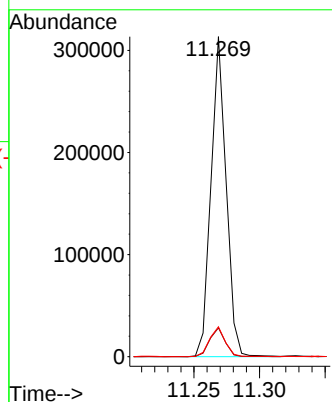
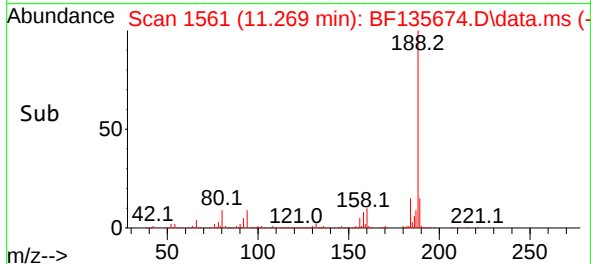
Instrument :
BNA_F
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OR-02-10052023



Tgt Ion:188 Resp: 25258
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 9.4 7.5 11.3

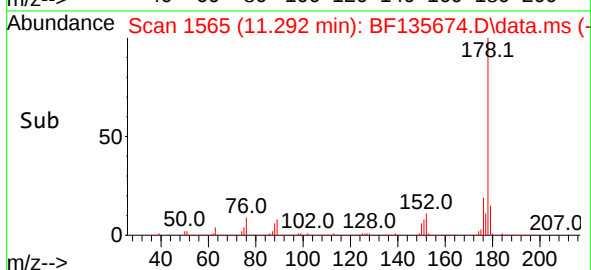
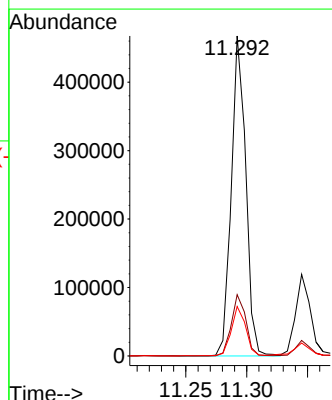
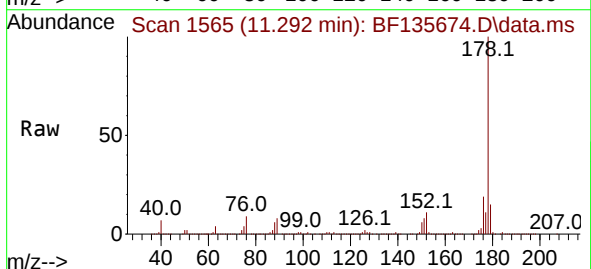
Manual Integrations
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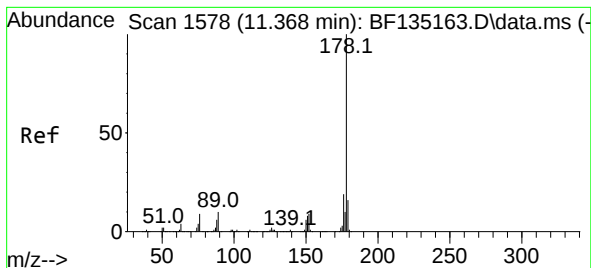
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#71
Phenanthrene
Concen: 32.436 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Tgt Ion:178 Resp: 387476
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.4 12.0 18.0





