

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091924\
 Data File : BF139490.D
 Acq On : 20 Sep 2024 03:57
 Operator : RC/JU
 Sample : P3984-04DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-B-COMPDL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/21/2024
 Supervised By :mohammad ahmed 09/22/2024

Quant Time: Sep 20 05:10:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85072	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	308185	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	154856	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	223216	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	133455	20.000	ng	0.00
86) Perylene-d12	15.498	264	127899	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	94092	18.043	ng	0.00
7) Phenol-d6	6.498	99	123495	18.042	ng	0.00
23) Nitrobenzene-d5	7.434	82	80113	12.221	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	22655	13.742	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	159609	14.456	ng	0.00
79) Terphenyl-d14	12.975	244	102373	12.591	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.939	154	22910	2.448	ng	99
58) Fluorene	10.457	166	21844	2.053	ng	97
71) Phenanthrene	11.422	178	259312	24.079	ng	99
72) Anthracene	11.469	178	65828	6.252	ng	99
73) Carbazole	11.628	167	29332	2.911	ng	99
75) Fluoranthene	12.610	202	328953	28.603	ng	99
78) Pyrene	12.833	202	277534	24.220	ng	98
81) Benzo(a)anthracene	14.021	228	154346	17.460	ng	97
83) Chrysene	14.057	228	118772	14.604	ng	96
87) Indeno(1,2,3-cd)pyrene	16.962	276	54598	7.179	ng	96
88) Benzo(b)fluoranthene	15.074	252	166275m	21.080	ng	
89) Benzo(k)fluoranthene	15.086	252	69907m	9.612	ng	
90) Benzo(a)pyrene	15.439	252	116856	17.863	ng	98
91) Dibenzo(a,h)anthracene	16.974	278	12593m	2.004	ng	
92) Benzo(g,h,i)perylene	17.410	276	52839	8.492	ng	# 95

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

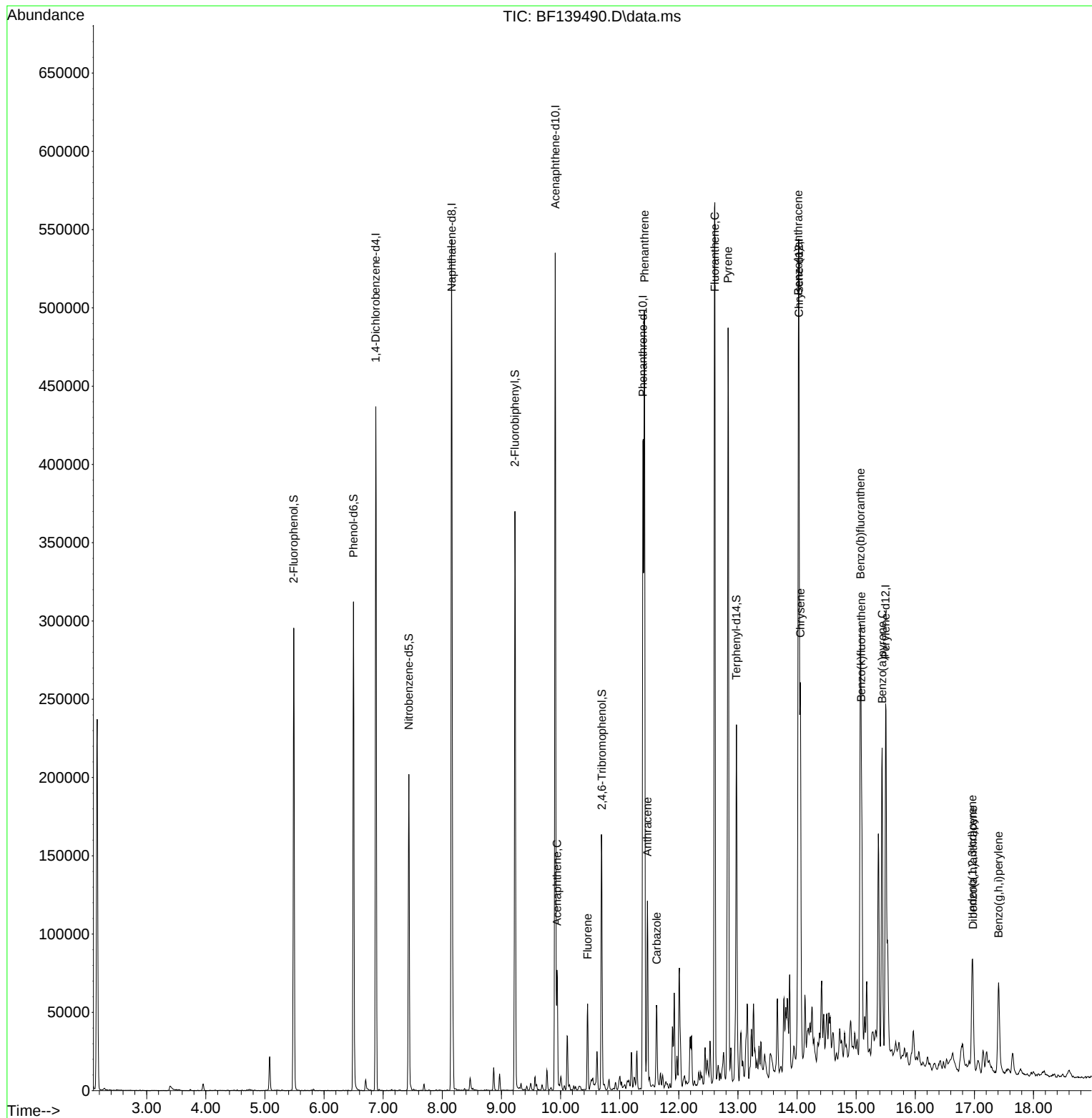
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091924\
Data File : BF139490.D
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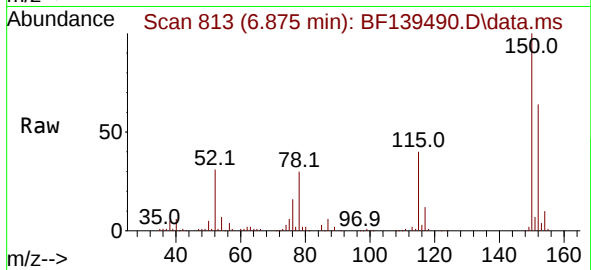
Quant Time: Sep 20 05:10:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

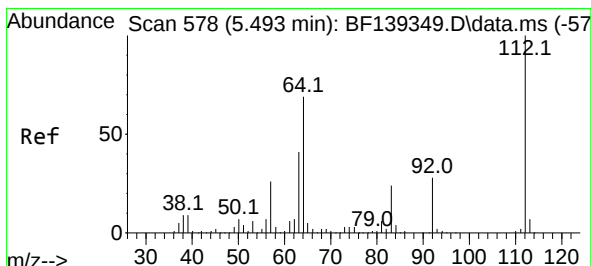
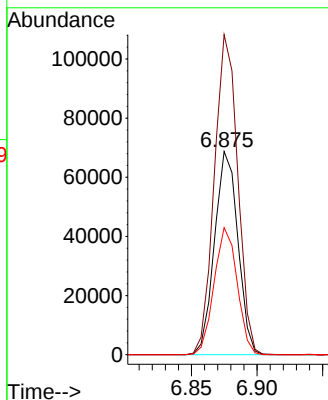
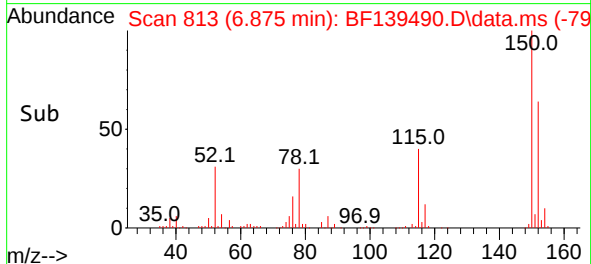
Instrument :
BNA_F
ClientSampleId :
WC-B-COMPDL



Tgt Ion:152 Resp: 85072
Ion Ratio Lower Upper
152 100
150 157.4 124.1 186.1
115 62.5 48.1 72.1

