

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122123\
 Data File : BF136672.D
 Acq On : 21 Dec 2023 16:46
 Operator : CG\JU
 Sample : 05831-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20017

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/22/2023
 Supervised By :mohammad ahmed 12/22/2023

Quant Time: Dec 21 17:34:08 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	67473	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	220479	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	90927	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	175105	20.000	ng	0.00
76) Chrysene-d12	13.963	240	146395	20.000	ng	0.00
86) Perylene-d12	15.445	264	112891	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	217162	50.218	ng	-0.01
7) Phenol-d6	6.422	99	252884	45.131	ng	-0.02
23) Nitrobenzene-d5	7.339	82	149528	34.704	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	48933	45.695	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	266865	39.474	ng	-0.02
79) Terphenyl-d14	12.904	244	307854	29.387	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.081	128	35651	2.943	ng	98
37) 2-Methylnaphthalene	8.769	142	51029	6.546	ng	99
38) 1-Methylnaphthalene	8.869	142	35534	4.646	ng	95
52) Acenaphthene	9.845	154	13158	2.394	ng	96
58) Fluorene	10.363	166	17896	2.707	ng	# 94
71) Phenanthrene	11.333	178	201187	22.392	ng	98
72) Anthracene	11.380	178	44164m	4.854	ng	
75) Fluoranthene	12.527	202	369552	38.453	ng	97
78) Pyrene	12.757	202	361121	25.128	ng	99
81) Benzo(a)anthracene	13.957	228	150929	14.847	ng	96
83) Chrysene	13.992	228	159091	16.004	ng	95
84) Bis(2-ethylhexyl)phtha...	13.951	149	120758	18.354	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.939	276	51205	6.282	ng	94
88) Benzo(b)fluoranthene	15.009	252	134021m	17.774	ng	
89) Benzo(k)fluoranthene	15.039	252	48041m	6.743	ng	
90) Benzo(a)pyrene	15.380	252	91670	14.403	ng	# 91
92) Benzo(g,h,i)perylene	17.392	276	49440	7.219	ng	96

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

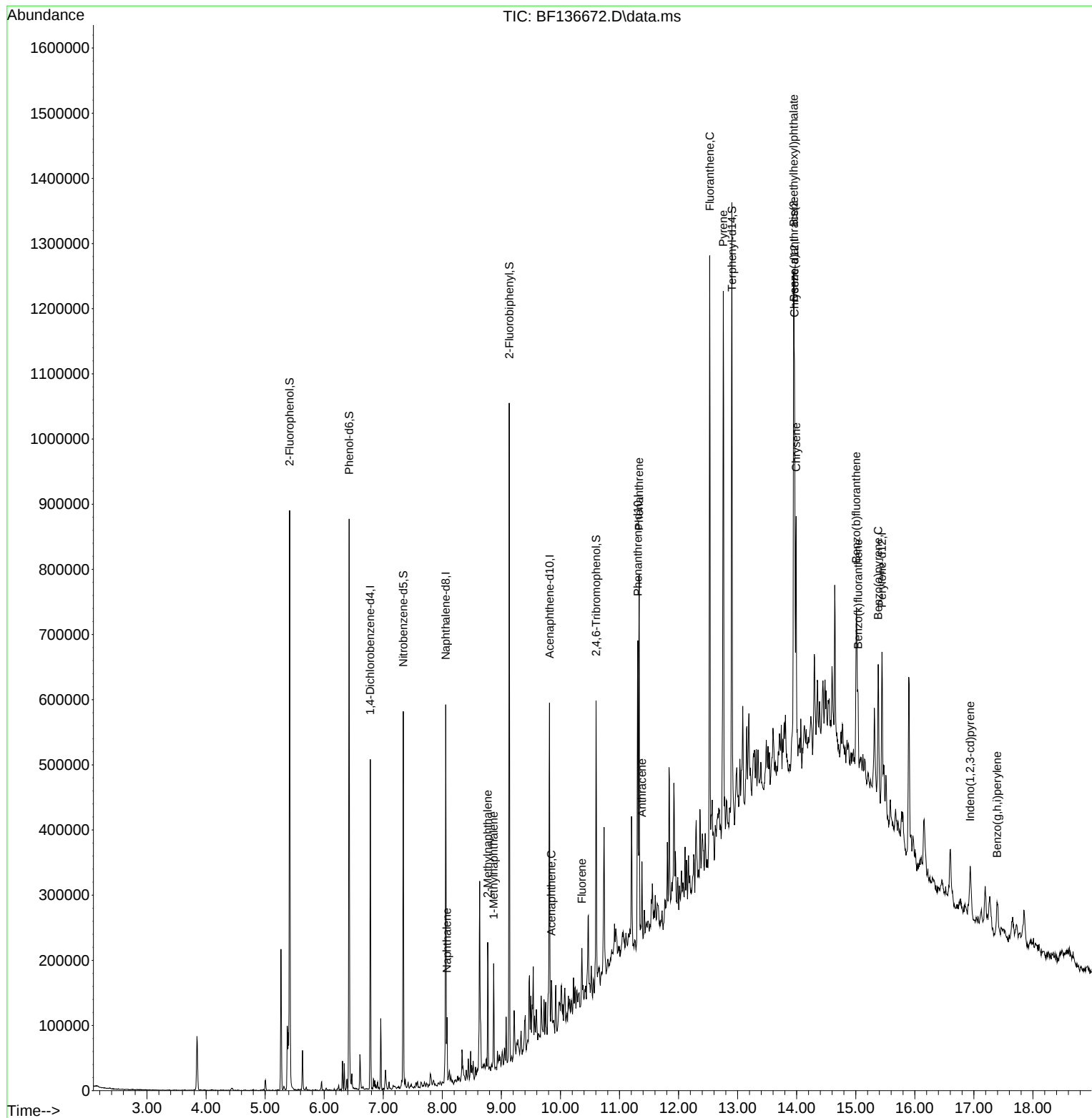
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122123\
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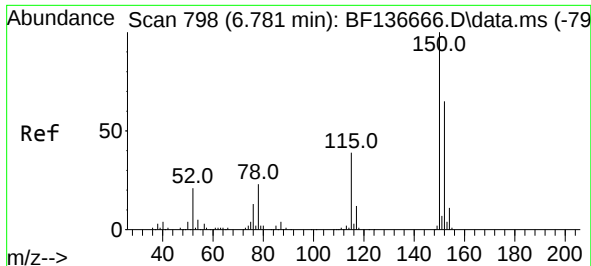
Instrument :
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Quant Time: Dec 21 17:34:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
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 Supervised By :mohammad ahmed 12/22/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

ClientSampleId :

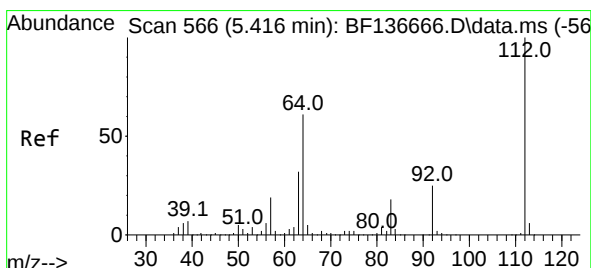
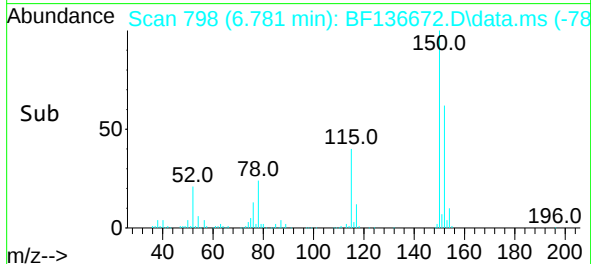
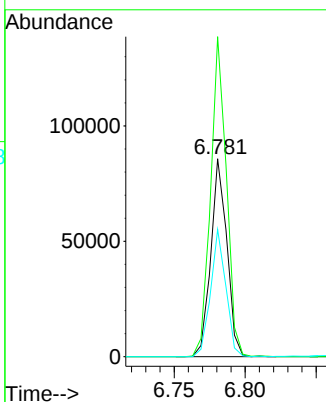
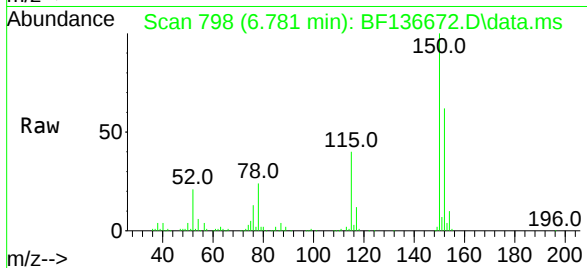
CHRT-20017

Tgt Ion:152 Resp: 6747
Ion Ratio Lower Upper
152 100
150 161.7 127.0 190.6
115 64.3 49.0 73.4

