

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136740.D
 Acq On : 27 Dec 2023 02:12
 Operator : CG\JU
 Sample : 05602-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPRING-VALLEY-TP-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/27/2023
 Supervised By :mohammad ahmed 12/27/2023

Quant Time: Dec 27 04:03:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	71876	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	244801	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	99411	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	170387	20.000	ng	0.00
76) Chrysene-d12	13.963	240	155579	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	102589	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	378563	82.178	ng	0.00
7) Phenol-d6	6.428	99	466313	78.122	ng	-0.01
23) Nitrobenzene-d5	7.345	82	289027	60.416	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	87032	74.336	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	521191	70.515	ng	-0.01
79) Terphenyl-d14	12.904	244	506441	45.490	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.327	178	22539	2.578	ng	98
75) Fluoranthene	12.527	202	51731	5.532	ng	99
78) Pyrene	12.757	202	49569	3.246	ng	98
81) Benzo(a)anthracene	13.951	228	31059m	2.875	ng	
83) Chrysene	13.986	228	30112	2.850	ng	96
88) Benzo(b)fluoranthene	15.010	252	31736m	4.632	ng	
90) Benzo(a)pyrene	15.374	252	18858	3.260	ng	# 88
92) Benzo(g,h,i)perylene	17.392	276	14093	2.264	ng	# 92

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

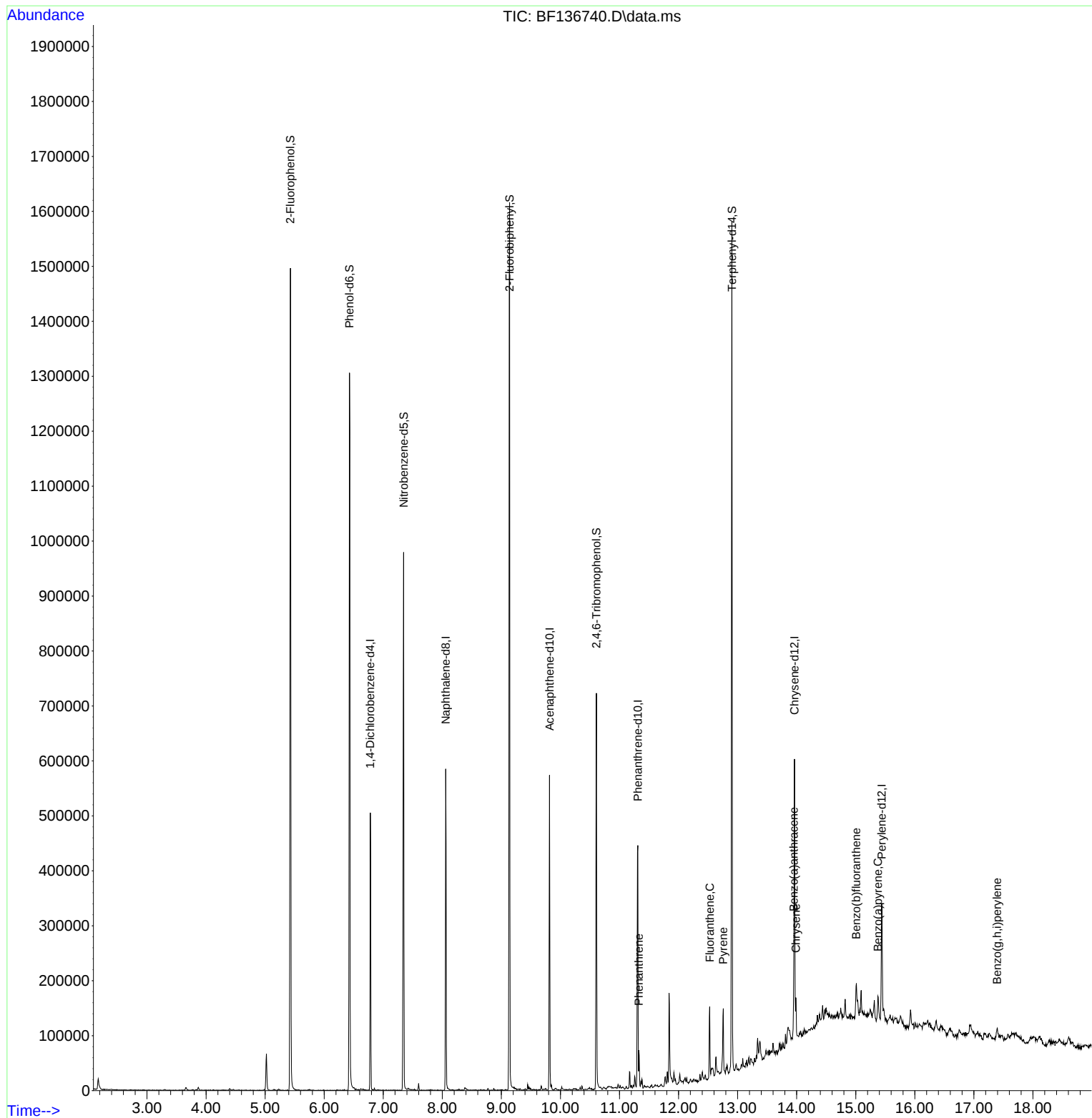
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136740.D
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Sample : 05602-01
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ALS Vial : 17 Sample Multiplier: 1

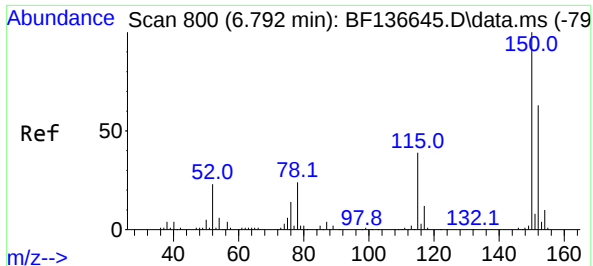
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Quant Time: Dec 27 04:03:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
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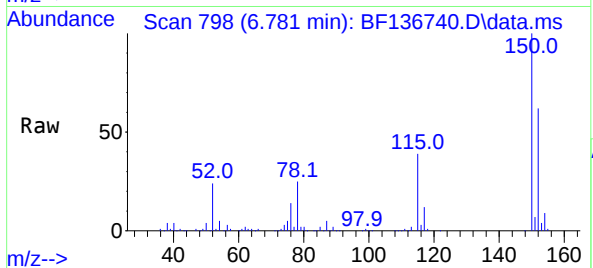
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Supervised By :mohammad ahmed 12/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 71870
Delta R.T. -0.011 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

