

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134813.D
 Acq On : 16 Aug 2023 17:32
 Operator : CG\JU
 Sample : 04023-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP11

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023

Quant Time: Aug 17 01:35:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	153658	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	573206	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	247022	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	370250	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	253976	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	201825	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	794585	78.606	ng	0.00
7) Phenol-d6	6.434	99	976466	75.568	ng	0.00
23) Nitrobenzene-d5	7.363	82	590318	64.358	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	199721	79.312	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1078477	72.592	ng	0.00
79) Terphenyl-d14	12.922	244	980438	68.053	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	149366	7.595	ng	98
72) Anthracene	11.398	178	43794	2.180	ng	98
75) Fluoranthene	12.545	202	536103	25.807	ng	97
78) Pyrene	12.775	202	996355	45.336	ng	98
81) Benzo(a)anthracene	13.969	228	470029	25.882	ng	96
83) Chrysene	14.004	228	456549	25.804	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	25789	2.949	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	126131	10.626	ng	# 95
88) Benzo(b)fluoranthene	15.016	252	319262m	25.937	ng	
89) Benzo(k)fluoranthene	15.045	252	62823m	5.123	ng	
90) Benzo(a)pyrene	15.386	252	265779	23.158	ng	# 97
91) Dibenzo(a,h)anthracene	16.957	278	33786	3.522	ng	# 85
92) Benzo(g,h,i)perylene	17.398	276	153357	15.672	ng	# 93

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

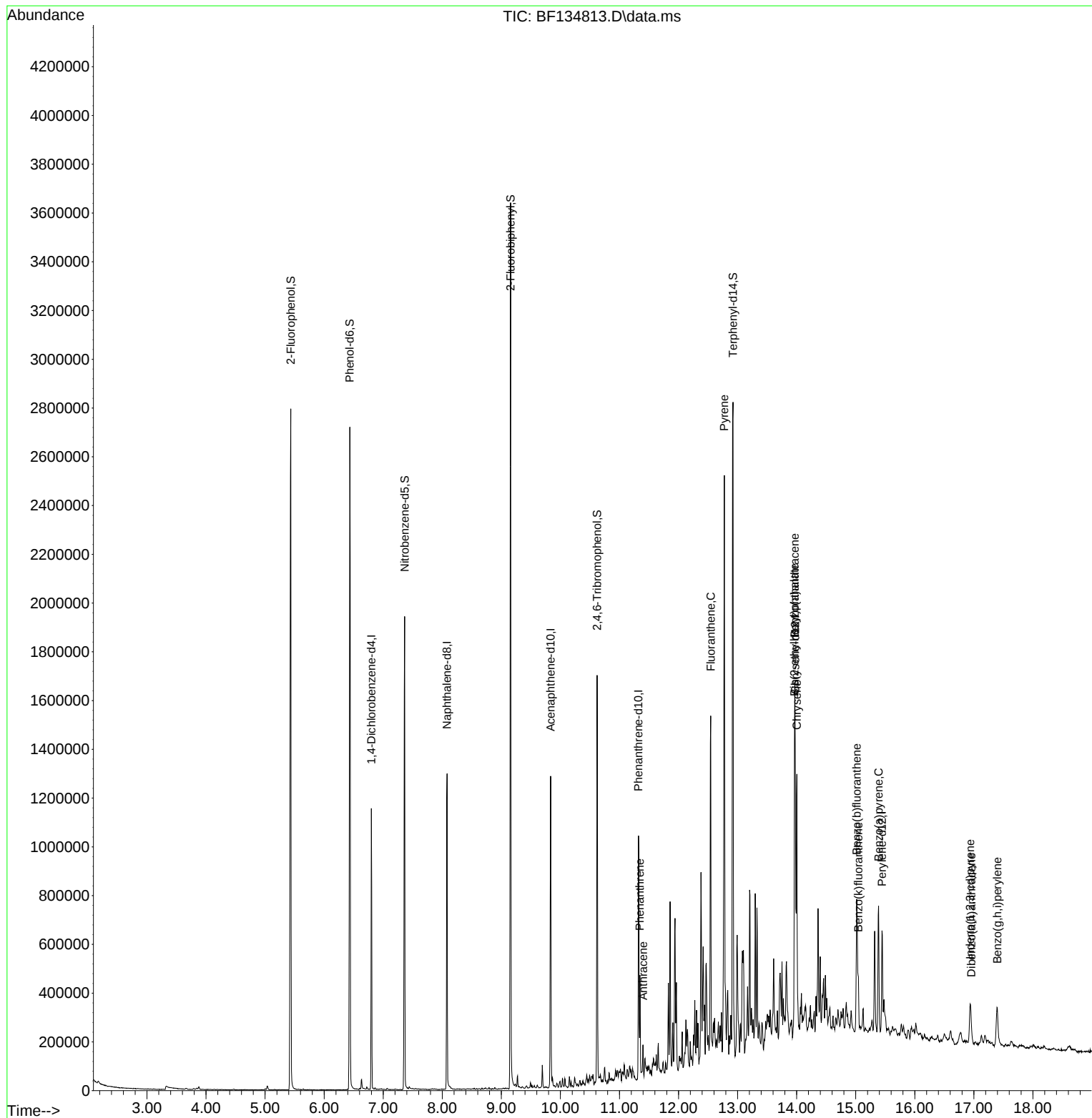
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
Data File : BF134813.D
Acq On : 16 Aug 2023 17:32
Operator : CG\JU
Sample : 04023-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

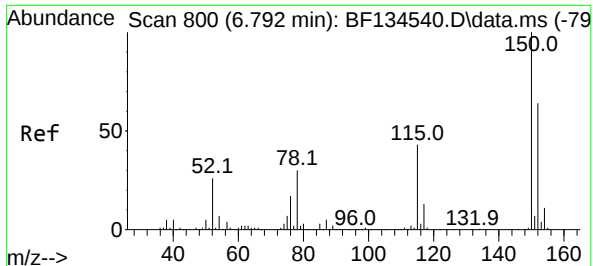
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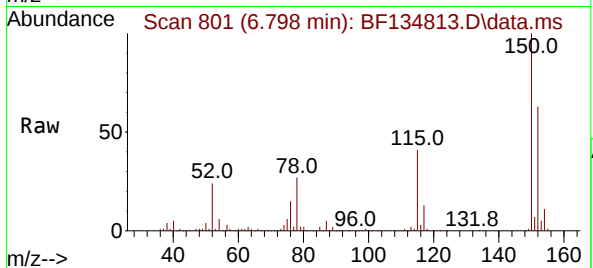
Quant Time: Aug 17 01:35:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

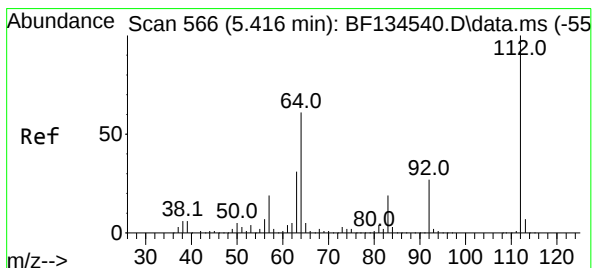
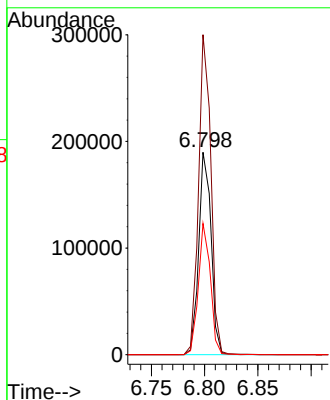
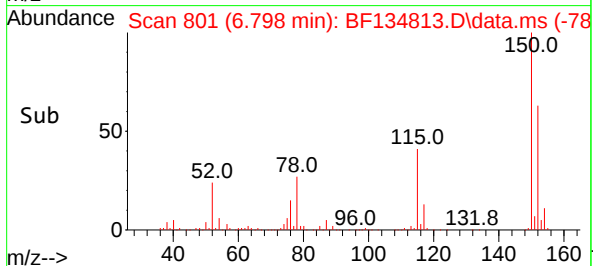
Instrument :
BNA_F
ClientSampleId :
B-PP11