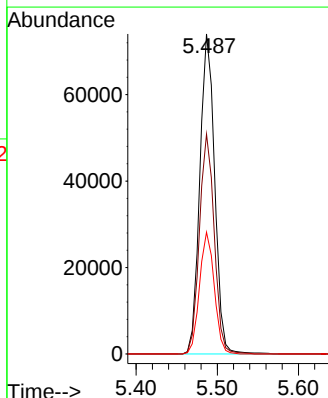
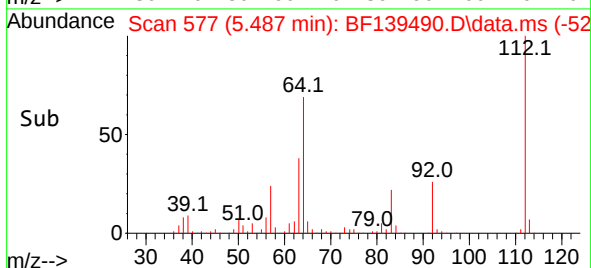
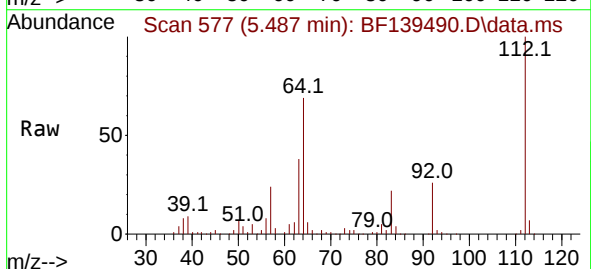
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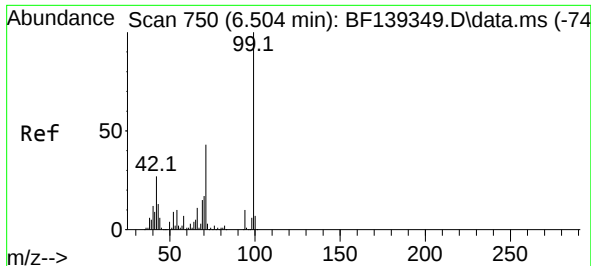
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#5
2-Fluorophenol
Concen: 18.043 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

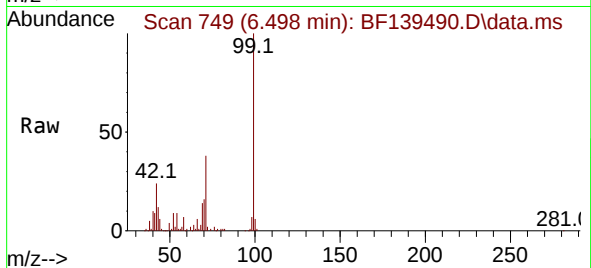
Tgt Ion:112 Resp: 94092
Ion Ratio Lower Upper
112 100
64 68.7 54.8 82.2
63 38.1 33.0 49.4





#7
Phenol-d6
Concen: 18.042 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

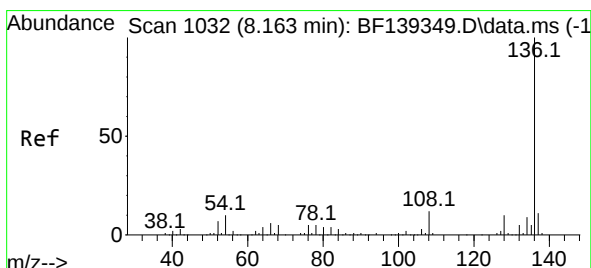
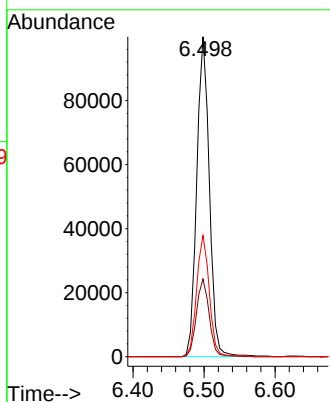
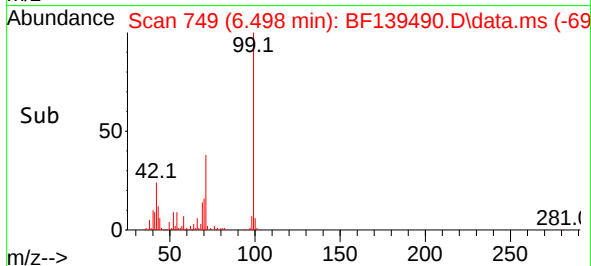
Instrument :
BNA_F
ClientSampleId :
WC-B-COMPDL



Tgt Ion: 99 Resp: 12349
Ion Ratio Lower Upper
99 100
42 24.3 21.9 32.9
71 37.8 34.6 52.0

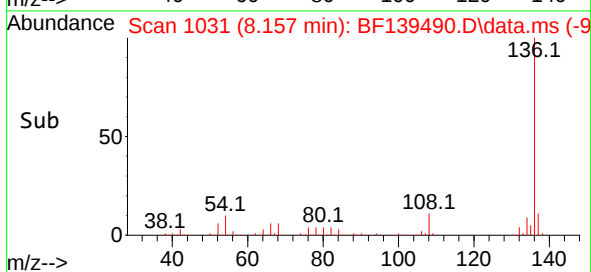
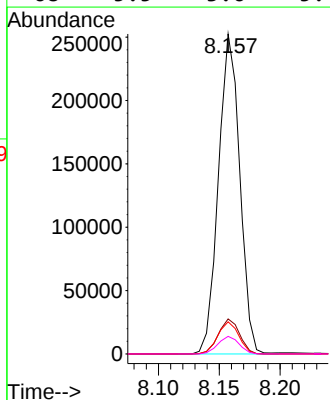
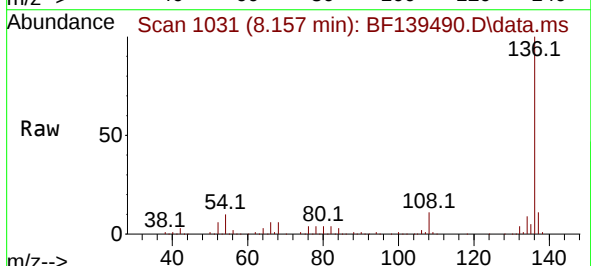
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

Tgt Ion:136 Resp: 308185
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.1 7.8 11.8
68 5.5 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 12.221 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

Instrument :

BNA_F

ClientSampleId :

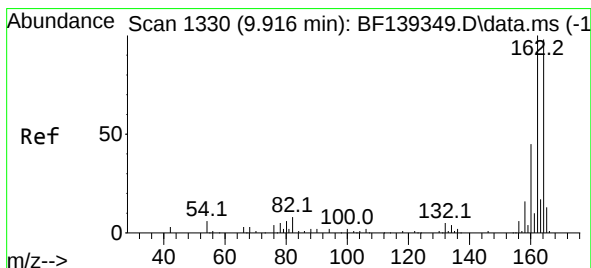
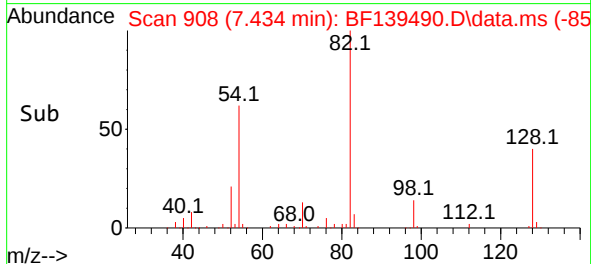
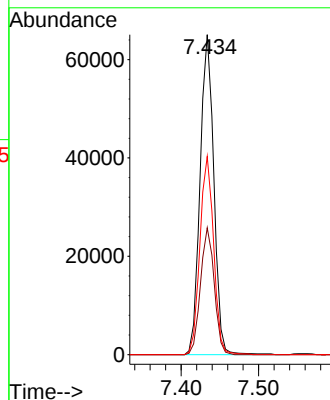
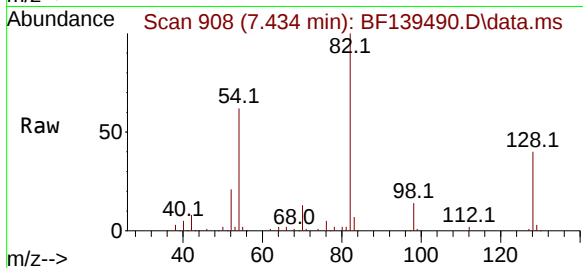
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Tgt Ion: 82 Resp: 80111
 Ion Ratio Lower Upper
 82 100
 128 39.6 31.8 47.6
 54 61.9 50.6 75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

