

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134807.D
 Acq On : 16 Aug 2023 14:16
 Operator : CG\JU
 Sample : 04014-04DL2 200X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB06-Z84-85DL2

Manual Integrations
 APPROVED

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

Quant Time: Aug 17 01:33:04 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	156427	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	586433	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	253040	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	377372	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	273890	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	202294	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	2163	0.210	ng	0.00
7) Phenol-d6	6.428	99	2501	0.190	ng	-0.01
23) Nitrobenzene-d5	7.357	82	2258m	0.241	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	384	0.149	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	5016	0.330	ng	-0.01
79) Terphenyl-d14	12.916	244	5007	0.322	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.104	128	1487748	50.478	ng	99
37) 2-Methylnaphthalene	8.792	142	377849	19.341	ng	99
38) 1-Methylnaphthalene	8.892	142	379131	20.870	ng	98
46) 1,1'-Biphenyl	9.257	154	78762	4.003	ng	96
52) Acenaphthene	9.869	154	249007	16.579	ng	99
58) Fluorene	10.386	166	127646	8.196	ng	93
71) Phenanthrene	11.351	178	528065	26.345	ng	99
72) Anthracene	11.398	178	147221	7.190	ng	99
75) Fluoranthene	12.539	202	182867	8.637	ng	95
78) Pyrene	12.769	202	271675	11.463	ng	96
81) Benzo(a)anthracene	13.963	228	87047m	4.445	ng	
83) Chrysene	13.998	228	75855	3.976	ng	96
88) Benzo(b)fluoranthene	15.015	252	33174m	2.689	ng	
90) Benzo(a)pyrene	15.386	252	36230	3.149	ng	# 90

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

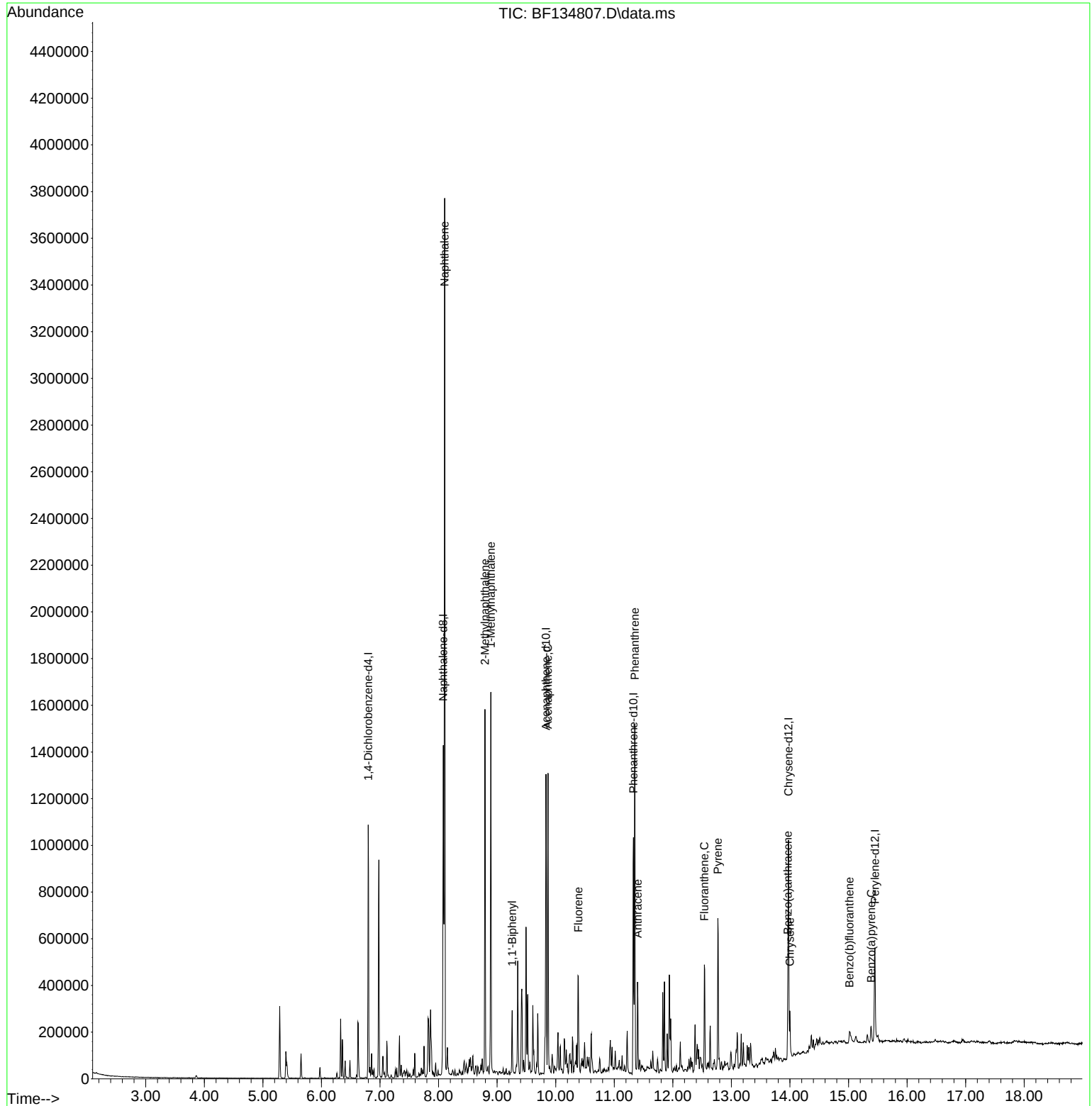
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
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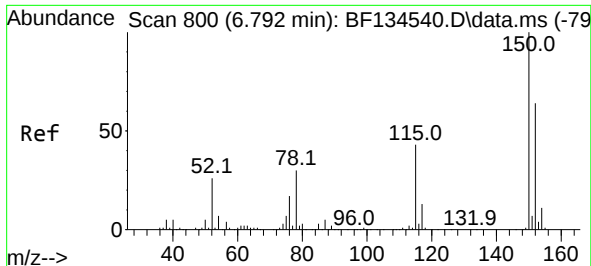
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Quant Time: Aug 17 01:33:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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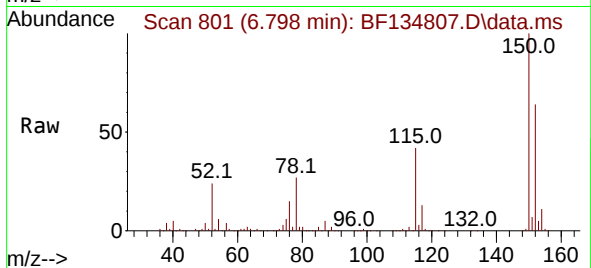
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

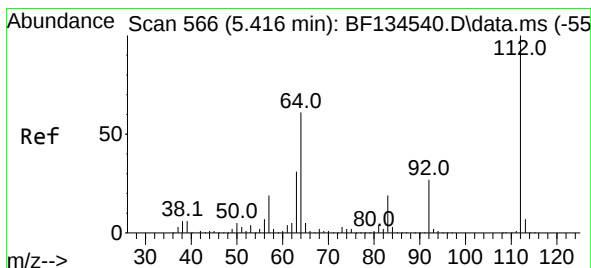
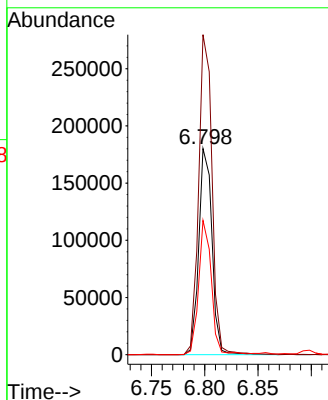
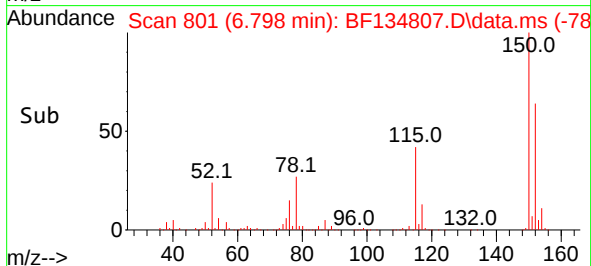
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2