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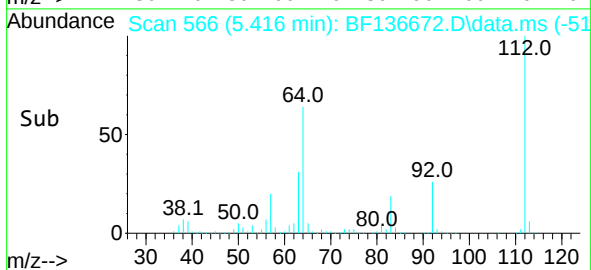
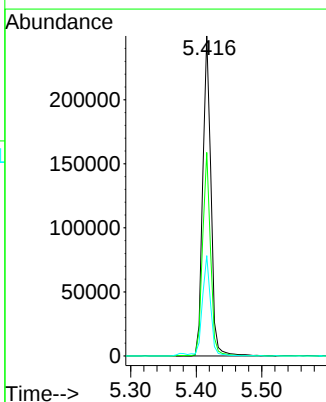
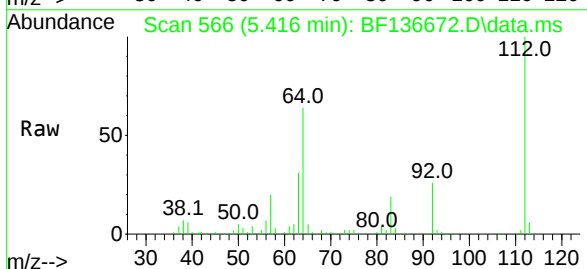
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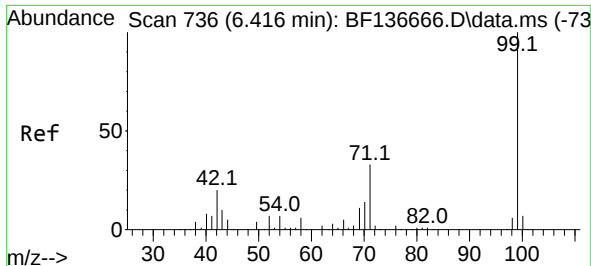
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023



#5
2-Fluorophenol
Concen: 50.218 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:112 Resp: 217162
Ion Ratio Lower Upper
112 100
64 63.6 51.1 76.7
63 31.3 26.1 39.1





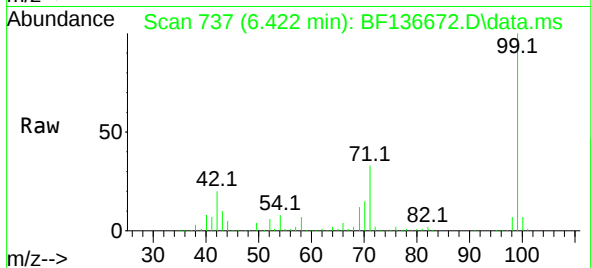
#7
Phenol-d6
Concen: 45.131 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

ClientSampleId :

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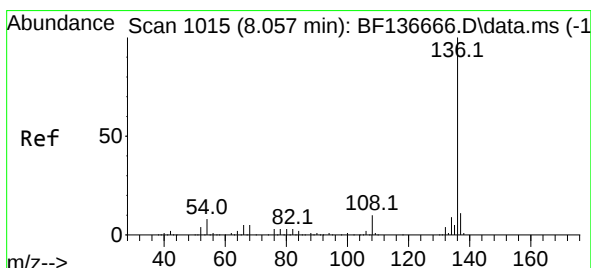
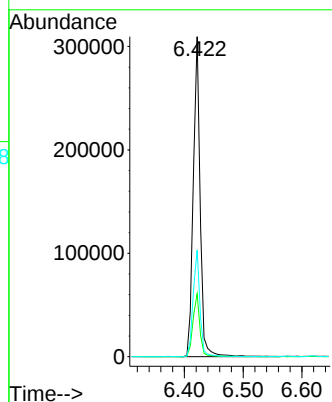
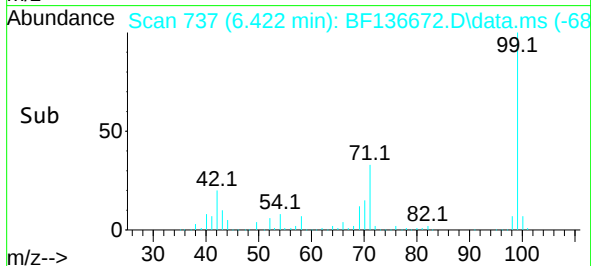


Tgt Ion: 99 Resp: 252884
Ion Ratio Lower Upper
99 100
42 19.7 16.1 24.1
71 33.4 27.4 41.2

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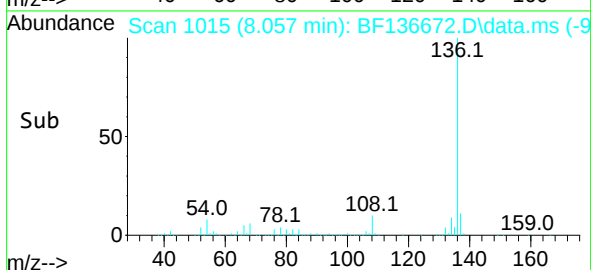
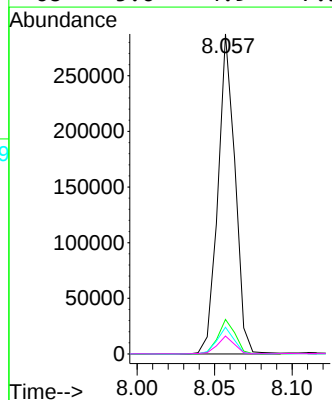
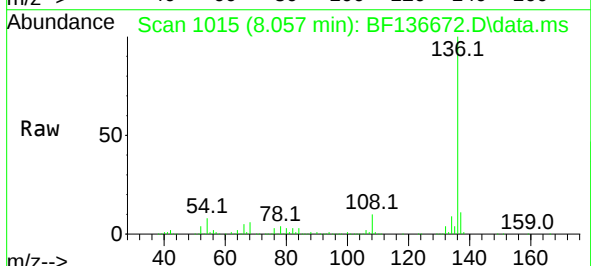
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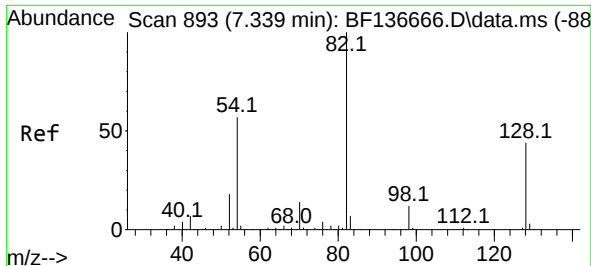
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:136 Resp: 220479
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.3 7.2 10.8
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 34.704 ng

RT: 7.339 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

ClientSampleId :

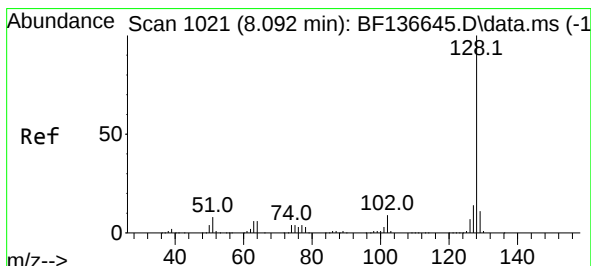
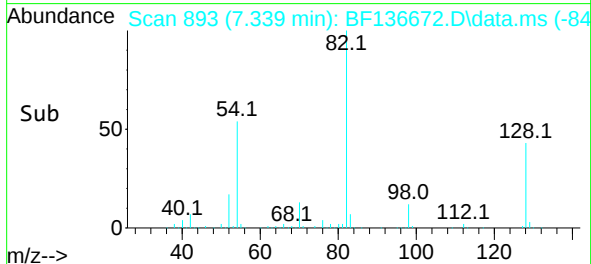
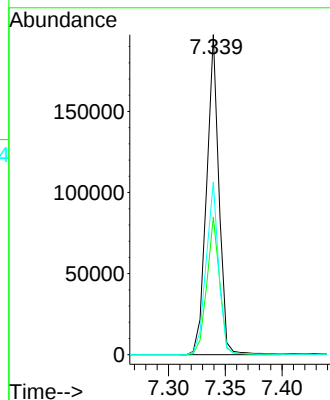
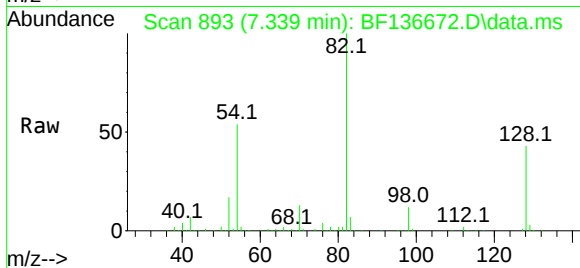
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Tgt Ion: 82 Resp: 149528
 Ion Ratio Lower Upper
 82 100
 128 43.1 35.3 52.9
 54 54.0 44.5 66.7

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 Supervised By :mohammad ahmed 12/22/2023