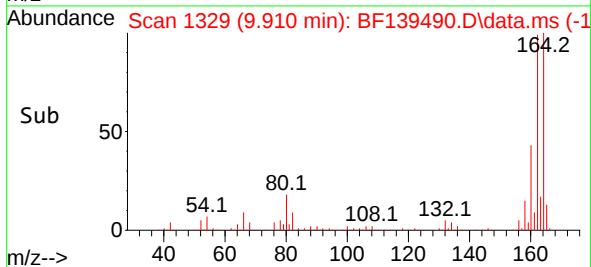
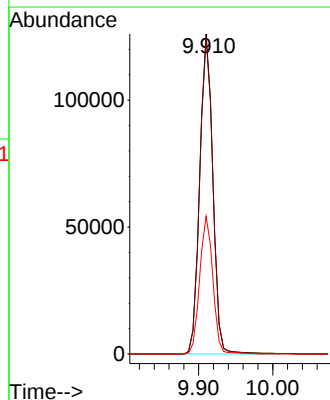
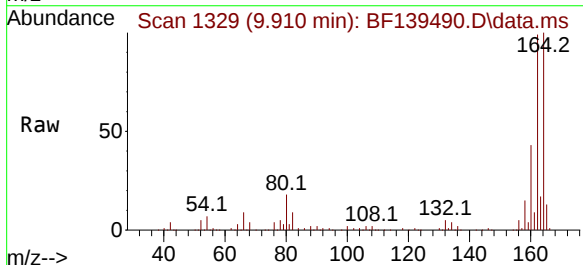
RT: 9.910 min Scan# 1329

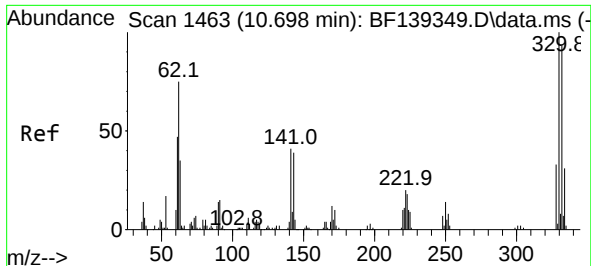
Delta R.T. -0.006 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

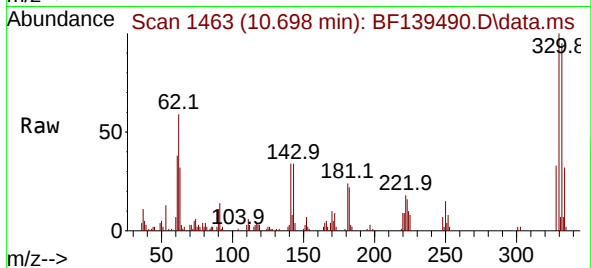
Tgt Ion:164 Resp: 154856
 Ion Ratio Lower Upper
 164 100
 162 98.7 81.3 121.9
 160 43.0 36.4 54.6





#42
2,4,6-Tribromophenol
Concen: 13.742 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

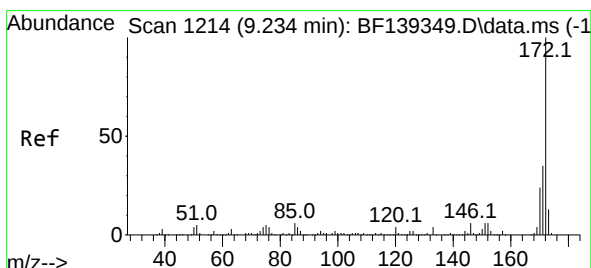
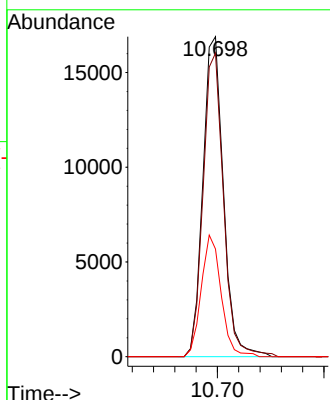
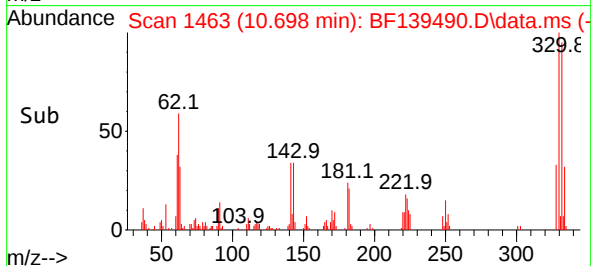
Instrument :
BNA_F
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Tgt Ion: 330 Resp: 2265
Ion Ratio Lower Upper
330 100
332 94.2 75.2 112.8
141 36.9 31.2 46.8

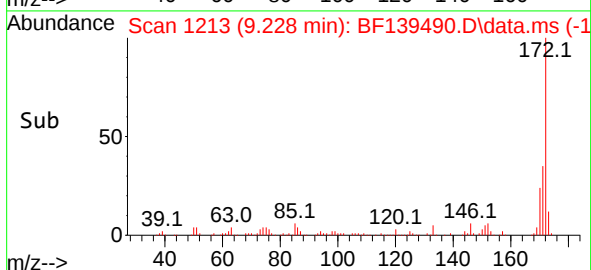
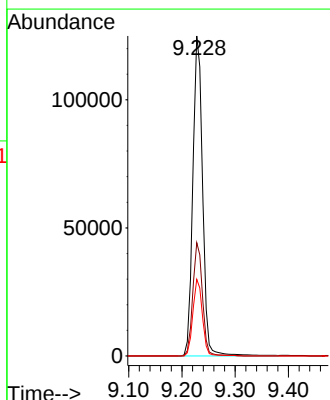
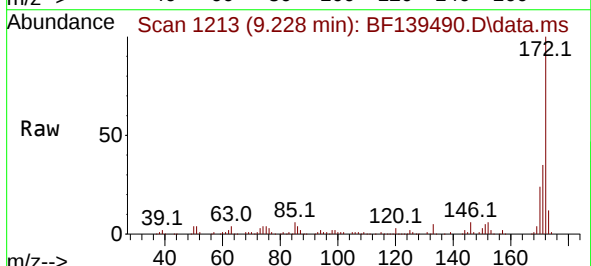
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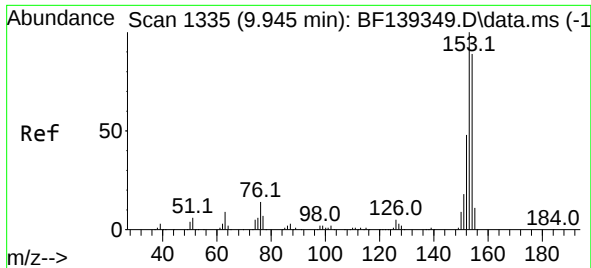
Reviewed By : Yogesh Patel 09/21/2024
Supervised By : mohammad ahmed 09/22/2024



#45
2-Fluorobiphenyl
Concen: 14.456 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

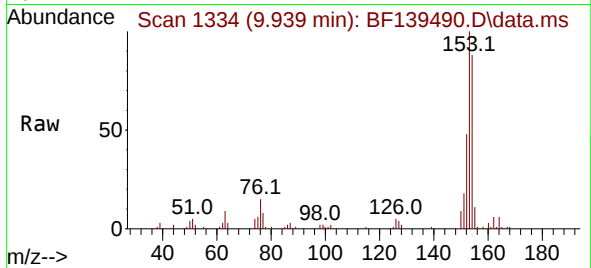
Tgt Ion: 172 Resp: 159609
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 24.0 19.0 28.6





#52
Acenaphthene
Concen: 2.448 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

