

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122123\
 Data File : BF136670.D
 Acq On : 21 Dec 2023 15:43
 Operator : CG\JU
 Sample : 05832-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20103

Manual Integrations
 APPROVED

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

Quant Time: Dec 21 16:11:26 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	68108	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	231184	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	92237	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	160732	20.000	ng	0.00
76) Chrysene-d12	13.968	240	130948	20.000	ng	0.00
86) Perylene-d12	15.457	264	121133	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	363600	83.297	ng	0.00
7) Phenol-d6	6.422	99	435082	76.922	ng	-0.02
23) Nitrobenzene-d5	7.340	82	261809	57.950	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	81880	75.375	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	448628	65.418	ng	-0.02
79) Terphenyl-d14	12.910	244	428517	45.731	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	28254	3.426	ng	# 91
75) Fluoranthene	12.527	202	69346	7.861	ng	95
78) Pyrene	12.757	202	53460	4.159	ng	97
81) Benzo(a)anthracene	13.963	228	22675m	2.494	ng	
83) Chrysene	13.998	228	29430	3.310	ng	93
84) Bis(2-ethylhexyl)phtha...	13.957	149	124543	21.162	ng	94
88) Benzo(b)fluoranthene	15.021	252	34150m	4.221	ng	

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

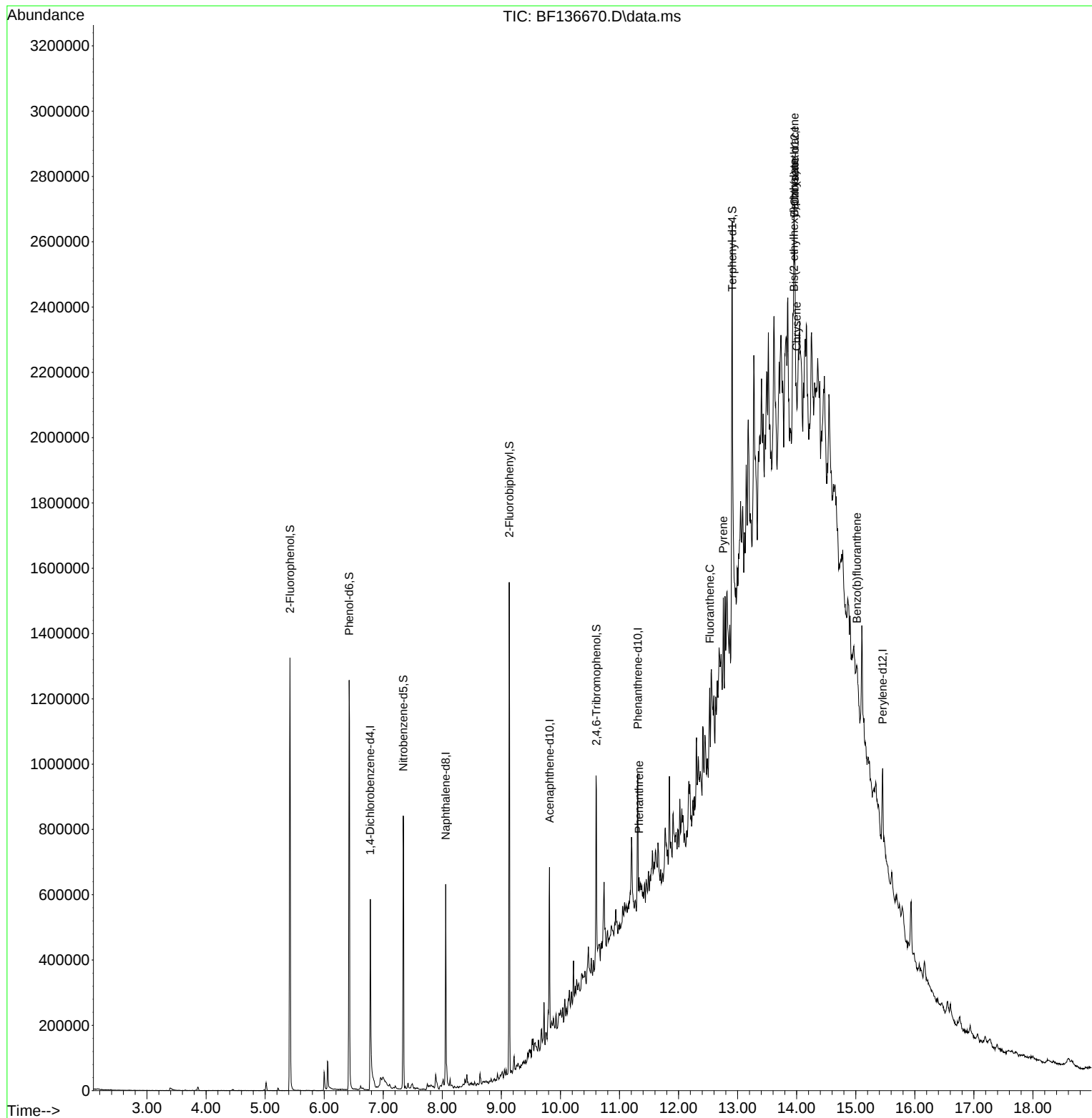
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122123\
Data File : BF136670.D
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Operator : CG\JU
Sample : 05832-01
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ALS Vial : 12 Sample Multiplier: 1

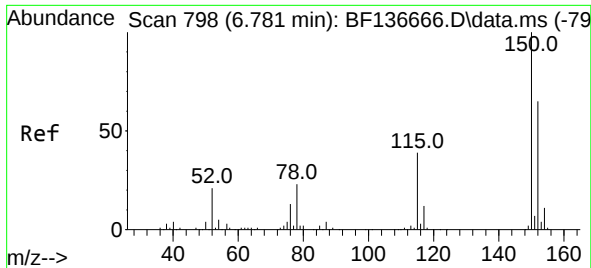
Instrument :
BNA_F
ClientSampleId :
CHRT-20103