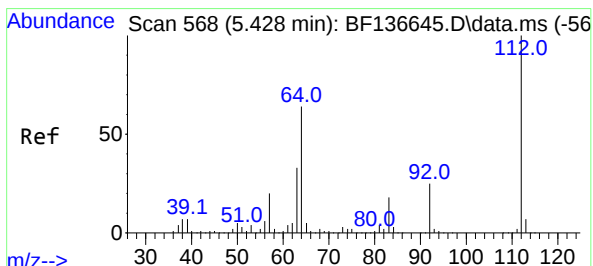
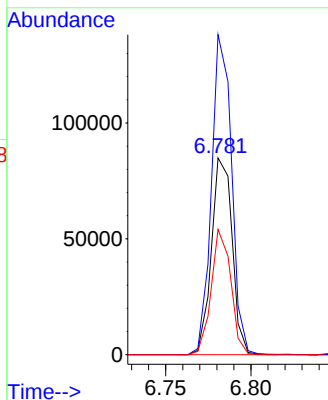
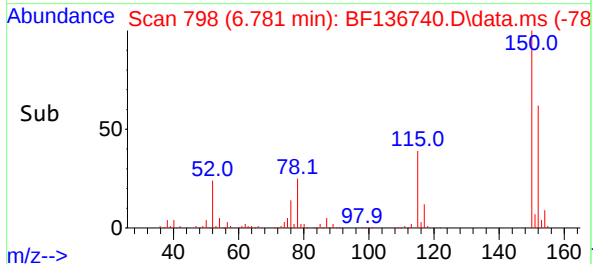
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1



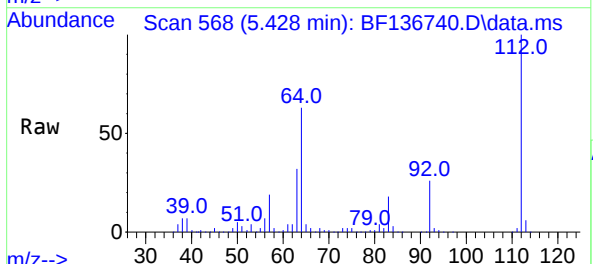
Tgt Ion:152 Resp: 71870
Ion Ratio Lower Upper
152 100
150 162.6 127.0 190.6
115 63.6 49.0 73.4

Manual Integrations
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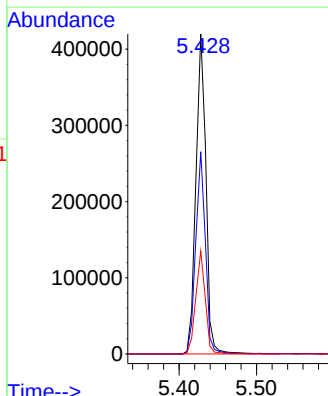
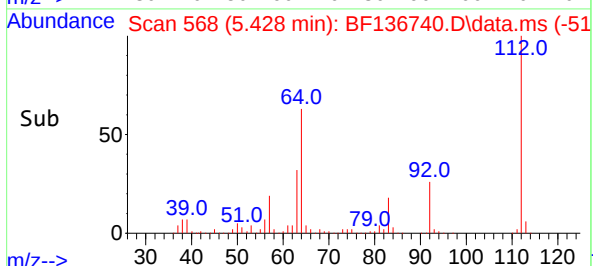
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



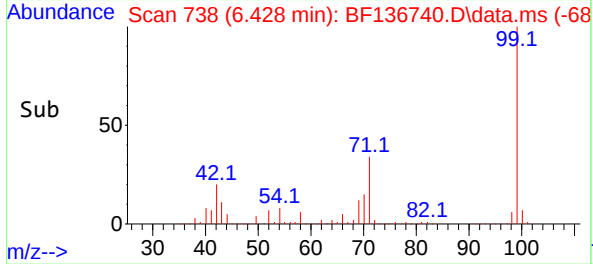
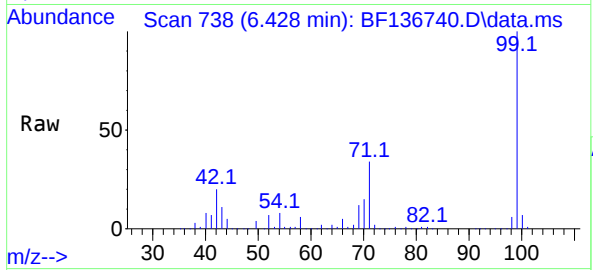
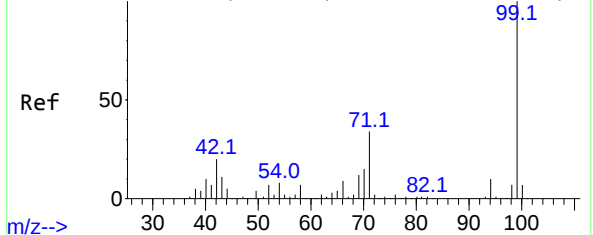
#5
2-Fluorophenol
Concen: 82.178 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12



Tgt Ion:112 Resp: 378563
Ion Ratio Lower Upper
112 100
64 63.2 51.1 76.7
63 32.2 26.1 39.1



Abundance Scan 740 (6.439 min): BF136645.D\data.ms (-73



#7

Phenol-d6

Concen: 78.122 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF136740.D

Acq: 27 Dec 2023 02:12

Instrument :

BNA_F

ClientSampleId :