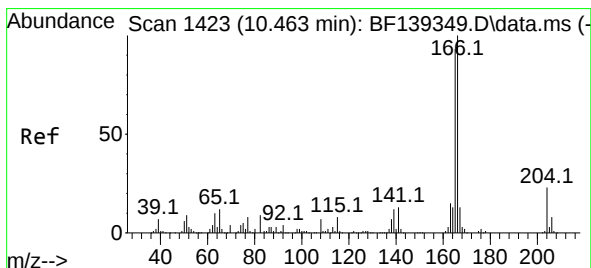
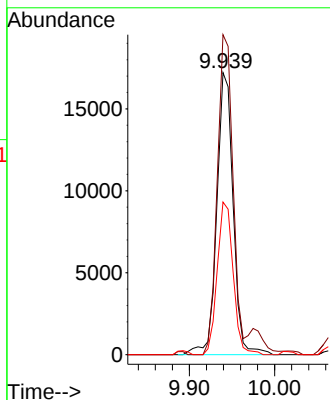
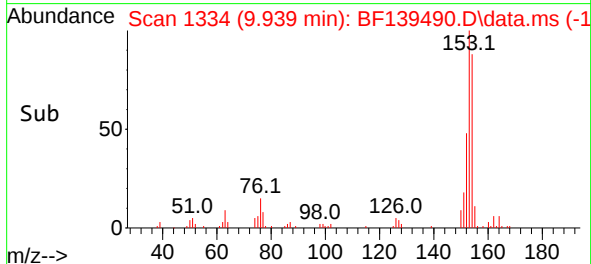
Instrument :
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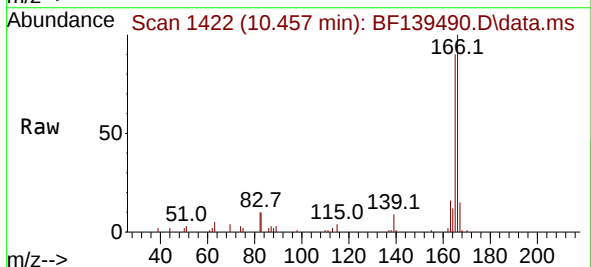
Tgt Ion:154 Resp: 22910
Ion Ratio Lower Upper
154 100
153 113.4 89.5 134.3
152 54.1 42.6 64.0

Manual Integrations
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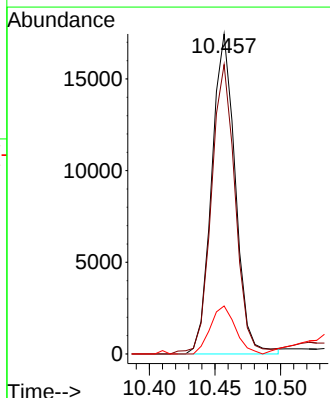
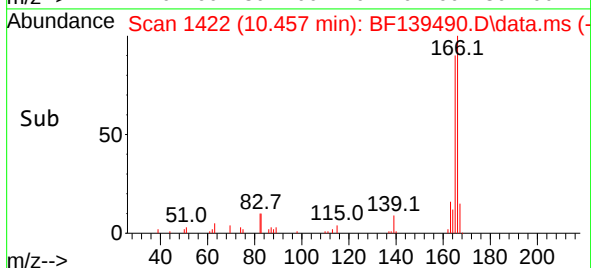
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

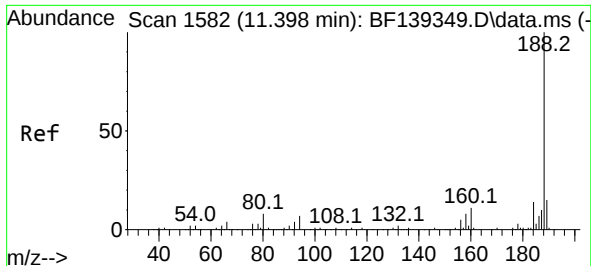


#58
Fluorene
Concen: 2.053 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57



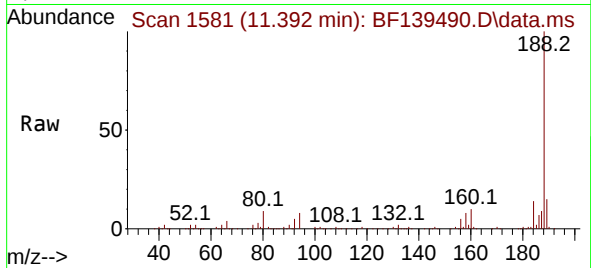
Tgt Ion:166 Resp: 21844
Ion Ratio Lower Upper
166 100
165 90.4 74.5 111.7
167 15.0 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

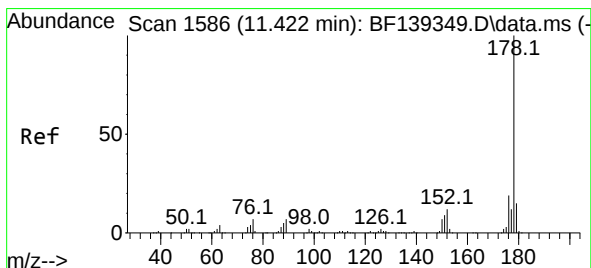
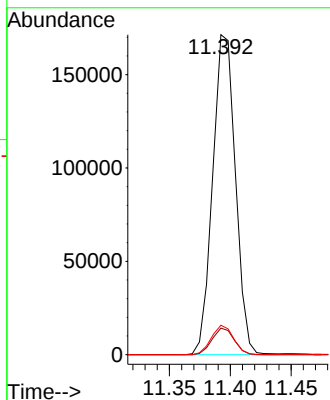
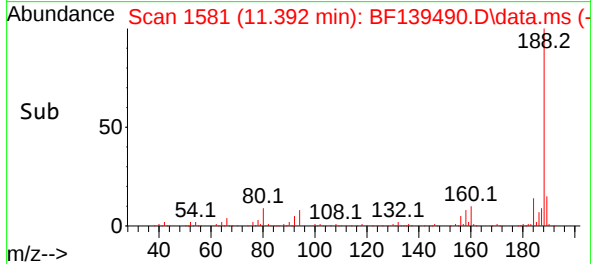
Instrument :
BNA_F
ClientSampleId :
WC-B-COMPDL



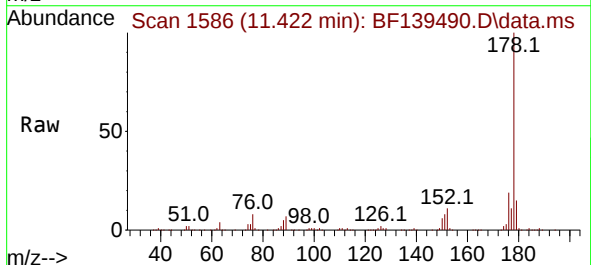
Tgt Ion:188 Resp: 223210
Ion Ratio Lower Upper
188 100
94 8.3 5.5 8.3
80 9.2 6.6 9.8

Manual Integrations
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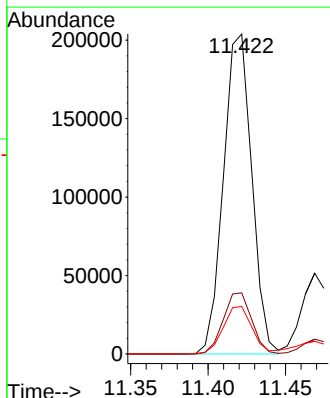
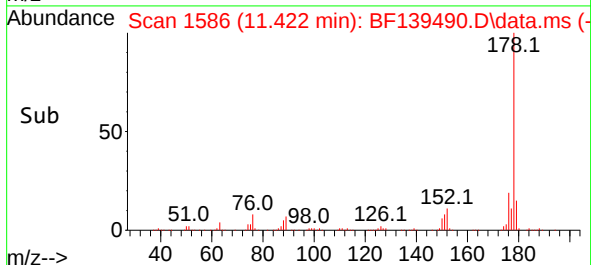
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

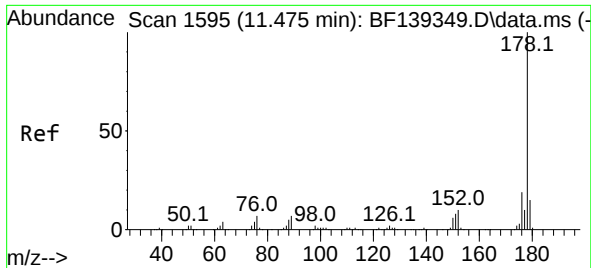


#71
Phenanthrene
Concen: 24.079 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57



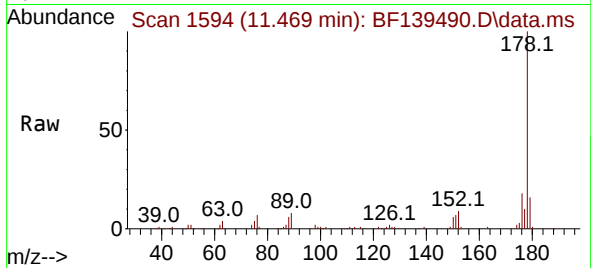
Tgt Ion:178 Resp: 259312
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 14.8 12.2 18.4