#72

Anthracene

Concen: 8.425 ng

RT: 11.345 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

Tgt Ion:178 Resp: 10344

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

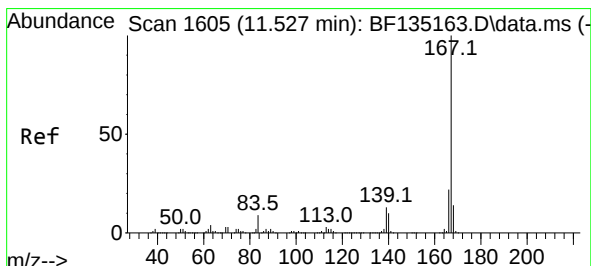
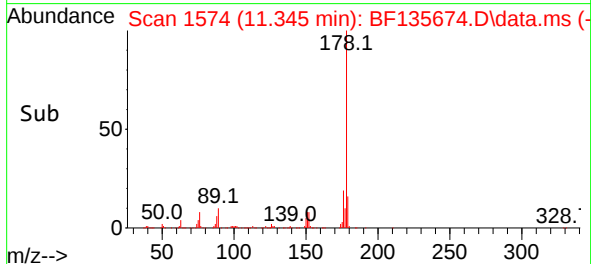
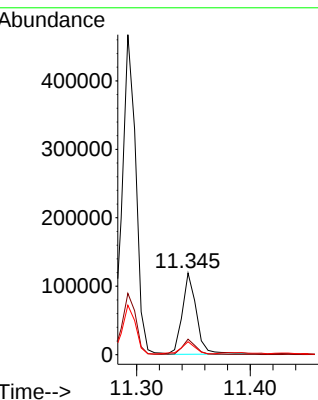
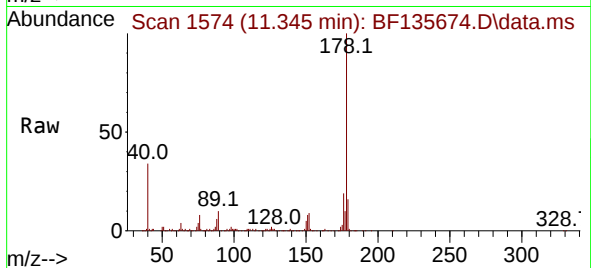
179 15.8 12.6 19.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/11/2023



#73

Carbazole

Concen: 2.282 ng

RT: 11.510 min Scan# 1602

Delta R.T. 0.000 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

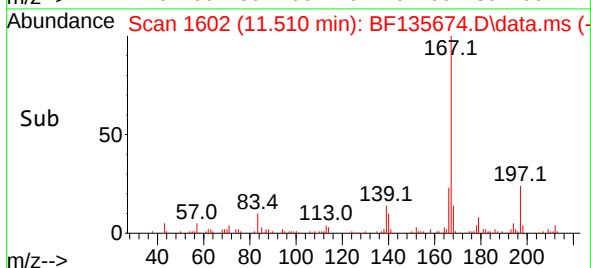
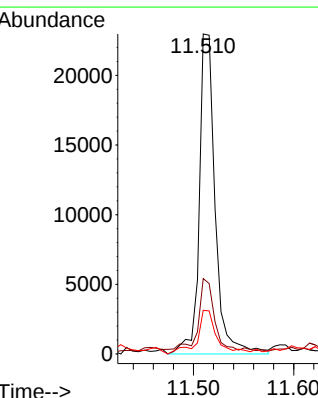
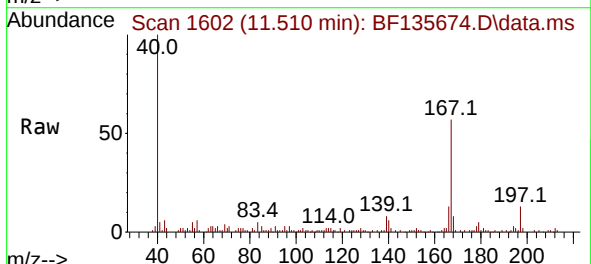
Tgt Ion:167 Resp: 25504

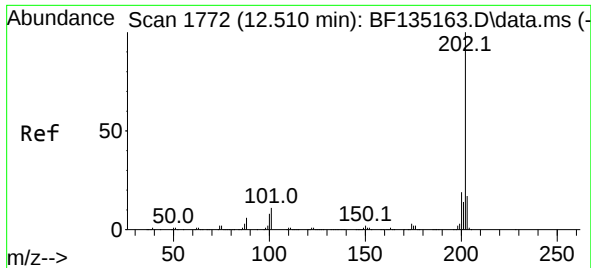
Ion Ratio Lower Upper

167 100

166 23.6 17.4 26.0

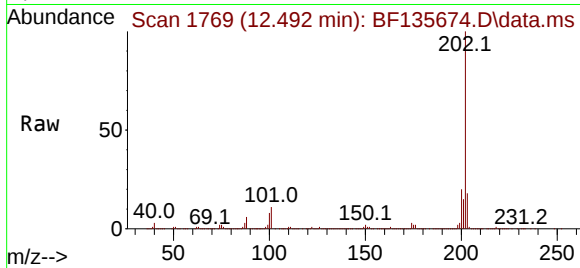
139 13.7 10.6 15.8





#75
Fluoranthene
Concen: 71.725 ng
RT: 12.492 min Scan# 1772
Delta R.T. 0.006 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