Tgt Ion:152 Resp: 15642
Ion Ratio Lower Upper
152 100
150 155.3 128.3 192.5
115 65.2 52.4 78.6

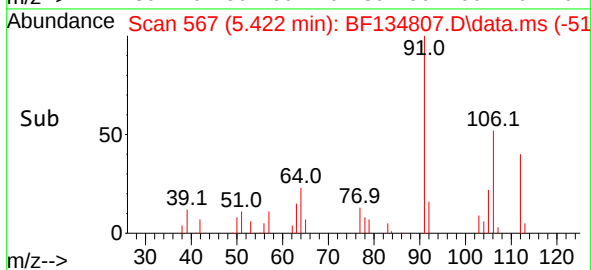
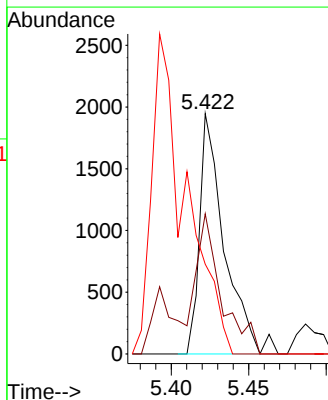
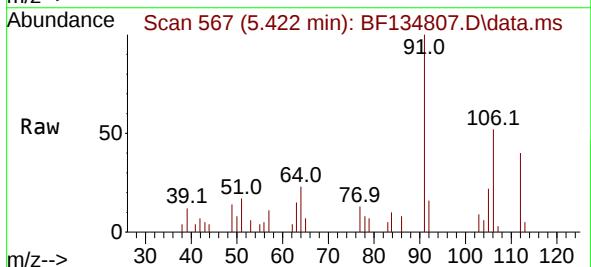
Manual Integrations
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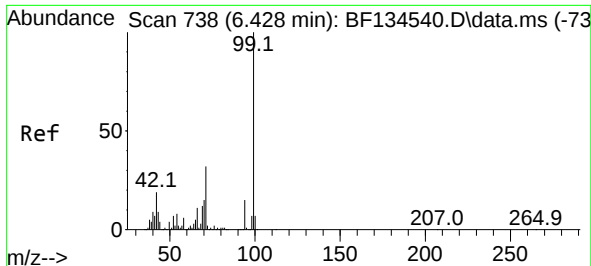
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#5
2-Fluorophenol
Concen: 0.210 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

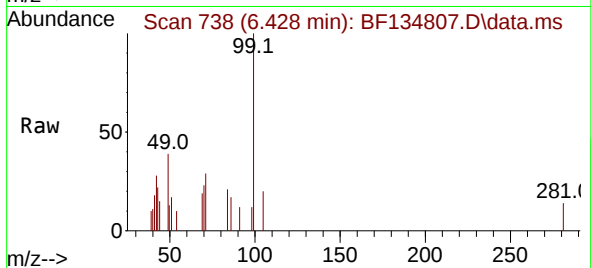
Tgt Ion:112 Resp: 2163
Ion Ratio Lower Upper
112 100
64 58.3 44.9 67.3
63 37.4 25.4 38.0





#7
Phenol-d6
Concen: 0.190 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

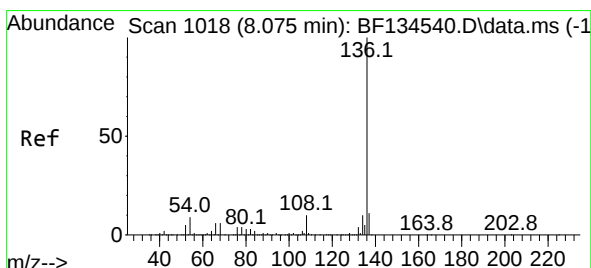
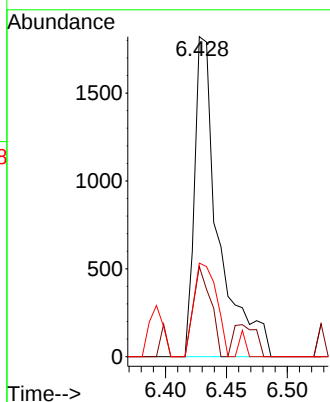
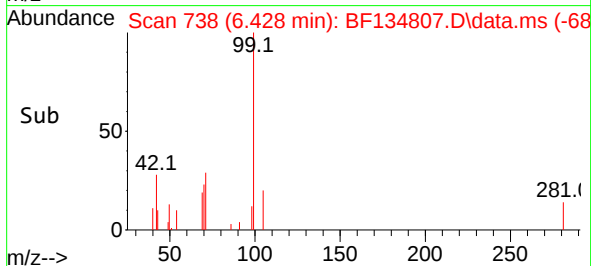
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2



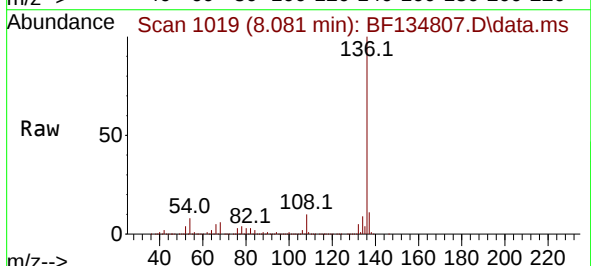
Tgt Ion: 99 Resp: 250
Ion Ratio Lower Upper
99 100
42 28.1 18.7 28.1
71 29.2 36.4 54.6

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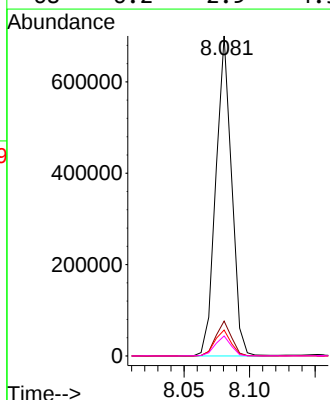
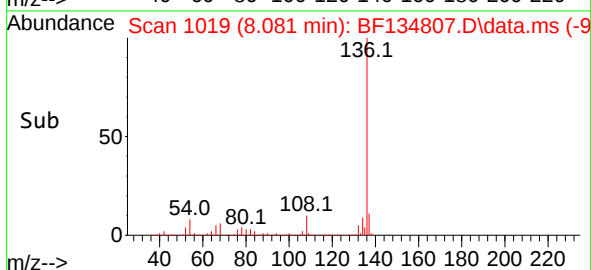
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

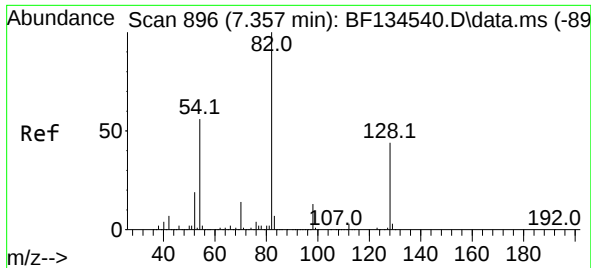


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16



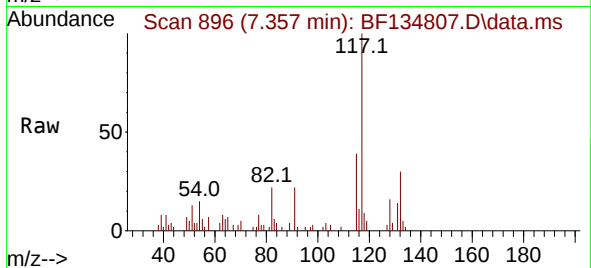
Tgt Ion:136 Resp: 586433
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.1 5.2 7.8#
68 6.2 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 0.241 ng m
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