Tgt Ion:152 Resp: 153658
Ion Ratio Lower Upper
152 100
150 158.0 128.3 192.5
115 64.8 52.4 78.6

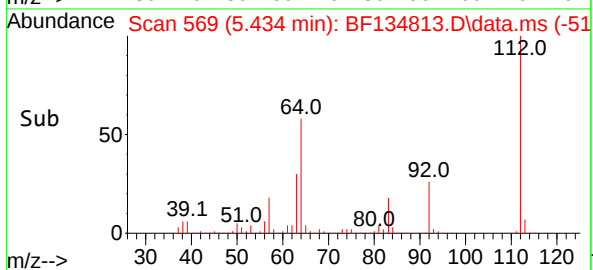
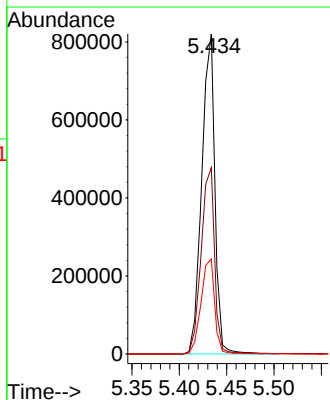
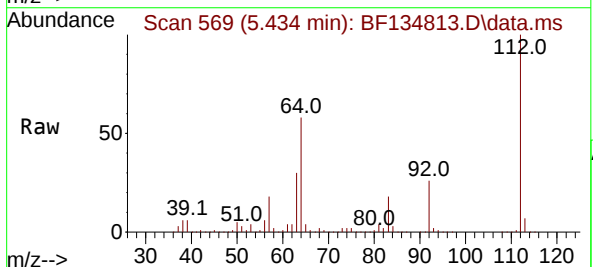
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#5
2-Fluorophenol
Concen: 78.606 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

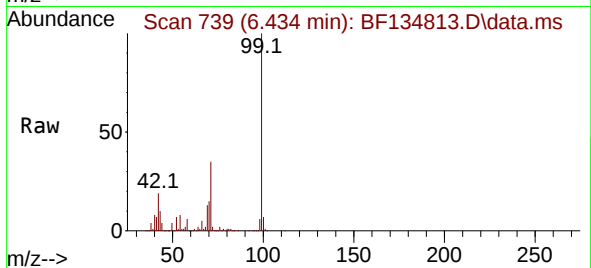
Tgt Ion:112 Resp: 794585
Ion Ratio Lower Upper
112 100
64 58.2 44.9 67.3
63 29.7 25.4 38.0





#7
Phenol-d6
Concen: 75.568 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

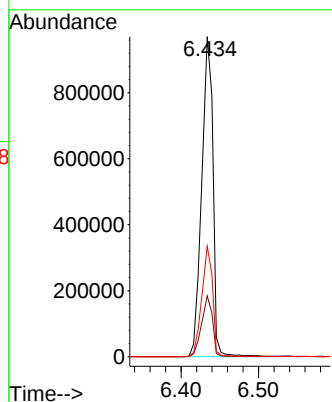
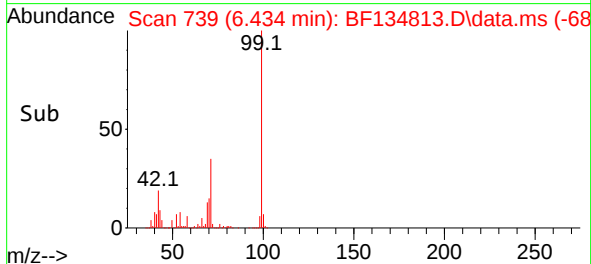
Instrument :
BNA_F
ClientSampleId :
B-PP11



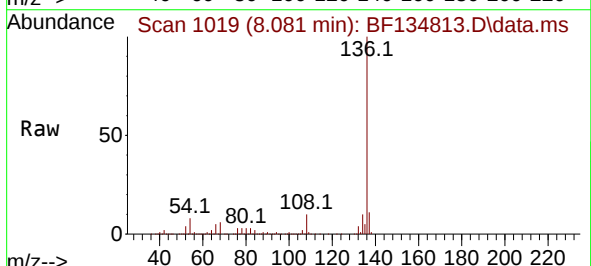
Tgt Ion: 99 Resp: 976460
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 34.5 36.4 54.6

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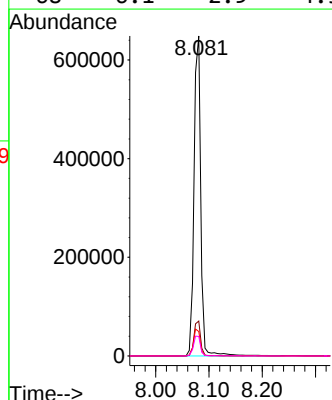
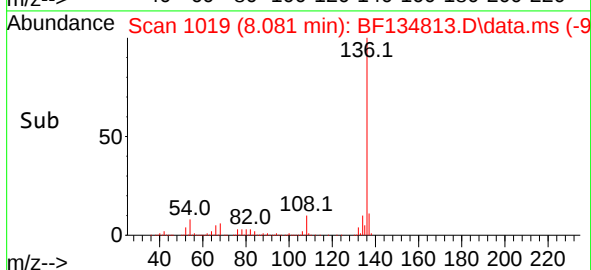
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32



Tgt Ion:136 Resp: 573206
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.6 5.2 7.8
68 6.1 2.9 4.3





#23

Nitrobenzene-d5

Concen: 64.358 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Instrument :

BNA_F

ClientSampleId :

B-PP11

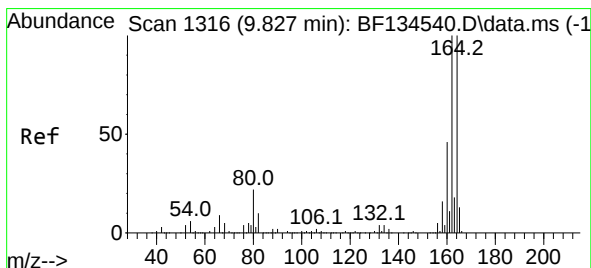
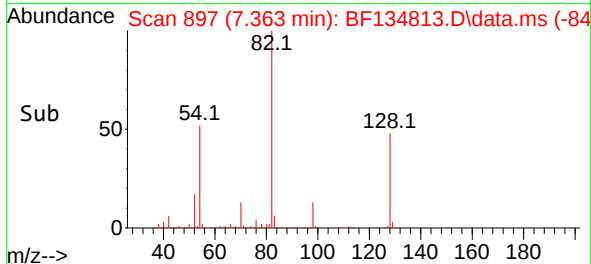
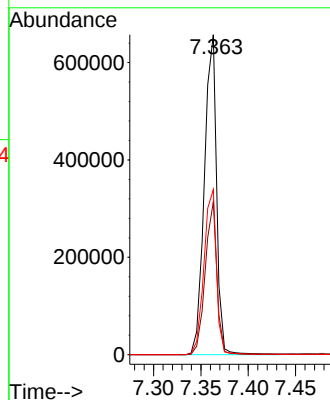
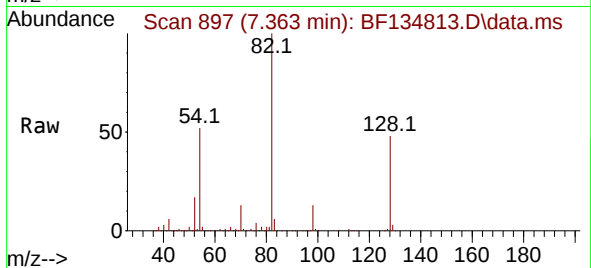
Tgt Ion: 82 Resp: 590318
 Ion Ratio Lower Upper
 82 100
 128 47.7 34.3 51.5
 54 51.6 43.8 65.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