#31

Naphthalene

Concen: 2.943 ng

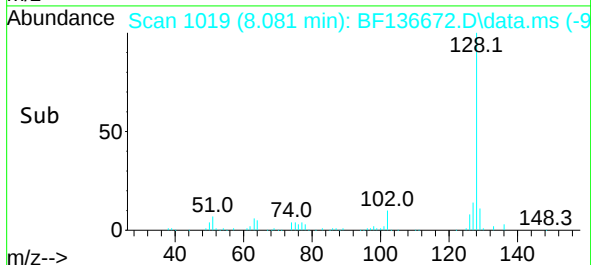
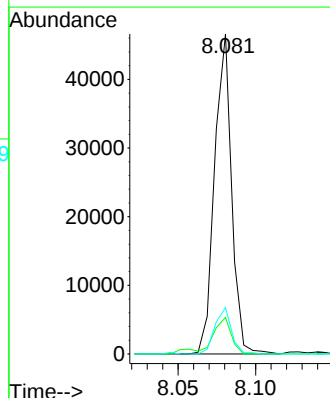
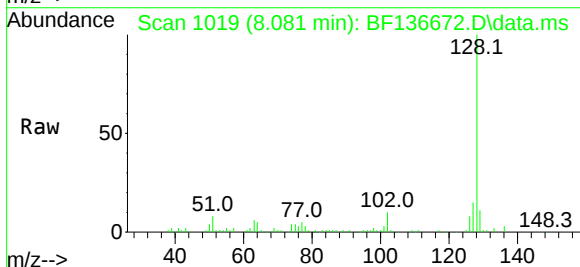
RT: 8.081 min Scan# 1019

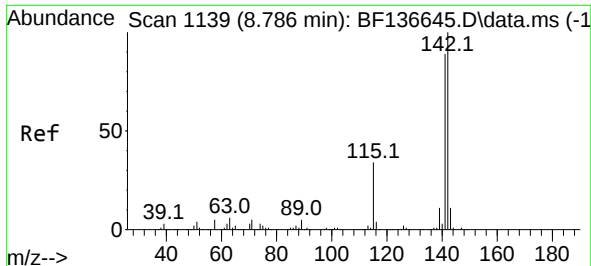
Delta R.T. -0.012 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

Tgt Ion:128 Resp: 35651
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.7 13.1
 127 14.5 10.8 16.2





#37

2-Methylnaphthalene

Concen: 6.546 ng

RT: 8.769 min Scan# 1136

Delta R.T. -0.018 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

ClientSampleId :

CHRT-20017

Tgt Ion:142 Resp: 51029

Ion Ratio Lower Upper

142 100

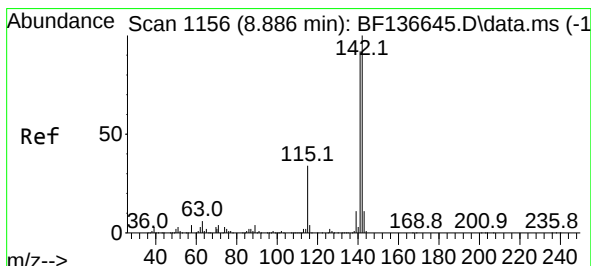
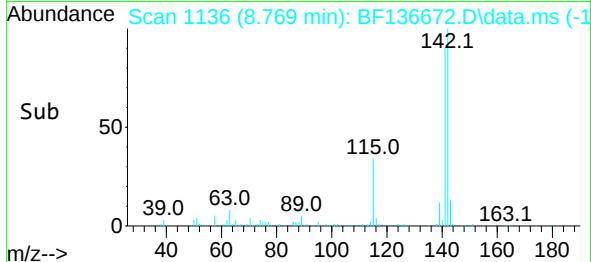
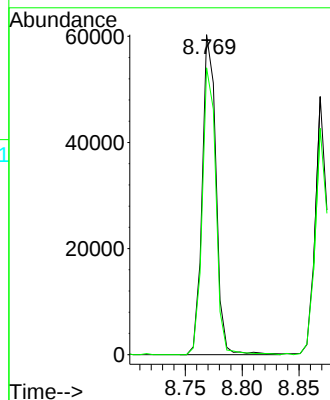
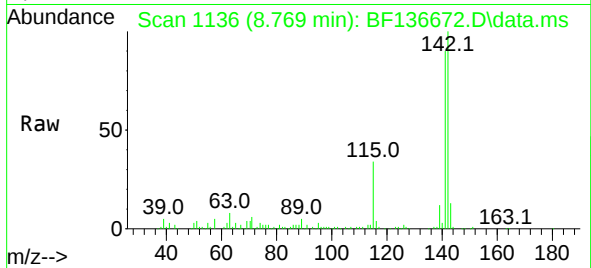
141 89.6 71.1 106.7

Manual Integrations

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Reviewed By :Yogesh Patel 12/22/2023

Supervised By :mohammad ahmed 12/22/2023



#38

1-Methylnaphthalene

Concen: 4.646 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.018 min

Lab File: BF136672.D

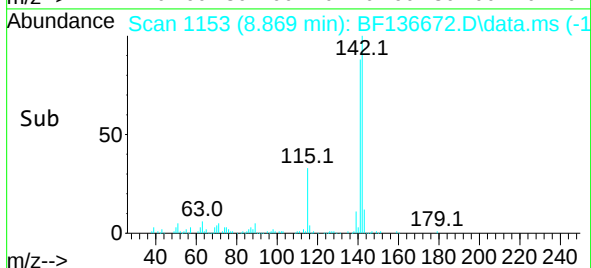
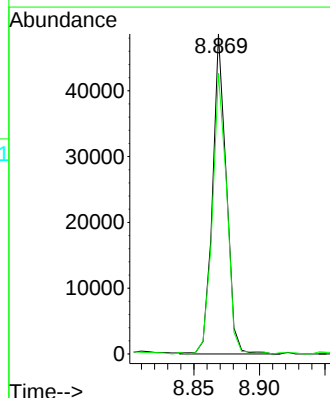
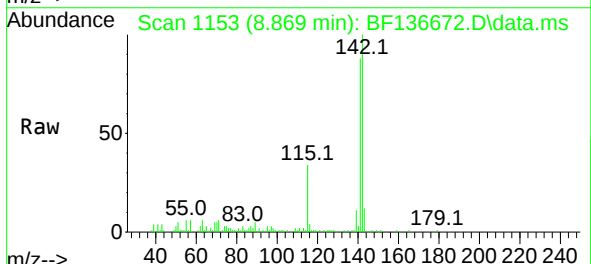
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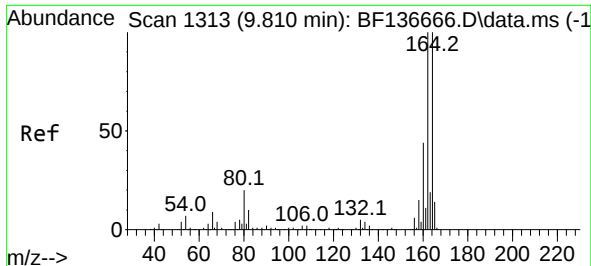
Tgt Ion:142 Resp: 35534

Ion Ratio Lower Upper

142 100

141 87.7 73.6 110.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

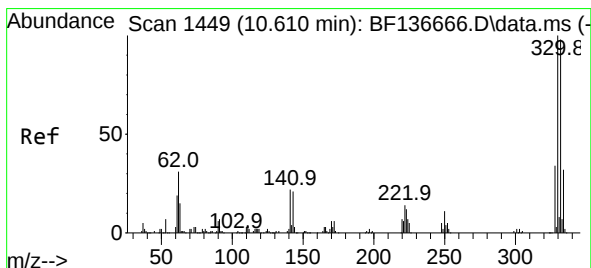
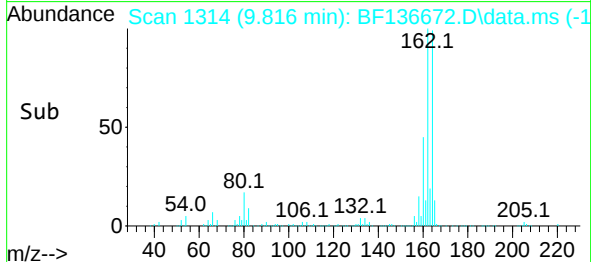
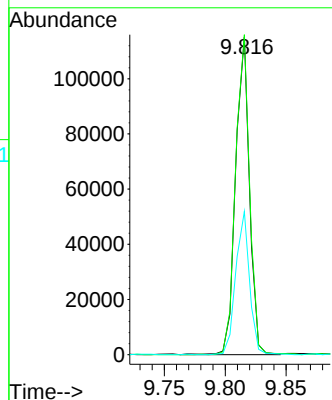
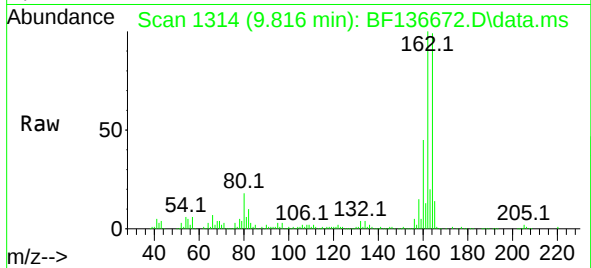
ClientSampleId :