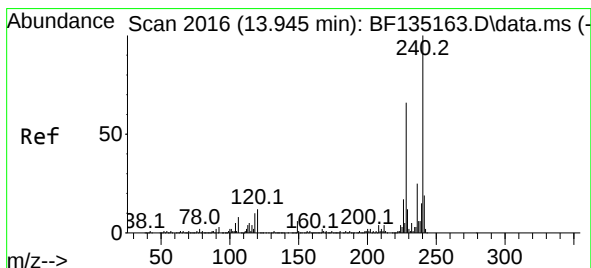
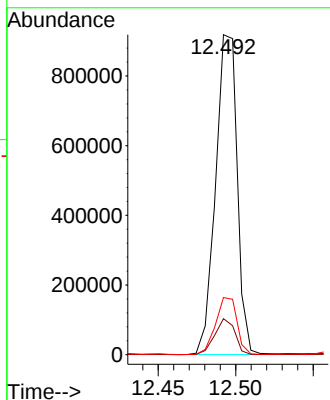
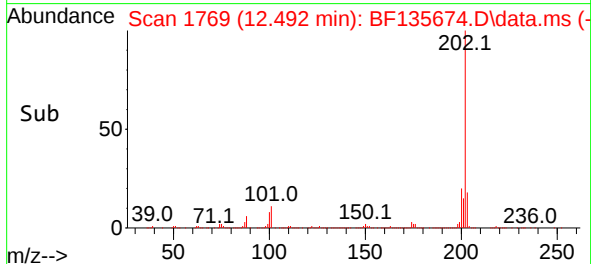
Instrument :
BNA_F
ClientSampleId :
OR-02-10052023



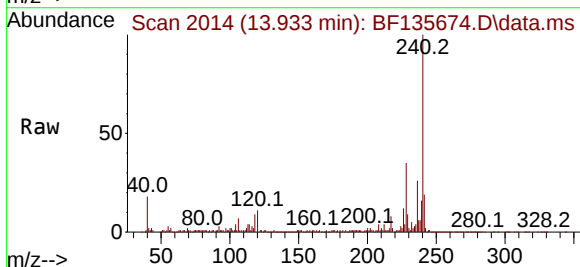
Tgt Ion:202 Resp: 892814
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.3
203 17.8 0.0 37.4

Manual Integrations
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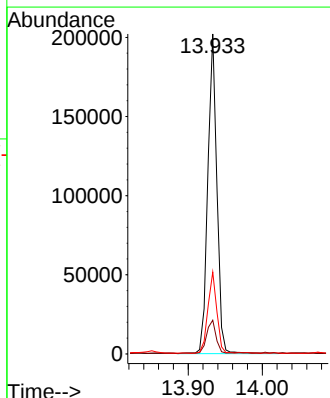
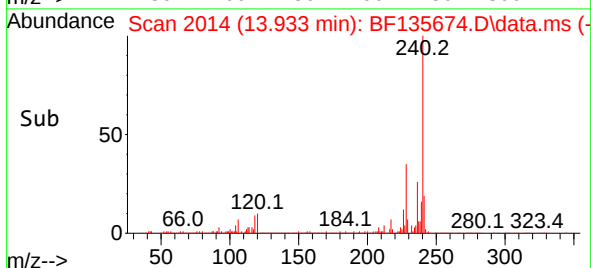
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023

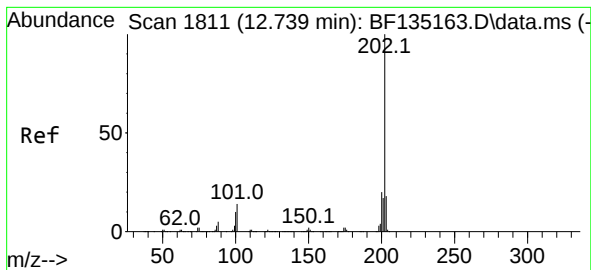


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18



Tgt Ion:240 Resp: 172272
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 25.6 19.8 29.8





#78

Pyrene

Concen: 48.520 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.012 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