Quant Time: Dec 21 16:11:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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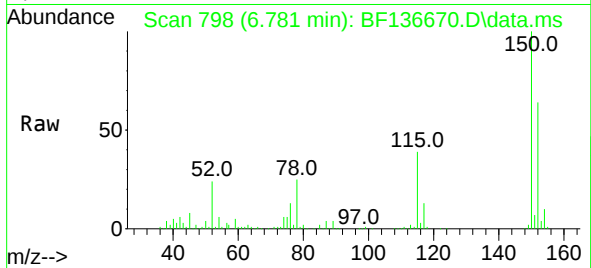
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CHRT-20103

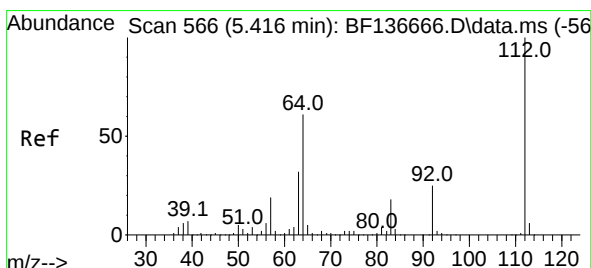
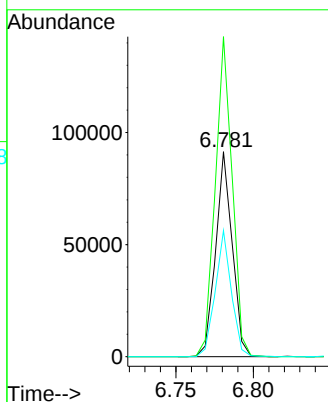
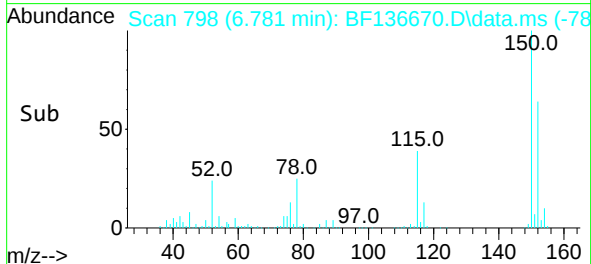


Tgt Ion:152 Resp: 68100
Ion Ratio Lower Upper
152 100
150 156.2 127.0 190.6
115 61.5 49.0 73.4

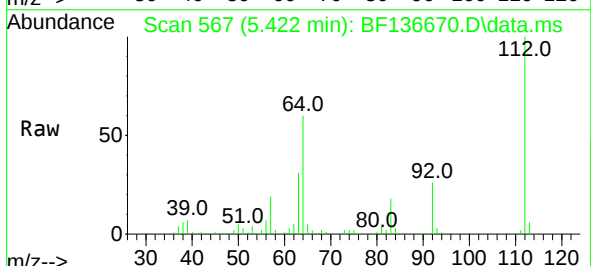
Manual Integrations

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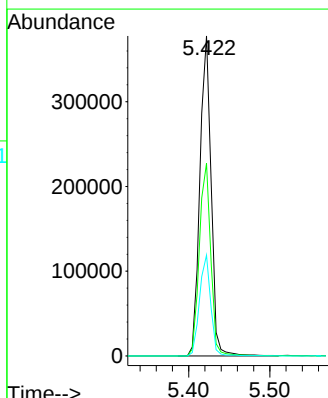
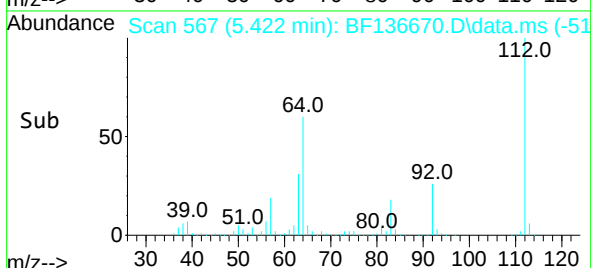
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023

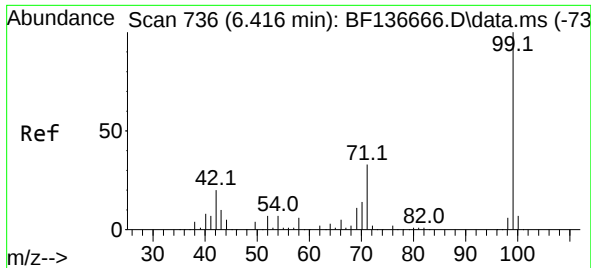


#5
2-Fluorophenol
Concen: 83.297 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43



Tgt Ion:112 Resp: 363600
Ion Ratio Lower Upper
112 100
64 60.2 51.1 76.7
63 31.5 26.1 39.1





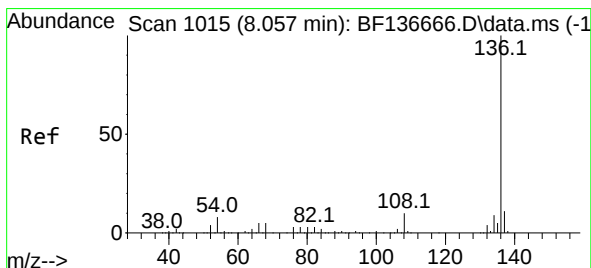
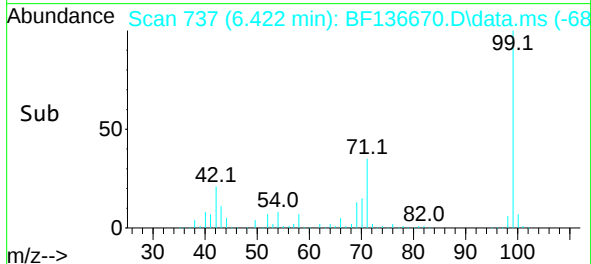
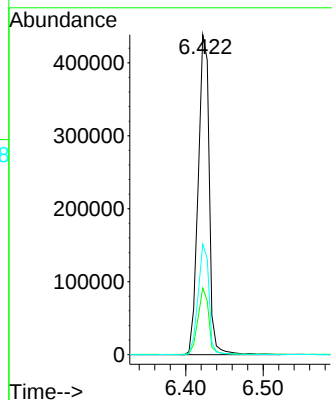
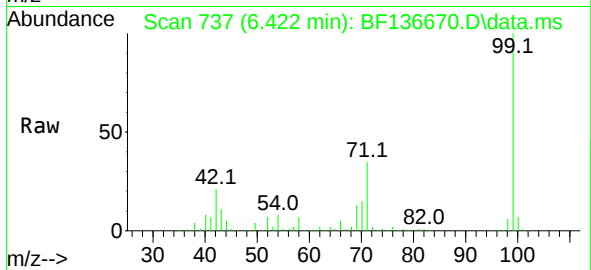
#7
Phenol-d6
Concen: 76.922 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Instrument :
BNA_F
ClientSampleId :
CHRT-20103