CHRT-20017

Tgt Ion:164 Resp: 9092
Ion Ratio Lower Upper
164 100
162 100.7 81.6 122.4
160 45.1 34.9 52.3

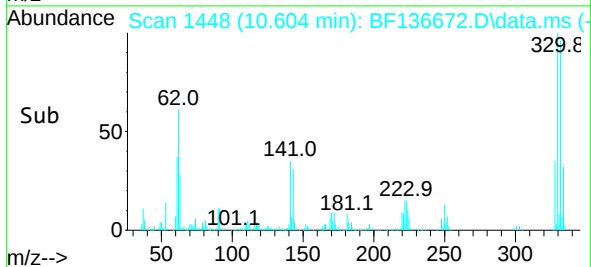
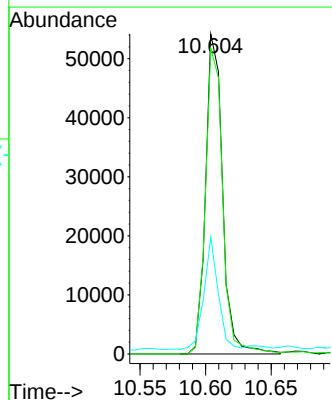
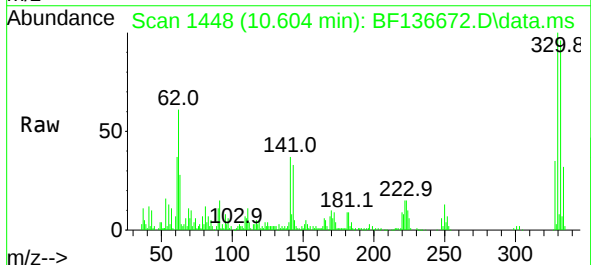
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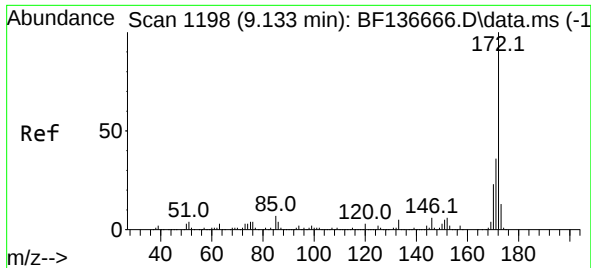
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023



#42
2,4,6-Tribromophenol
Concen: 45.695 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:330 Resp: 48933
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.0
141 29.8 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 39.474 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

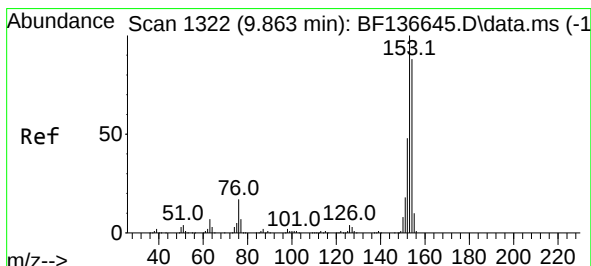
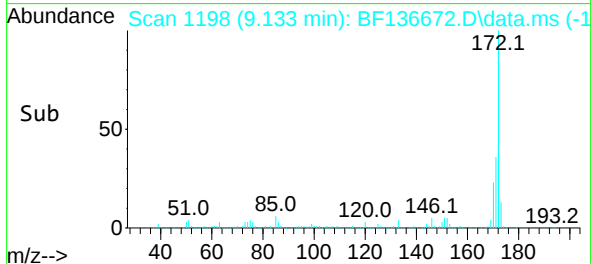
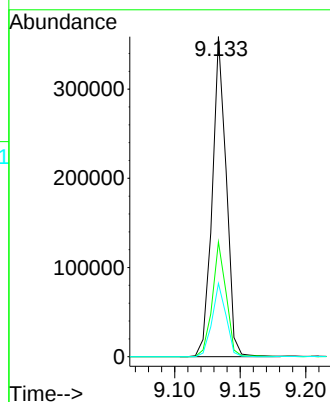
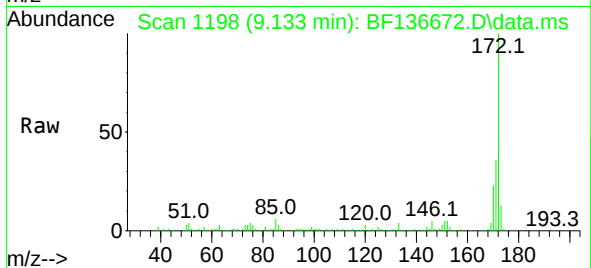
ClientSampleId :

CHRT-20017

Tgt Ion:172 Resp: 26686
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.6
170 22.9 19.0 28.4

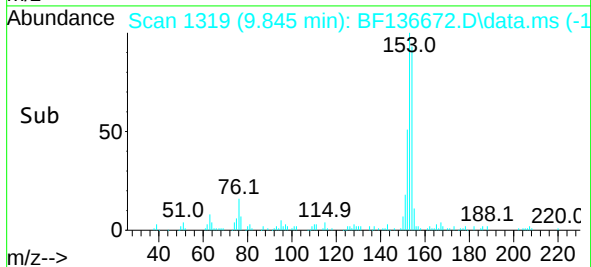
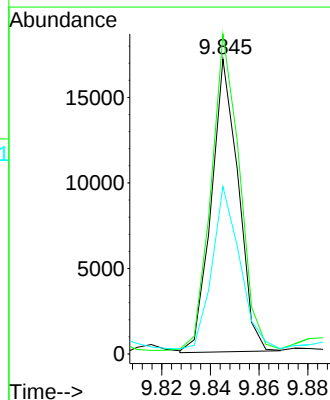
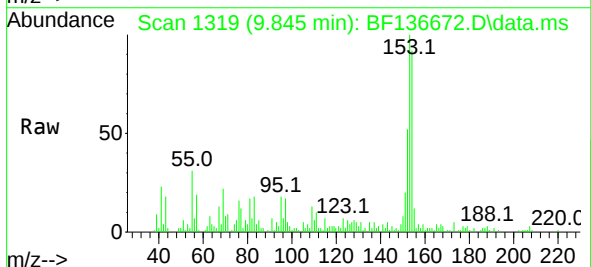
Manual Integrations
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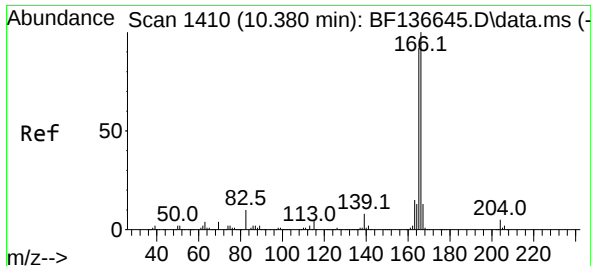
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023



#52
Acenaphthene
Concen: 2.394 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

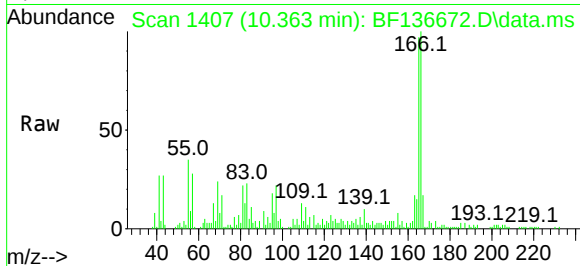
Tgt Ion:154 Resp: 13158
Ion Ratio Lower Upper
154 100
153 108.5 90.7 136.1
152 56.7 43.7 65.5





#58
Fluorene
Concen: 2.707 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

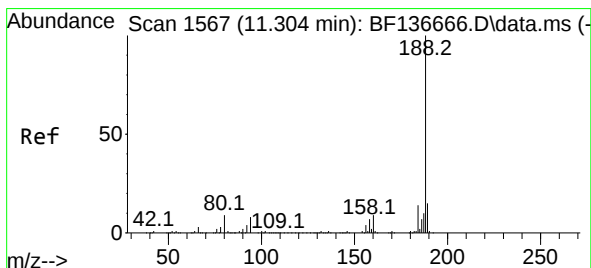
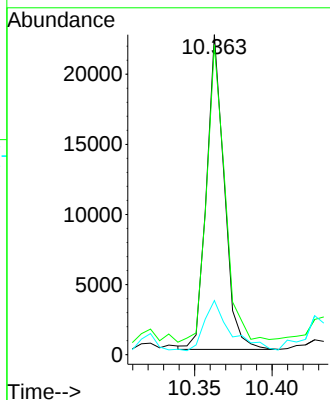
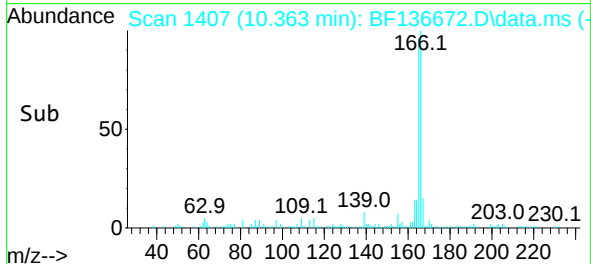
Instrument :
BNA_F
ClientSampleId :
CHRT-20017



