

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
 Data File : BF134867.D
 Acq On : 21 Aug 2023 14:51
 Operator : CG\JU
 Sample : 04086-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP06A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023

Quant Time: Aug 21 15:12:43 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	6.792	152	186602	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	761795	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	382520	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	628710	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	388479	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	395322	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	708233	57.694	ng	0.00
7) Phenol-d6	6.428	99	887707	56.571	ng	-0.01
23) Nitrobenzene-d5	7.351	82	546012	44.791	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	246910	63.320	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1065639	46.320	ng	-0.02
79) Terphenyl-d14	12.910	244	926231	42.031	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	197309	5.908	ng	99
72) Anthracene	11.386	178	81657	2.394	ng	99
75) Fluoranthene	12.533	202	457413	12.967	ng	98
78) Pyrene	12.763	202	694382	20.657	ng	97
81) Benzo(a)anthracene	13.957	228	285171	10.266	ng	98
83) Chrysene	13.992	228	306217	11.315	ng	98
87) Indeno(1,2,3-cd)pyrene	16.909	276	83755	3.602	ng	95
88) Benzo(b)fluoranthene	15.004	252	239685m	9.941	ng	
89) Benzo(k)fluoranthene	15.027	252	70140m	2.920	ng	
90) Benzo(a)pyrene	15.368	252	197226	8.773	ng	# 96
92) Benzo(g,h,i)perylene	17.362	276	91209	4.759	ng	# 92

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

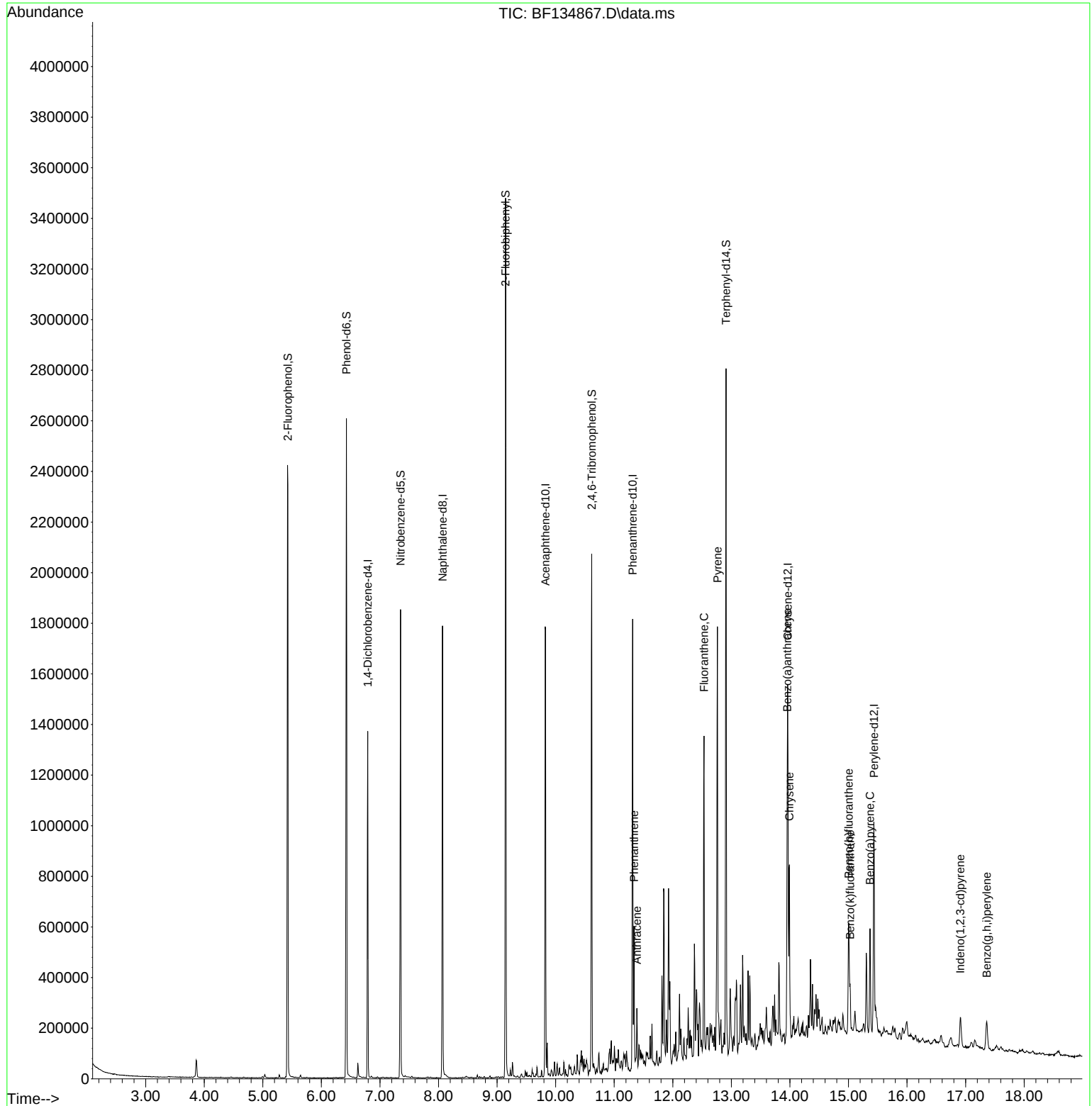
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
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ALS Vial : 9 Sample Multiplier: 1

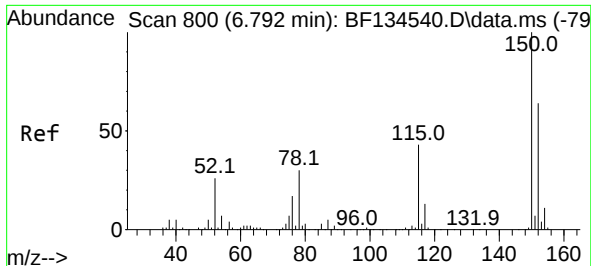
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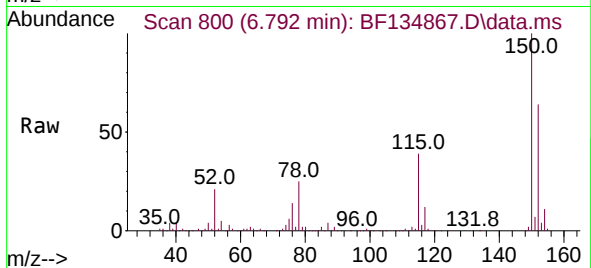
Quant Time: Aug 21 15:12:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

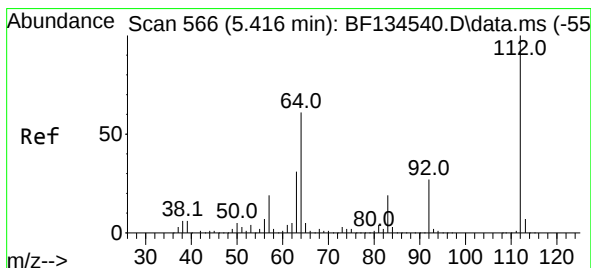
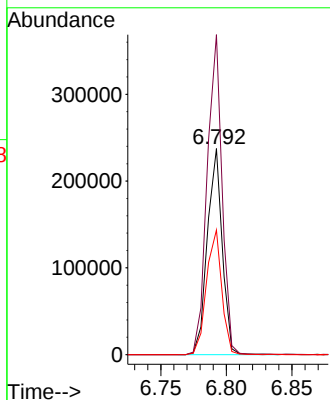
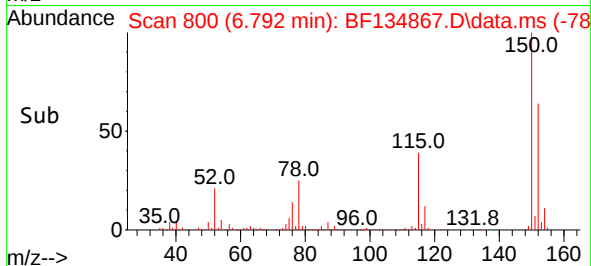
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B-PP06A