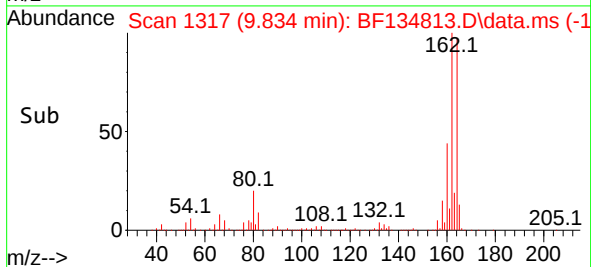
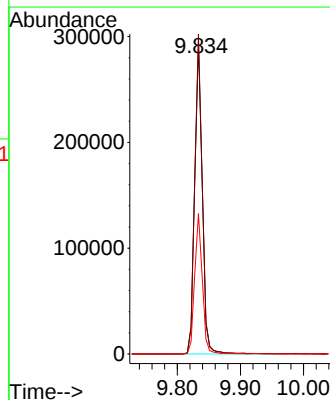
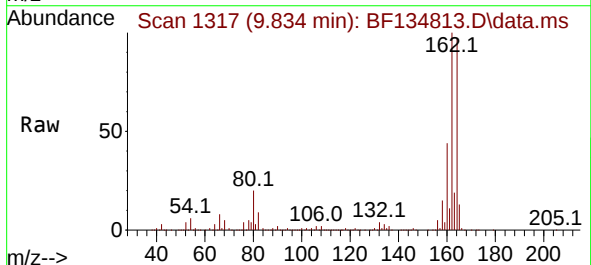
RT: 9.834 min Scan# 1317

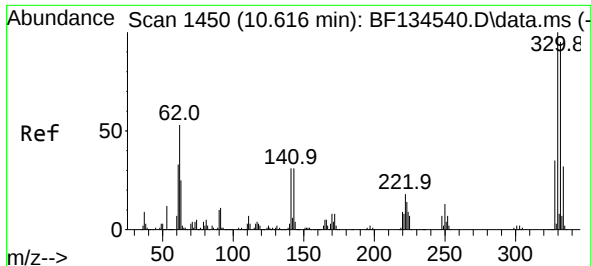
Delta R.T. 0.000 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

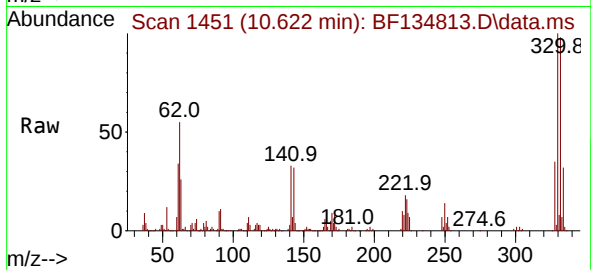
Tgt Ion:164 Resp: 247022
 Ion Ratio Lower Upper
 164 100
 162 103.0 82.6 123.8
 160 45.2 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 79.312 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

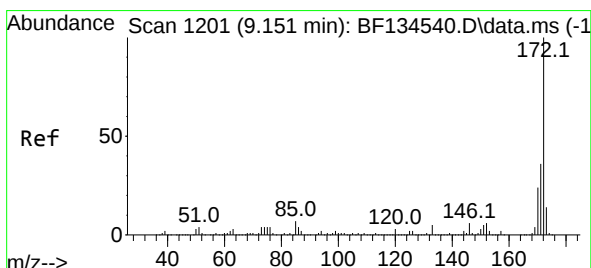
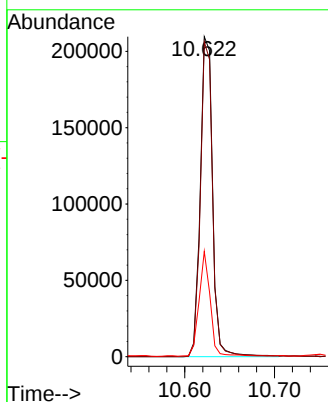
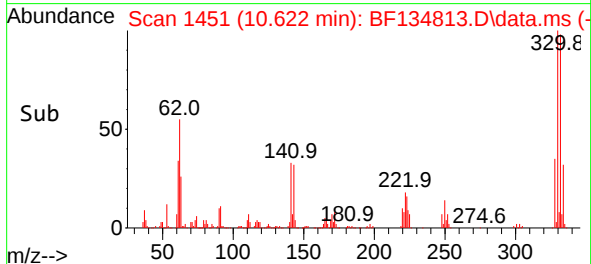
Instrument :
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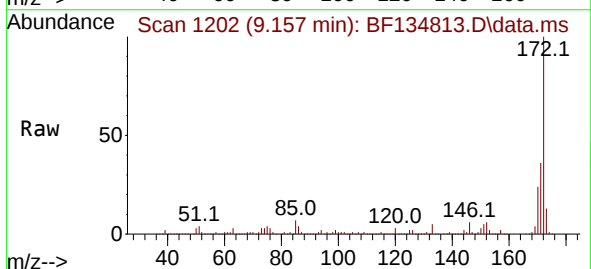
Tgt Ion: 330 Resp: 19972
Ion Ratio Lower Upper
330 100
332 97.7 78.8 118.2
141 29.7 25.4 38.2

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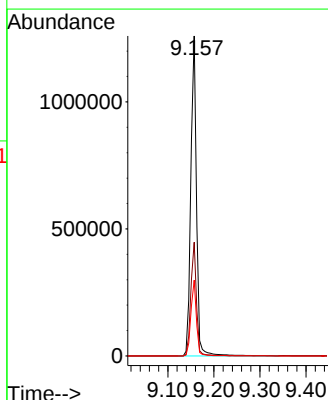
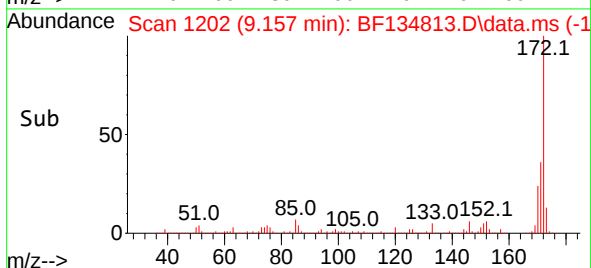
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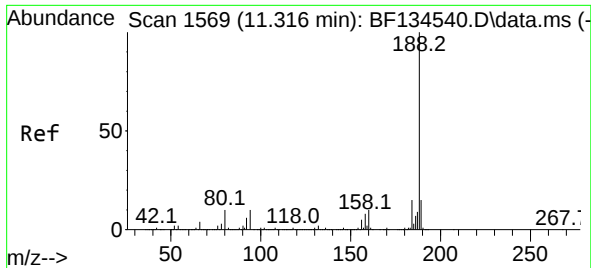


#45
2-Fluorobiphenyl
Concen: 72.592 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32