Tgt Ion:166 Resp: 17890
Ion Ratio Lower Upper
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165 96.8 73.7 110.5
167 16.9 10.4 15.6

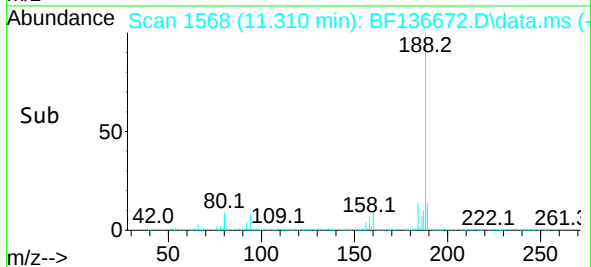
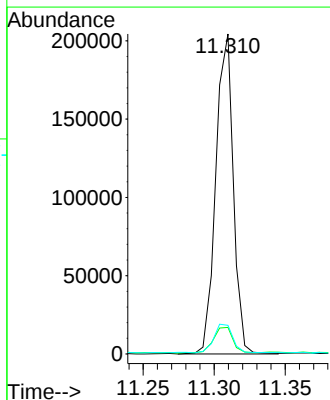
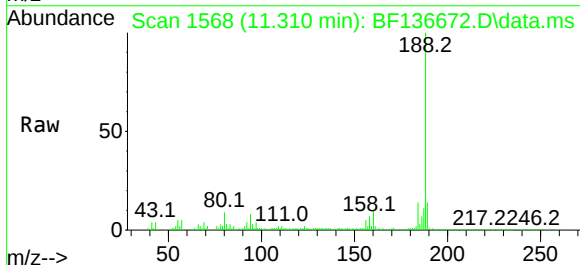
Manual Integrations
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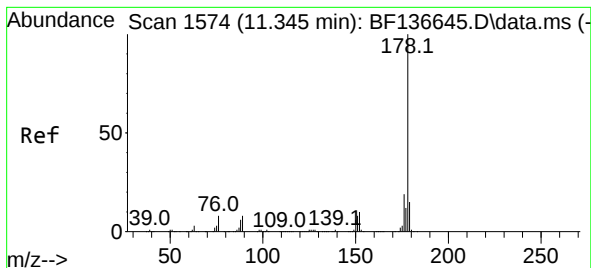
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:188 Resp: 175105
Ion Ratio Lower Upper
188 100
94 8.3 7.5 11.3
80 9.0 8.1 12.1





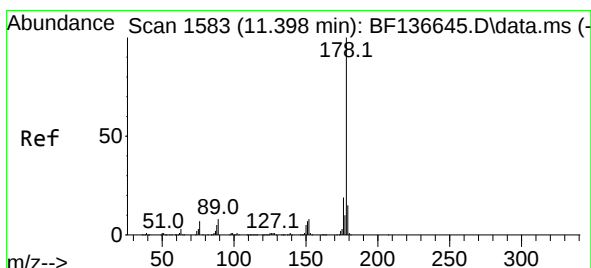
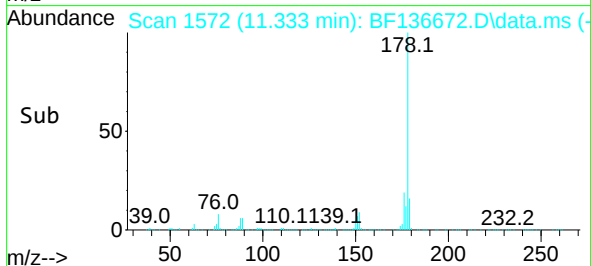
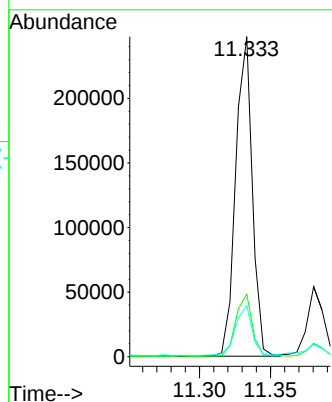
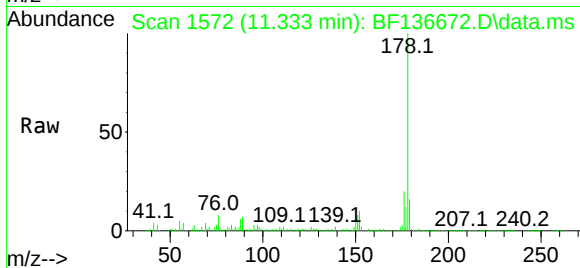
#71
Phenanthrene
Concen: 22.392 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Instrument :
BNA_F
ClientSampleId :
CHRT-20017

Tgt Ion:178 Resp: 20118
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.9 11.9 17.9

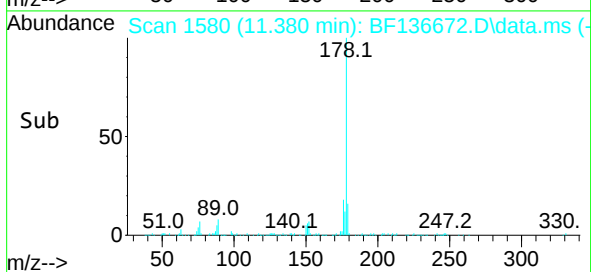
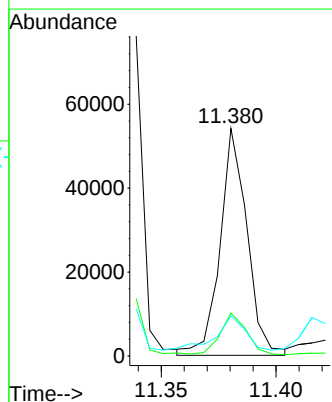
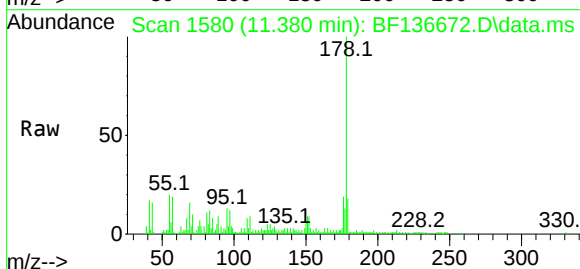
Manual Integrations
APPROVED

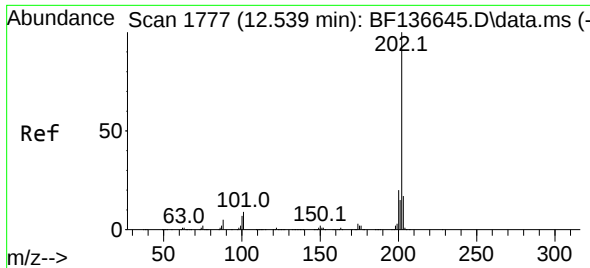
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023



#72
Anthracene
Concen: 4.854 ng m
RT: 11.380 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

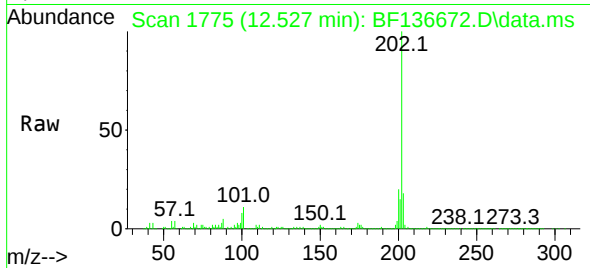
Tgt Ion:178 Resp: 44164
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 17.6 11.8 17.6#





#75
Fluoranthene
Concen: 38.453 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

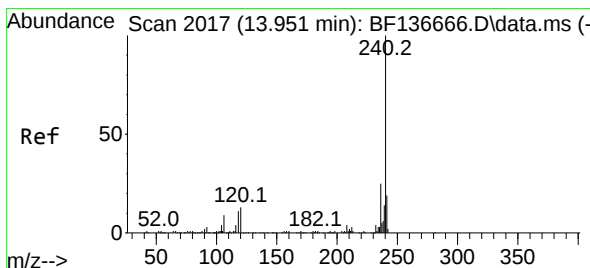
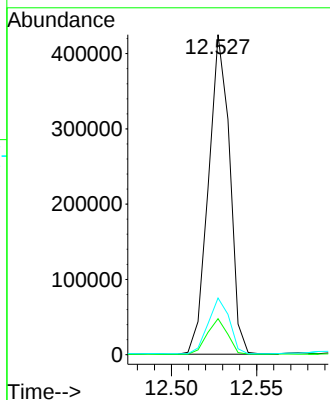
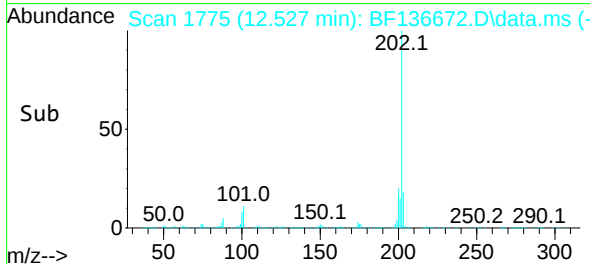
Instrument :
BNA_F
ClientSampleId :
CHRT-20017