Tgt Ion:152 Resp: 186602
Ion Ratio Lower Upper
152 100
150 155.3 128.3 192.5
115 60.5 52.4 78.6

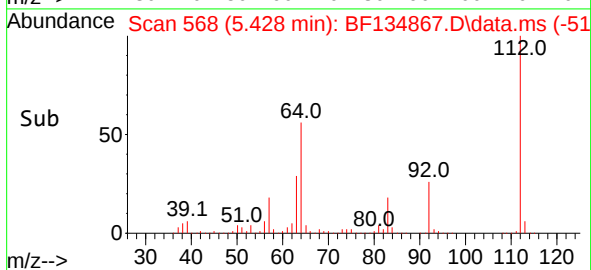
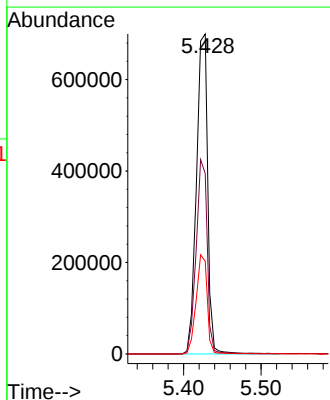
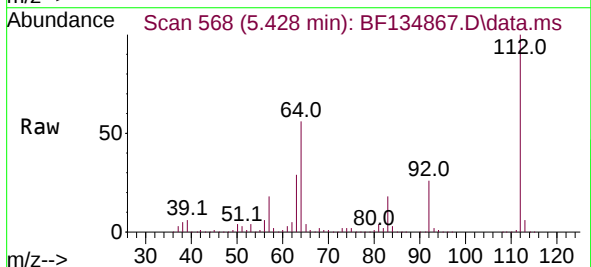
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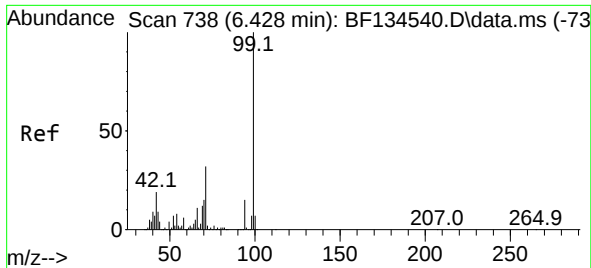
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#5
2-Fluorophenol
Concen: 57.694 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

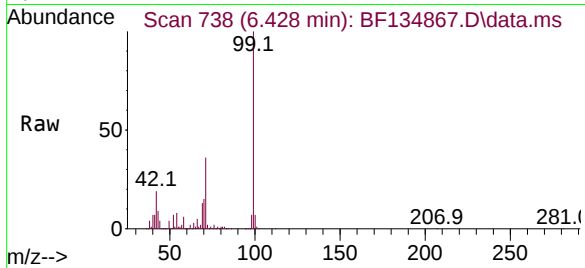
Tgt Ion:112 Resp: 708233
Ion Ratio Lower Upper
112 100
64 56.3 44.9 67.3
63 28.9 25.4 38.0





#7
Phenol-d6
Concen: 56.571 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

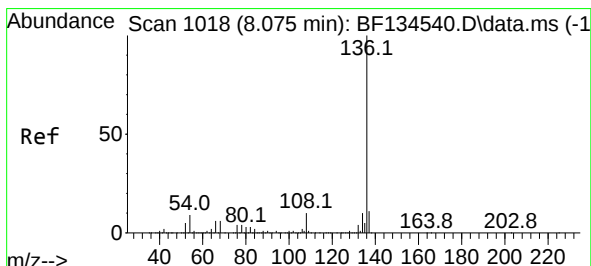
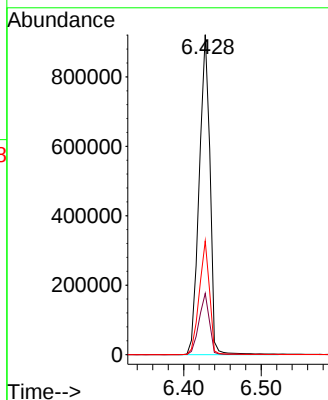
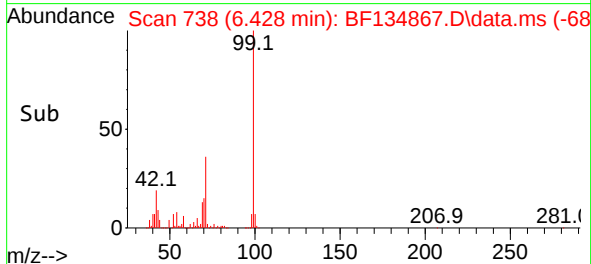
Instrument :
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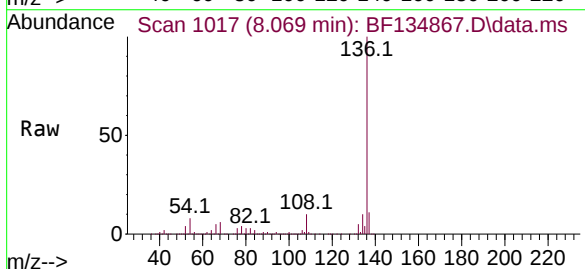
Tgt Ion: 99 Resp: 88770
Ion Ratio Lower Upper
99 100
42 19.1 18.7 28.1
71 35.5 36.4 54.6

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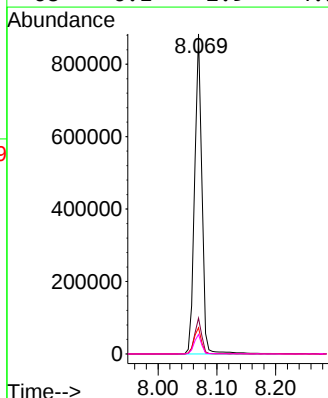
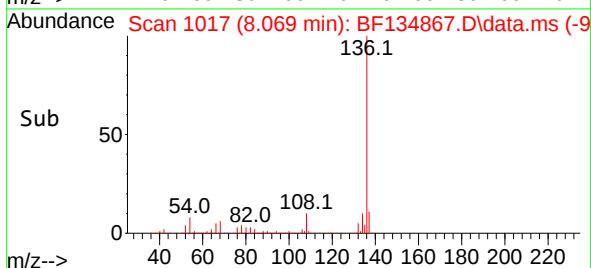
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