Tgt Ion: 99 Resp: 43508
Ion Ratio Lower Upper
99 100
42 20.9 16.1 24.1
71 34.6 27.4 41.2

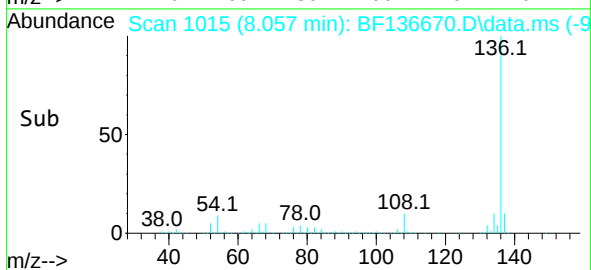
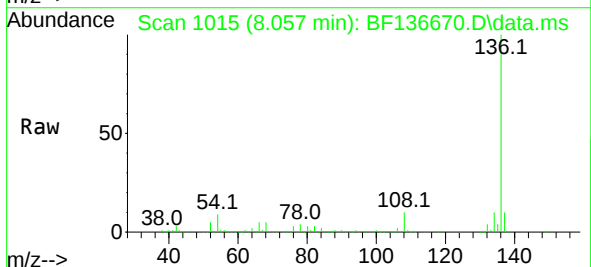
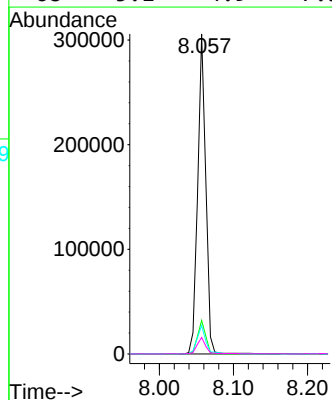
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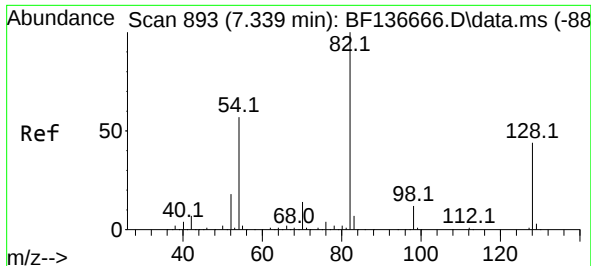
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Tgt Ion:136 Resp: 231184
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 8.9 7.2 10.8
68 5.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 57.950 ng

RT: 7.340 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF136670.D

Acq: 21 Dec 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CHRT-20103

Tgt Ion: 82 Resp: 261809

Ion Ratio Lower Upper

82 100

128 42.9 35.3 52.9

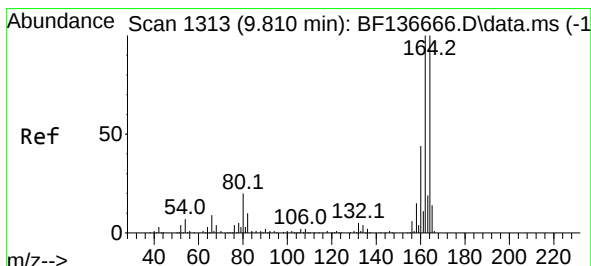
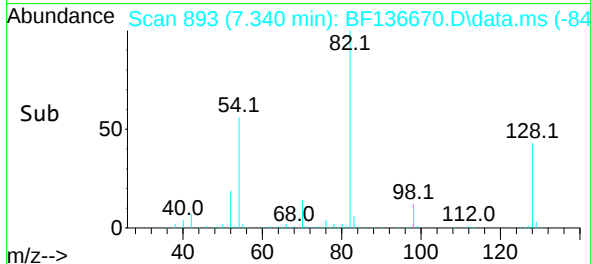
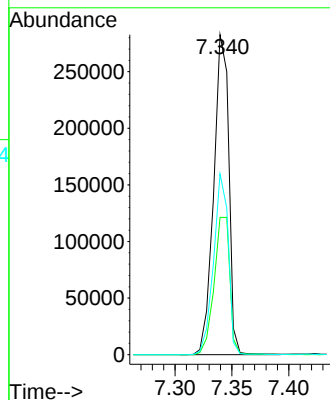
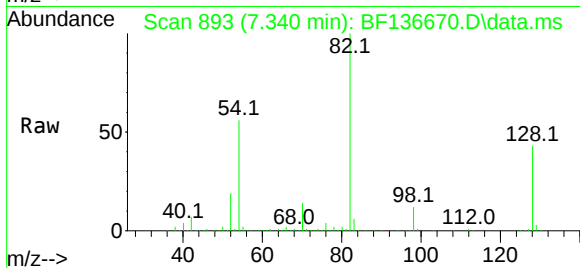
54 56.5 44.5 66.7

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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: BF136670.D