Tgt Ion:202 Resp: 36955
Ion Ratio Lower Upper
202 100
101 11.3 0.0 29.3
203 17.7 0.0 37.1

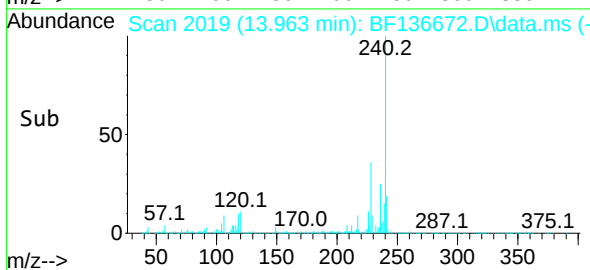
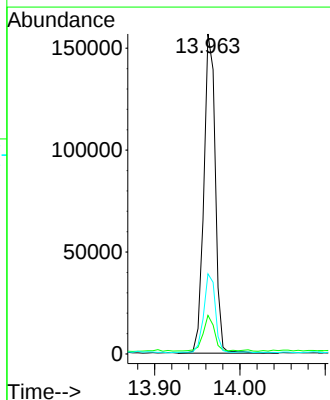
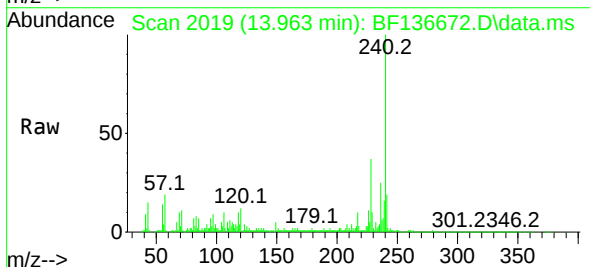
Manual Integrations
APPROVED

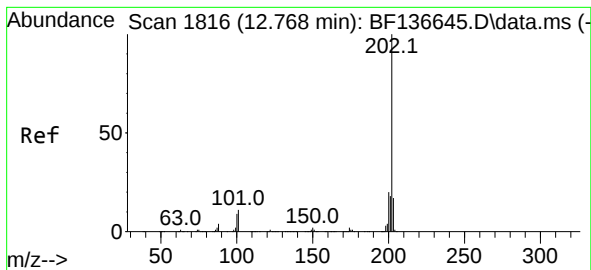
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:240 Resp: 146395
Ion Ratio Lower Upper
240 100
120 12.0 10.3 15.5
236 25.1 19.4 29.2





#78

Pyrene

Concen: 25.128 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

ClientSampleId :

CHRT-20017

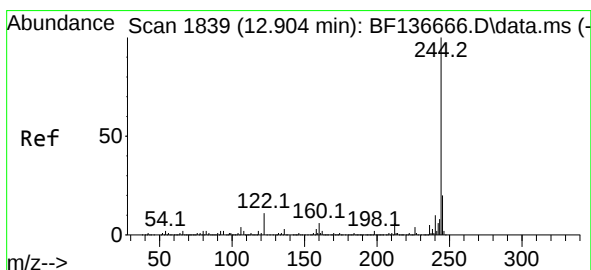
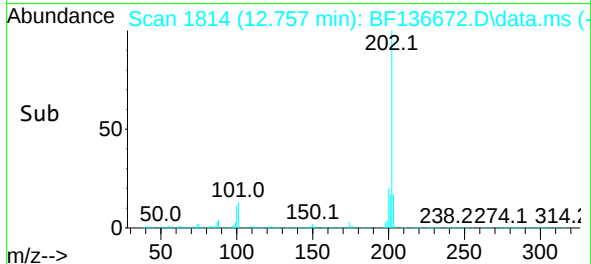
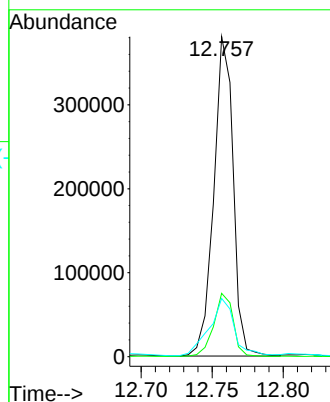
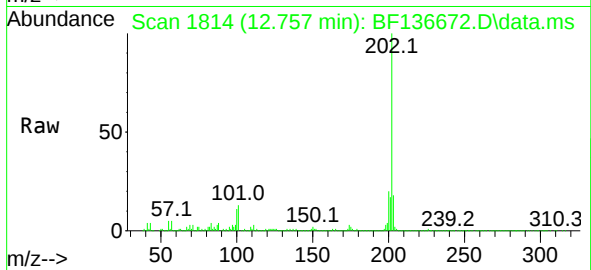
Tgt Ion:202 Resp: 36112
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.9 23.9
 203 18.2 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/22/2023

Supervised By :mohammad ahmed 12/22/2023



#79

Terphenyl-d14

Concen: 29.387 ng

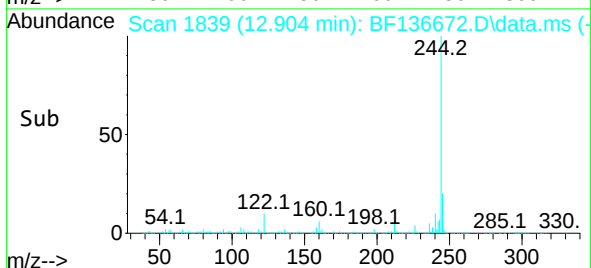
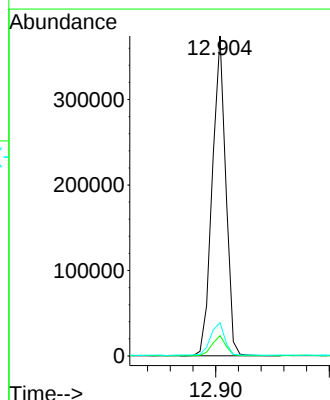
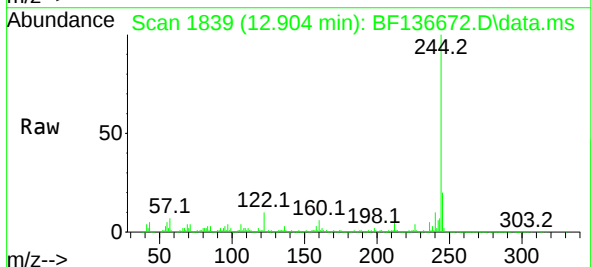
RT: 12.904 min Scan# 1839

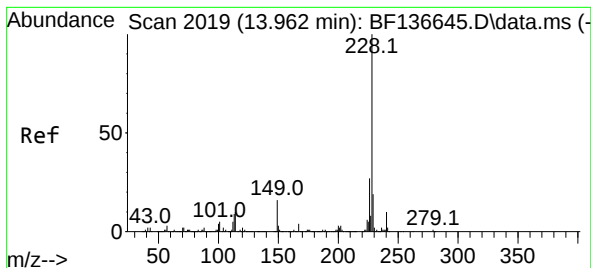
Delta R.T. -0.012 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

Tgt Ion:244 Resp: 307854
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 10.4 9.0 13.4





#81

Benzo(a)anthracene

Concen: 14.847 ng

RT: 13.957 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

ClientSampleId :

CHRT-20017

Tgt Ion:228 Resp: 150929

Ion Ratio Lower Upper

228 100

226 28.6 21.4 32.0

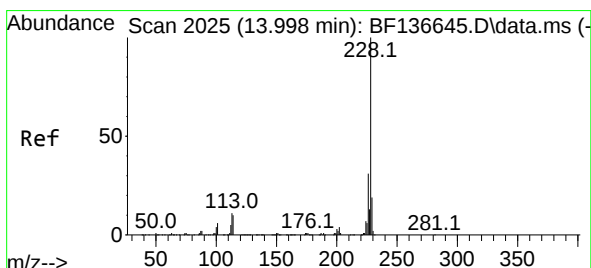
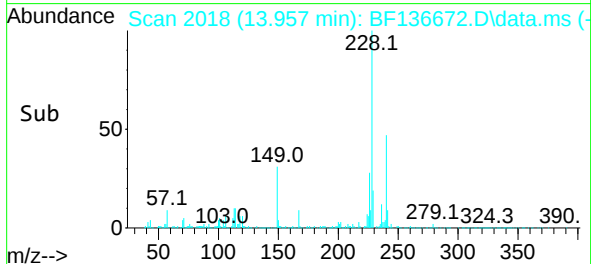
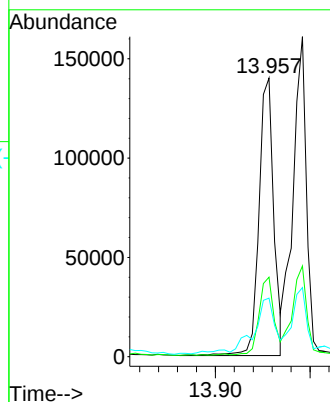
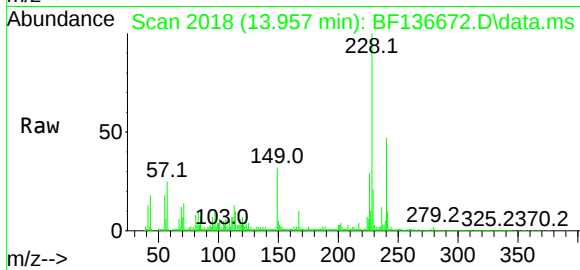
229 21.0 14.9 22.3