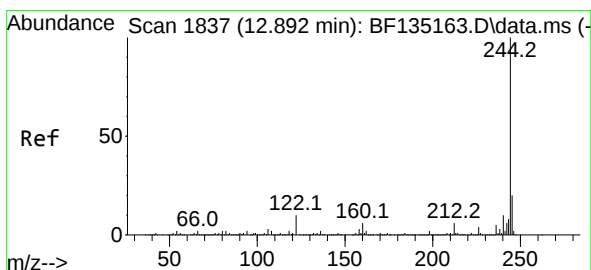
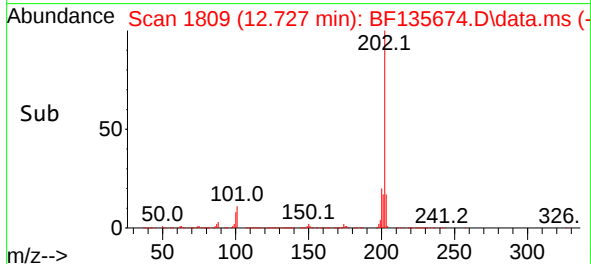
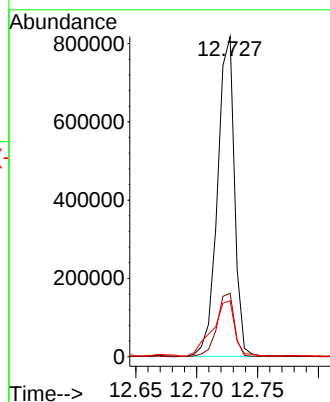
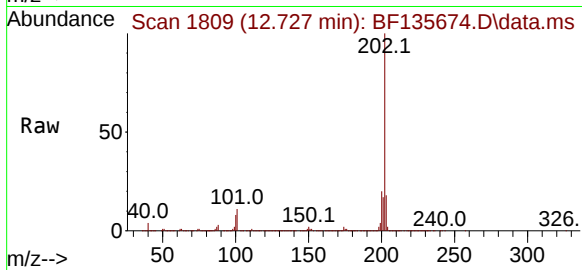
Tgt Ion:202 Resp: 795800
 Ion Ratio Lower Upper
 202 100
 200 19.8 16.2 24.2
 203 17.5 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/11/2023



#79

Terphenyl-d14

Concen: 56.372 ng

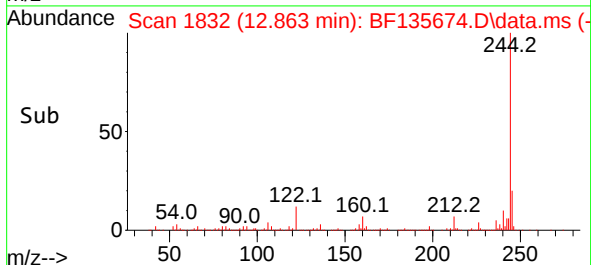
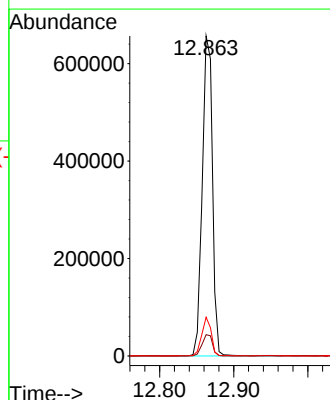
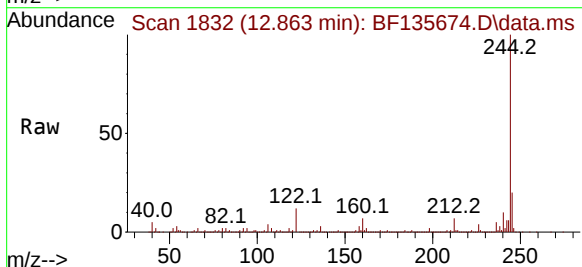
RT: 12.863 min Scan# 1832

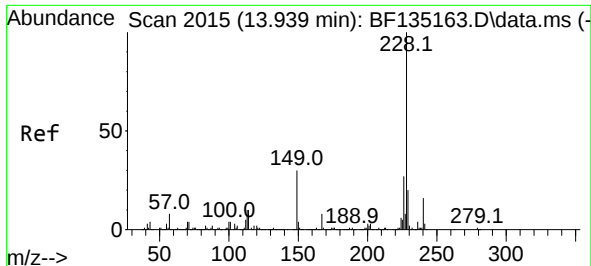
Delta R.T. 0.000 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Tgt Ion:244 Resp: 626458
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 12.1 7.9 11.9





#81
Benzo(a)anthracene
Concen: 32.452 ng
RT: 13.921 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