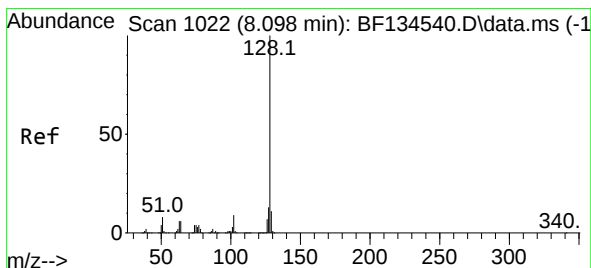
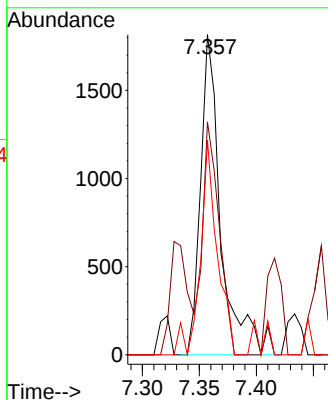
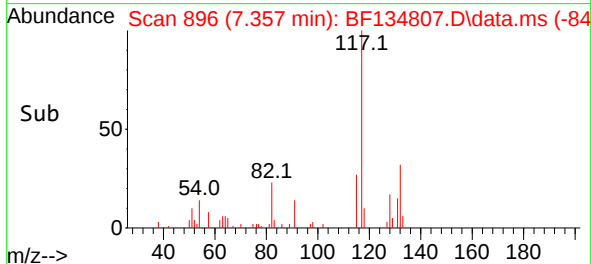
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2



Tgt Ion: 82 Resp: 225
Ion Ratio Lower Upper
82 100
128 72.7 34.3 51.5
54 67.0 43.8 65.6

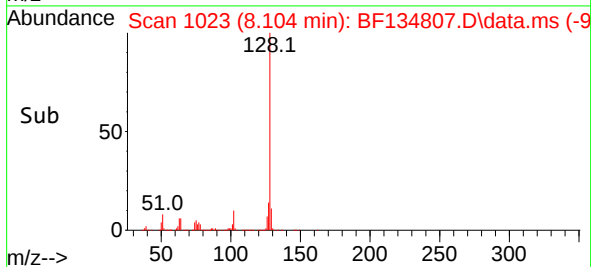
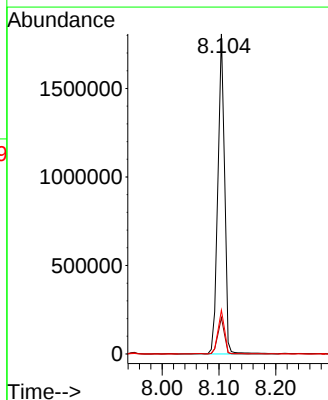
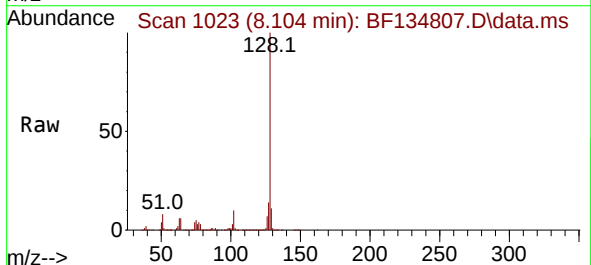
Manual Integrations
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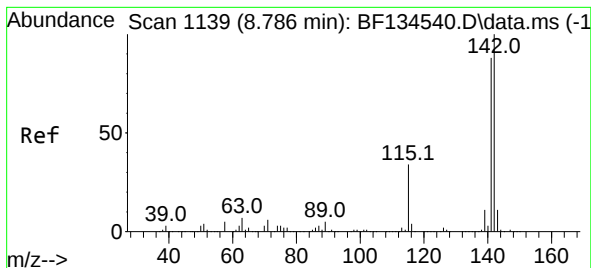
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#31
Naphthalene
Concen: 50.478 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:128 Resp: 1487748
Ion Ratio Lower Upper
128 100
129 11.4 8.4 12.6
127 13.7 10.7 16.1





#37

2-Methylnaphthalene

Concen: 19.341 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z84-85DL2

Tgt Ion:142 Resp: 377849

Ion Ratio Lower Upper

142 100

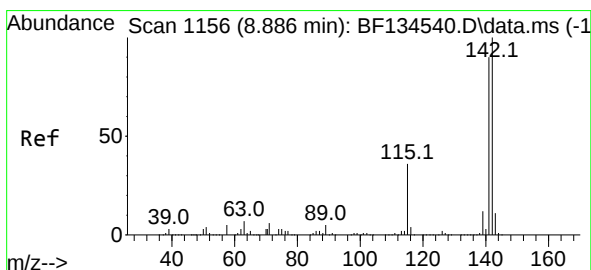
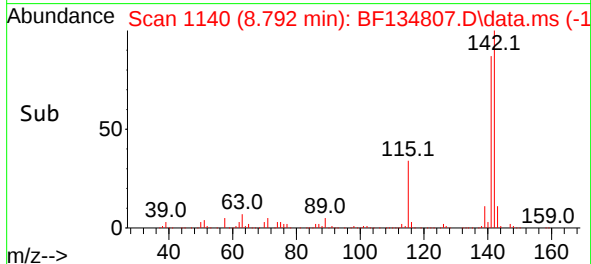
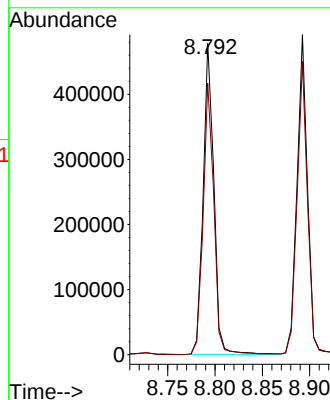
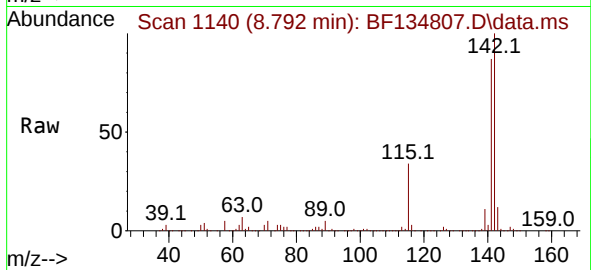
141 87.2 70.8 106.2

Manual Integrations

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Supervised By :mohammad ahmed 08/17/2023