Manual Integrations

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Reviewed By :Yogesh Patel 12/22/2023

Supervised By :mohammad ahmed 12/22/2023



#83

Chrysene

Concen: 16.004 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

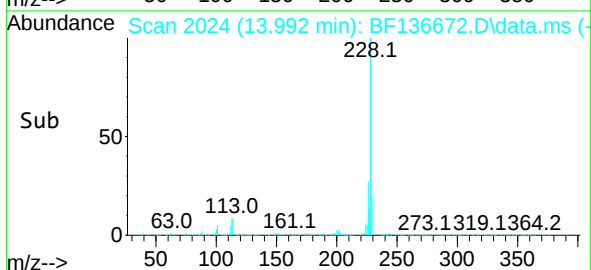
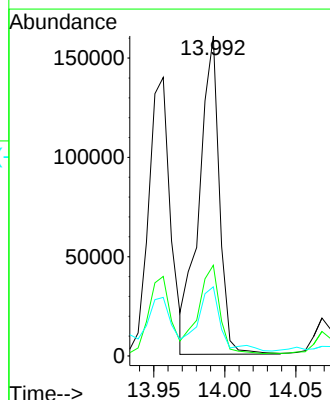
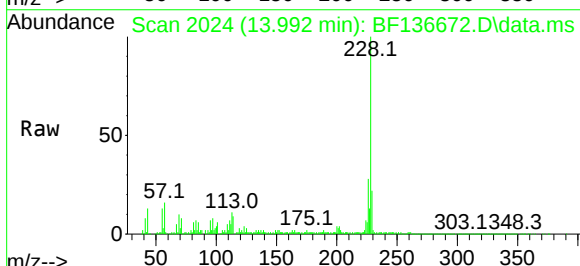
Tgt Ion:228 Resp: 159091

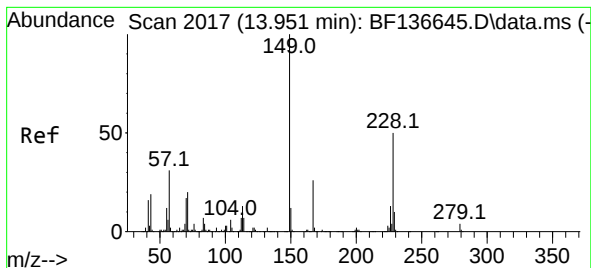
Ion Ratio Lower Upper

228 100

226 28.4 24.7 37.1

229 21.6 15.4 23.0





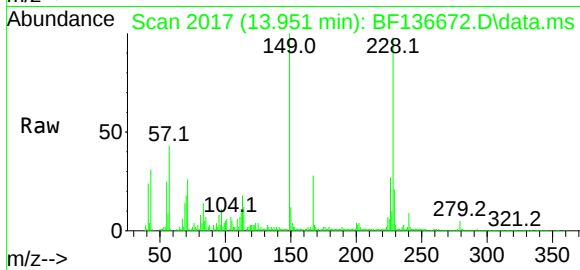
#84
Bis(2-ethylhexyl)phthalate
Concen: 18.354 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

ClientSampleId :

CHRT-20017

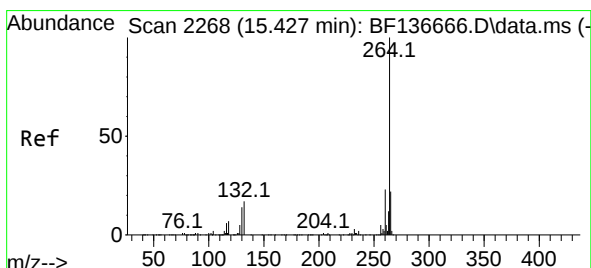
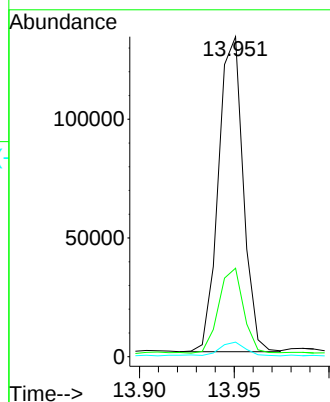
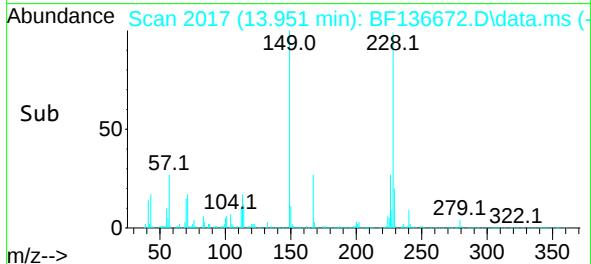


Tgt Ion:149 Resp: 120758
Ion Ratio Lower Upper
149 100
167 27.6 20.9 31.3
279 4.6 2.9 4.3

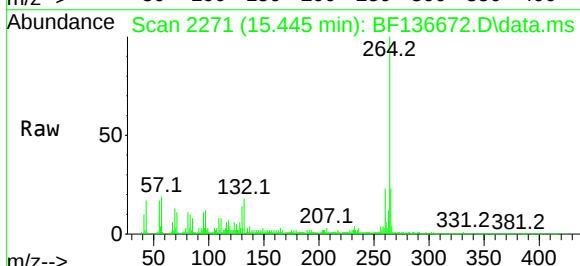
Manual Integrations

APPROVED

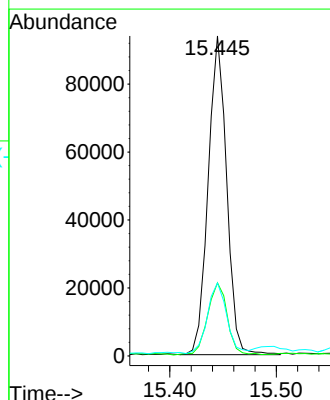
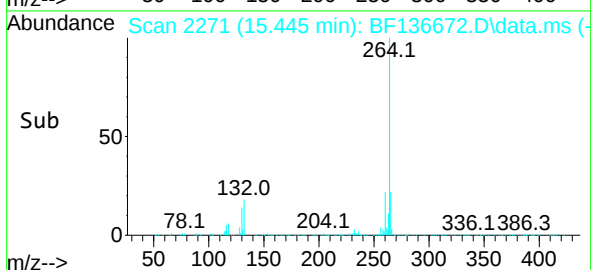
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023

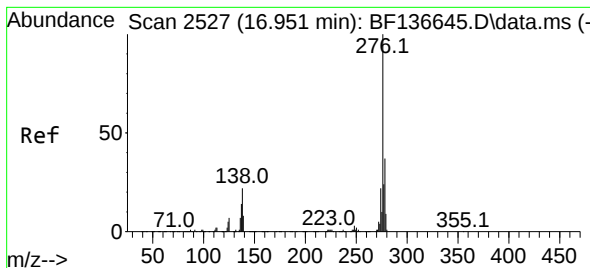


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46



Tgt Ion:264 Resp: 112891
Ion Ratio Lower Upper
264 100
260 22.9 18.3 27.5
265 22.8 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.282 ng
RT: 16.939 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

ClientSampleId :