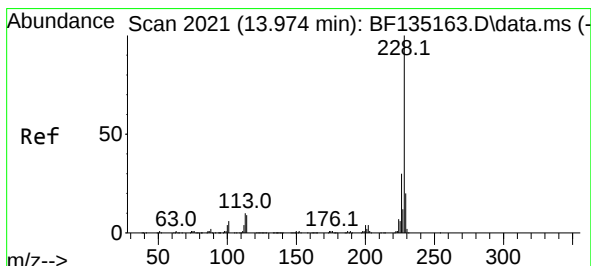
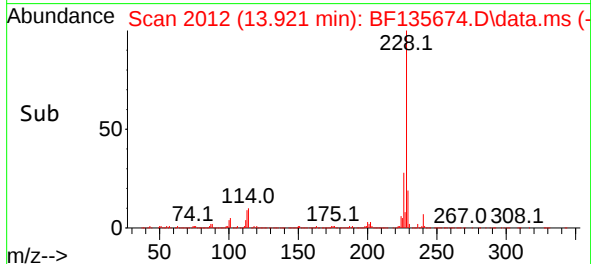
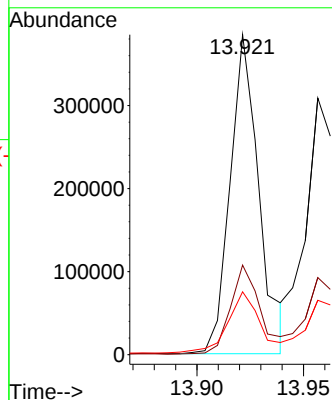
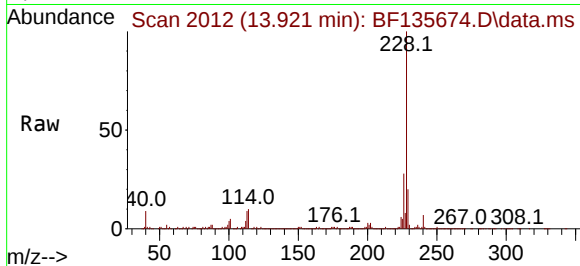
OR-02-10052023

Tgt Ion:228 Resp: 361000
Ion Ratio Lower Upper
228 100
226 28.0 21.7 32.5
229 19.7 15.8 23.8

Manual Integrations

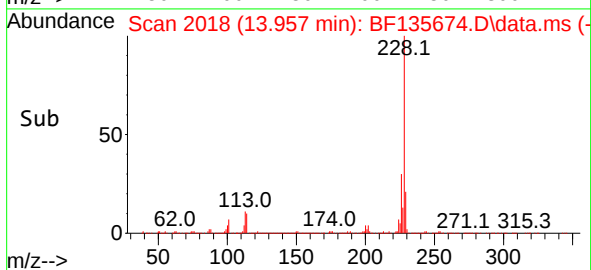
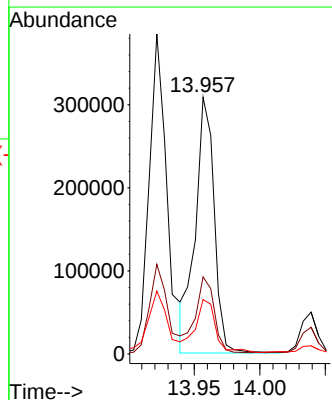
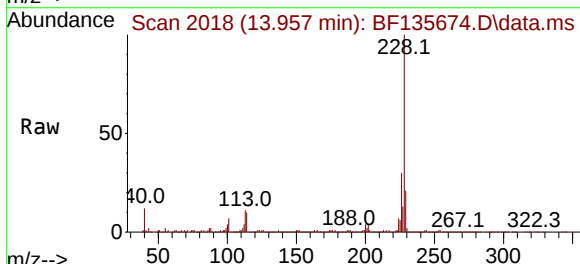
APPROVED

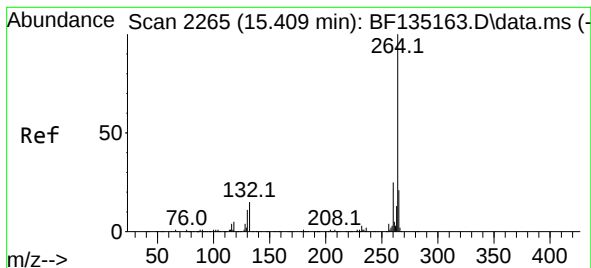
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#83
Chrysene
Concen: 28.035 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Tgt Ion:228 Resp: 310063
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.2 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