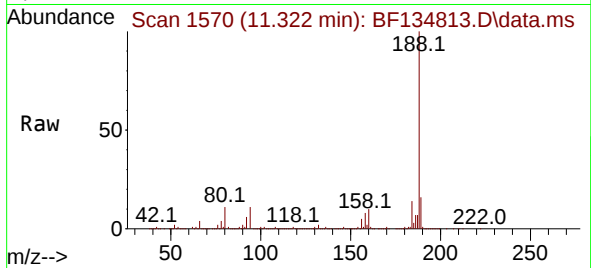
Tgt Ion: 172 Resp: 1078477
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.7 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

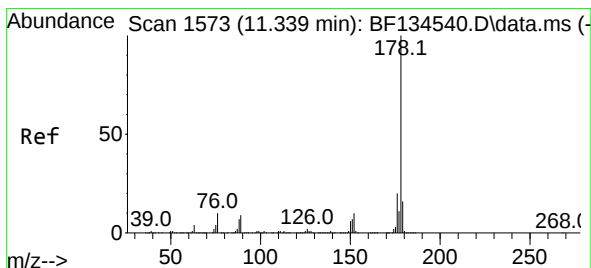
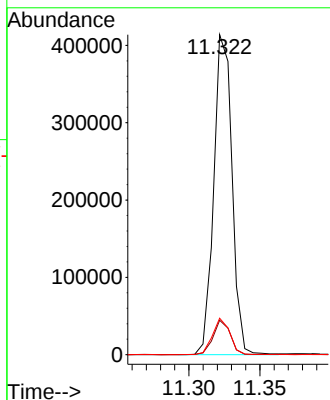
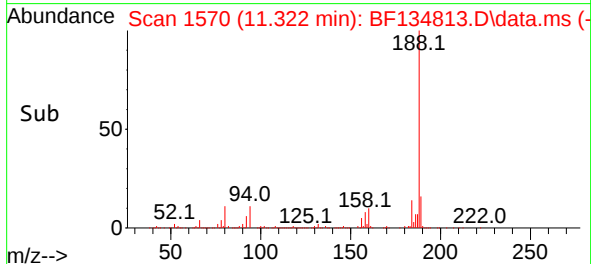
Instrument :
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B-PP11



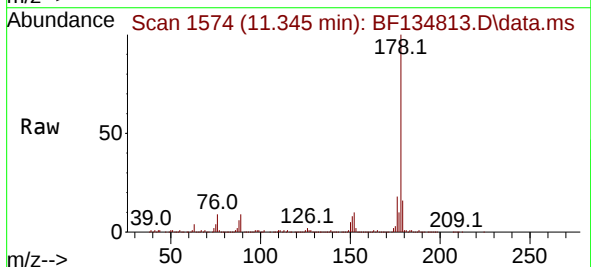
Tgt Ion:188 Resp: 370250
Ion Ratio Lower Upper
188 100
94 10.7 5.1 7.7
80 11.4 6.6 9.8

Manual Integrations
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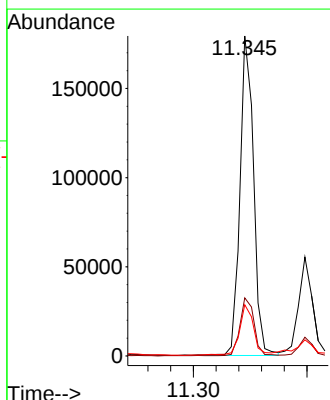
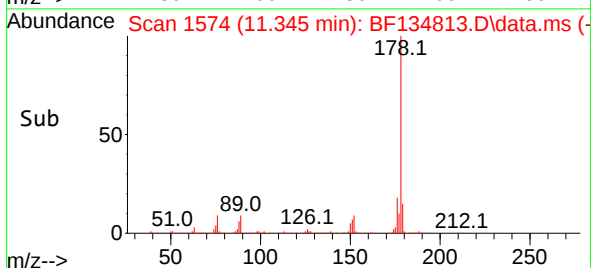
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

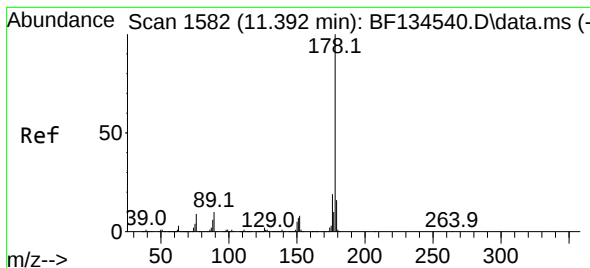


#71
Phenanthrene
Concen: 7.595 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32



Tgt Ion:178 Resp: 149366
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 16.0 12.7 19.1





#72

Anthracene

Concen: 2.180 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Instrument :

BNA_F

ClientSampleId :

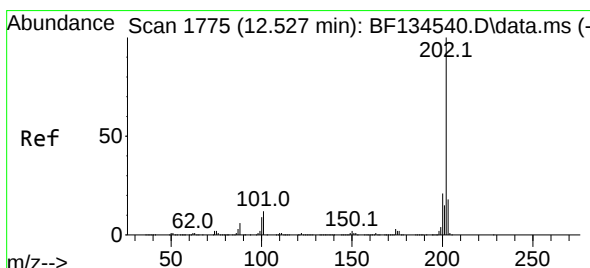
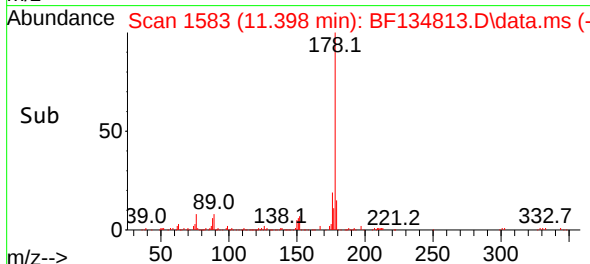
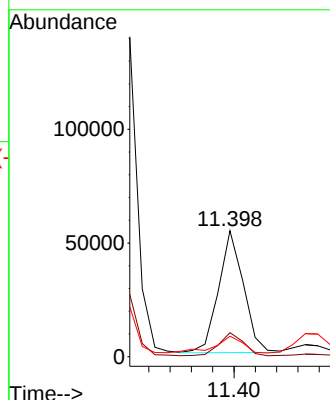
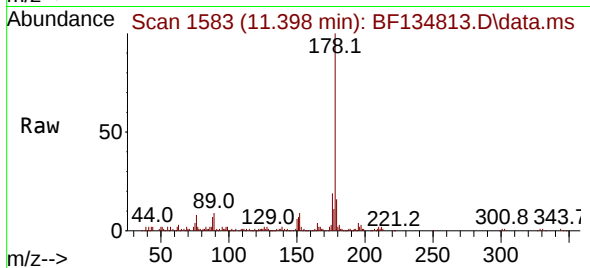
B-PP11

Tgt Ion:178 Resp: 43794
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.6 21.8
 179 16.3 12.3 18.5