SPRING-VALLEY-TP-1

Tgt Ion: 99 Resp: 46631

Ion Ratio Lower Upper

99 100

42 20.4 16.1 24.1

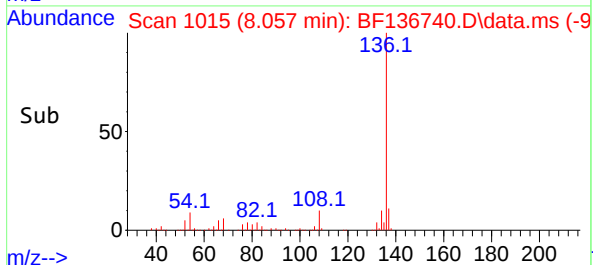
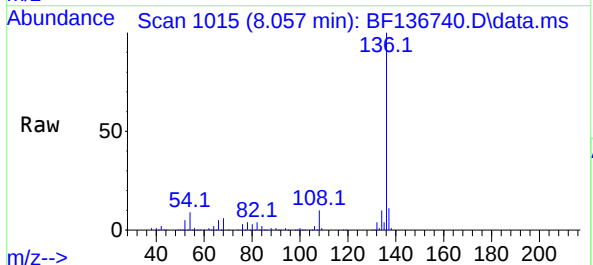
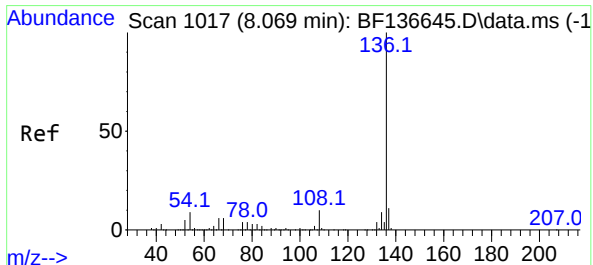
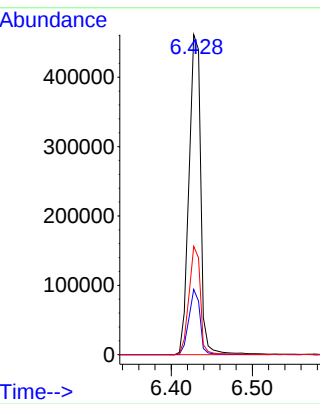
71 33.8 27.4 41.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF136740.D

Acq: 27 Dec 2023 02:12

Tgt Ion:136 Resp: 244801

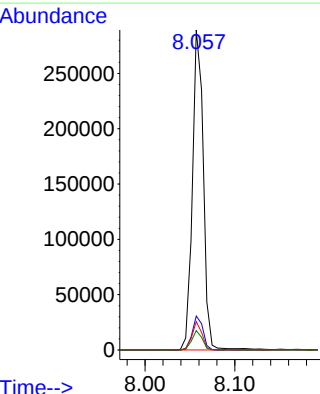
Ion Ratio Lower Upper

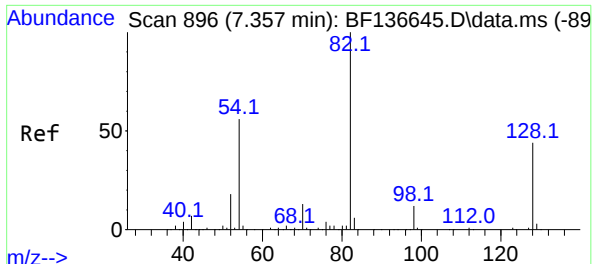
136 100

137 10.6 9.0 13.4

54 8.9 7.2 10.8

68 6.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 60.416 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136740.D

Acq: 27 Dec 2023 02:12

Instrument :

BNA_F

ClientSampleId :

SPRING-VALLEY-TP-1

Tgt Ion: 82 Resp: 28902

Ion Ratio Lower Upper

82 100

128 45.4 35.3 52.9

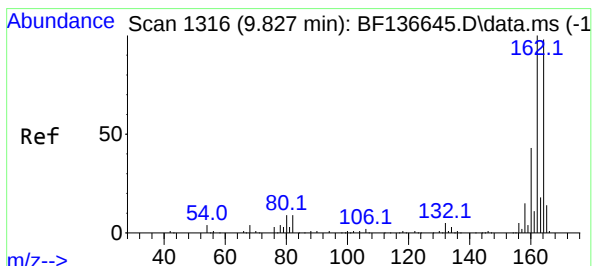
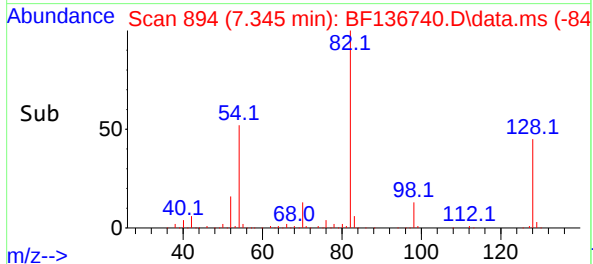
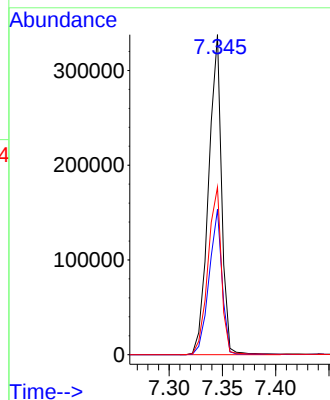
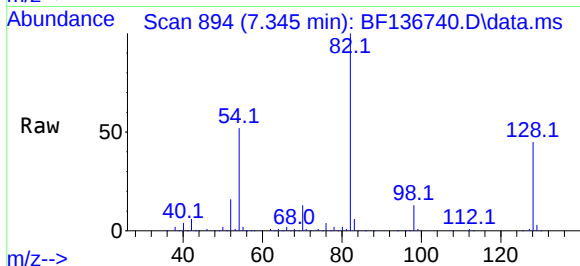
54 52.4 44.5 66.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF136740.D

Acq: 27 Dec 2023 02:12

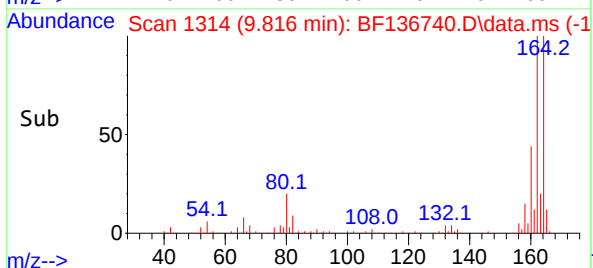
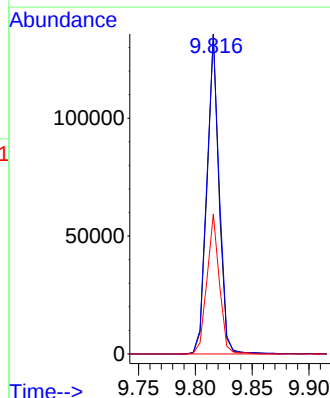
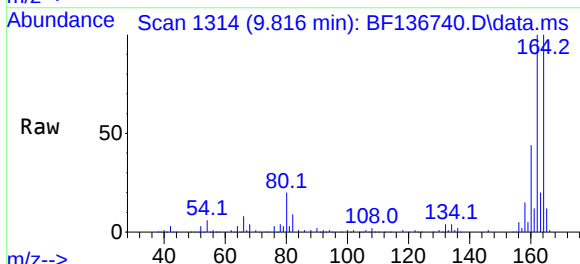
Tgt Ion:164 Resp: 99411