#38

1-Methylnaphthalene

Concen: 20.870 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134807.D

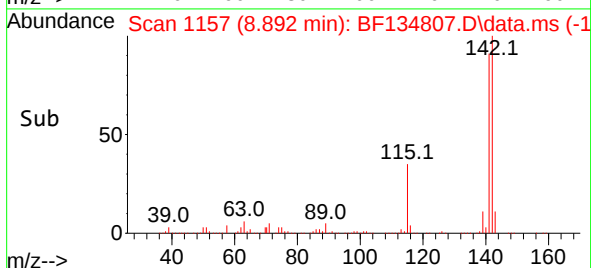
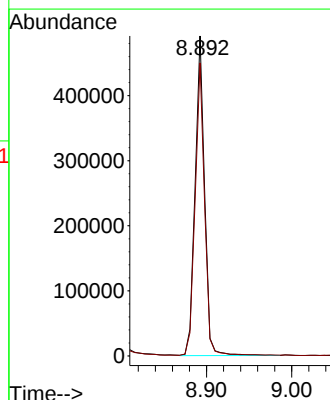
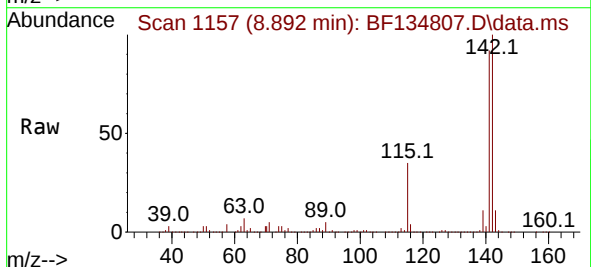
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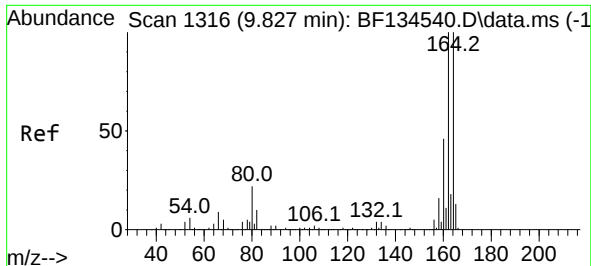
Tgt Ion:142 Resp: 379131

Ion Ratio Lower Upper

142 100

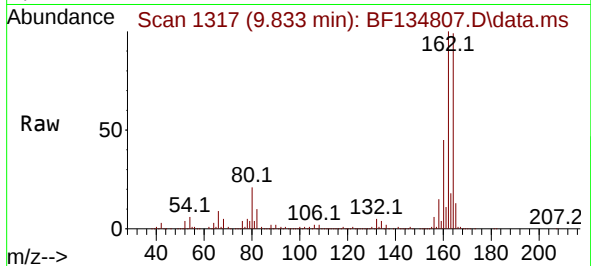
141 91.6 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

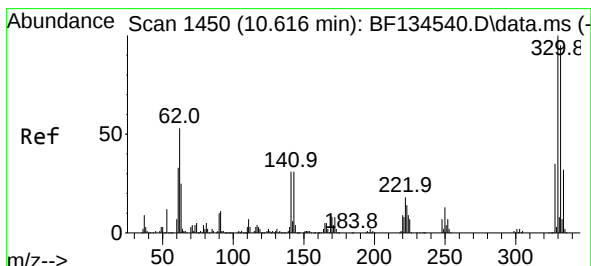
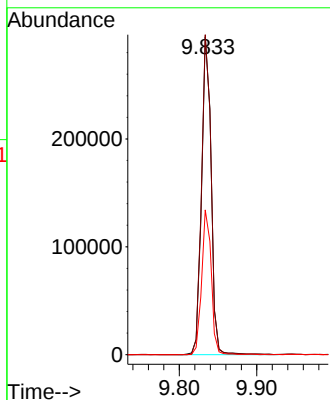
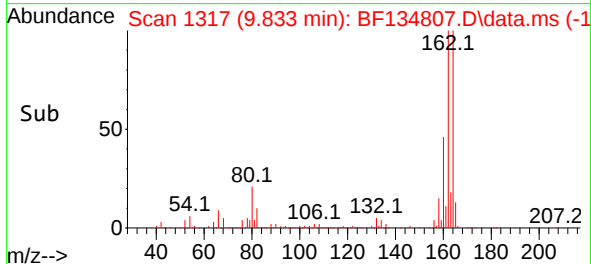
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NEVINS-SB06-Z84-85DL2



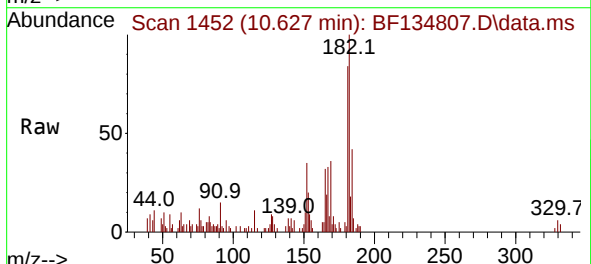
Tgt Ion:164 Resp: 253040
Ion Ratio Lower Upper
164 100
162 100.6 82.6 123.8
160 45.5 37.2 55.8

Manual Integrations
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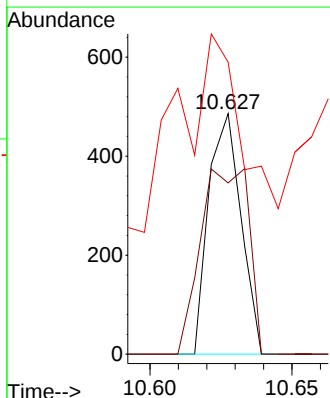
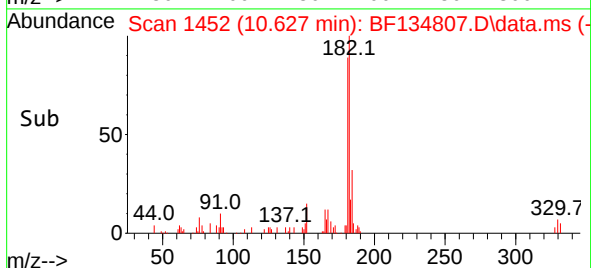
Reviewed By :Yogesh Patel 08/17/2023
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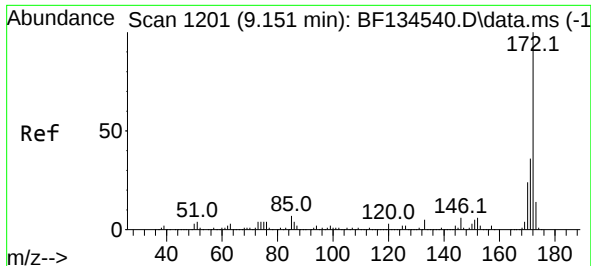


#42
2,4,6-Tribromophenol
Concen: 0.149 ng
RT: 10.627 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16



Tgt Ion:330 Resp: 384
Ion Ratio Lower Upper
330 100
332 114.8 78.8 118.2
141 158.9 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 0.330 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134807.D

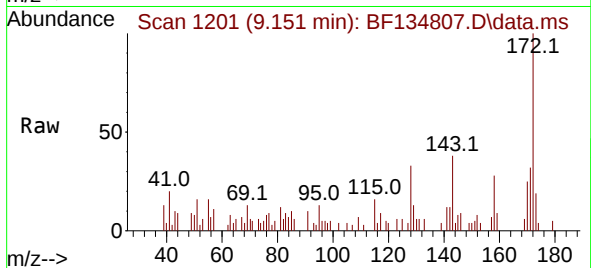
Acq: 16 Aug 2023 14:16

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z84-85DL2



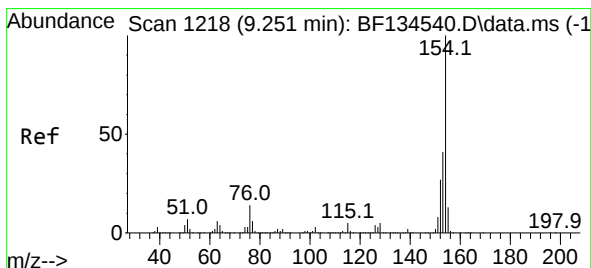
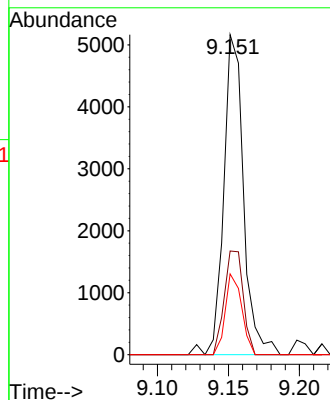
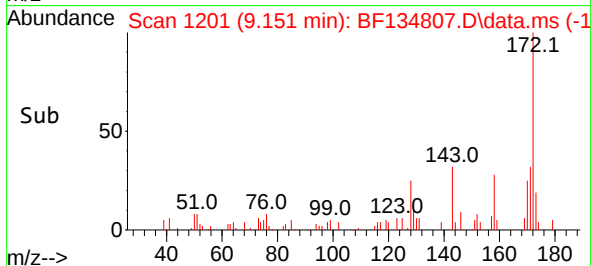
Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.4	28.8	43.2
170	25.3	18.7	28.1