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#75

Fluoranthene

Concen: 25.807 ng

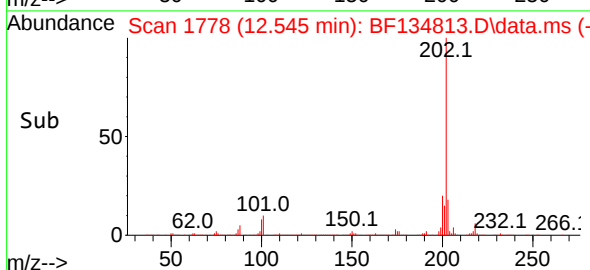
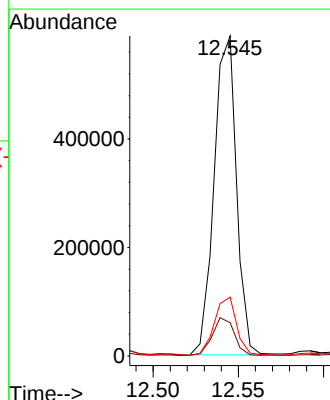
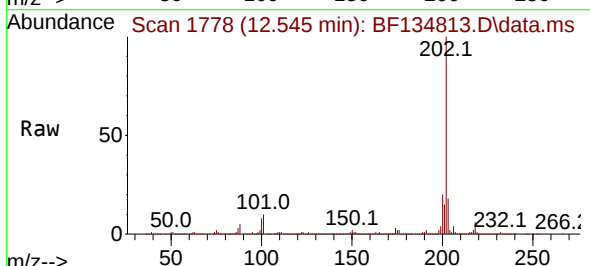
RT: 12.545 min Scan# 1778

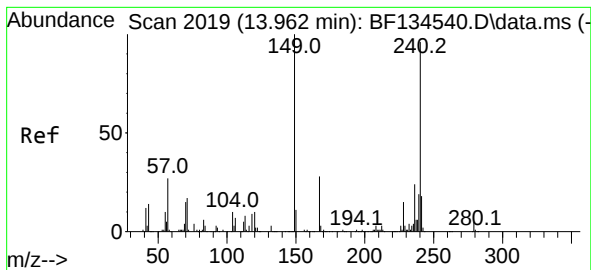
Delta R.T. 0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Tgt Ion:202 Resp: 536103
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 28.5
 203 18.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Instrument :

BNA_F

ClientSampleId :

B-PP11

Tgt Ion:240 Resp: 253970

Ion Ratio Lower Upper

240 100

120 12.3 6.6 10.0

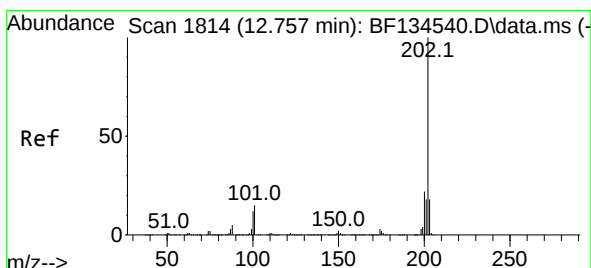
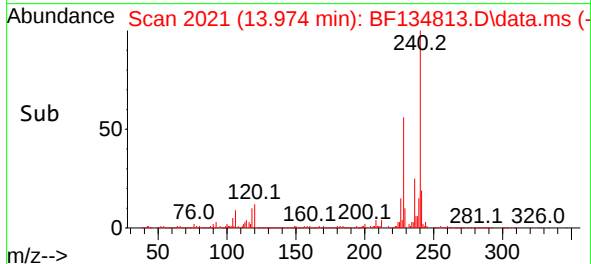
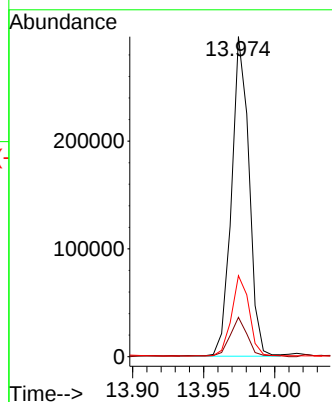
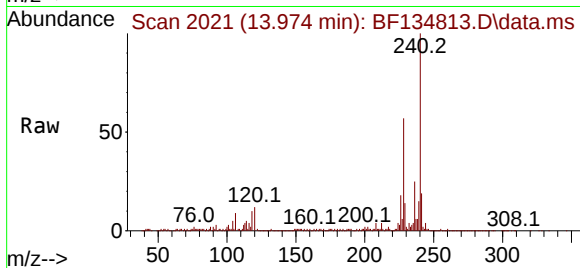
236 25.3 20.2 30.2

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#78

Pyrene

Concen: 45.336 ng

RT: 12.775 min Scan# 1817

Delta R.T. 0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

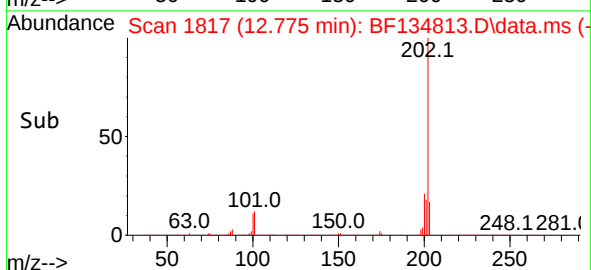
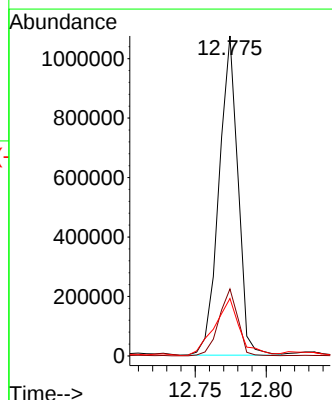
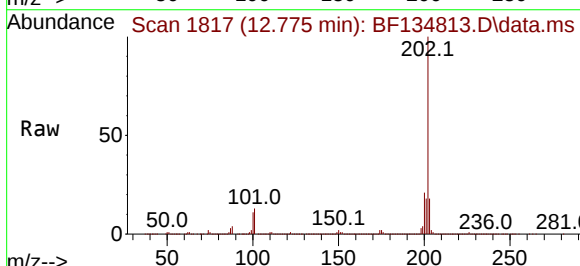
Tgt Ion:202 Resp: 996355

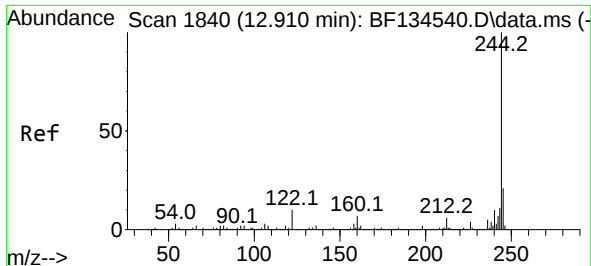
Ion Ratio Lower Upper

202 100

200 21.0 15.8 23.8

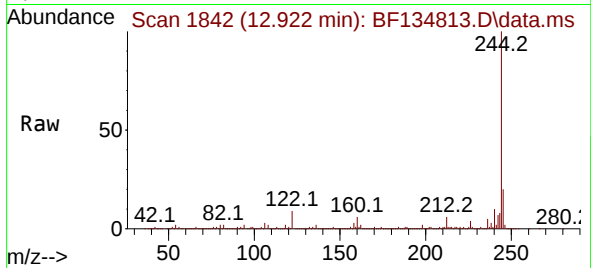
203 18.0 13.5 20.3





#79
 Terphenyl-d14
 Concen: 68.053 ng
 RT: 12.922 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF134813.D
 Acq: 16 Aug 2023 17:32