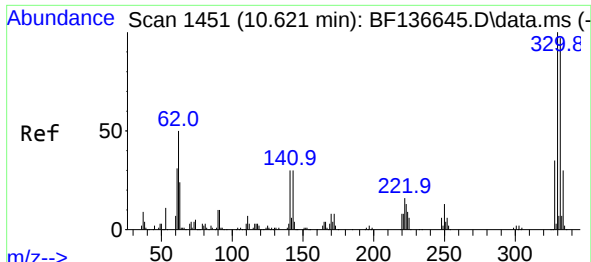
Ion Ratio Lower Upper

164 100

162 99.8 81.6 122.4

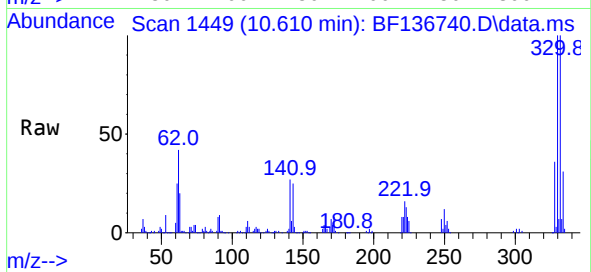
160 43.8 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 74.336 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

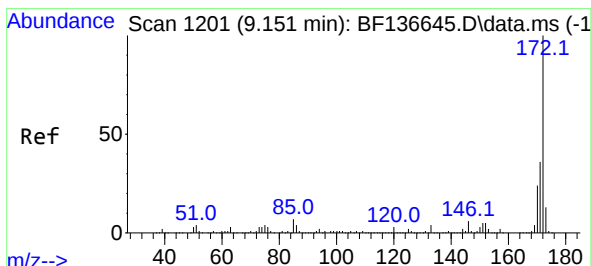
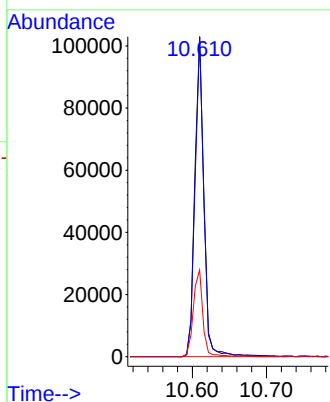
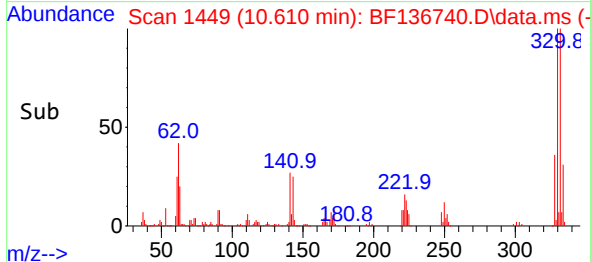
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1



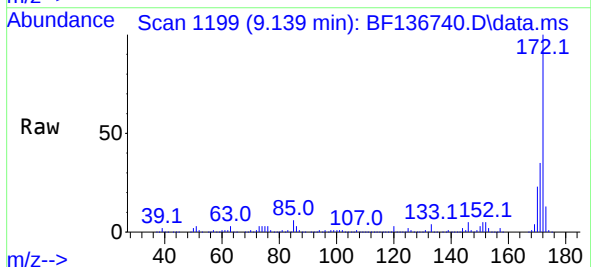
Tgt Ion:330 Resp: 87032
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 28.5 23.4 35.2

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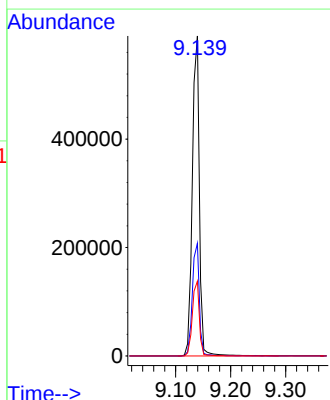
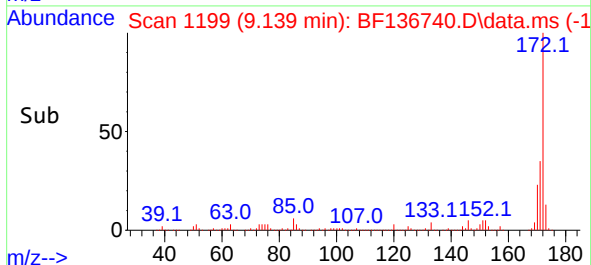
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

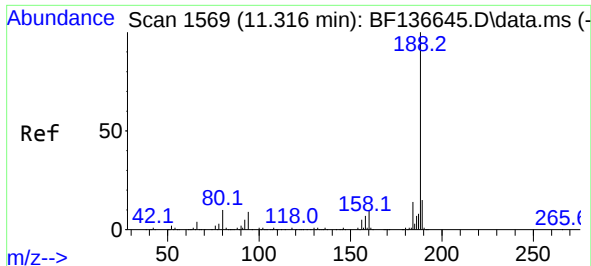


#45
2-Fluorobiphenyl
Concen: 70.515 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12



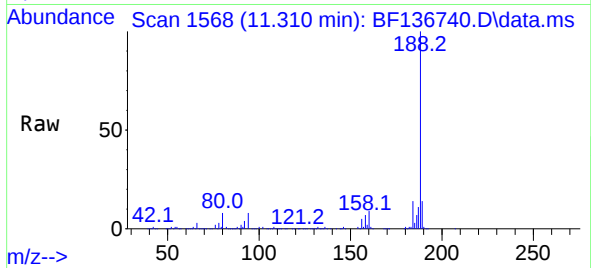
Tgt Ion:172 Resp: 521191
Ion Ratio Lower Upper
172 100
171 35.2 29.0 43.6
170 23.4 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