Acq: 21 Dec 2023 15:43

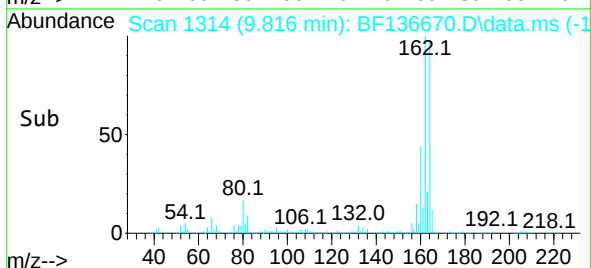
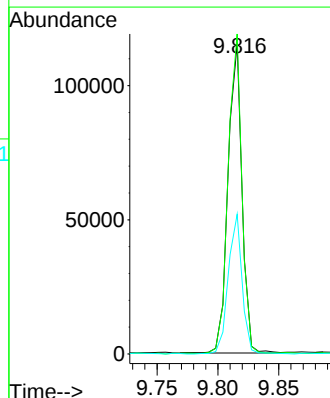
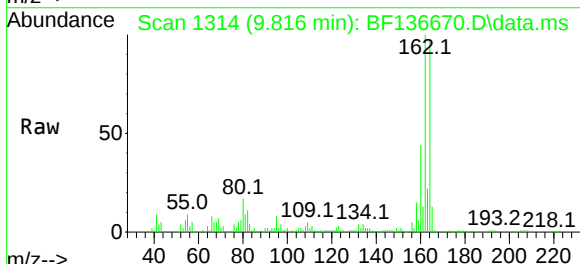
Tgt Ion:164 Resp: 92237

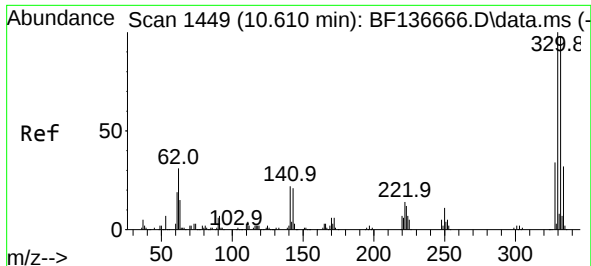
Ion Ratio Lower Upper

164 100

162 103.1 81.6 122.4

160 45.0 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 75.375 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Instrument :

BNA_F

ClientSampleId :

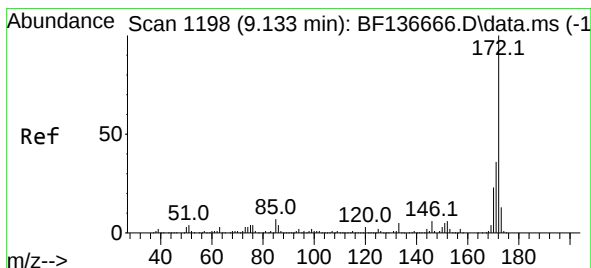
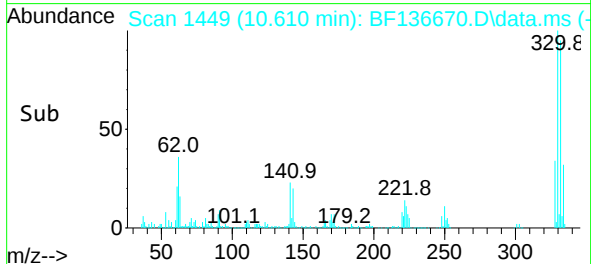
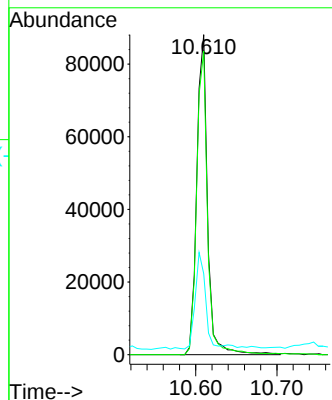
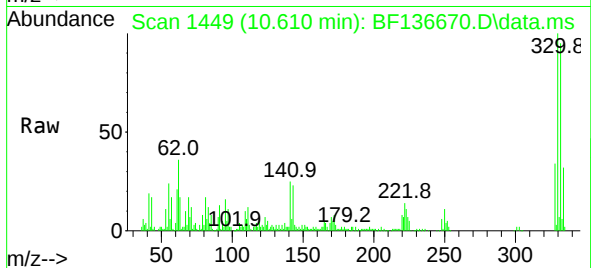
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Tgt Ion:330 Resp: 81880
Ion Ratio Lower Upper
330 100
332 95.2 77.4 116.0
141 28.2 23.4 35.2

Manual Integrations

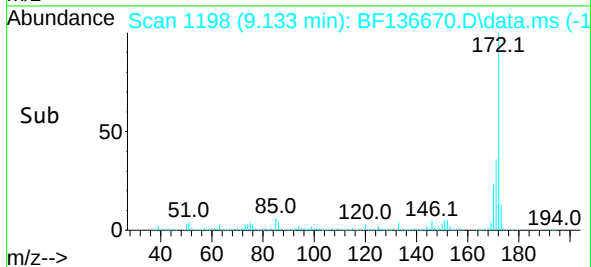
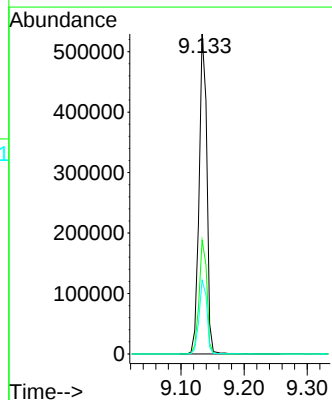
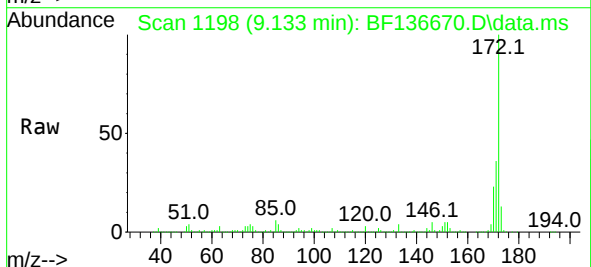
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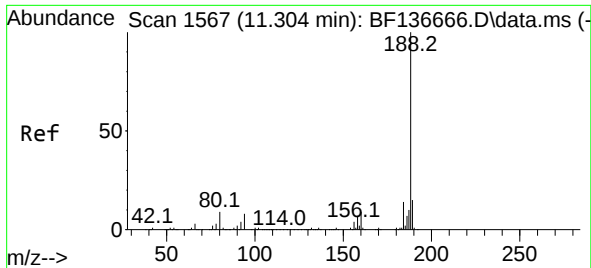
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023