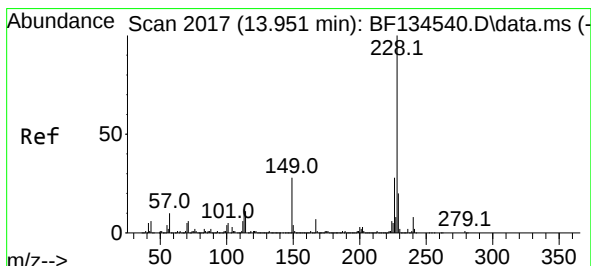
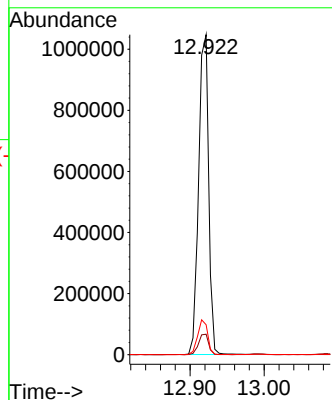
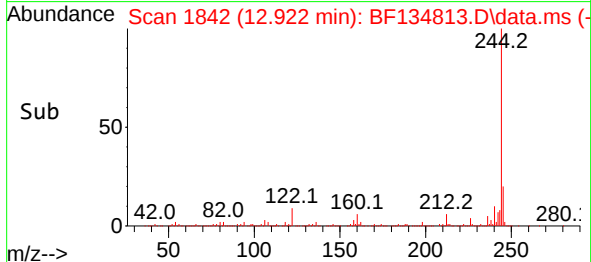
Instrument :
 BNA_F
 ClientSampleId :
 B-PP11



Tgt Ion:244 Resp: 980438
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 9.4 8.0 12.0

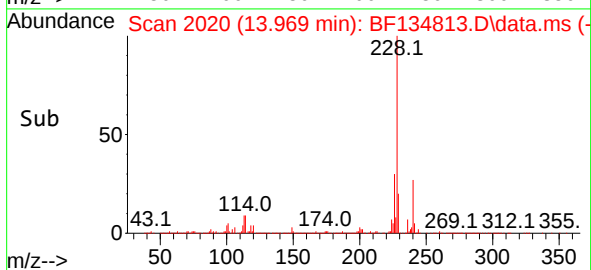
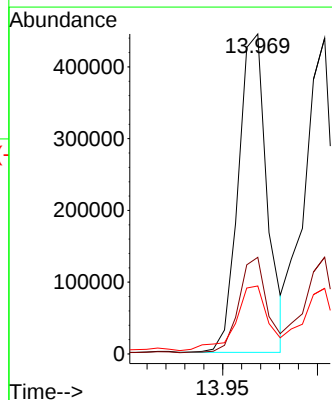
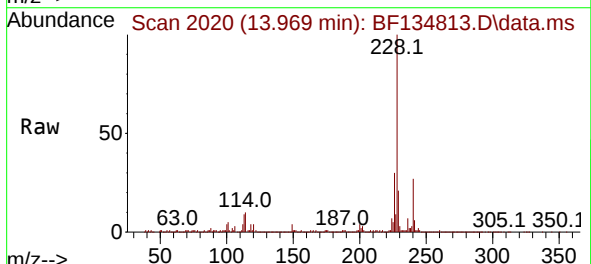
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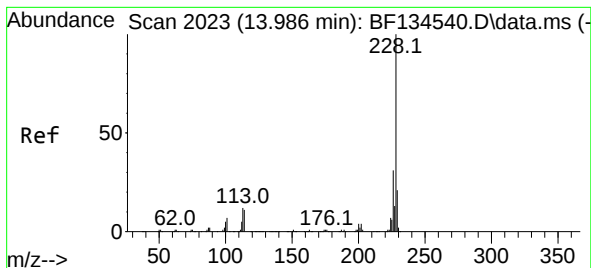
Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023



#81
 Benzo(a)anthracene
 Concen: 25.882 ng
 RT: 13.969 min Scan# 2020
 Delta R.T. 0.006 min
 Lab File: BF134813.D
 Acq: 16 Aug 2023 17:32

Tgt Ion:228 Resp: 470029
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.3 33.5
 229 21.3 15.8 23.6





#83

Chrysene

Concen: 25.804 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Instrument :

BNA_F

ClientSampleId :

B-PP11

Tgt Ion:228 Resp: 456549

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

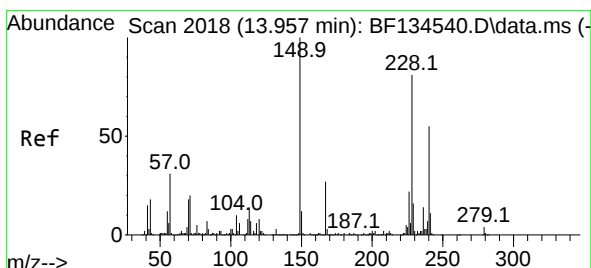
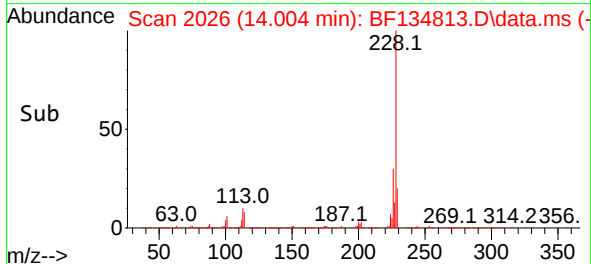
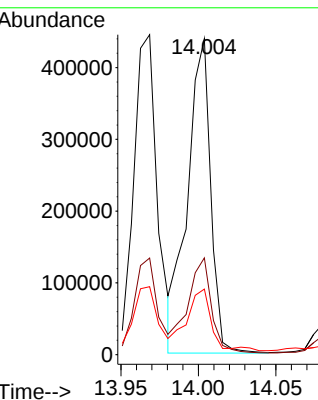
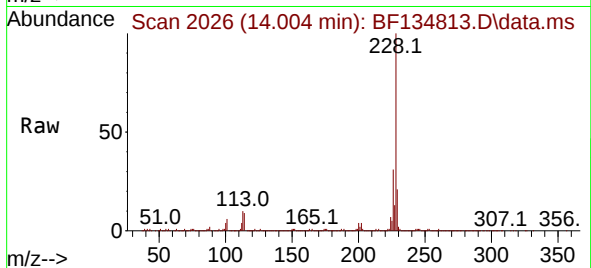
229 20.8 15.8 23.8

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Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.949 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

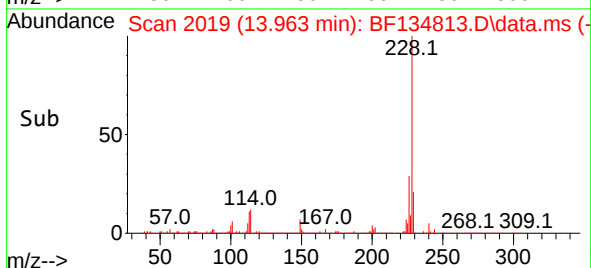
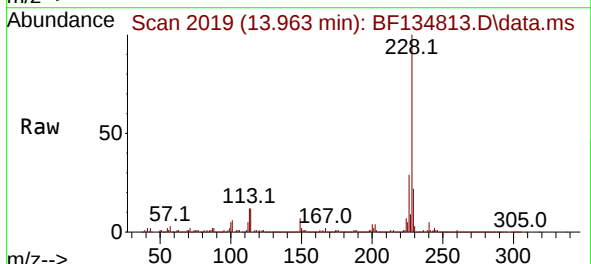
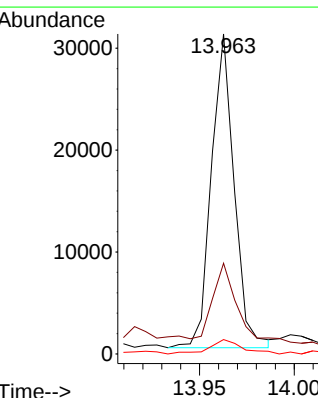
Tgt Ion:149 Resp: 25789