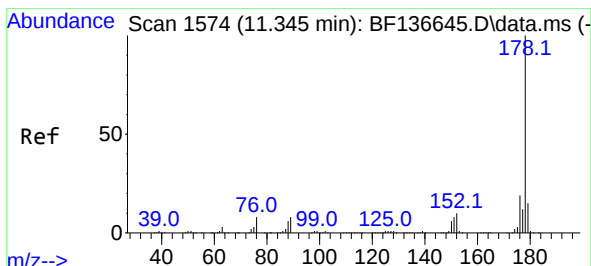
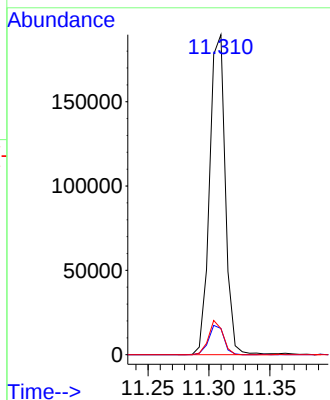
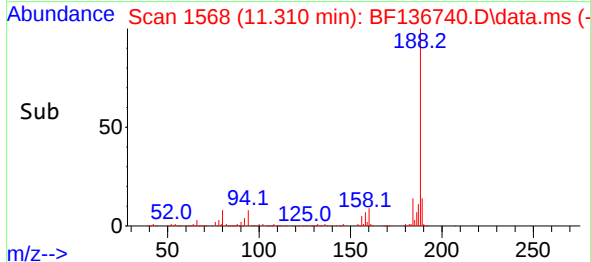
Instrument :
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SPRING-VALLEY-TP-1



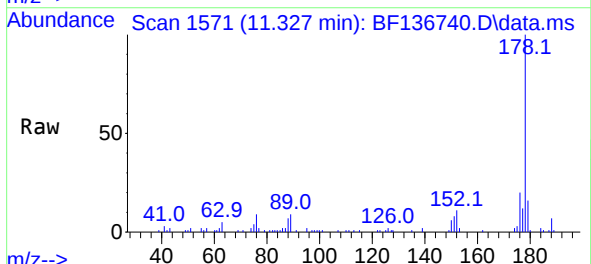
Tgt Ion:188 Resp: 17038
Ion Ratio Lower Upper
188 100
94 8.2 7.5 11.3
80 8.2 8.1 12.1

Manual Integrations
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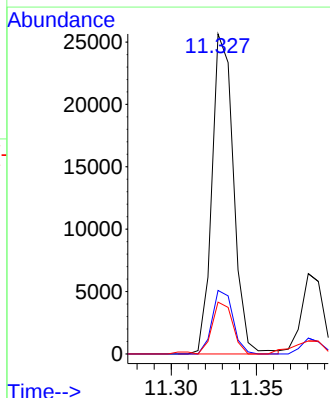
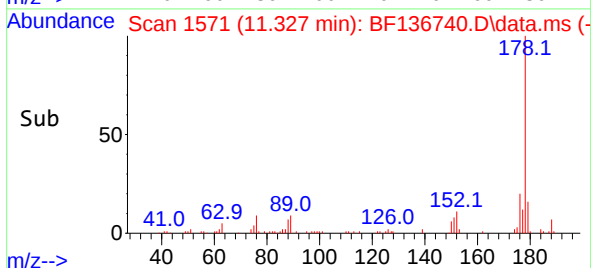
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

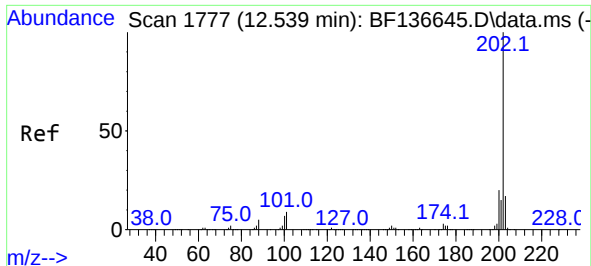


#71
Phenanthrene
Concen: 2.578 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12



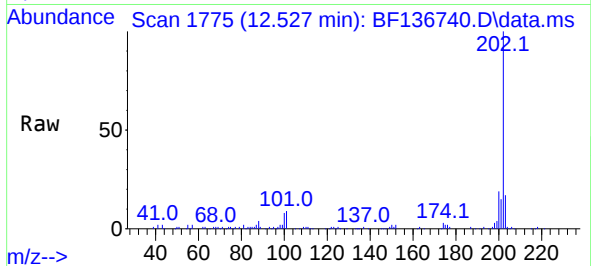
Tgt Ion:178 Resp: 22539
Ion Ratio Lower Upper
178 100
176 19.9 15.3 22.9
179 16.2 11.9 17.9





#75
Fluoranthene
Concen: 5.532 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

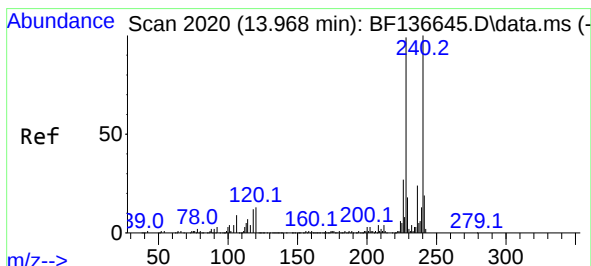
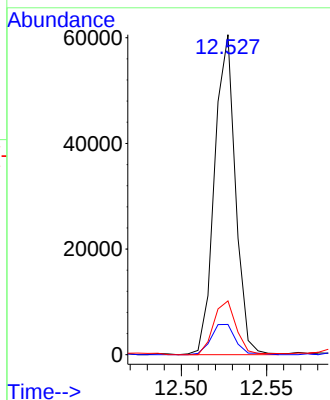
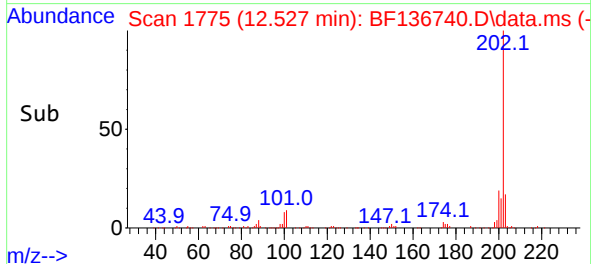
Instrument :
BNA_F
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SPRING-VALLEY-TP-1



Tgt Ion:202 Resp: 5173
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.3
203 16.8 0.0 37.1