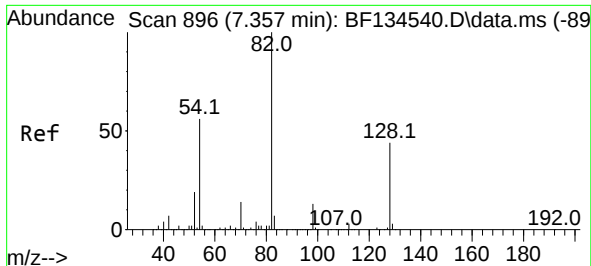


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51



Tgt Ion:136 Resp: 761795
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.2 5.2 7.8#
68 6.1 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 44.791 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF134867.D

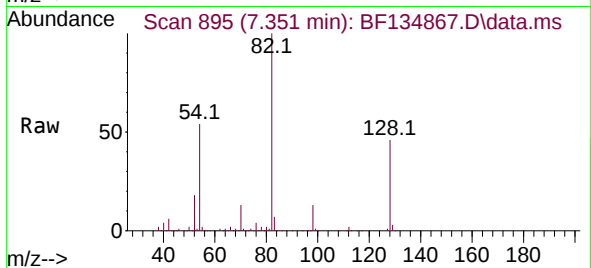
Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

ClientSampleId :

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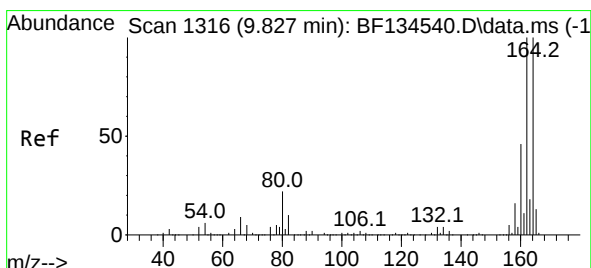
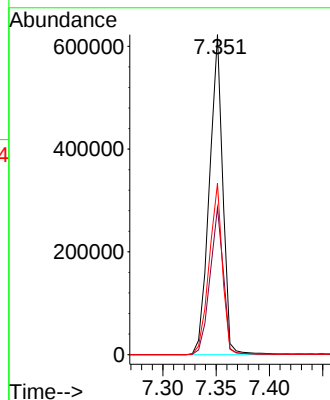
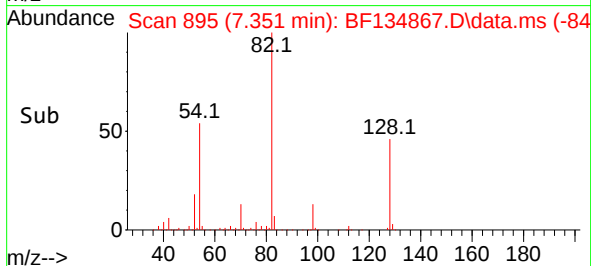
Tgt Ion:	82	Resp:	546012
Ion Ratio	Lower	Upper	
82	100		
128	45.9	34.3	51.5
54	53.5	43.8	65.6

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

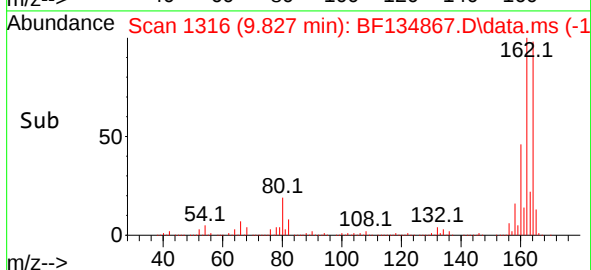
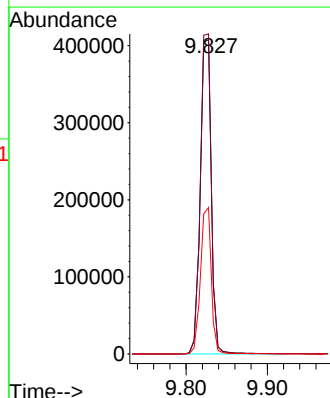
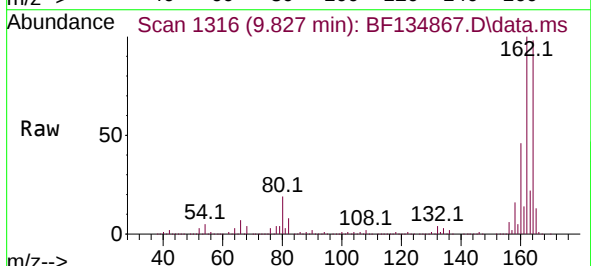
RT: 9.827 min Scan# 1316

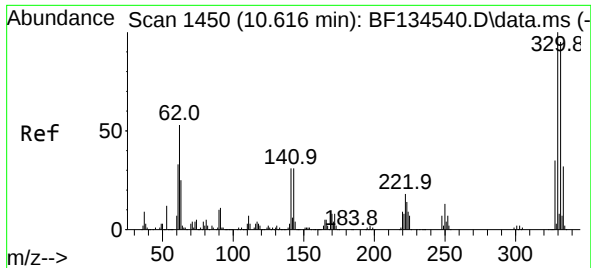
Delta R.T. -0.006 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

Tgt Ion:	164	Resp:	382520
Ion Ratio	Lower	Upper	
164	100		
162	101.9	82.6	123.8
160	46.6	37.2	55.8





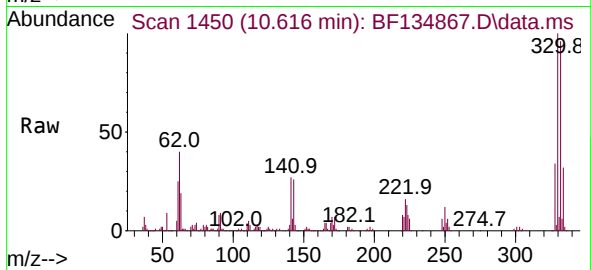
#42
 2,4,6-Tribromophenol
 Concen: 63.320 ng
 RT: 10.616 min Scan# 1450
 Delta R.T. -0.012 min
 Lab File: BF134867.D
 Acq: 21 Aug 2023 14:51

Instrument :

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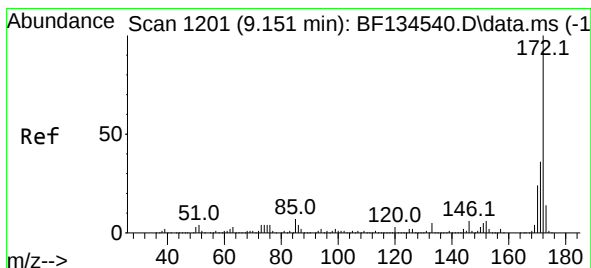
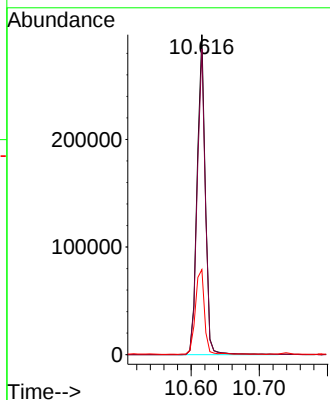
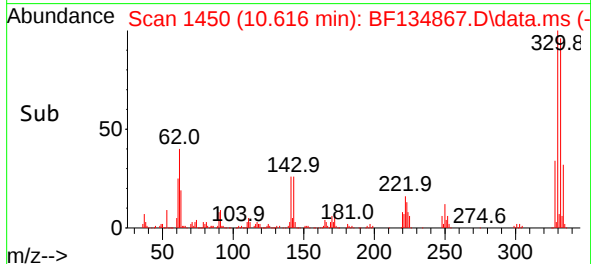