Manual Integrations

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Supervised By :mohammad ahmed 08/17/2023



#46

1,1'-Biphenyl

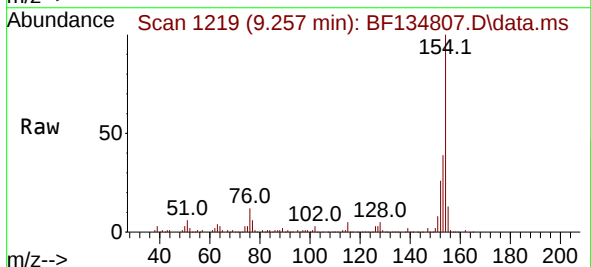
Concen: 4.003 ng

RT: 9.257 min Scan# 1219

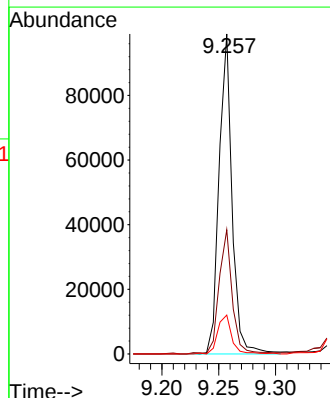
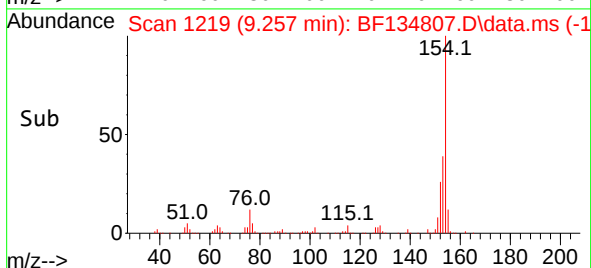
Delta R.T. -0.006 min

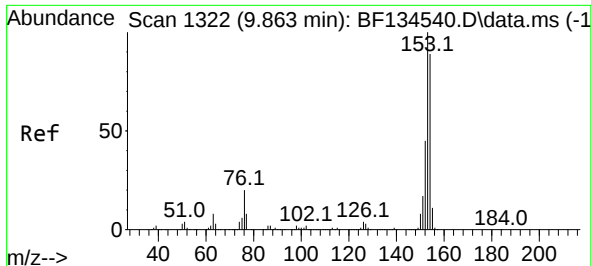
Lab File: BF134807.D

Acq: 16 Aug 2023 14:16



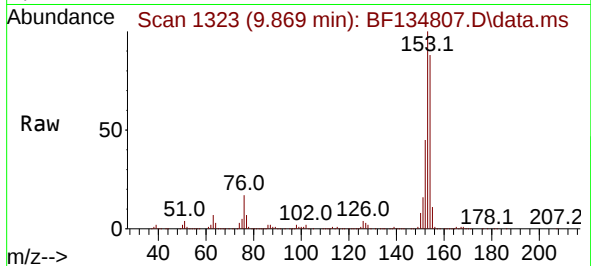
Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.8	20.8	60.8
76	12.2	0.0	30.2





#52
Acenaphthene
Concen: 16.579 ng
RT: 9.869 min Scan# 111
Delta R.T. -0.006 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

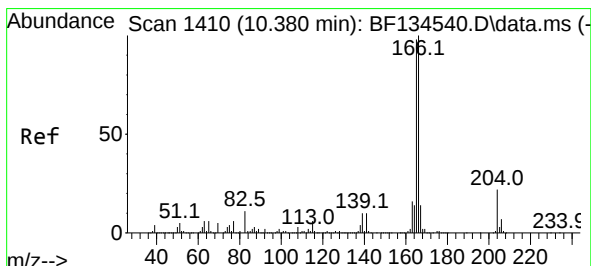
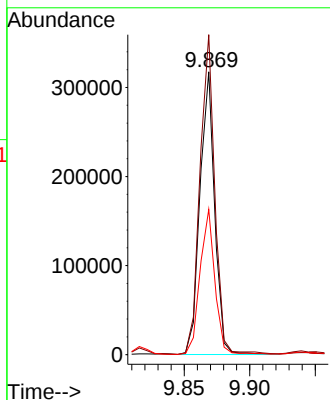
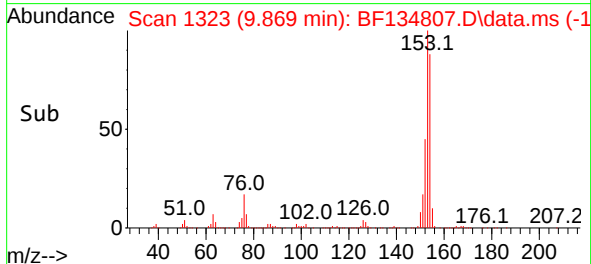
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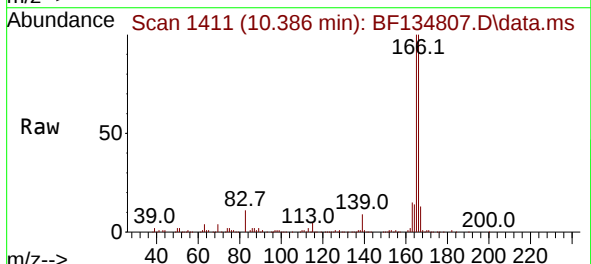
Tgt Ion:154 Resp: 24900
Ion Ratio Lower Upper
154 100
153 113.1 90.0 135.0
152 51.4 42.4 63.6

Manual Integrations
APPROVED

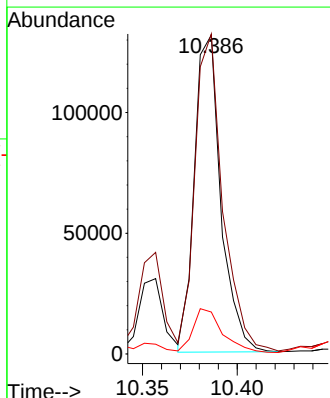
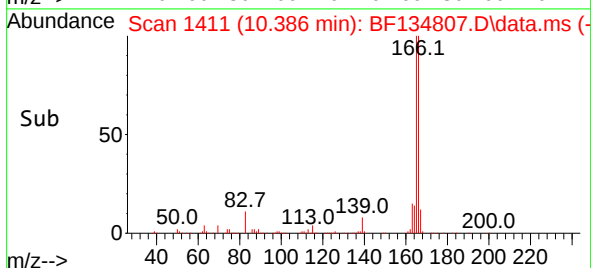
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