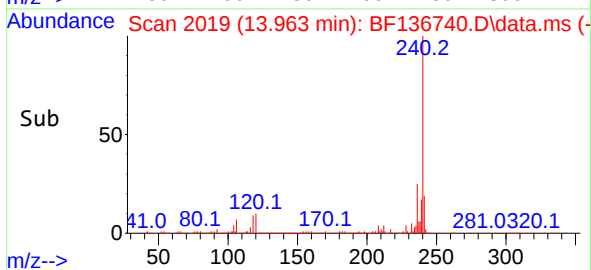
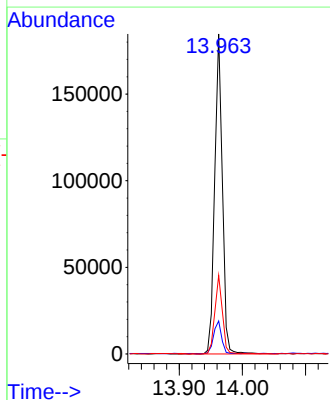
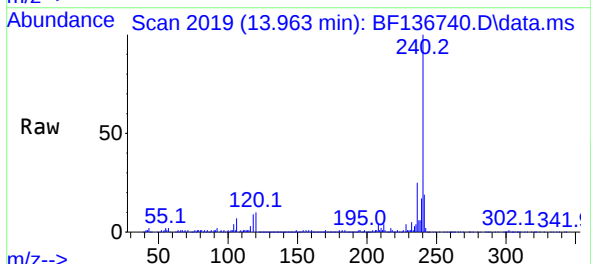
Manual Integrations
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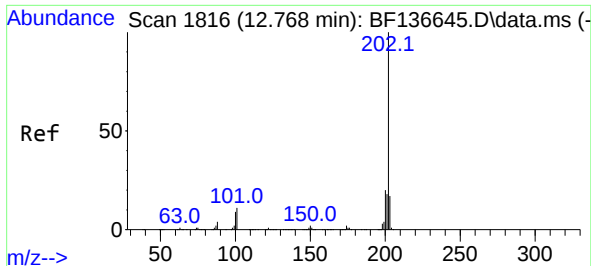
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

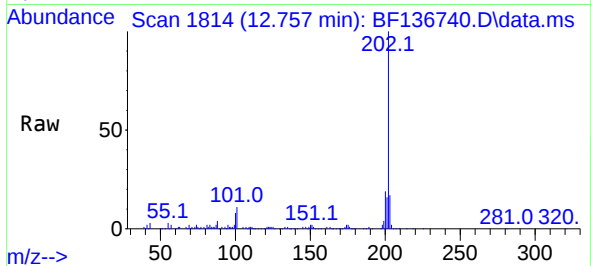
Tgt Ion:240 Resp: 155579
Ion Ratio Lower Upper
240 100
120 10.3 10.3 15.5#
236 24.6 19.4 29.2





#78
Pyrene
Concen: 3.246 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

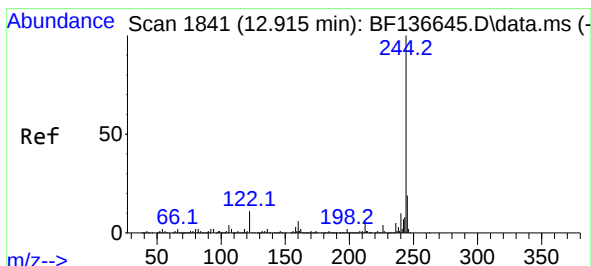
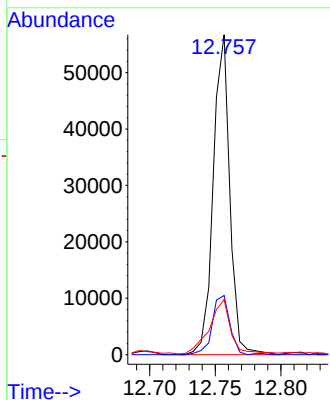
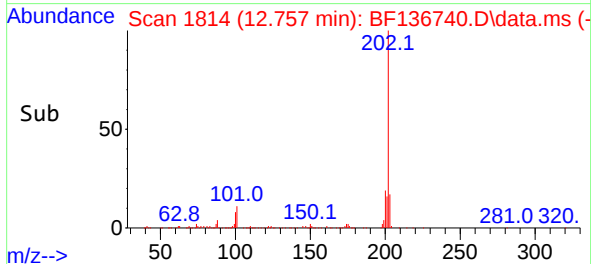
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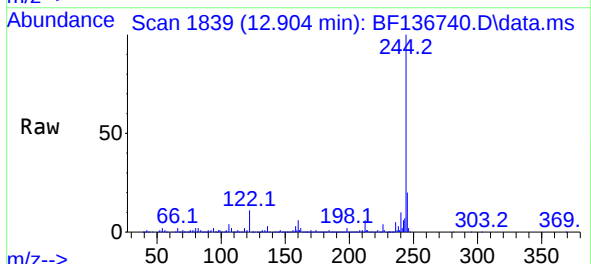
Tgt Ion:202 Resp: 49569
Ion Ratio Lower Upper
202 100
200 18.5 15.9 23.9
203 17.2 13.8 20.6

Manual Integrations
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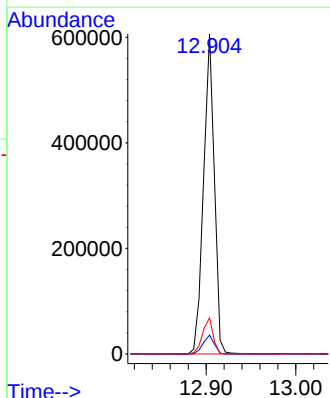
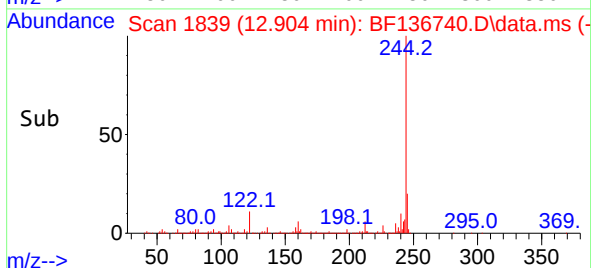
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

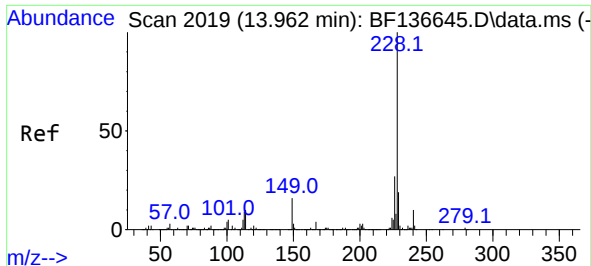


#79
Terphenyl-d14
Concen: 45.490 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12