Tgt Ion: 330 Resp: 246910
 Ion Ratio Lower Upper
 330 100
 332 95.5 78.8 118.2
 141 29.6 25.4 38.2

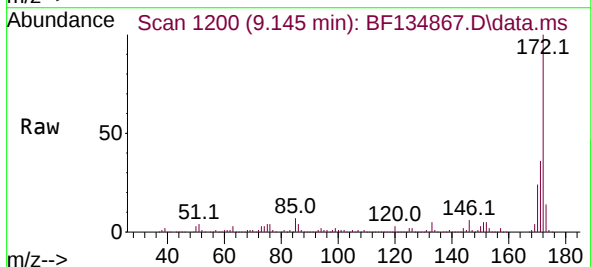
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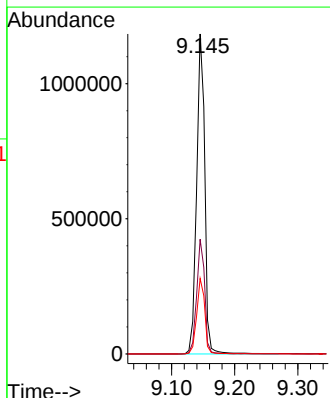
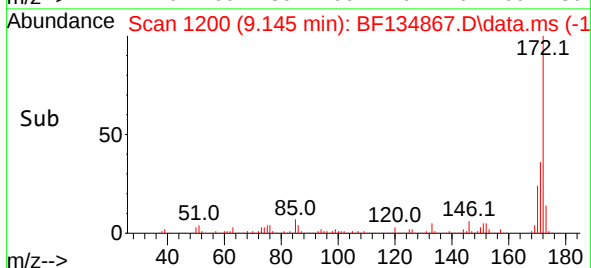
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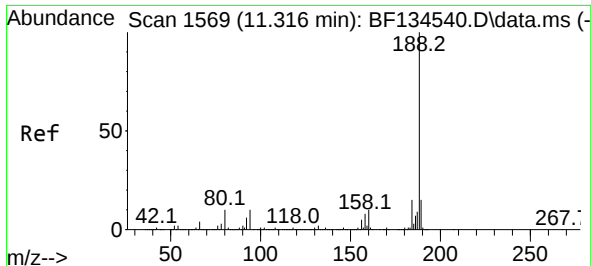


#45
 2-Fluorobiphenyl
 Concen: 46.320 ng
 RT: 9.145 min Scan# 1200
 Delta R.T. -0.018 min
 Lab File: BF134867.D
 Acq: 21 Aug 2023 14:51



Tgt Ion: 172 Resp: 1065639
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.8 43.2
 170 23.6 18.7 28.1





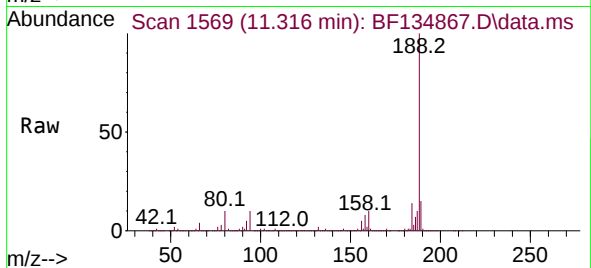
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

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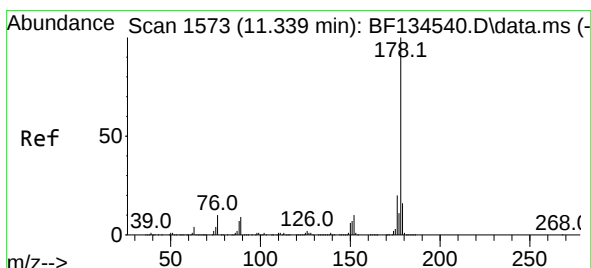
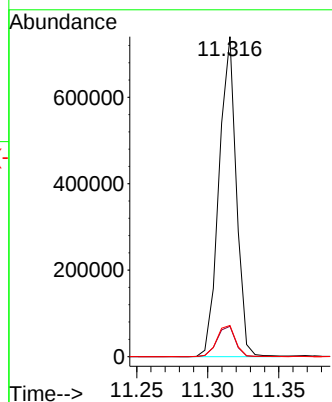
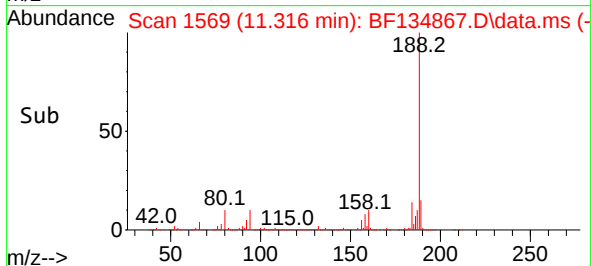
Tgt Ion:188 Resp: 628710
Ion Ratio Lower Upper
188 100
94 9.5 5.1 7.7
80 9.7 6.6 9.8

Manual Integrations

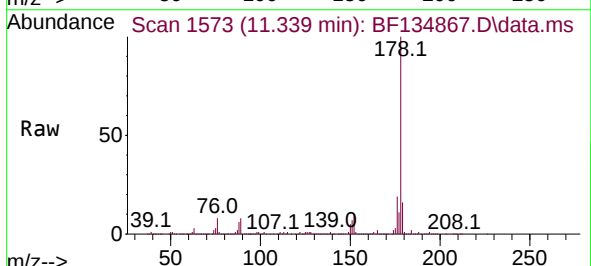
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Reviewed By :Yogesh Patel 08/22/2023

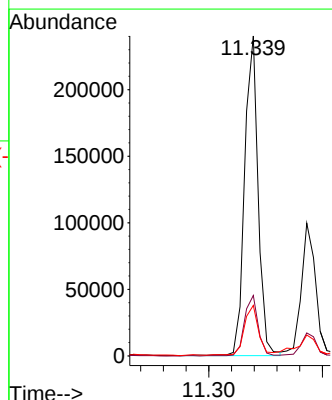
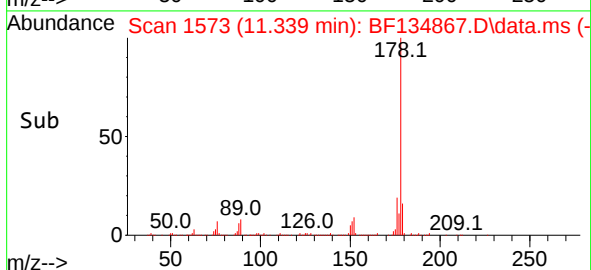
Supervised By :mohammad ahmed 08/22/2023

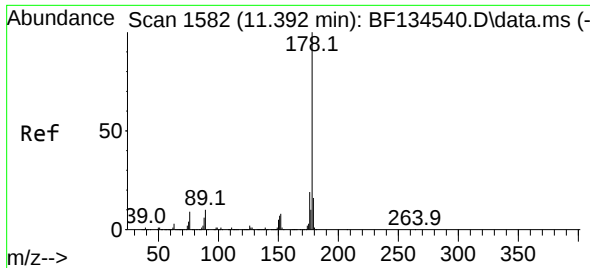


#71
Phenanthrene
Concen: 5.908 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51