#45
2-Fluorobiphenyl
Concen: 65.418 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Tgt Ion:172 Resp: 448628
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.6
170 23.1 19.0 28.4





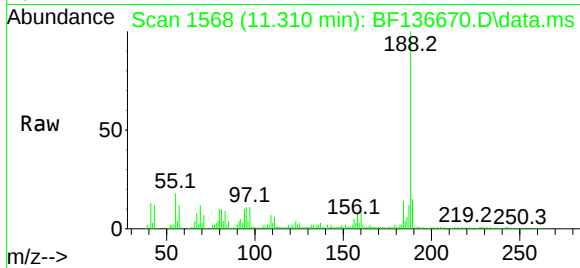
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CHRT-20103

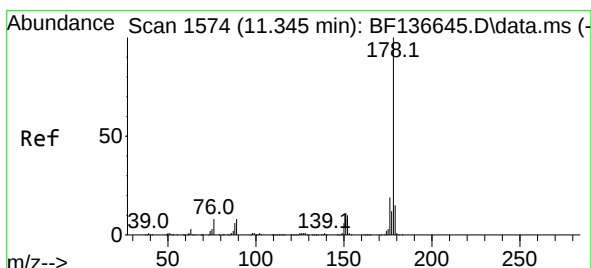
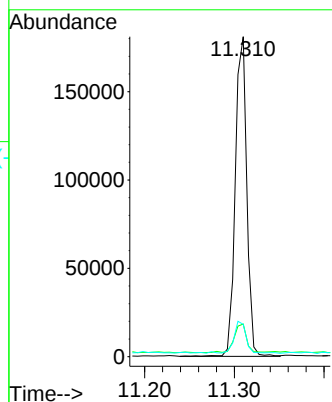
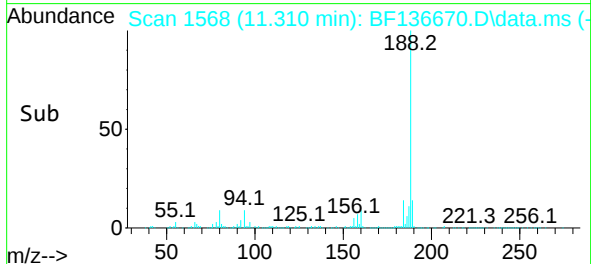


Tgt Ion:188 Resp: 16073
Ion Ratio Lower Upper
188 100
94 10.2 7.5 11.3
80 10.1 8.1 12.1

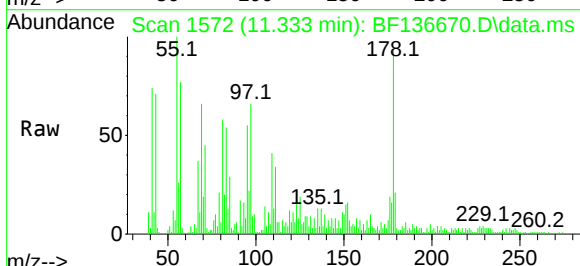
Manual Integrations

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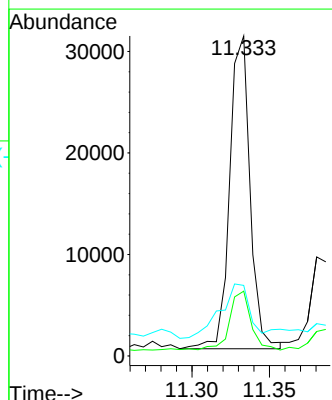
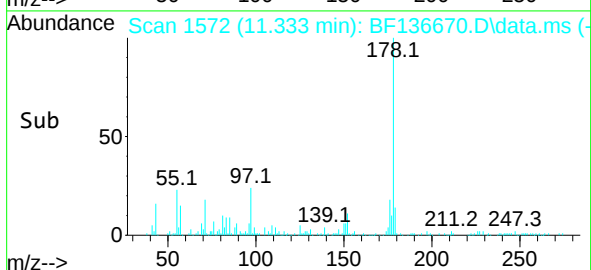
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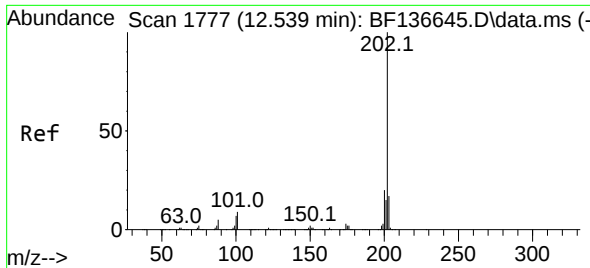


#71
Phenanthrene
Concen: 3.426 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43



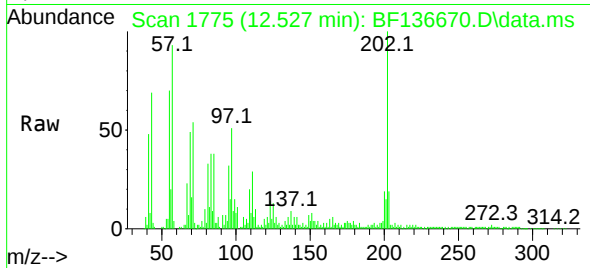
Tgt Ion:178 Resp: 28254
Ion Ratio Lower Upper
178 100
176 20.3 15.3 22.9
179 22.0 11.9 17.9#





#75
Fluoranthene
Concen: 7.861 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