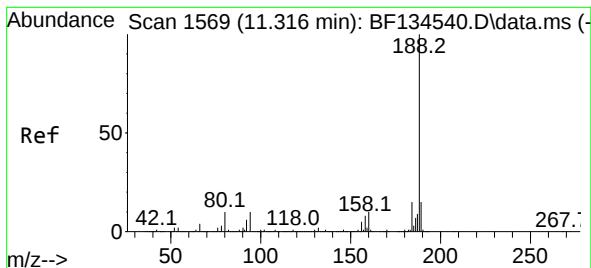


#58
Fluorene
Concen: 8.196 ng
RT: 10.386 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16



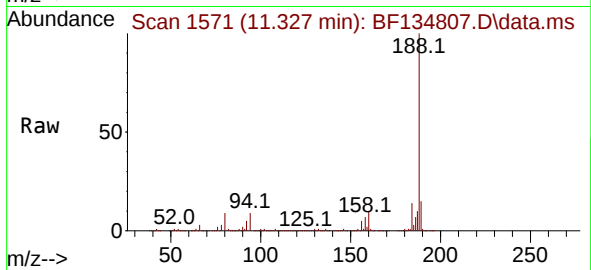
Tgt Ion:166 Resp: 127646
Ion Ratio Lower Upper
166 100
165 100.3 74.5 111.7
167 13.1 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. 0.006 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

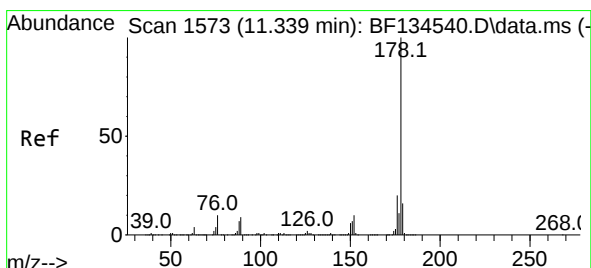
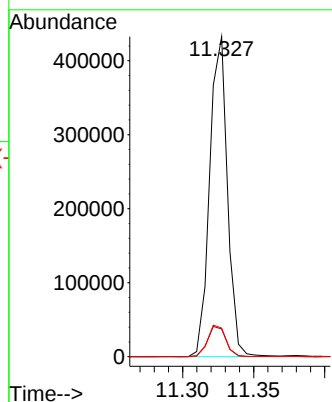
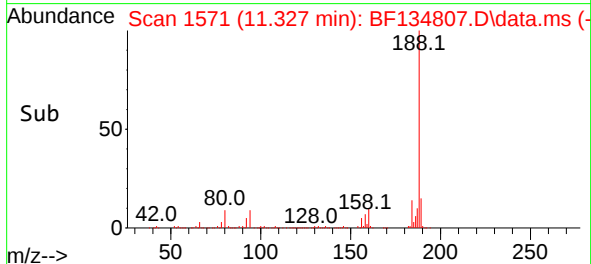
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2



Tgt Ion:188 Resp: 377372
Ion Ratio Lower Upper
188 100
94 8.6 5.1 7.7
80 9.0 6.6 9.8

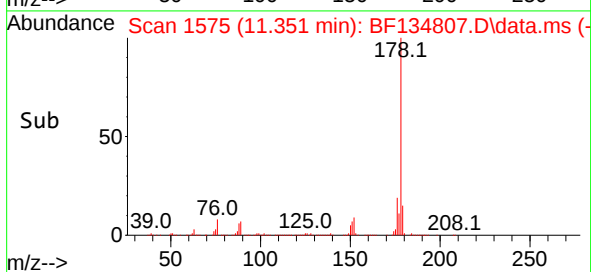
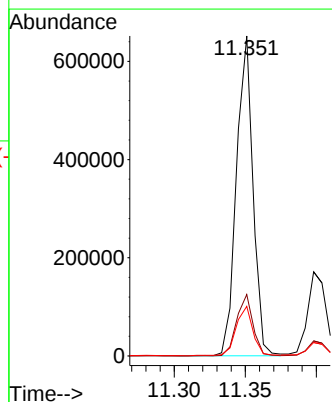
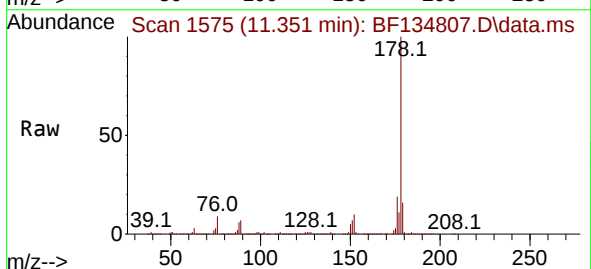
Manual Integrations
APPROVED

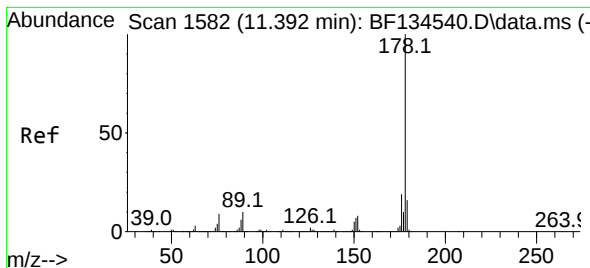
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#71
Phenanthrene
Concen: 26.345 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:178 Resp: 528065
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.5 12.7 19.1





#72

Anthracene

Concen: 7.190 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z84-85DL2

Tgt Ion:178 Resp: 14722

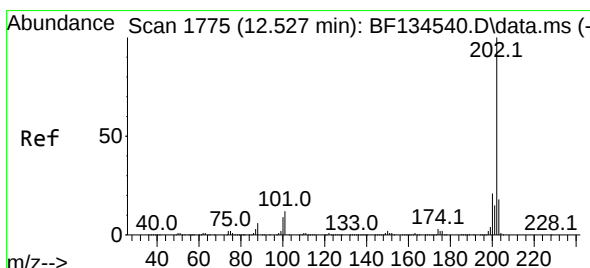
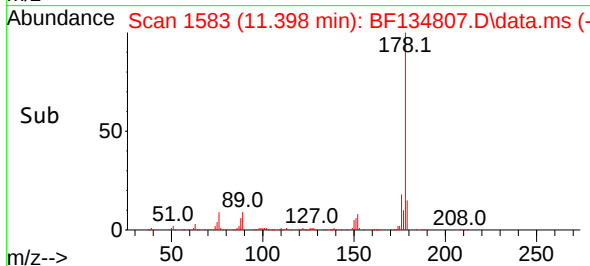
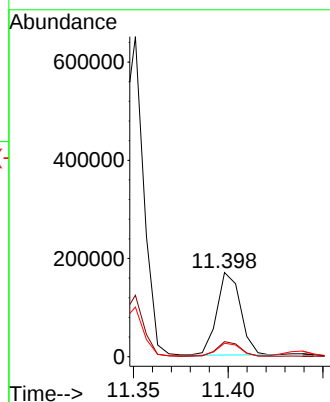
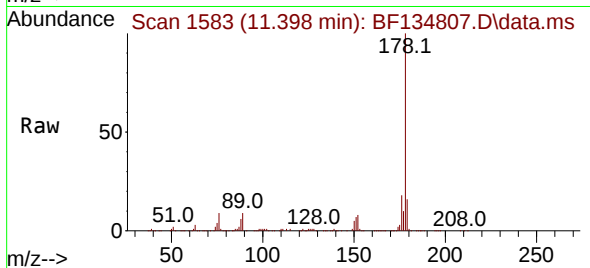
Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	21.8
179	16.0	12.3	18.5

Manual Integrations

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Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#75