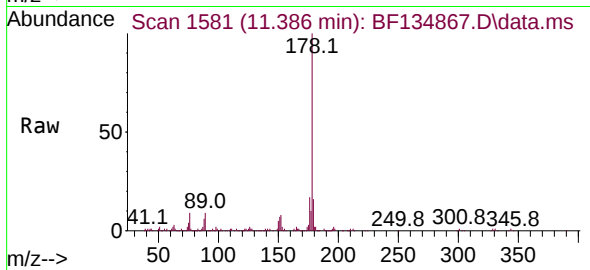
Tgt Ion:178 Resp: 197309
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.8 12.7 19.1





#72
 Anthracene
 Concen: 2.394 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF134867.D
 Acq: 21 Aug 2023 14:51

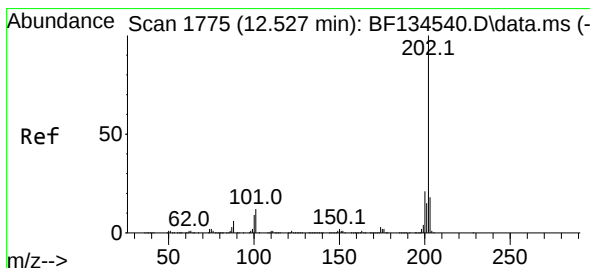
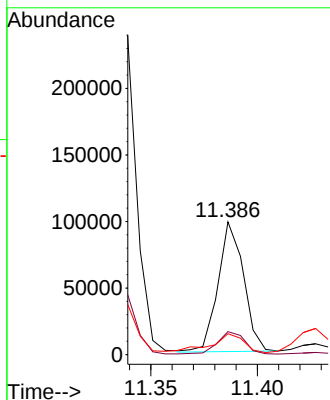
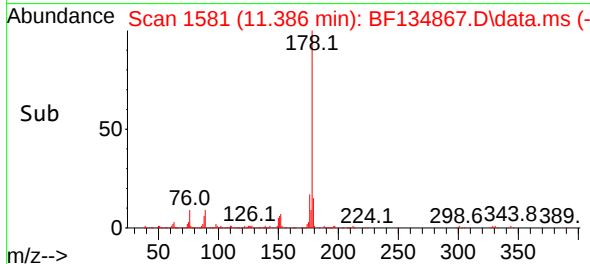
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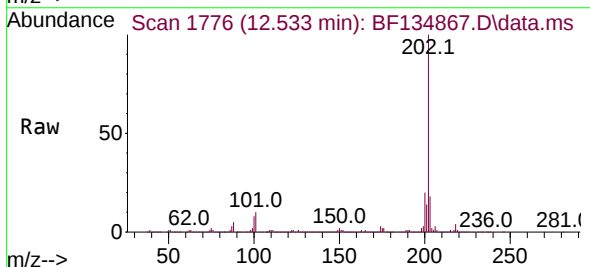
Tgt Ion:178 Resp: 81652
 Ion Ratio Lower Upper
 178 100
 176 17.4 14.6 21.8
 179 15.7 12.3 18.5

Manual Integrations
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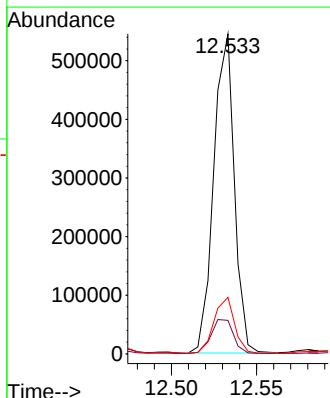
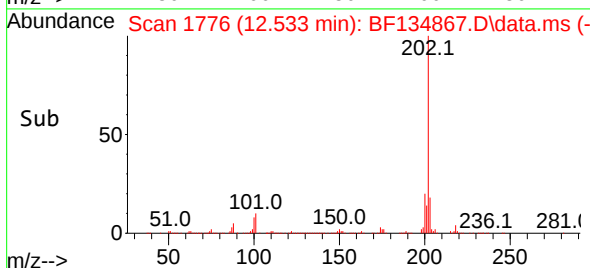
Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023

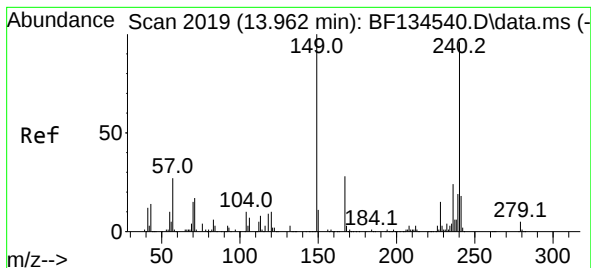


#75
 Fluoranthene
 Concen: 12.967 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF134867.D
 Acq: 21 Aug 2023 14:51



Tgt Ion:202 Resp: 457413
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 28.5
 203 17.7 0.0 37.5





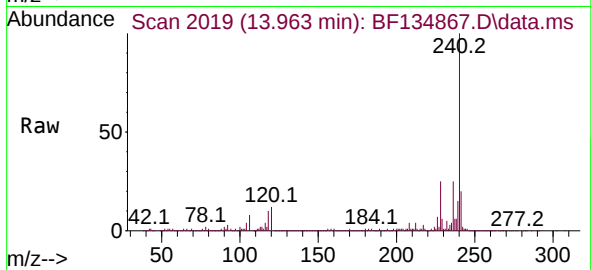
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

ClientSampleId :

B-PP06A

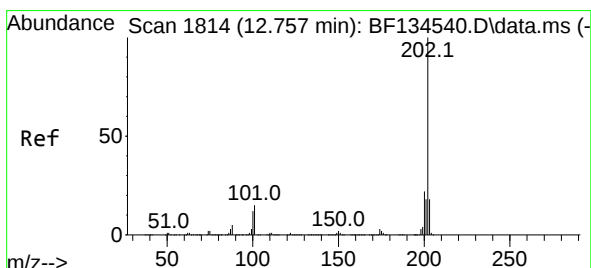
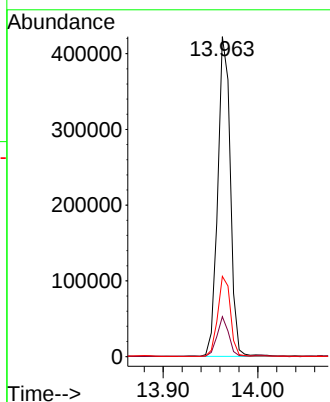
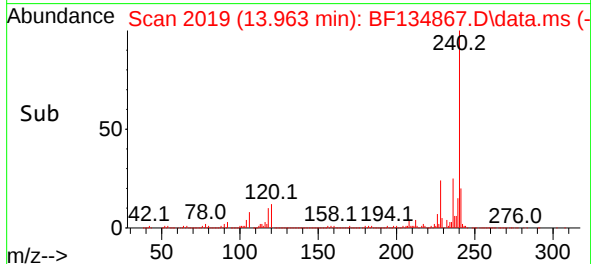


Tgt Ion:240 Resp: 388479
Ion Ratio Lower Upper
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120 12.5 6.6 10.0
236 25.1 20.2 30.2