Tgt Ion:264 Resp: 148639

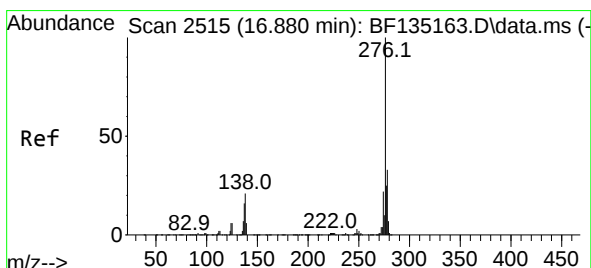
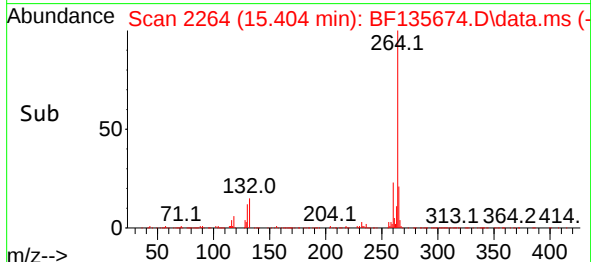
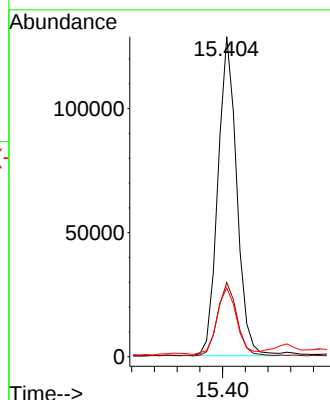
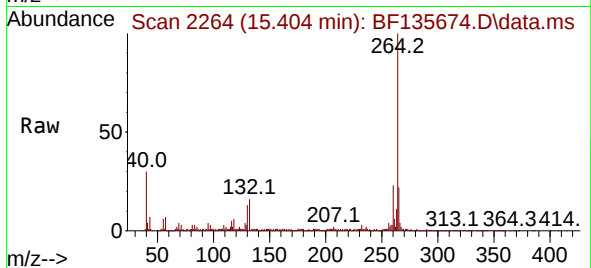
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.8	29.6
265	21.5	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/11/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.664 ng

RT: 16.898 min Scan# 2518

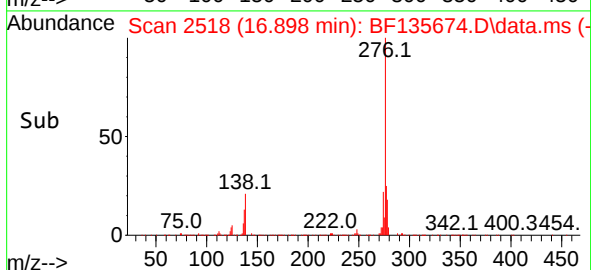
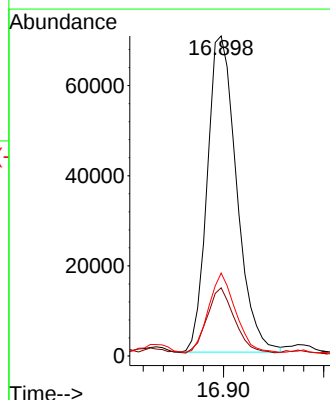
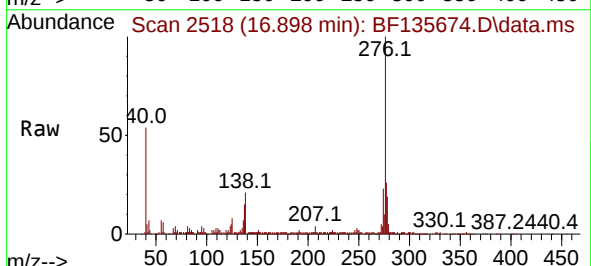
Delta R.T. 0.030 min

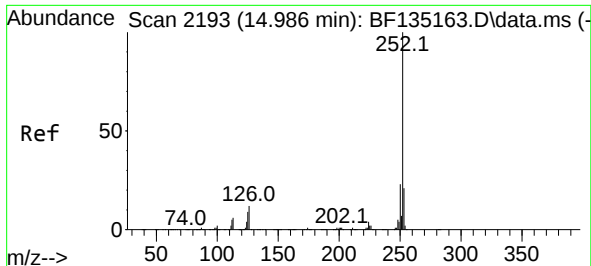
Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Tgt Ion:276 Resp: 142912

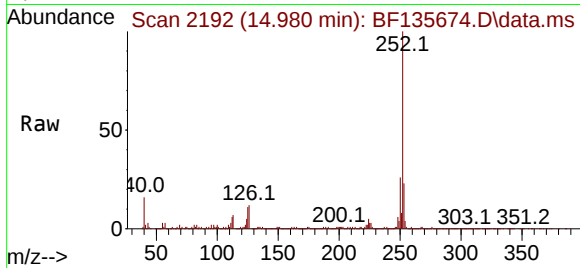
Ion	Ratio	Lower	Upper
276	100		
138	19.9	19.2	28.8
277	22.8	19.7	29.5





#88
Benzo(b)fluoranthene
Concen: 42.573 ng m
RT: 14.980 min Scan# 2193
Delta R.T. 0.018 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