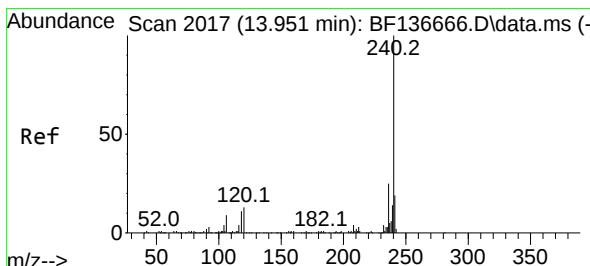
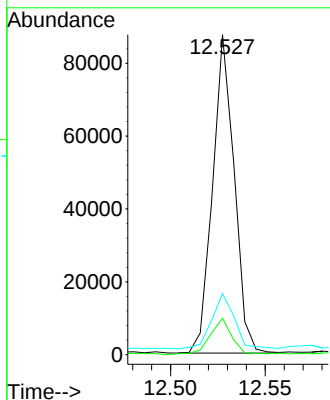
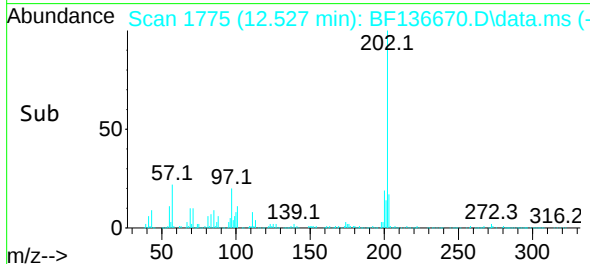
Instrument :
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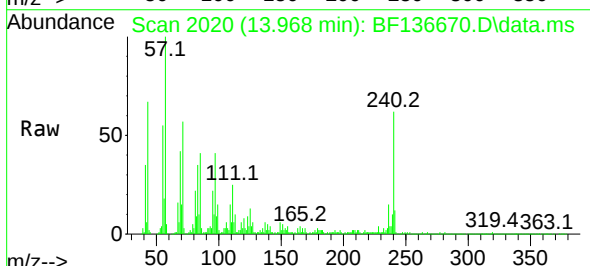
Tgt Ion:202 Resp: 69340
Ion Ratio Lower Upper
202 100
101 11.4 0.0 29.3
203 19.1 0.0 37.1

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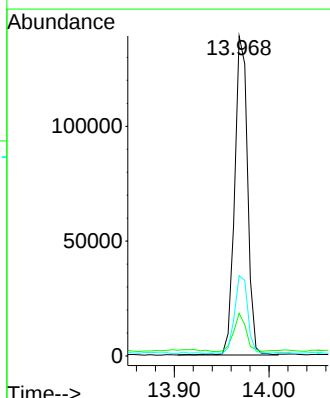
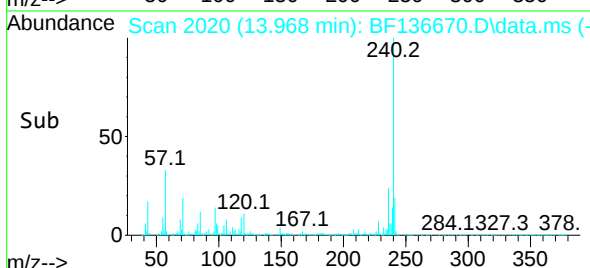
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023

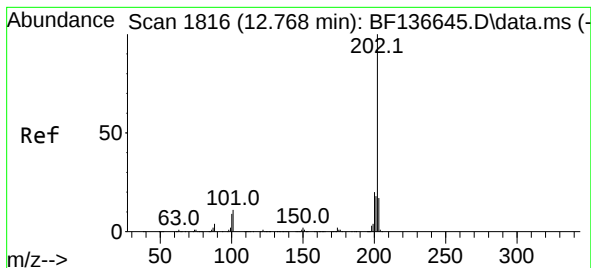


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43



Tgt Ion:240 Resp: 130948
Ion Ratio Lower Upper
240 100
120 13.3 10.3 15.5
236 25.1 19.4 29.2





#78

Pyrene

Concen: 4.159 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136670.D

Acq: 21 Dec 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CHRT-20103

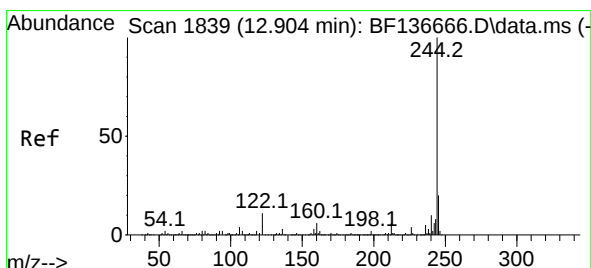
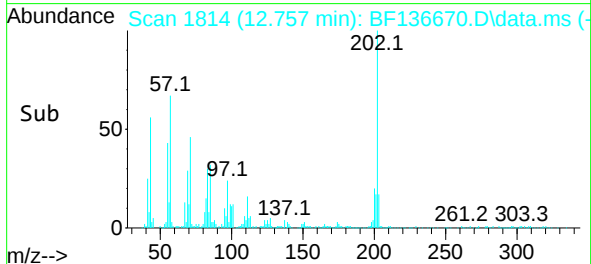
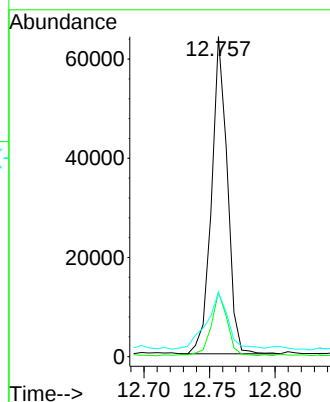
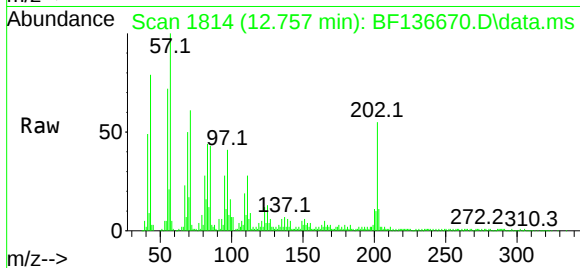
Tgt Ion:	202	Resp:	53460
Ion Ratio	Lower	Upper	
202	100		
200	20.2	15.9	23.9
203	20.0	13.8	20.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/22/2023