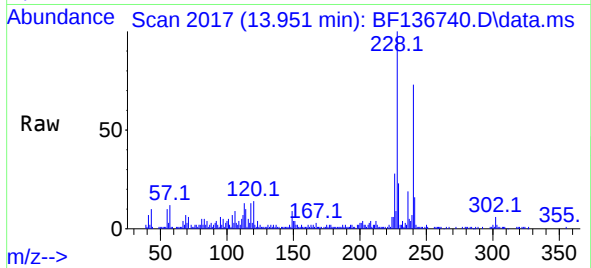
Tgt Ion:244 Resp: 506441
Ion Ratio Lower Upper
244 100
212 5.9 5.0 7.4
122 11.3 9.0 13.4





#81
Benzo(a)anthracene
Concen: 2.875 ng m
RT: 13.951 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

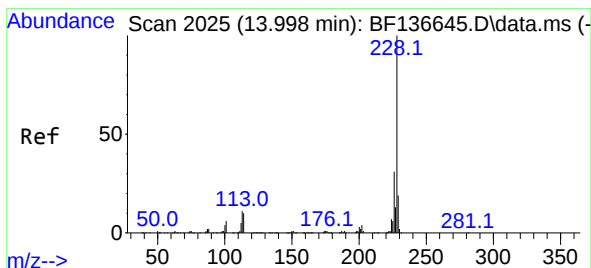
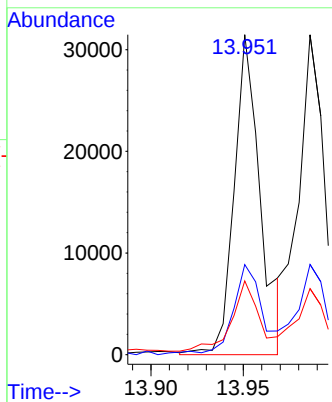
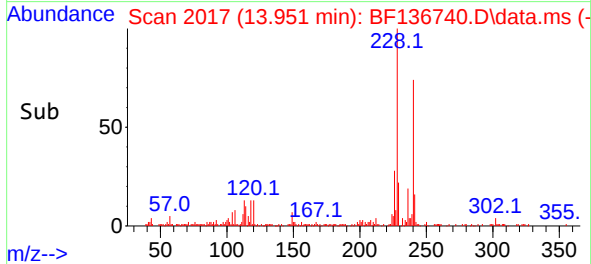
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1



Tgt Ion:228 Resp: 31059
Ion Ratio Lower Upper
228 100
226 28.1 21.4 32.0
229 23.1 14.9 22.3

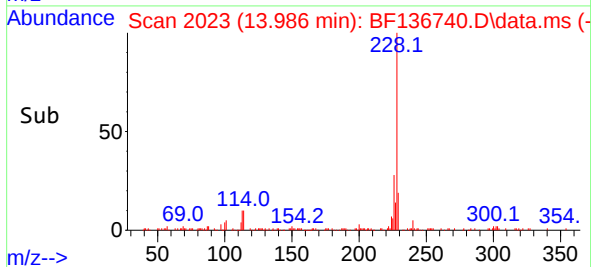
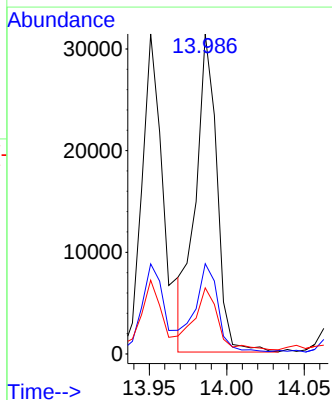
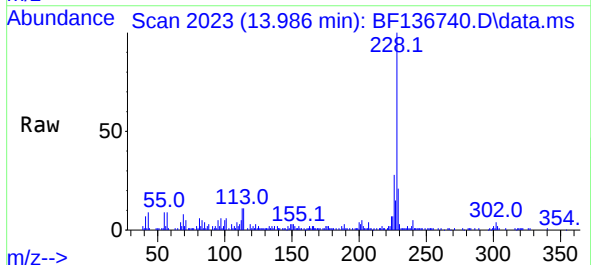
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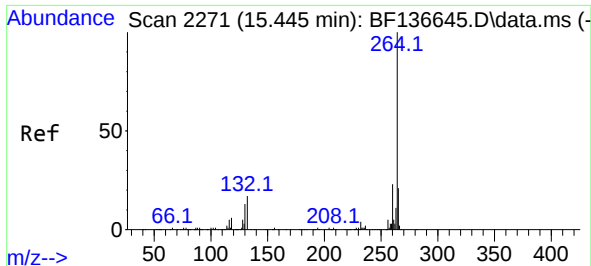
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#83
Chrysene
Concen: 2.850 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

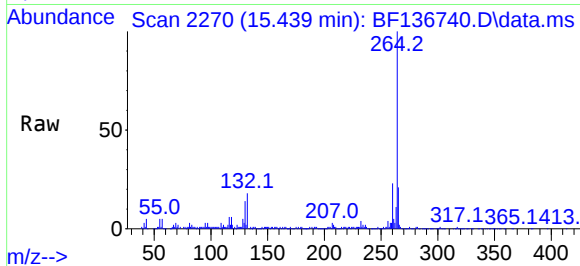
Tgt Ion:228 Resp: 30112
Ion Ratio Lower Upper
228 100
226 28.2 24.7 37.1
229 20.7 15.4 23.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