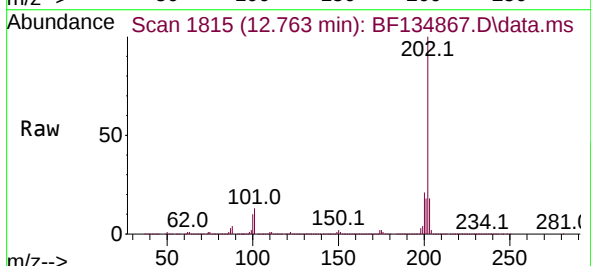
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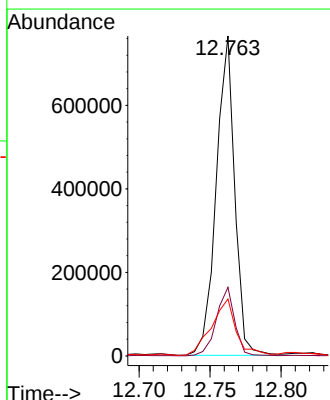
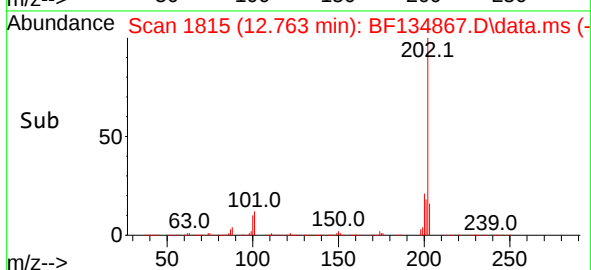
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

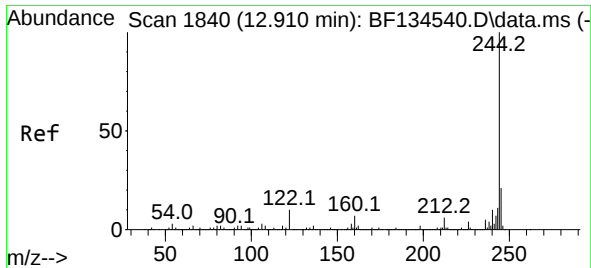


#78
Pyrene
Concen: 20.657 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51



Tgt Ion:202 Resp: 694382
Ion Ratio Lower Upper
202 100
200 21.4 15.8 23.8
203 17.8 13.5 20.3





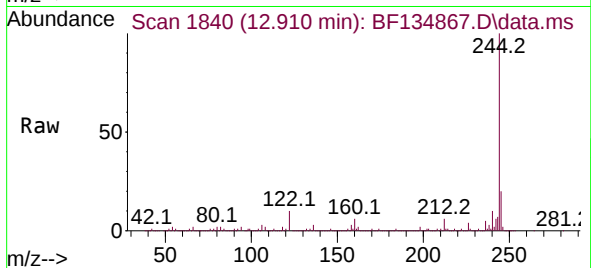
#79
 Terphenyl-d14
 Concen: 42.031 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF134867.D
 Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

ClientSampleId :

B-PP06A

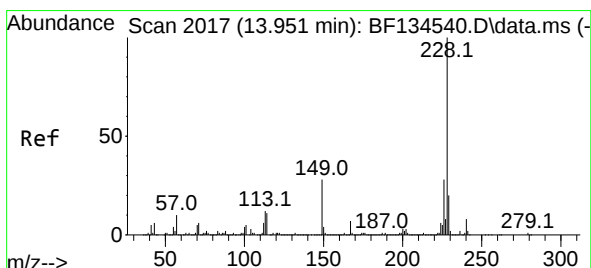
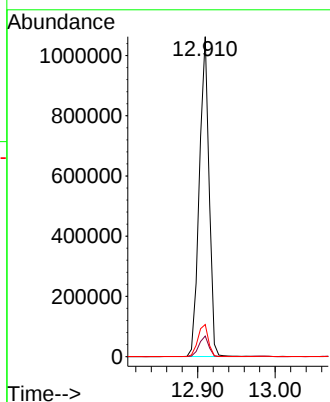
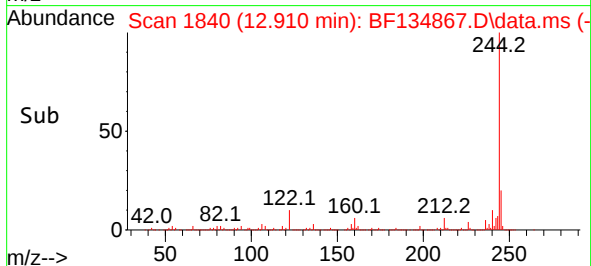


Tgt Ion:244 Resp: 926231
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.0 8.0 12.0

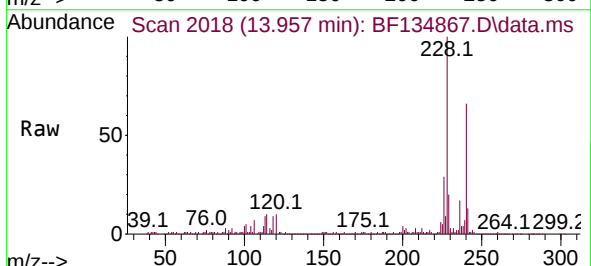
Manual Integrations

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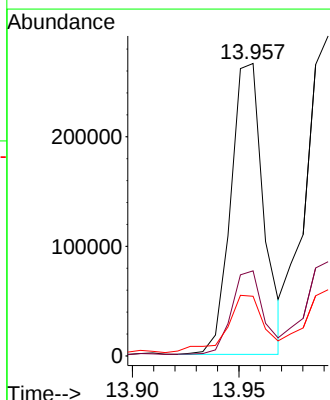
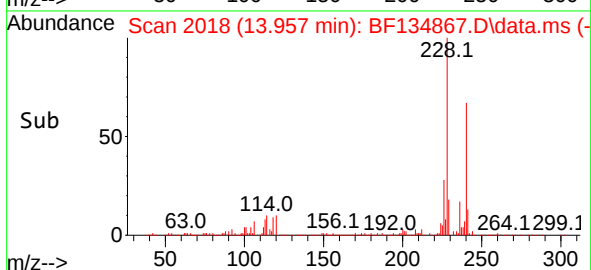
Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023

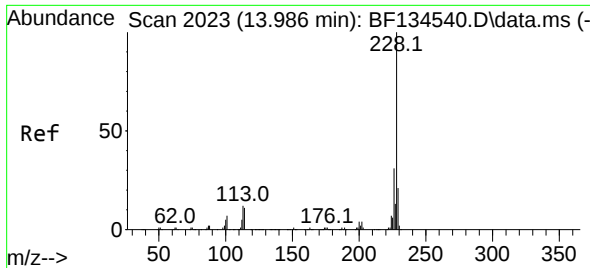


#81
 Benzo(a)anthracene
 Concen: 10.266 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF134867.D
 Acq: 21 Aug 2023 14:51



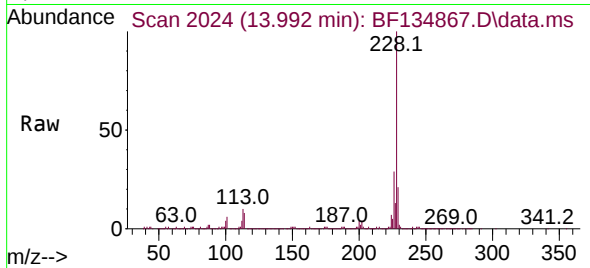
Tgt Ion:228 Resp: 285171
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.3 33.5
 229 20.4 15.8 23.6