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#79

Terphenyl-d14

Concen: 45.731 ng

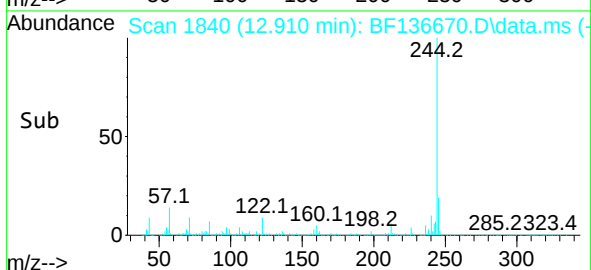
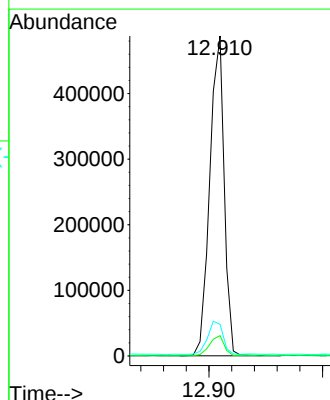
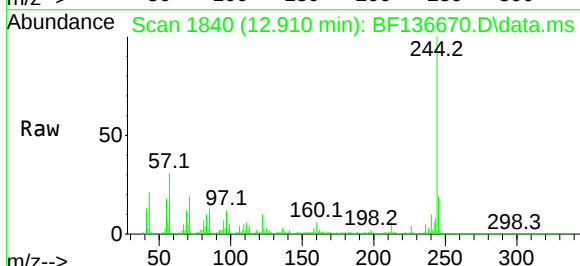
RT: 12.910 min Scan# 1840

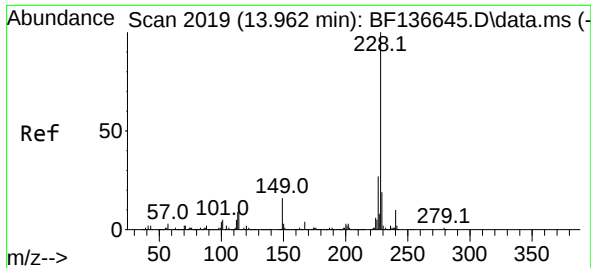
Delta R.T. -0.006 min

Lab File: BF136670.D

Acq: 21 Dec 2023 15:43

Tgt Ion:	244	Resp:	428517
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.0	7.4
122	9.9	9.0	13.4





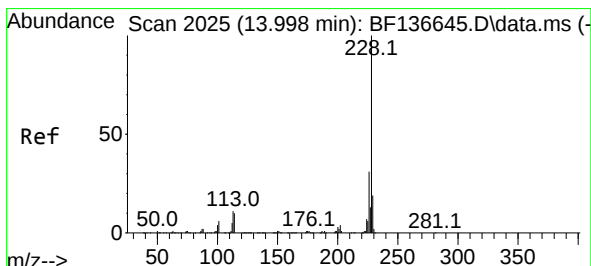
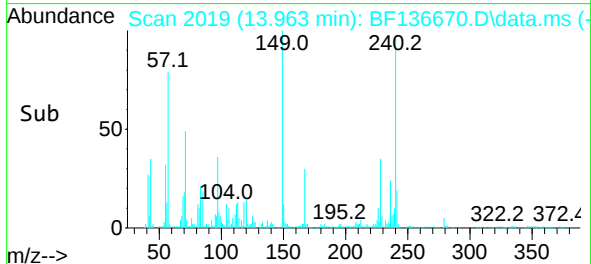
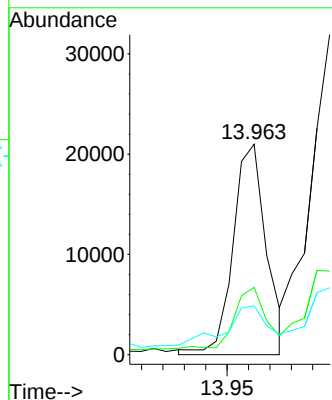
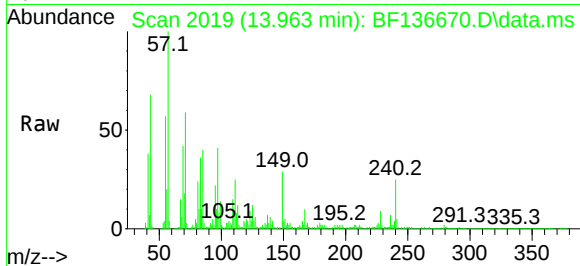
#81
Benzo(a)anthracene
Concen: 2.494 ng m
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Instrument :
BNA_F
ClientSampleId :
CHRT-20103

Tgt Ion:228 Resp: 2267
Ion Ratio Lower Upper
228 100
226 32.0 21.4 32.0
229 23.3 14.9 22.3

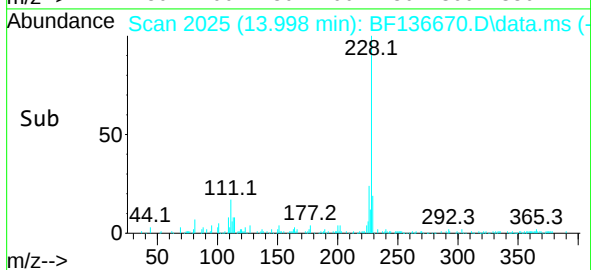
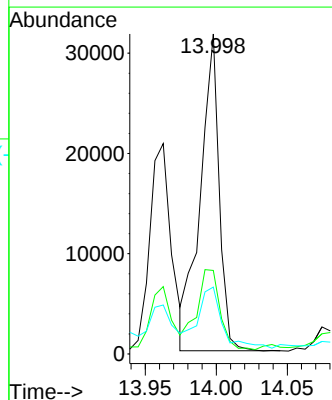
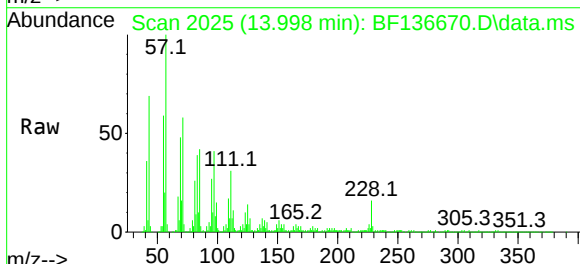
Manual Integrations
APPROVED