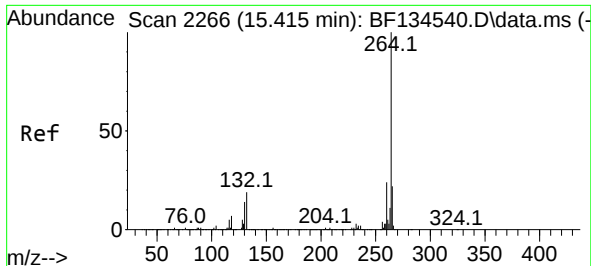
Ion Ratio Lower Upper

149 100

167 28.3 21.6 32.4

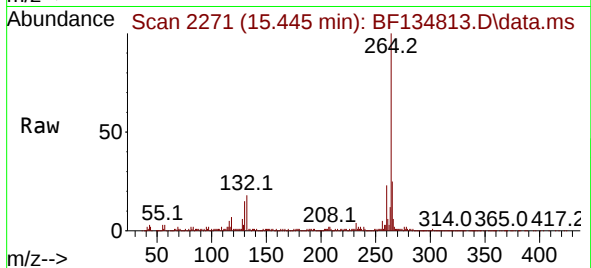
279 4.5 3.5 5.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 20182
Delta R.T. 0.006 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

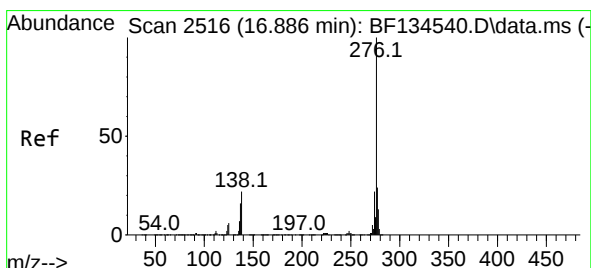
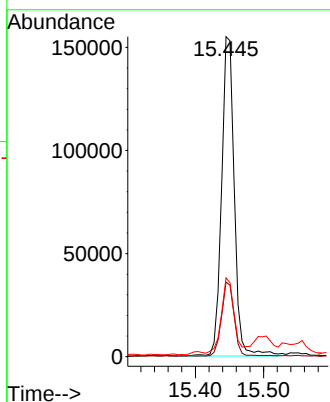
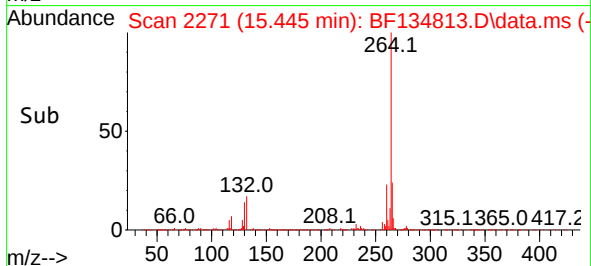
Instrument :
BNA_F
ClientSampleId :
B-PP11



Tgt Ion:264 Resp: 20182
Ion Ratio Lower Upper
264 100
260 23.3 18.4 27.6
265 24.6 15.8 23.8

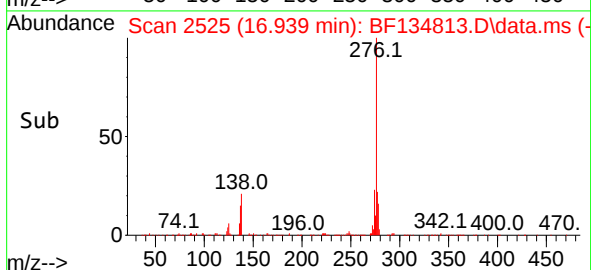
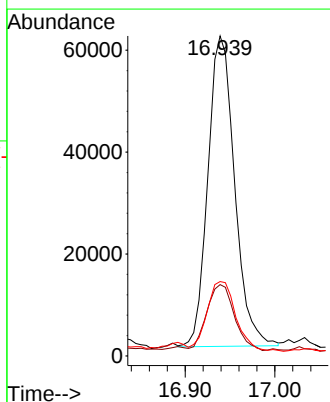
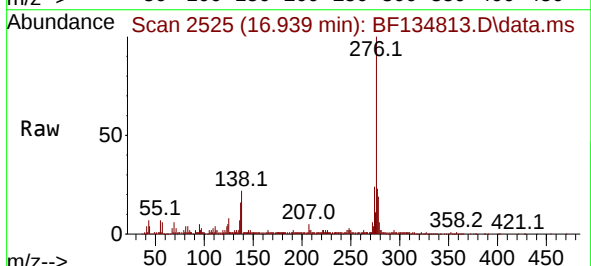
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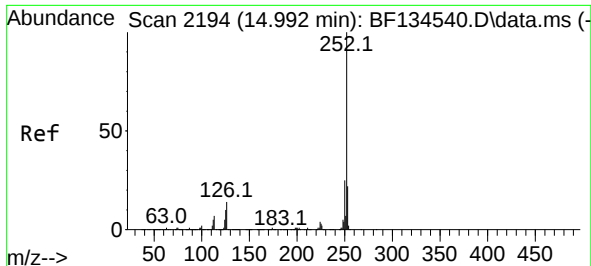
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.626 ng
RT: 16.939 min Scan# 2525
Delta R.T. 0.012 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

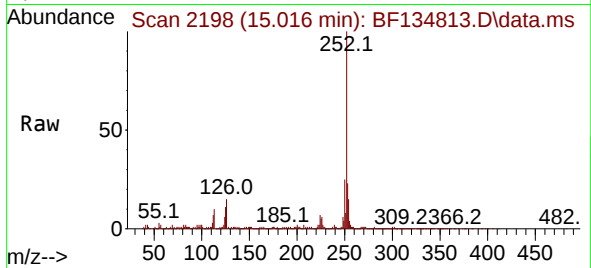
Tgt Ion:276 Resp: 126131
Ion Ratio Lower Upper
276 100
138 22.4 14.2 21.4#
277 24.4 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 25.937 ng m
RT: 15.016 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

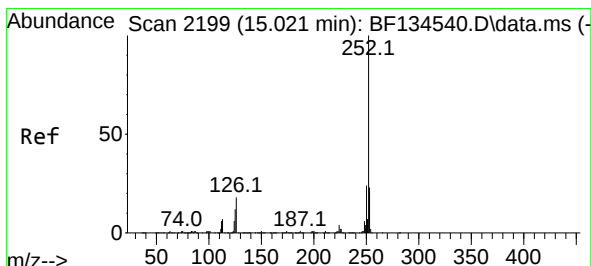
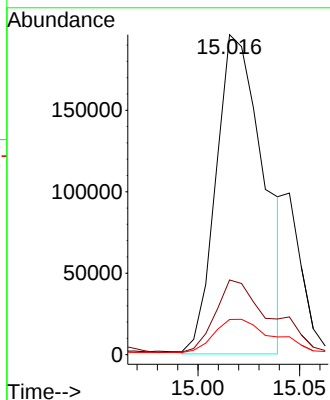
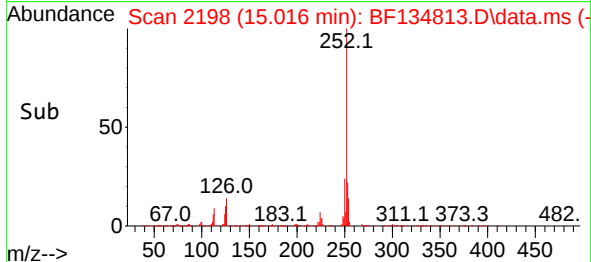
Instrument :
BNA_F
ClientSampleId :
B-PP11