#83
Chrysene
Concen: 11.315 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

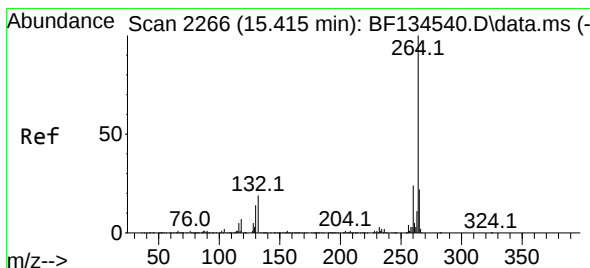
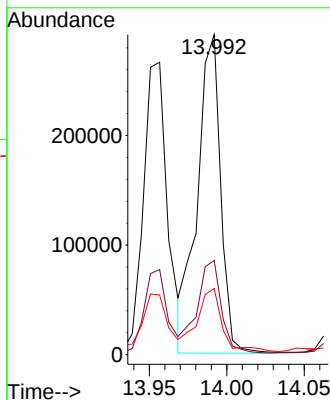
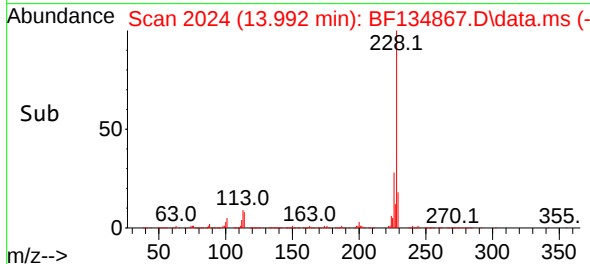
Instrument :
BNA_F
ClientSampleId :
B-PP06A



Tgt Ion:228 Resp: 306217
Ion Ratio Lower Upper
228 100
226 29.4 24.5 36.7
229 20.7 15.8 23.8

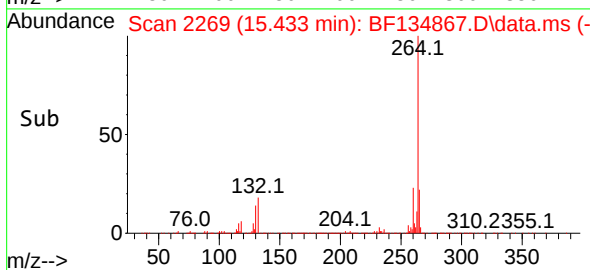
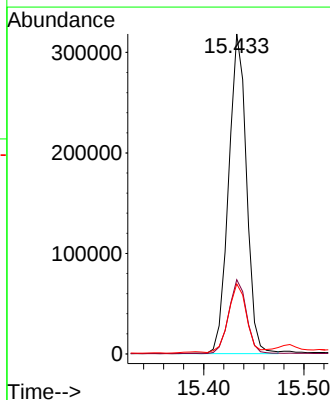
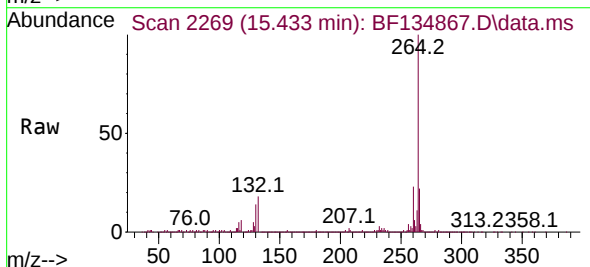
Manual Integrations
APPROVED

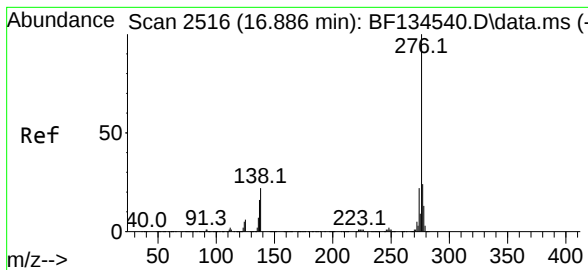
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

Tgt Ion:264 Resp: 395322
Ion Ratio Lower Upper
264 100
260 23.2 18.4 27.6
265 21.9 15.8 23.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.602 ng
RT: 16.909 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

ClientSampleId :

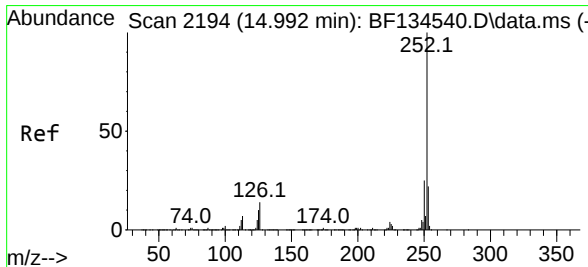
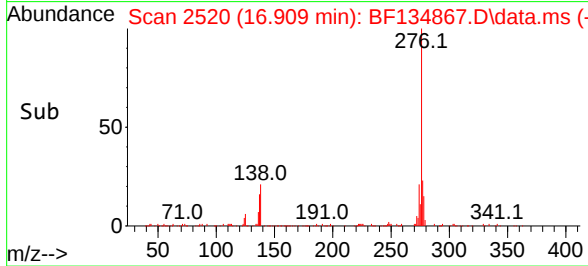
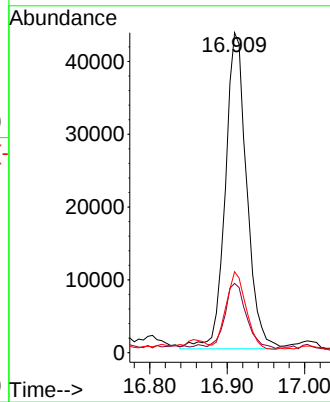
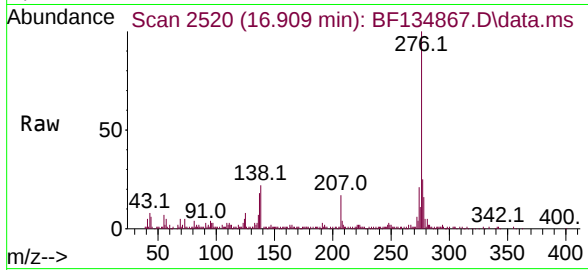
B-PP06A

Tgt Ion:276 Resp: 8375
Ion Ratio Lower Upper
276 100
138 20.5 14.2 21.4
277 22.9 19.9 29.9