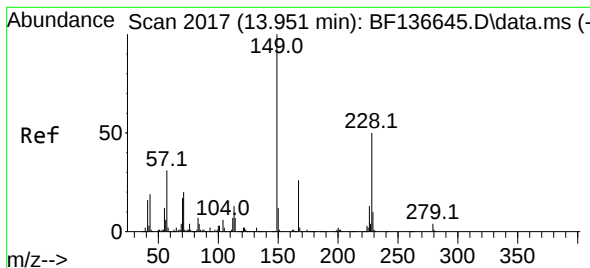
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023



#83
Chrysene
Concen: 3.310 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

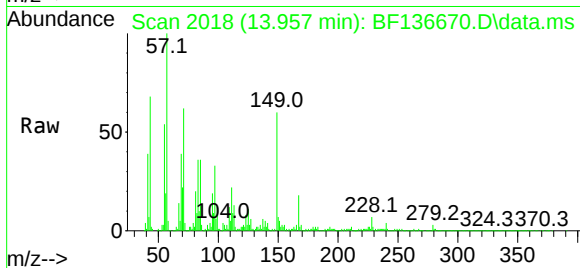
Tgt Ion:228 Resp: 29430
Ion Ratio Lower Upper
228 100
226 26.1 24.7 37.1
229 20.9 15.4 23.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 21.162 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

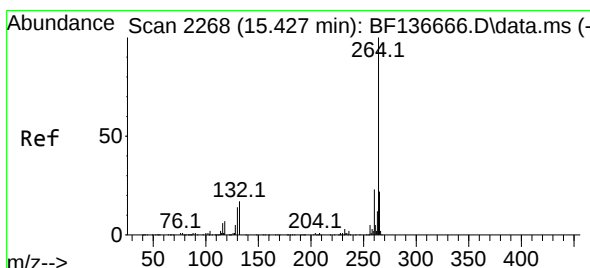
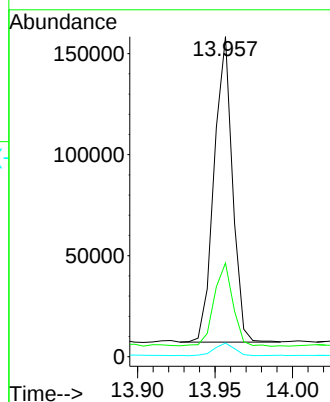
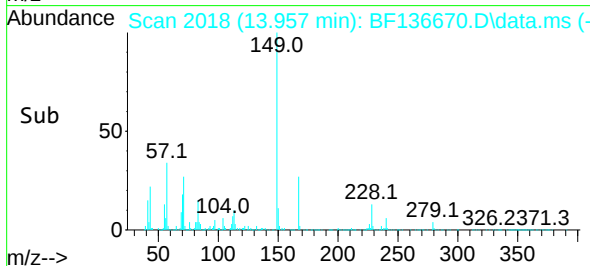
Instrument :
BNA_F
ClientSampleId :
CHRT-20103



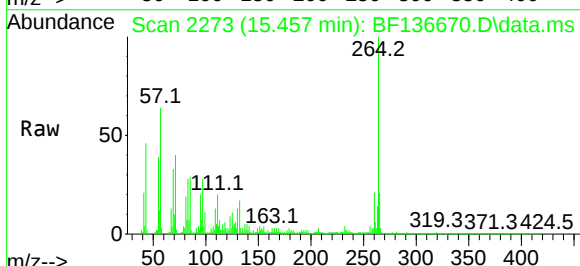
Tgt Ion:149 Resp: 12454
Ion Ratio Lower Upper
149 100
167 29.3 20.9 31.3
279 4.2 2.9 4.3

Manual Integrations
APPROVED

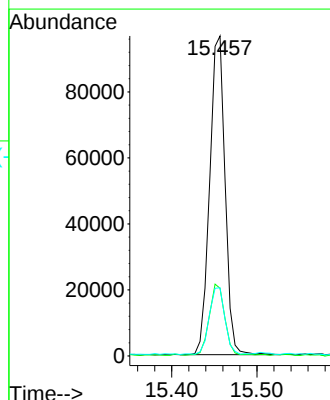
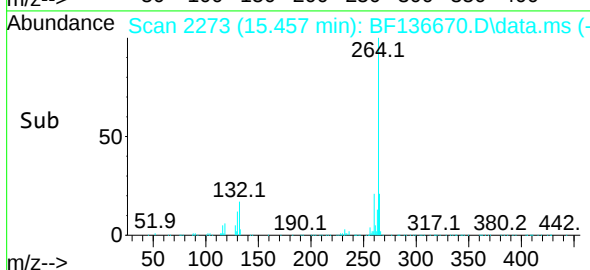
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/22/2023

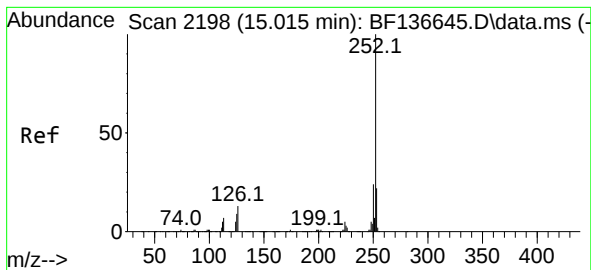


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.012 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43



Tgt Ion:264 Resp: 121133
Ion Ratio Lower Upper
264 100
260 21.2 18.3 27.5
265 21.3 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 4.221 ng m

RT: 15.021 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136670.D

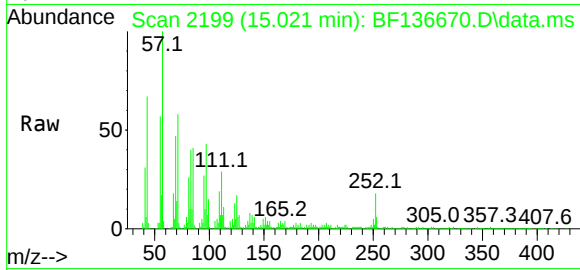
Acq: 21 Dec 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CHRT-20103



Tgt Ion:252 Resp: 34150

Ion Ratio Lower Upper

252 100

253 30.5 17.4 26.0

125 93.0 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/22/2023

Supervised By :mohammad ahmed 12/22/2023