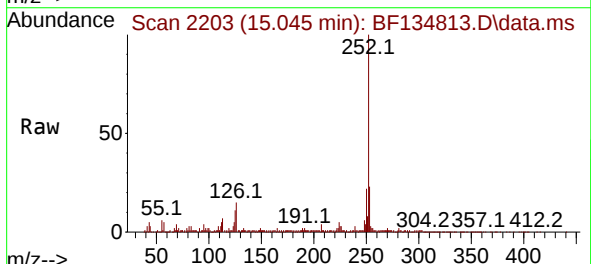
Tgt Ion:252 Resp: 31926
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 11.0 6.0 9.0

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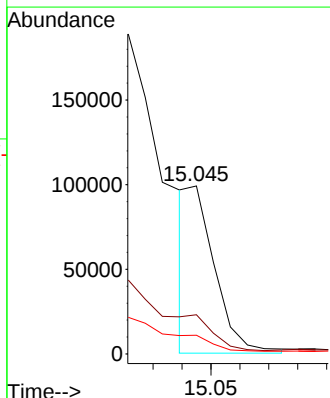
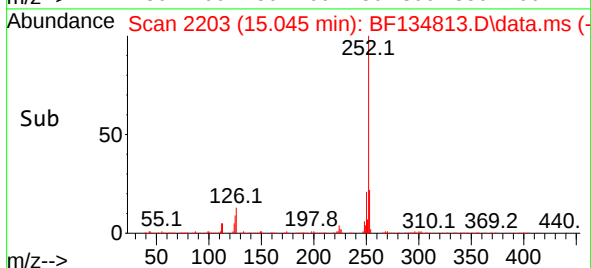
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

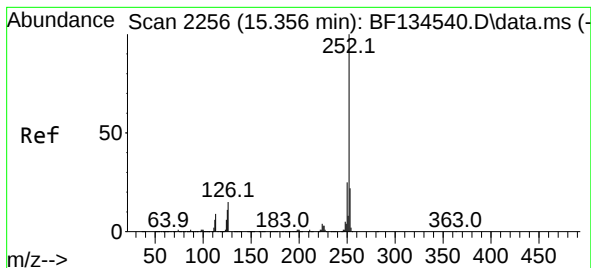


#89
Benzo(k)fluoranthene
Concen: 5.123 ng m
RT: 15.045 min Scan# 2203
Delta R.T. 0.006 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32



Tgt Ion:252 Resp: 62823
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 11.1 6.3 9.5





#90

Benzo(a)pyrene

Concen: 23.158 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Instrument :

BNA_F

ClientSampleId :

B-PP11

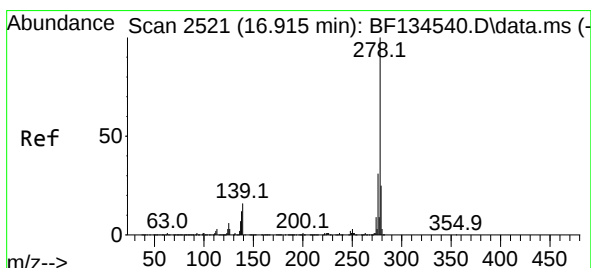
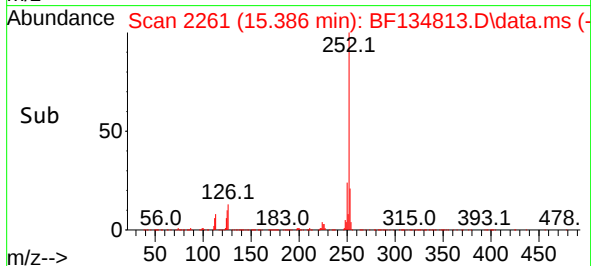
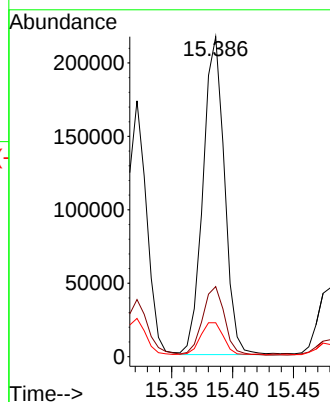
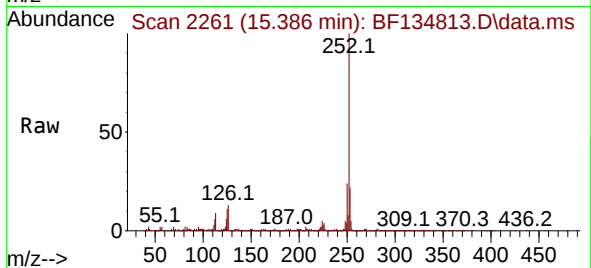
Tgt Ion:252 Resp: 265779
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.0 25.4
 125 10.6 6.2 9.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.522 ng

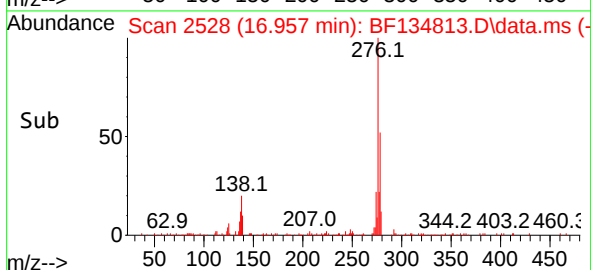
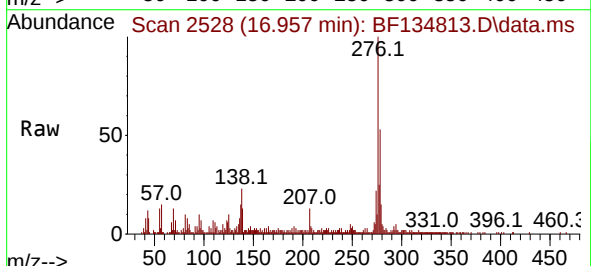
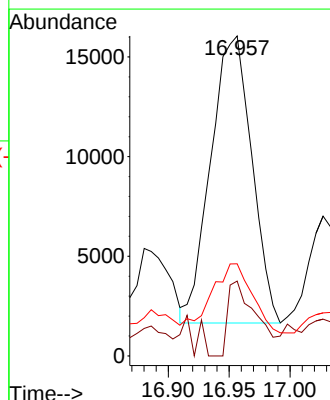
RT: 16.957 min Scan# 2528

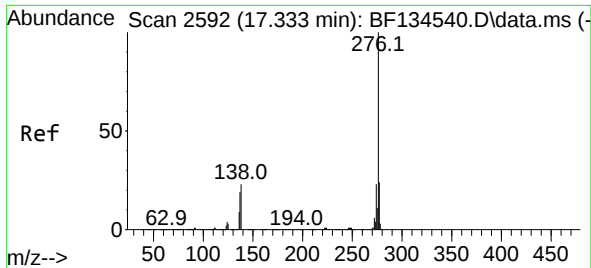
Delta R.T. 0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

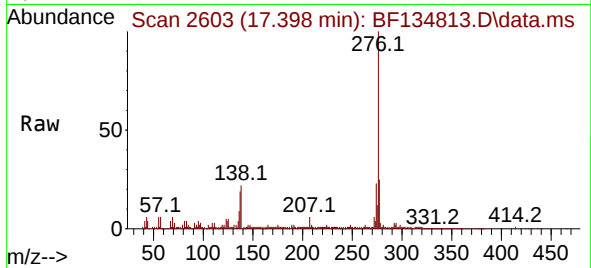
Tgt Ion:278 Resp: 33786
 Ion Ratio Lower Upper
 278 100
 139 23.4 10.0 15.0#
 279 28.8 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 15.672 ng
RT: 17.398 min Scan# 20
Delta R.T. 0.024 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

Instrument :
BNA_F
ClientSampleId :
B-PP11



Tgt Ion: 276 Resp: 15335
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.6
138 22.0 12.2 18.2

Manual Integrations
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Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