Fluoranthene

Concen: 8.637 ng

RT: 12.539 min Scan# 1777

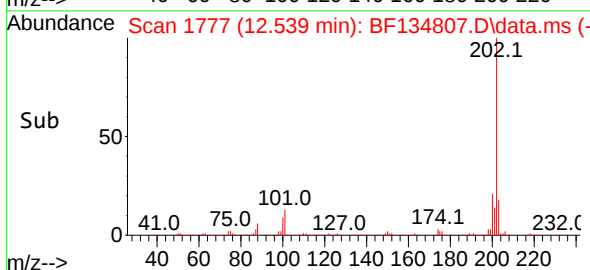
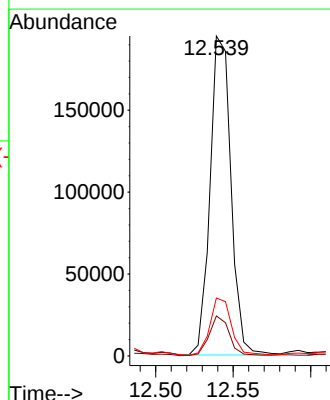
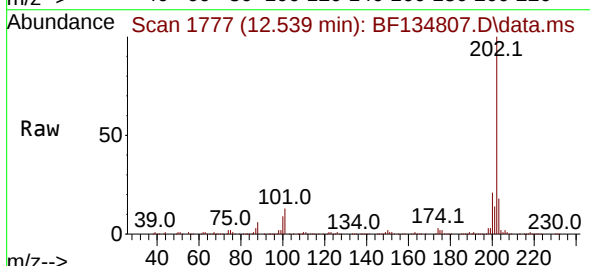
Delta R.T. 0.000 min

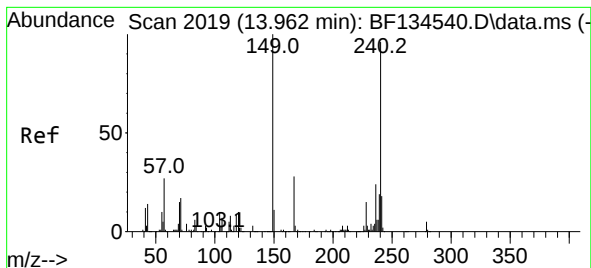
Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

Tgt Ion:202 Resp: 182867

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	28.5
203	18.1	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z84-85DL2

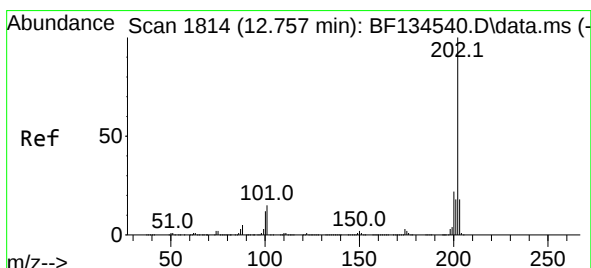
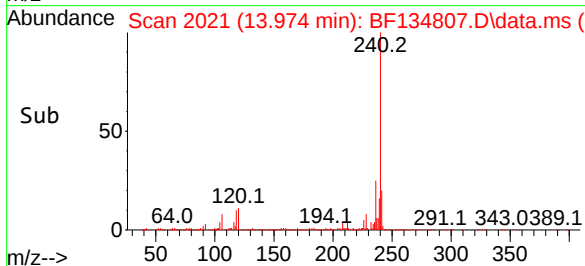
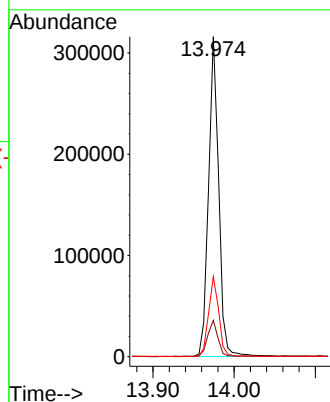
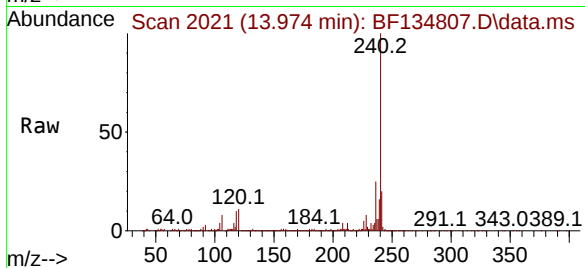
Tgt Ion:240 Resp: 273890
 Ion Ratio Lower Upper
 240 100
 120 11.3 6.6 10.0
 236 25.0 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#78

Pyrene

Concen: 11.463 ng

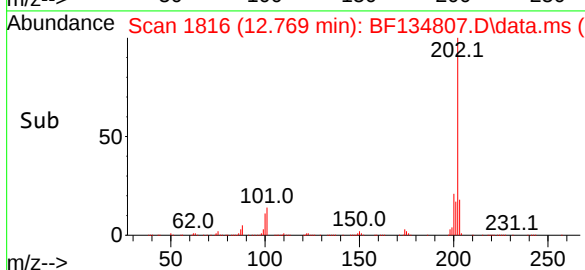
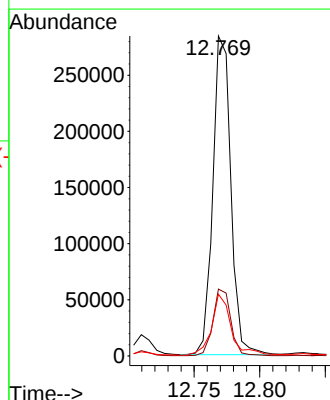
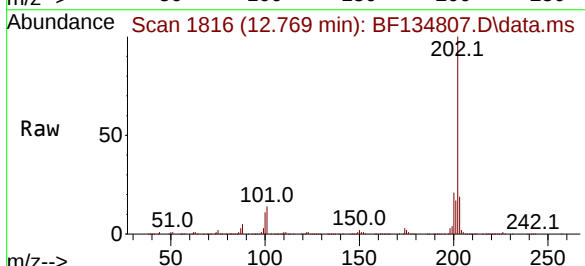
RT: 12.769 min Scan# 1816

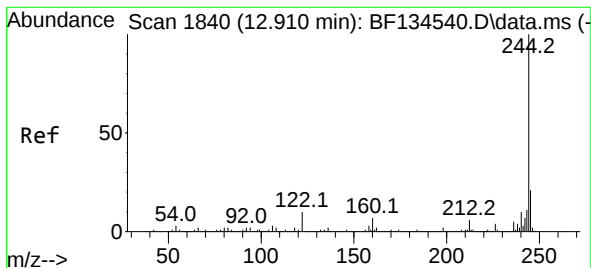
Delta R.T. 0.000 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

Tgt Ion:202 Resp: 271675
 Ion Ratio Lower Upper
 202 100
 200 20.9 15.8 23.8
 203 19.3 13.5 20.3