#72
 Anthracene
 Concen: 6.252 ng
 RT: 11.469 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF139490.D
 Acq: 20 Sep 2024 03:57

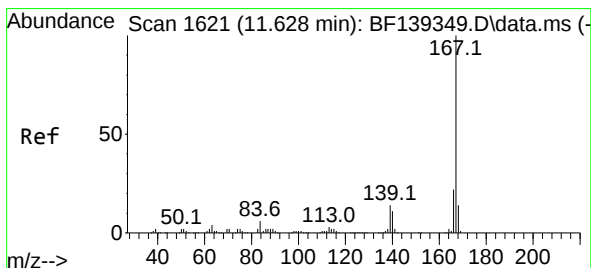
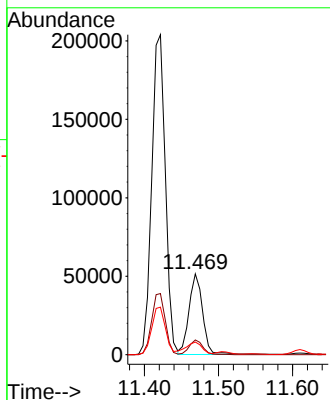
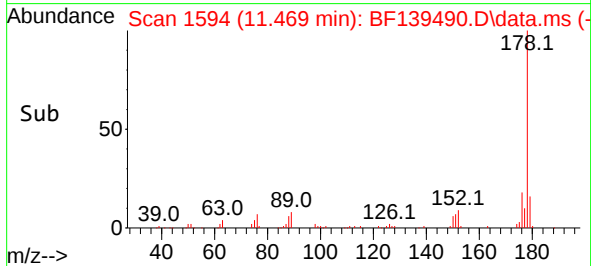
Instrument :
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Tgt Ion:178 Resp: 65828
 Ion Ratio Lower Upper
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 176 18.3 15.0 22.6
 179 15.7 12.0 18.0

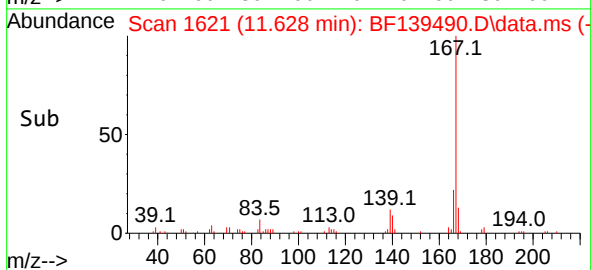
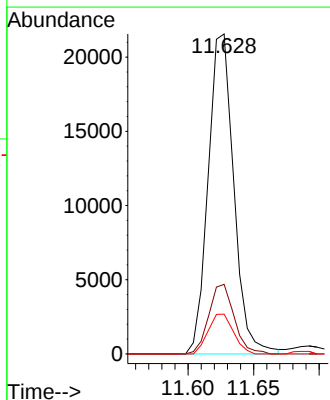
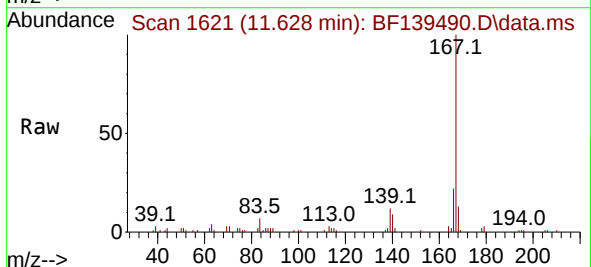
Manual Integrations
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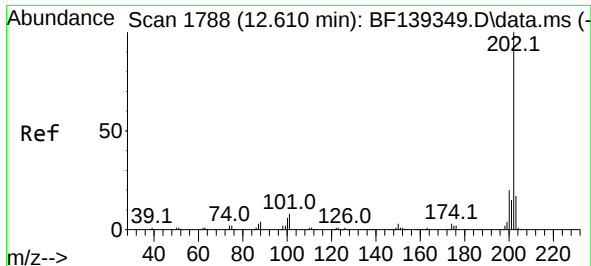
Reviewed By :Yogesh Patel 09/21/2024
 Supervised By :mohammad ahmed 09/22/2024



#73
 Carbazole
 Concen: 2.911 ng
 RT: 11.628 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: BF139490.D
 Acq: 20 Sep 2024 03:57

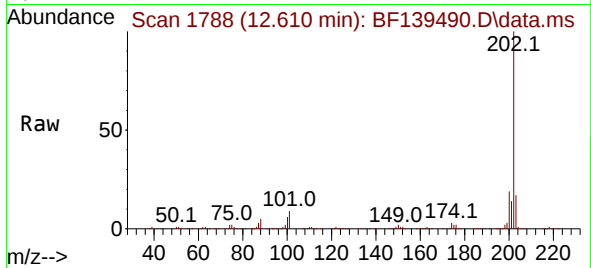
Tgt Ion:167 Resp: 29332
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.5 26.3
 139 12.4 10.9 16.3





#75
Fluoranthene
Concen: 28.603 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

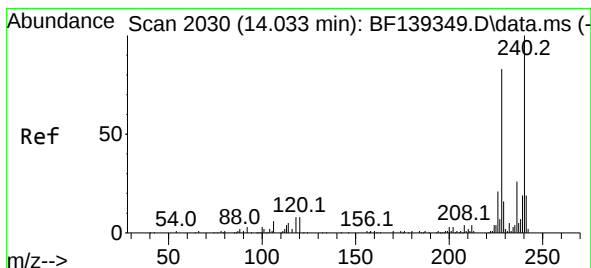
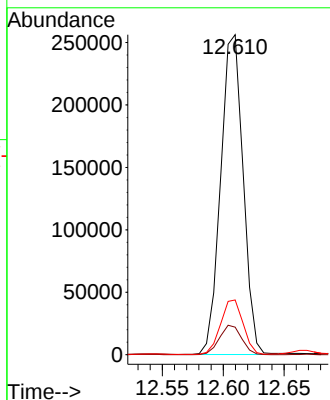
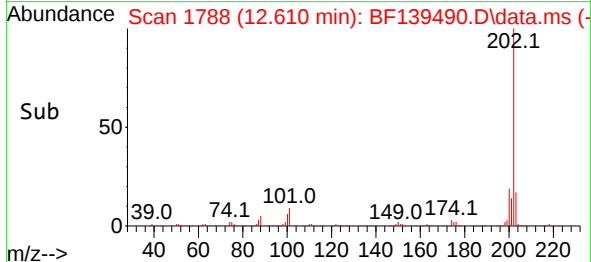
Instrument :
BNA_F
ClientSampleId :
WC-B-COMPDL



Tgt Ion:202 Resp: 32895
Ion Ratio Lower Upper
202 100
101 8.6 0.0 27.7
203 17.1 0.0 37.4

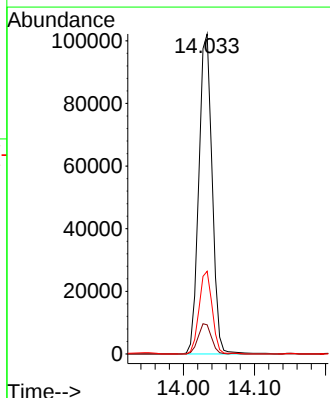
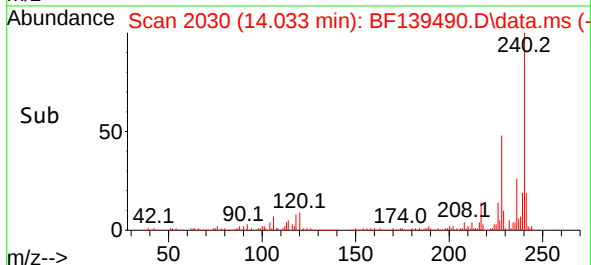
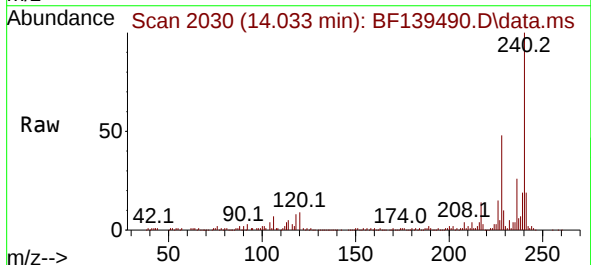
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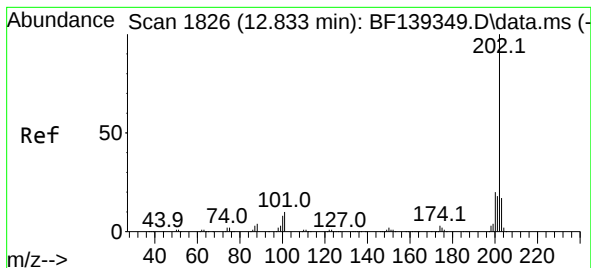
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