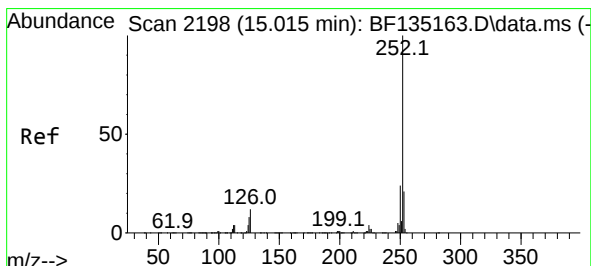
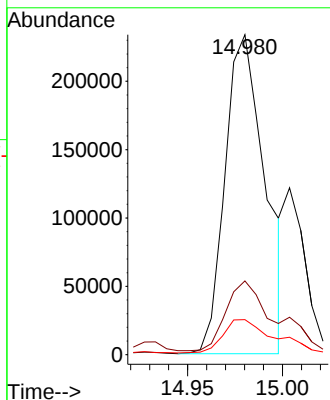
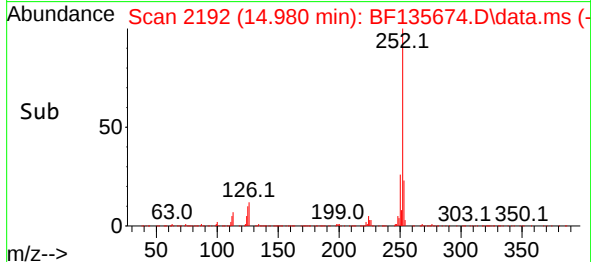
Instrument :
BNA_F
ClientSampleId :
OR-02-10052023



Tgt Ion:252 Resp: 34255
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 11.0 7.1 10.7

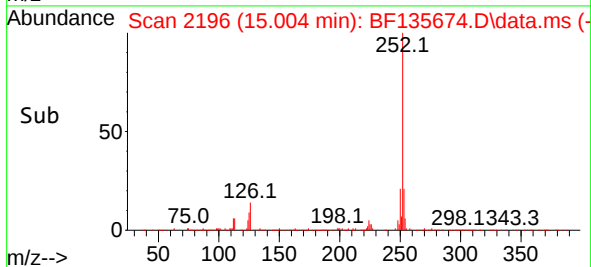
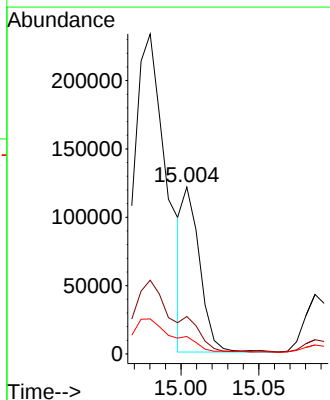
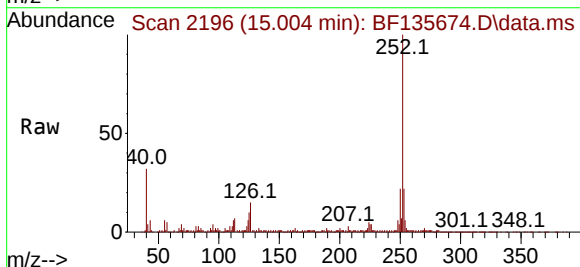
Manual Integrations
APPROVED

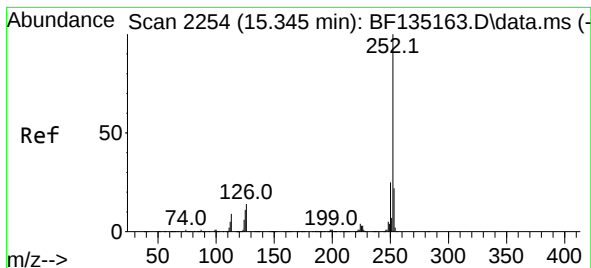
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#89
Benzo(k)fluoranthene
Concen: 11.512 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Tgt Ion:252 Resp: 91500
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.4 7.2 10.8