Manual Integrations

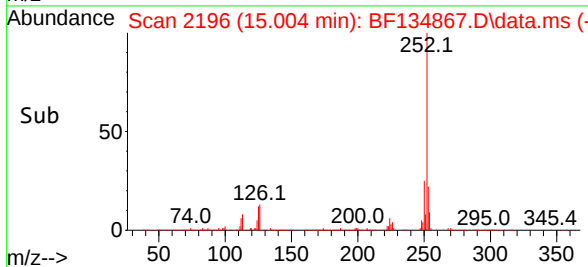
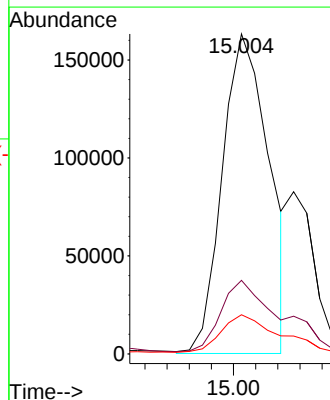
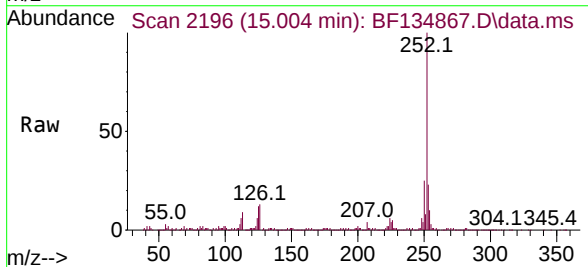
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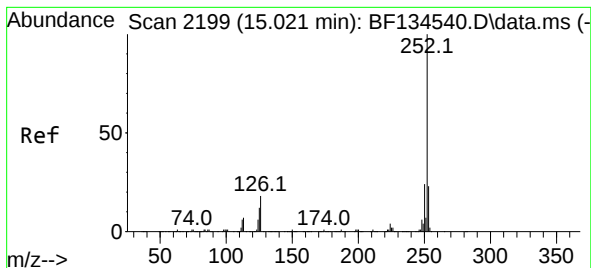
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#88
Benzo(b)fluoranthene
Concen: 9.941 ng m
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF134867.D
Acq: 21 Aug 2023 14:51

Tgt Ion:252 Resp: 239685
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 12.2 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 2.920 ng m

RT: 15.027 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

Instrument :

BNA_F

ClientSampleId :

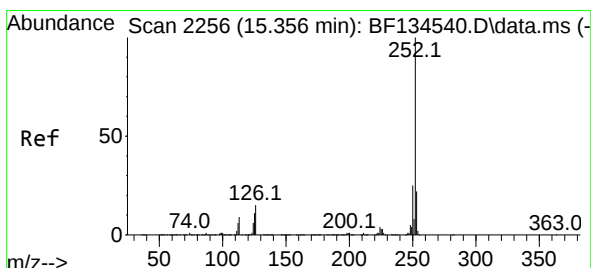
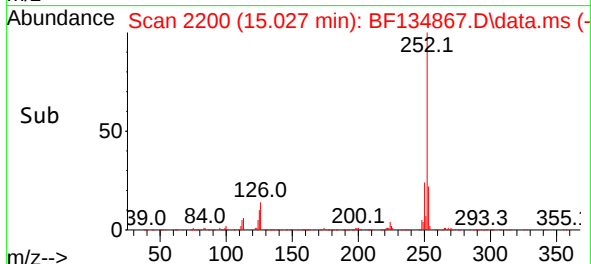
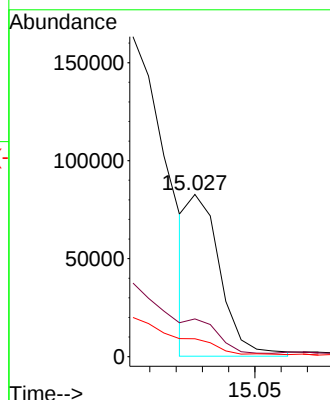
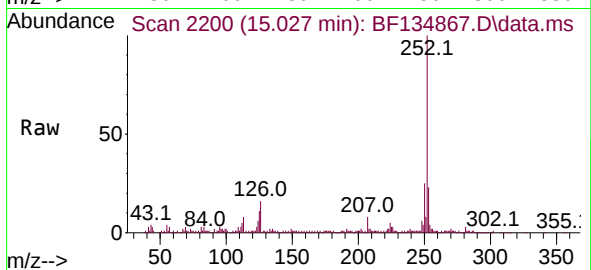
B-PP06A

Tgt Ion:252 Resp: 70140
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.9 26.9
 125 11.0 6.3 9.5

Manual Integrations

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 Supervised By :mohammad ahmed 08/22/2023



#90

Benzo(a)pyrene

Concen: 8.773 ng

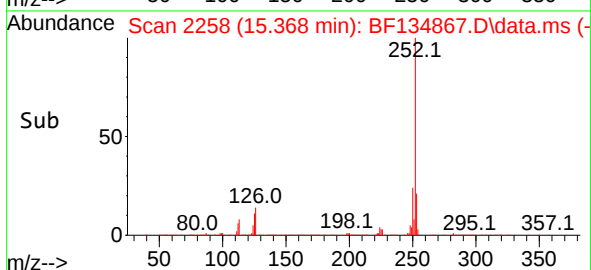
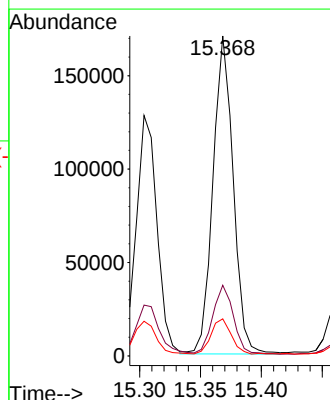
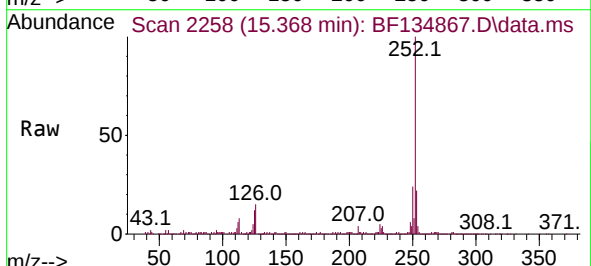
RT: 15.368 min Scan# 2258

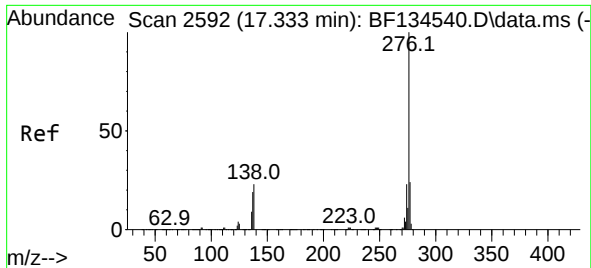
Delta R.T. -0.012 min

Lab File: BF134867.D

Acq: 21 Aug 2023 14:51

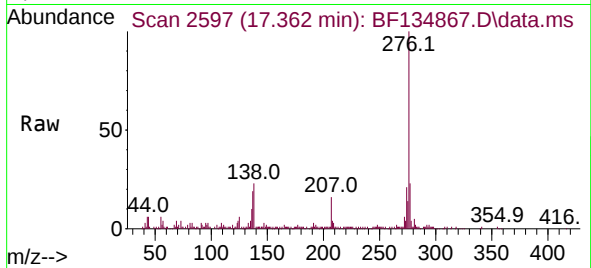
Tgt Ion:252 Resp: 197226
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.0 25.4
 125 11.6 6.2 9.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.759 ng
 RT: 17.362 min Scan# 2597
 Delta R.T. -0.012 min
 Lab File: BF134867.D
 Acq: 21 Aug 2023 14:51

Instrument :
 BNA_F
 ClientSampleId :
 B-PP06A



Tgt Ion:276 Resp: 91209
 Ion Ratio Lower Upper
 276 100
 277 22.7 19.0 28.6
 138 22.7 12.2 18.2

Manual Integrations
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Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023