Tgt Ion:240 Resp: 133455
Ion Ratio Lower Upper
240 100
120 9.1 6.2 9.2
236 25.9 20.9 31.3





#78

Pyrene

Concen: 24.220 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

Instrument :

BNA_F

ClientSampleId :

WC-B-COMPDL

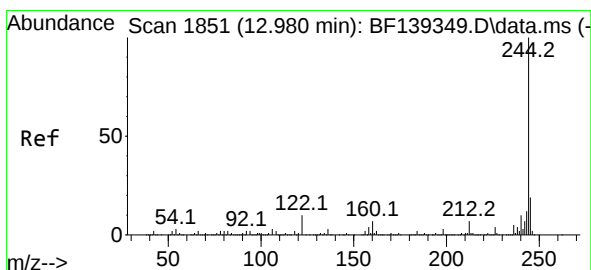
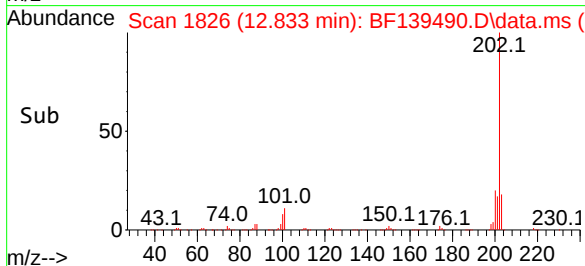
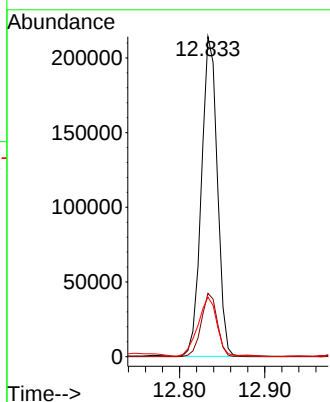
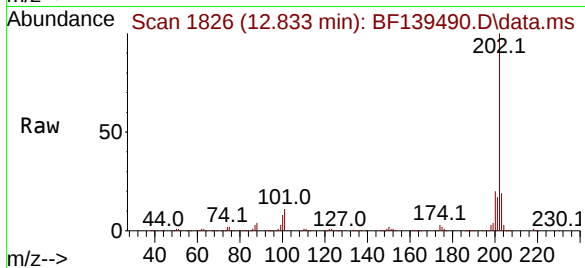
Tgt Ion:202 Resp: 277534
 Ion Ratio Lower Upper
 202 100
 200 19.8 16.2 24.2
 203 18.6 13.9 20.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#79

Terphenyl-d14

Concen: 12.591 ng

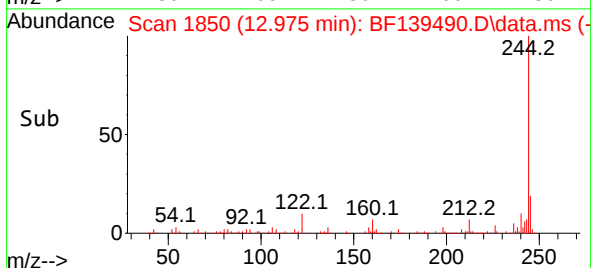
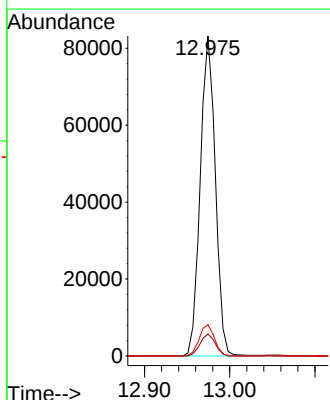
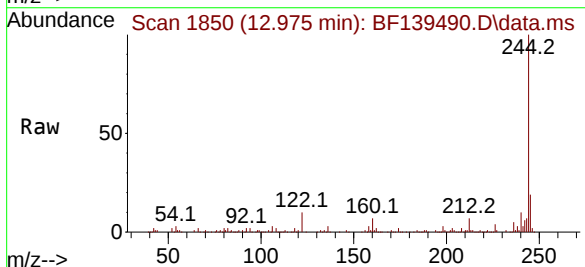
RT: 12.975 min Scan# 1850

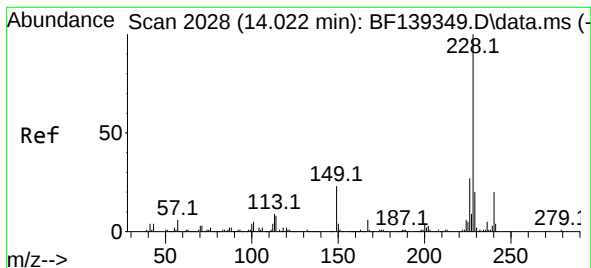
Delta R.T. -0.006 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

Tgt Ion:244 Resp: 102373
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.8 7.6 11.4





#81

Benzo(a)anthracene

Concen: 17.460 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139490.D

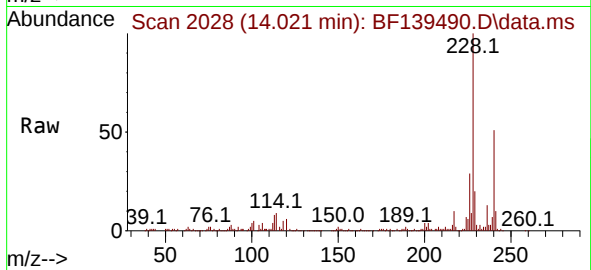
Acq: 20 Sep 2024 03:57

Instrument :

BNA_F

ClientSampleId :

WC-B-COMPDL



Tgt Ion:228 Resp: 154340

Ion Ratio Lower Upper

228 100

226 28.8 21.6 32.4

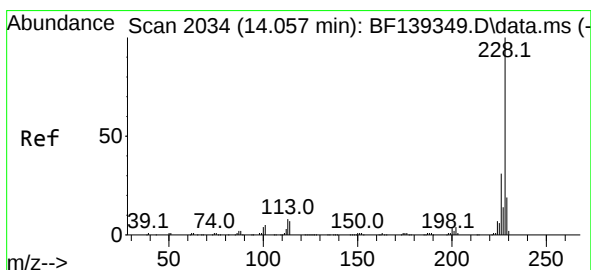
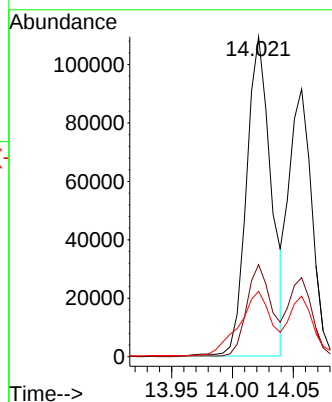
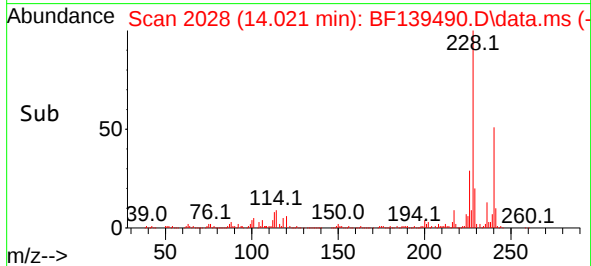
229 20.4 15.7 23.5

Manual Integrations

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Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#83