#90

Benzo(a)pyrene

Concen: 29.973 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

Tgt Ion:252 Resp: 22998

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

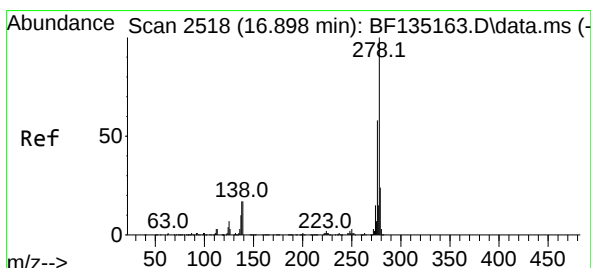
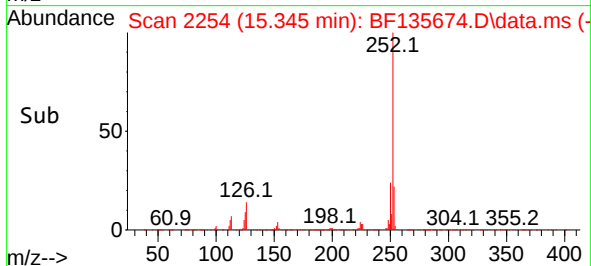
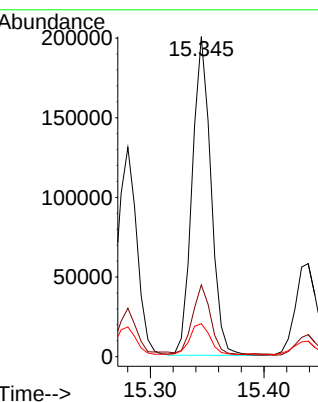
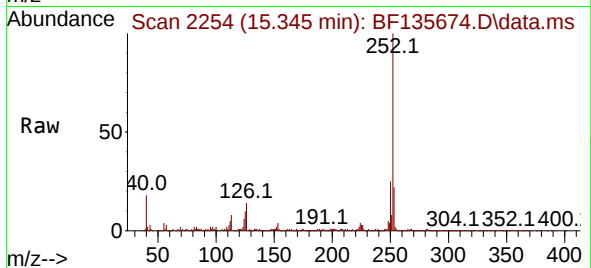
125 10.3 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/11/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.818 ng

RT: 16.904 min Scan# 2519

Delta R.T. 0.024 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

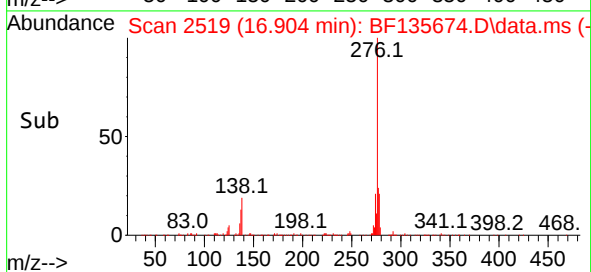
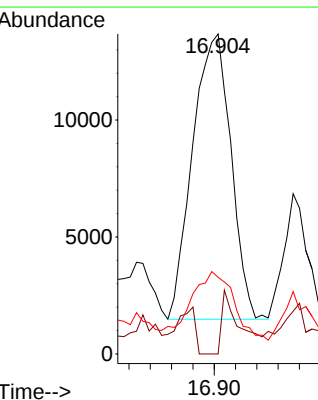
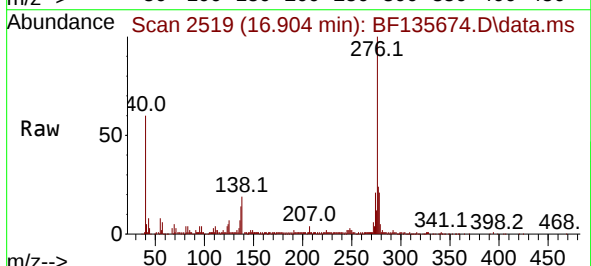
Tgt Ion:278 Resp: 30445

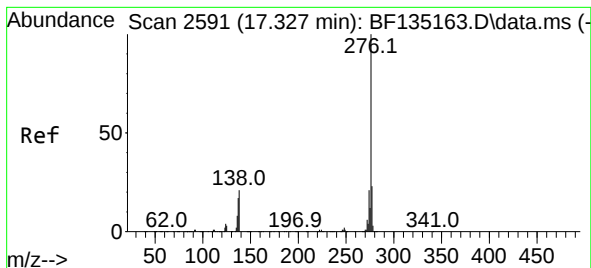
Ion Ratio Lower Upper

278 100

139 0.0 13.4 20.0#

279 24.0 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 16.201 ng

RT: 17.351 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF135674.D

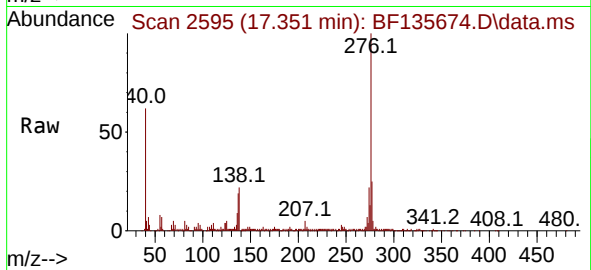
Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023



Tgt Ion:	276	Resp:	13492
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.8	28.2
138	22.1	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/11/2023