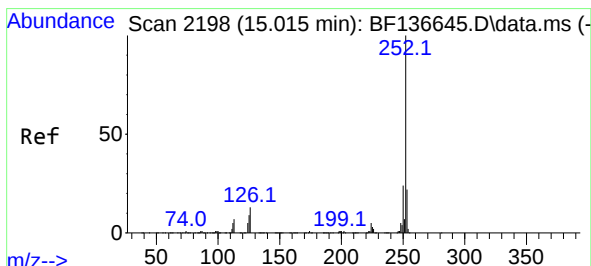
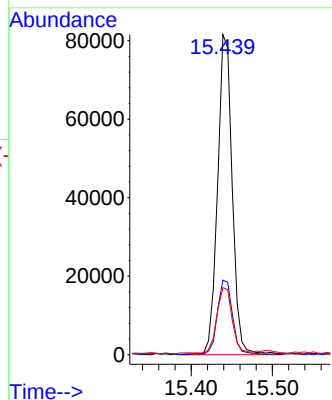
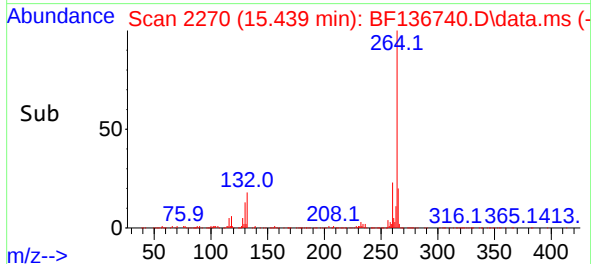
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1



Tgt Ion:264 Resp: 102589
Ion Ratio Lower Upper
264 100
260 23.3 18.3 27.5
265 21.0 17.0 25.6

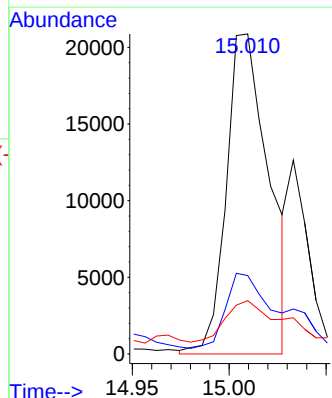
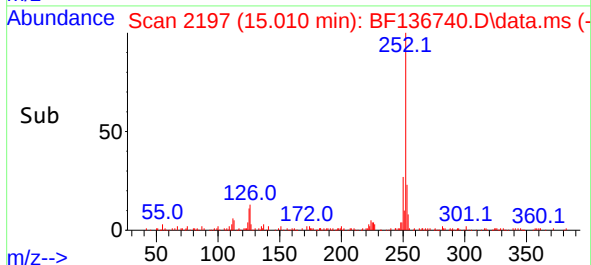
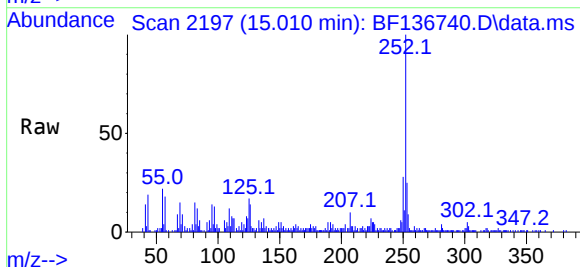
Manual Integrations
APPROVED

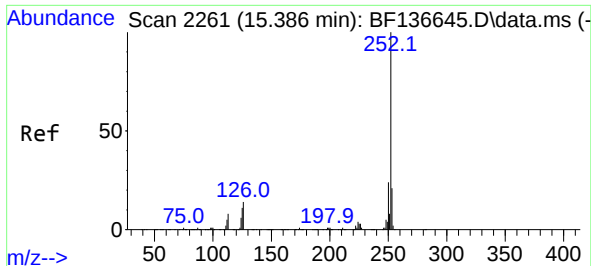
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#88
Benzo(b)fluoranthene
Concen: 4.632 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

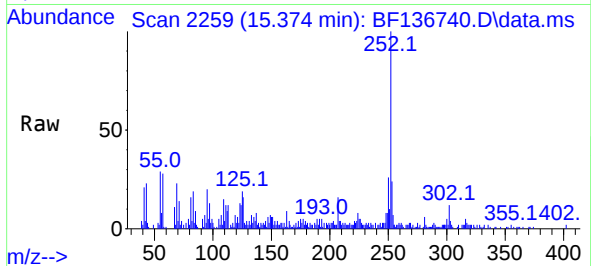
Tgt Ion:252 Resp: 31736
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.0
125 16.7 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 3.260 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

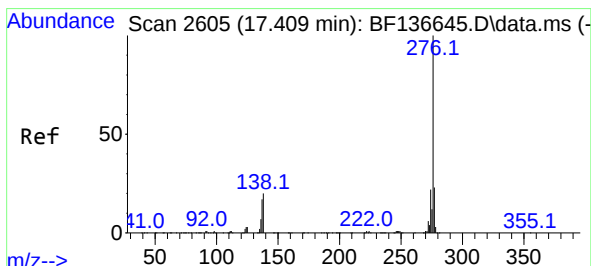
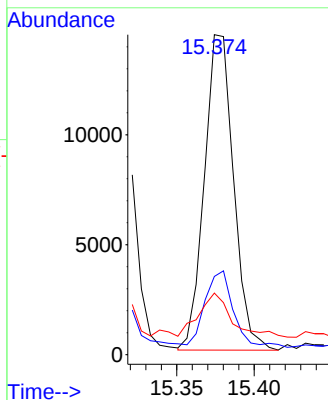
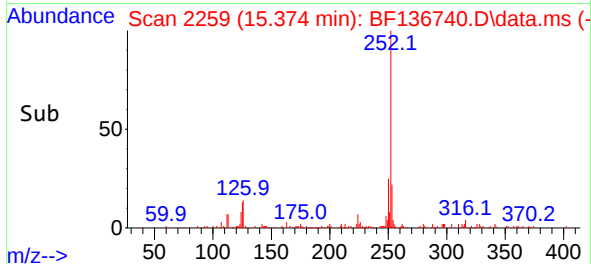
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1



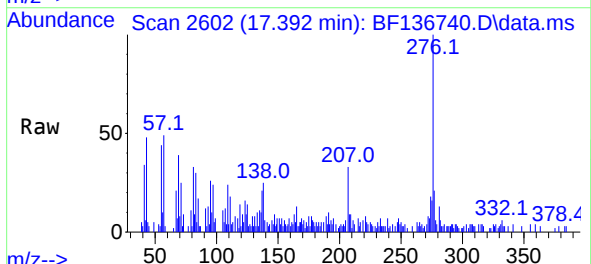
Tgt Ion:252 Resp: 1885
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.6
125 19.3 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#92
Benzo(g,h,i)perylene
Concen: 2.264 ng
RT: 17.392 min Scan# 2602
Delta R.T. -0.018 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12



Tgt Ion:276 Resp: 14093
Ion Ratio Lower Upper
276 100
277 20.8 18.3 27.5
138 25.2 15.6 23.4