Chrysene

Concen: 14.604 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

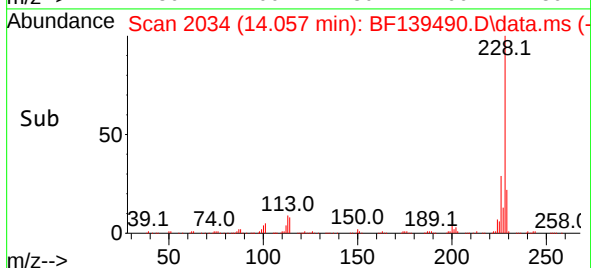
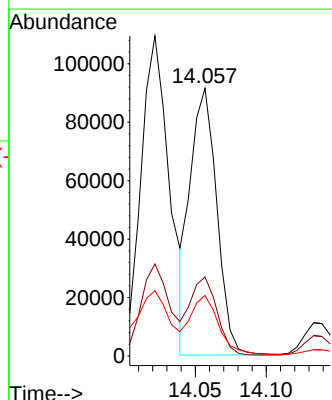
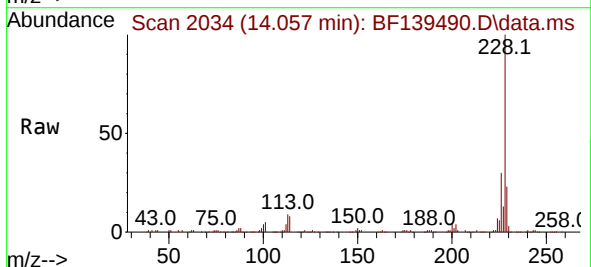
Tgt Ion:228 Resp: 118772

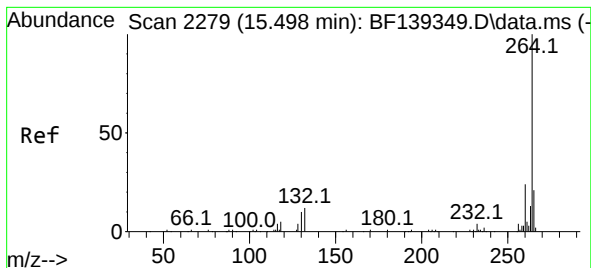
Ion Ratio Lower Upper

228 100

226 29.6 24.1 36.1

229 22.6 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139490.D

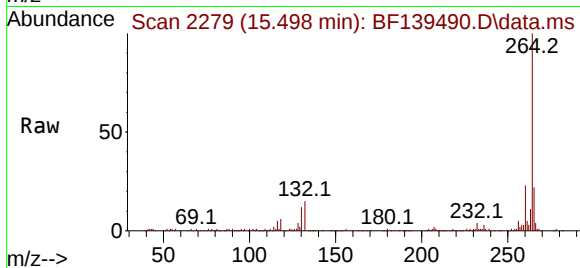
Acq: 20 Sep 2024 03:57

Instrument :

BNA_F

ClientSampleId :

WC-B-COMPDL



Tgt Ion:264 Resp: 127899

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

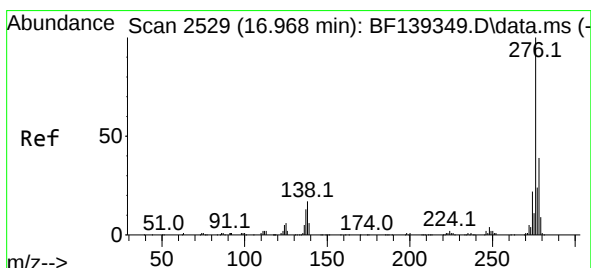
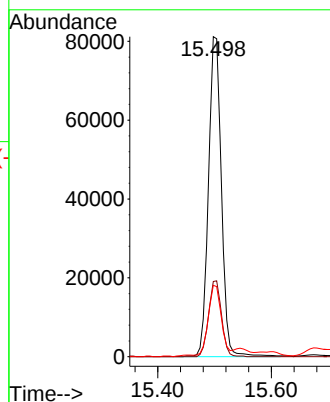
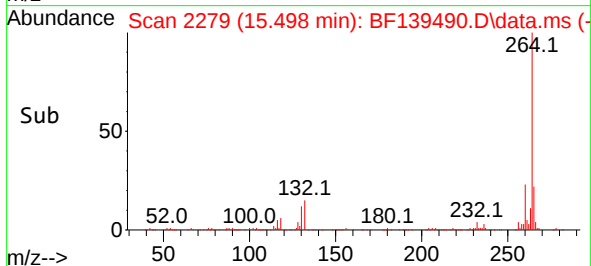
265 22.3 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.179 ng

RT: 16.962 min Scan# 2528

Delta R.T. -0.006 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

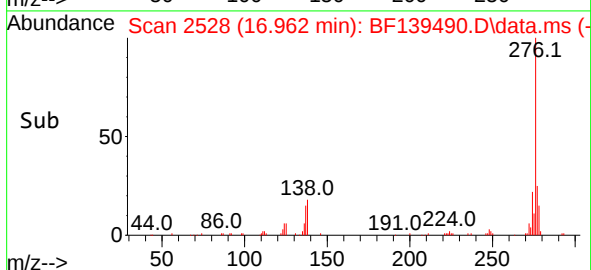
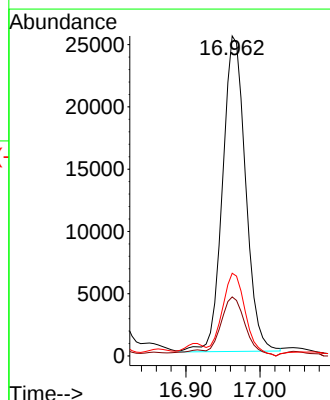
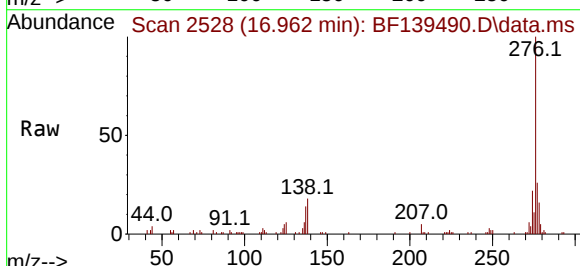
Tgt Ion:276 Resp: 54598

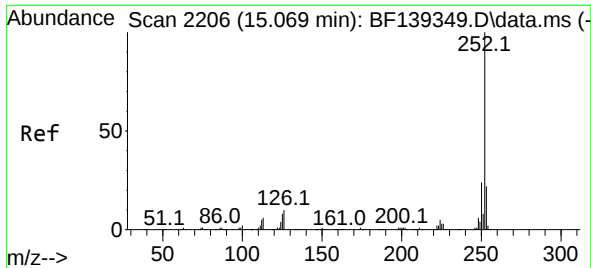
Ion Ratio Lower Upper

276 100

138 21.7 15.4 23.2

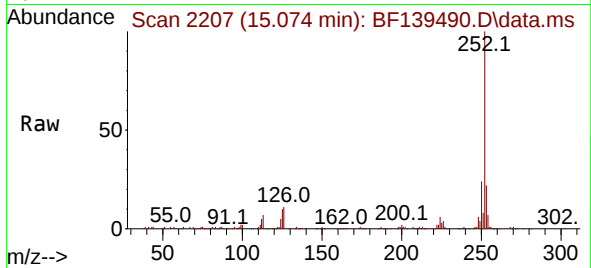
277 26.7 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 21.080 ng m
RT: 15.074 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

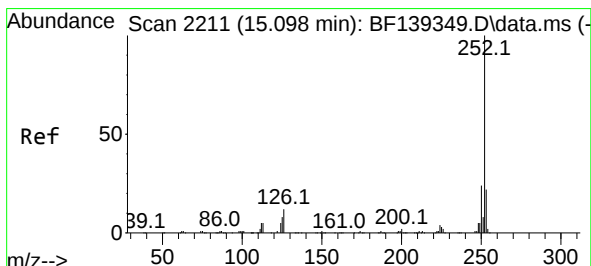
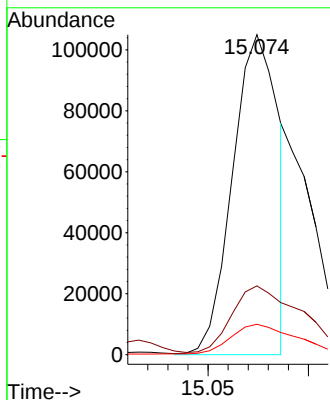
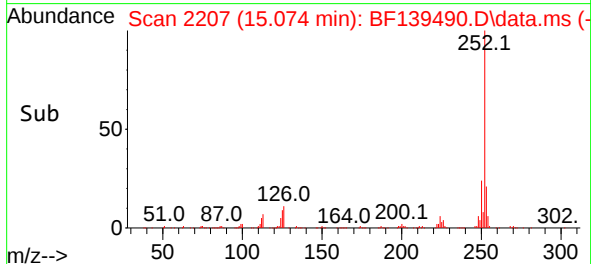
Instrument :
BNA_F
ClientSampleId :
WC-B-COMPDL