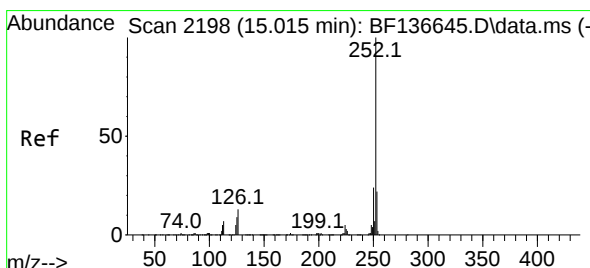
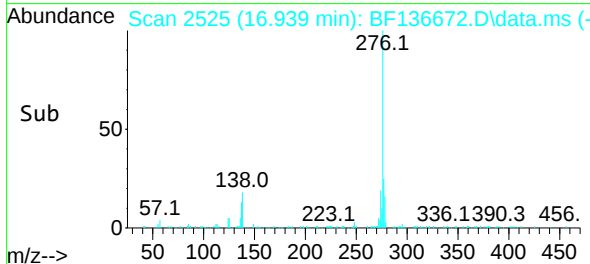
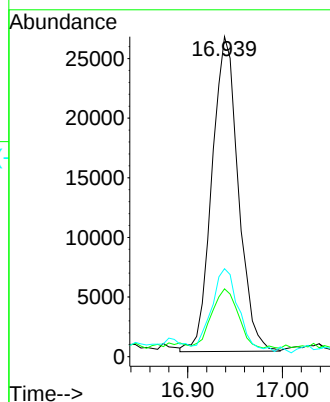
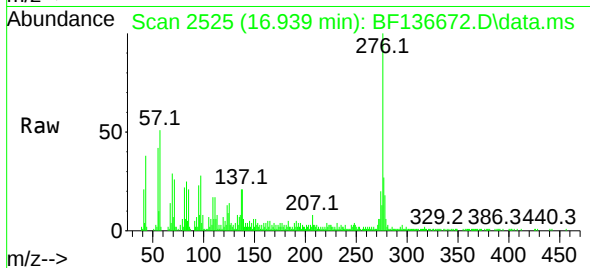
CHRT-20017

Tgt Ion:276 Resp: 5120
Ion Ratio Lower Upper
276 100
138 19.4 18.7 28.1
277 26.9 20.2 30.2

Manual Integrations

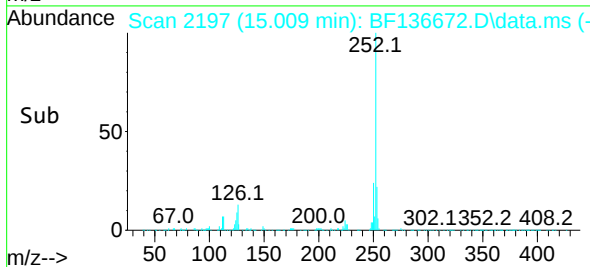
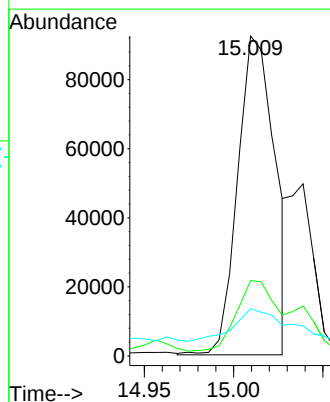
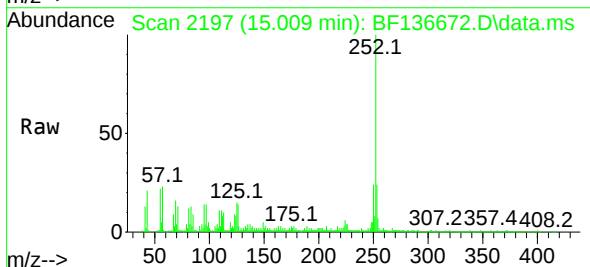
APPROVED

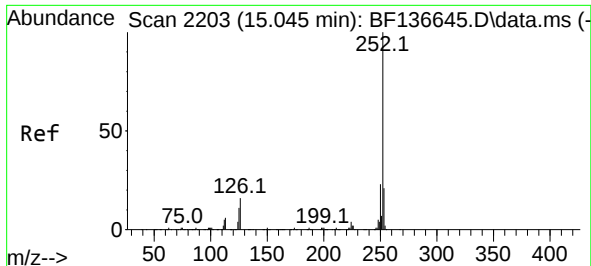
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023



#88
Benzo(b)fluoranthene
Concen: 17.774 ng m
RT: 15.009 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:252 Resp: 134021
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 14.8 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 6.743 ng m

RT: 15.039 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

ClientSampleId :

CHRT-20017

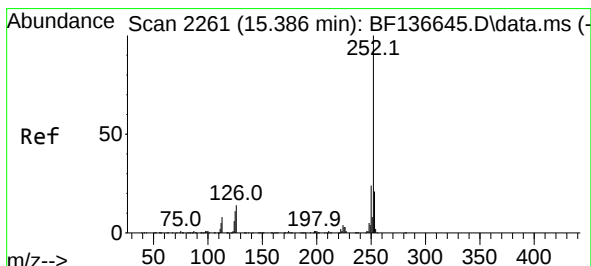
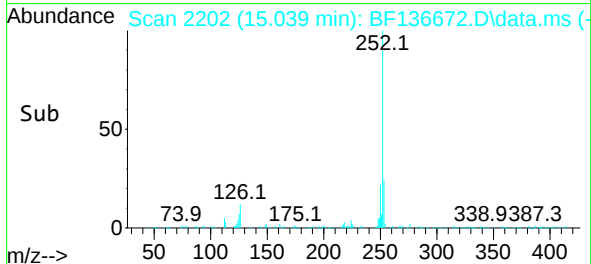
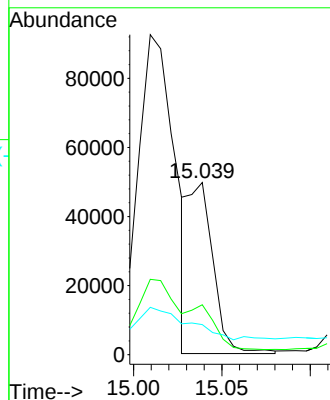
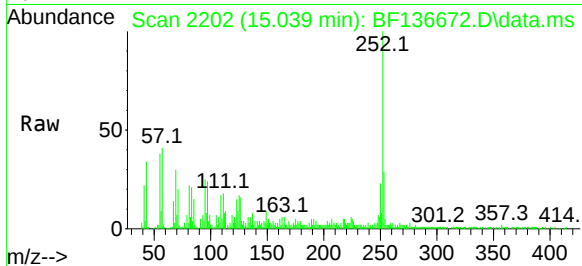
Tgt Ion:252 Resp: 4804
 Ion Ratio Lower Upper
 252 100
 253 29.0 17.0 25.6
 125 17.5 8.2 12.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/22/2023

Supervised By :mohammad ahmed 12/22/2023



#90

Benzo(a)pyrene

Concen: 14.403 ng

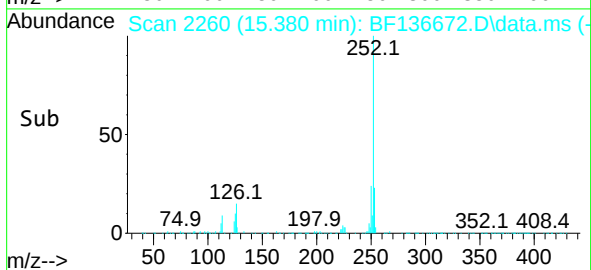
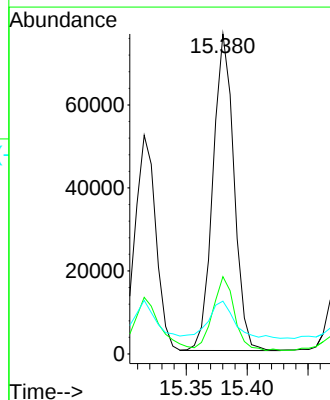
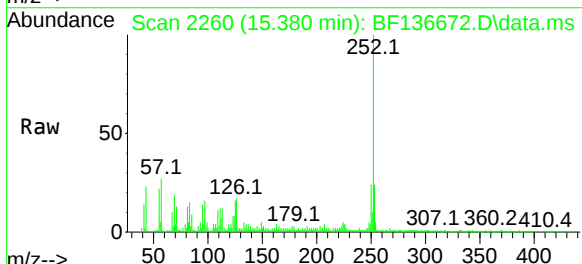
RT: 15.380 min Scan# 2260

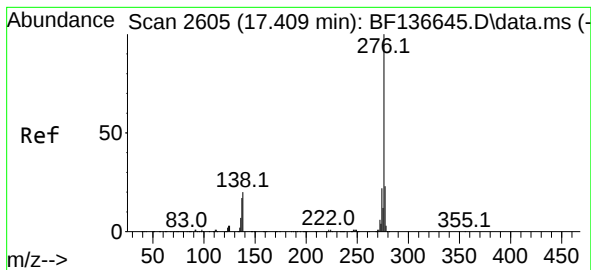
Delta R.T. -0.006 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

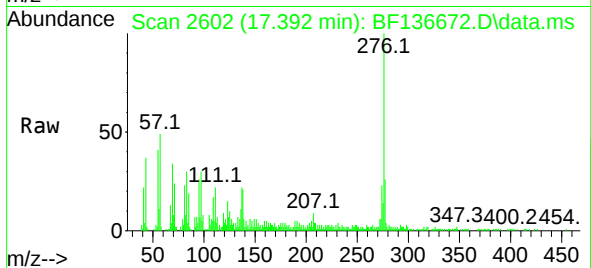
Tgt Ion:252 Resp: 91670
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.0 25.6
 125 16.5 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 7.219 ng
 RT: 17.392 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF136672.D
 Acq: 21 Dec 2023 16:46

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20017



Tgt Ion: 276 Resp: 49440

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.3	27.5
138	20.9	15.6	23.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/22/2023
 Supervised By :mohammad ahmed 12/22/2023