Tgt Ion:252 Resp: 166274
Ion Ratio Lower Upper
252 100
253 21.5 17.6 26.4
125 9.5 6.2 9.2

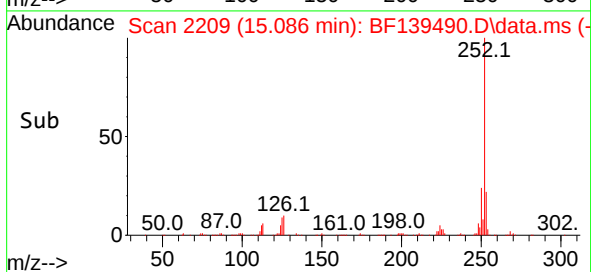
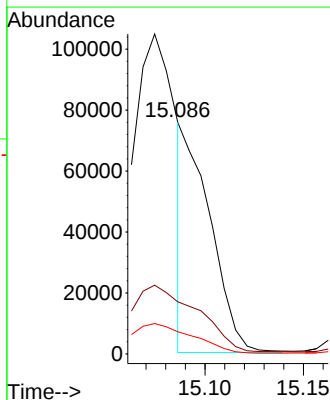
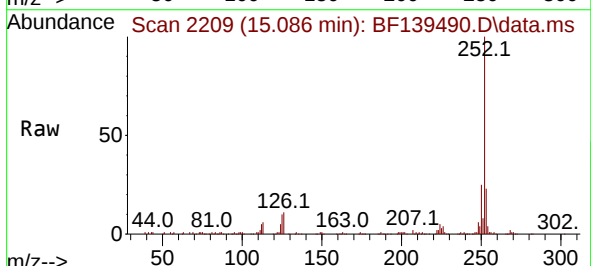
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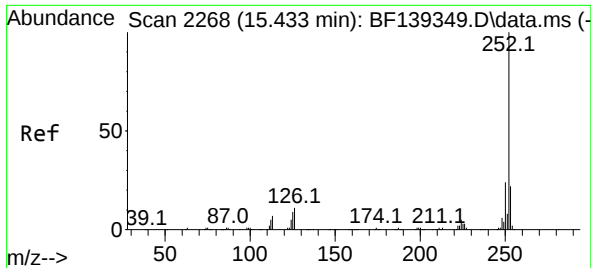
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#89
Benzo(k)fluoranthene
Concen: 9.612 ng m
RT: 15.086 min Scan# 2209
Delta R.T. -0.012 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

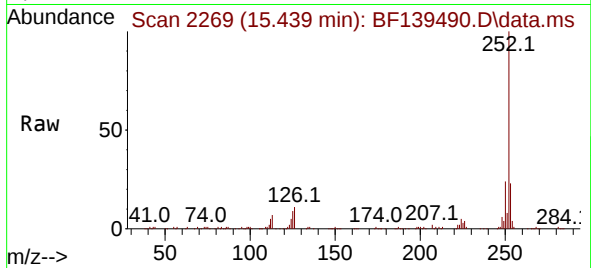
Tgt Ion:252 Resp: 69907
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 9.6 5.9 8.9





#90
Benzo(a)pyrene
Concen: 17.863 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

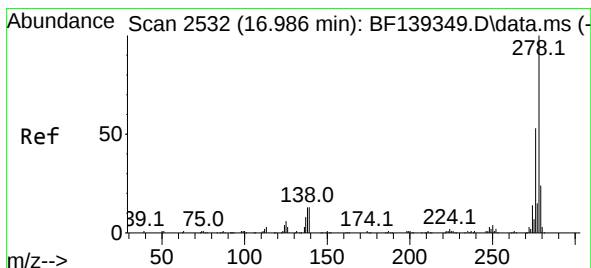
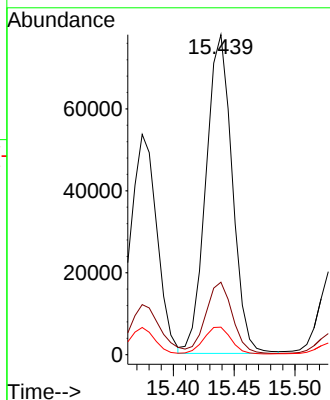
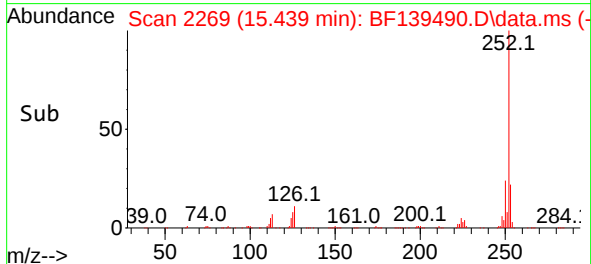
Instrument :
BNA_F
ClientSampleId :
WC-B-COMPDL



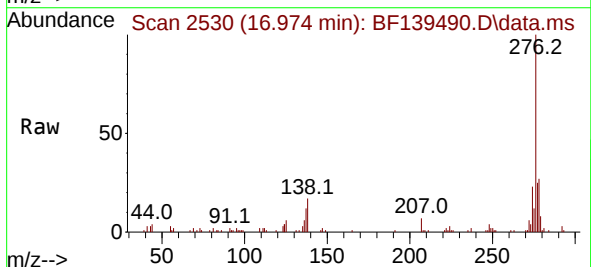
Tgt Ion:252 Resp: 116850
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 8.6 6.8 10.2

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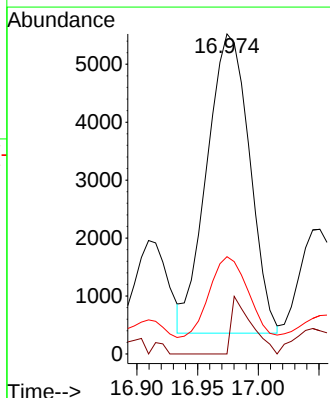
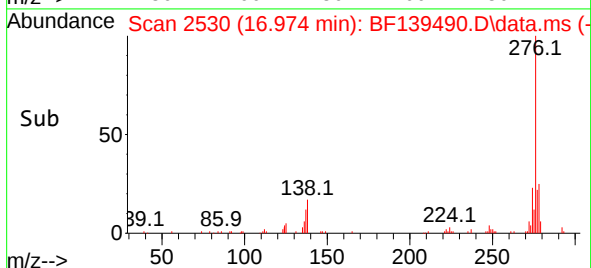
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

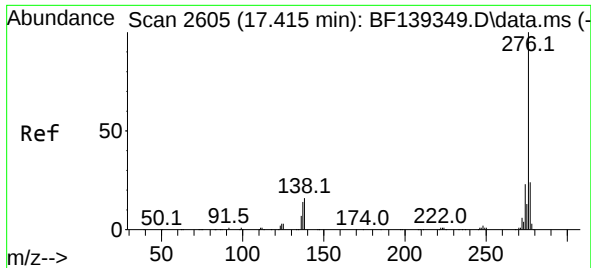


#91
Dibenzo(a,h)anthracene
Concen: 2.004 ng m
RT: 16.974 min Scan# 2530
Delta R.T. -0.012 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57



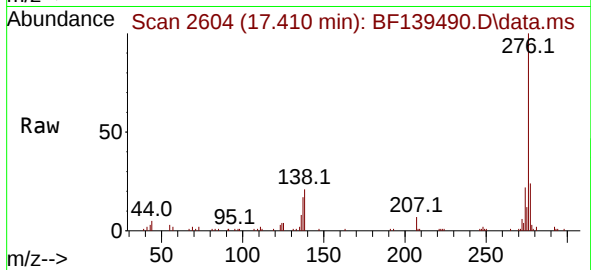
Tgt Ion:278 Resp: 12593
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 30.4 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 8.492 ng
RT: 17.410 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

Instrument :
BNA_F
ClientSampleId :
WC-B-COMPDL



Tgt Ion:276 Resp: 52839
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 21.1 13.0 19.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