#79

Terphenyl-d14

Concen: 0.322 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF134807.D

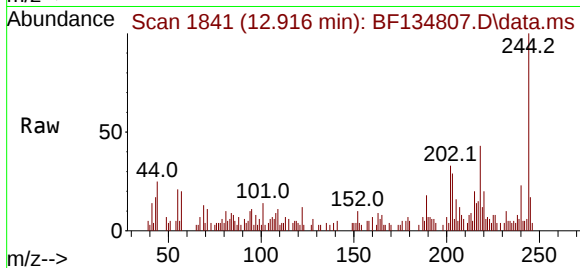
Acq: 16 Aug 2023 14:16

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z84-85DL2



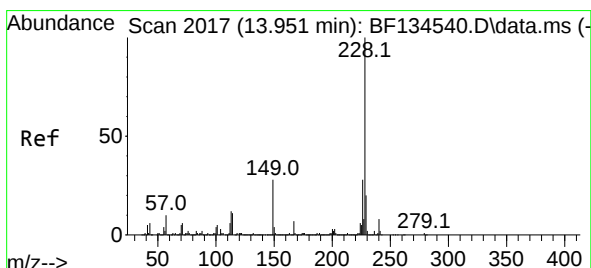
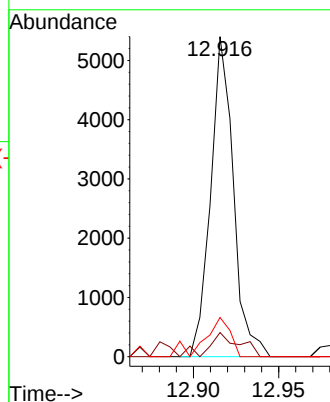
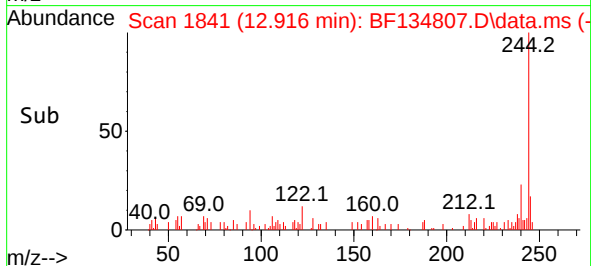
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.6	8.4
122	12.2	8.0	12.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#81

Benzo(a)anthracene

Concen: 4.445 ng m

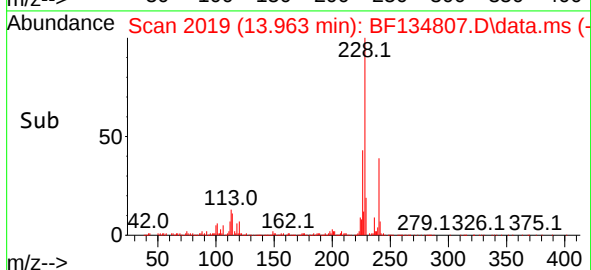
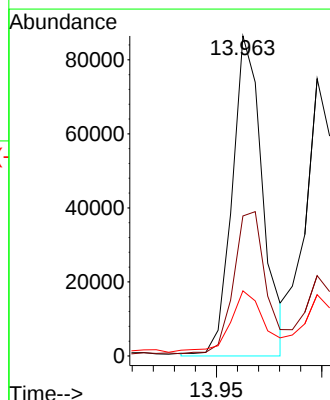
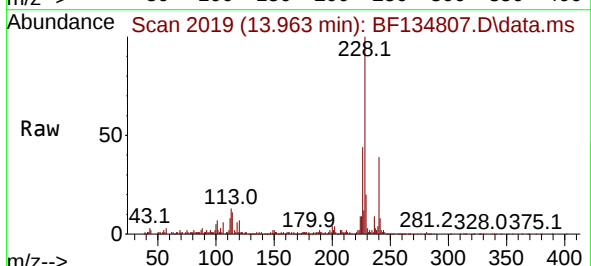
RT: 13.963 min Scan# 2019

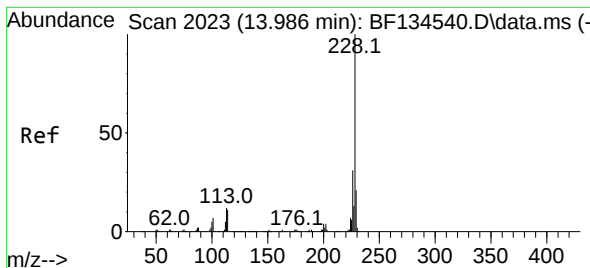
Delta R.T. 0.000 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	43.7	22.3	33.5
229	20.3	15.8	23.6





#83

Chrysene

Concen: 3.976 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z84-85DL2

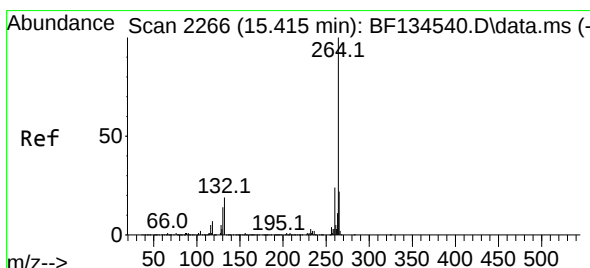
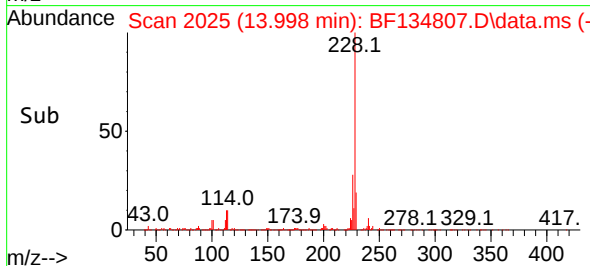
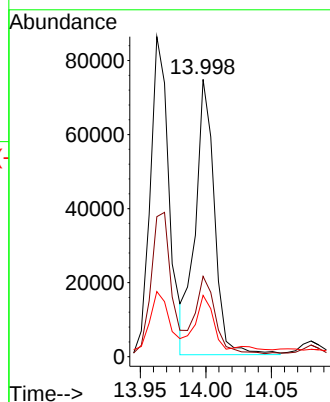
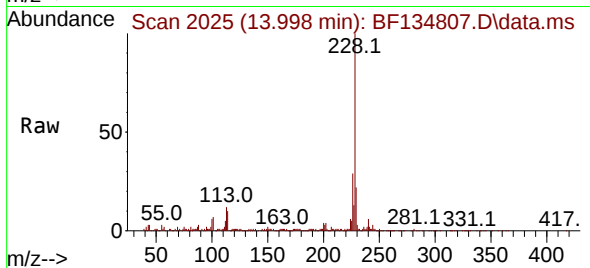
Tgt Ion:228 Resp: 7585
 Ion Ratio Lower Upper
 228 100
 226 29.0 24.5 36.7
 229 22.1 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#86

Perylene-d12

Concen: 20.000 ng

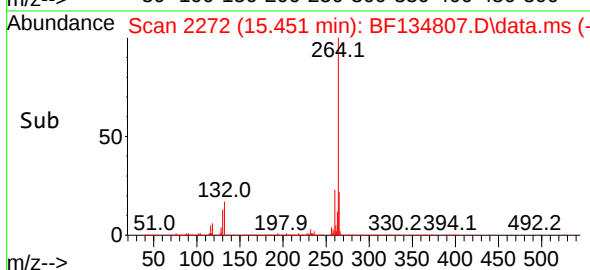
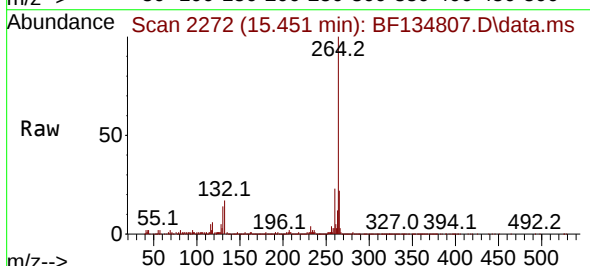
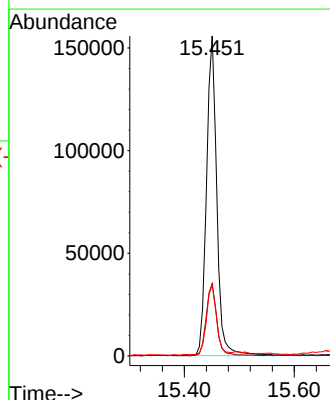
RT: 15.451 min Scan# 2272

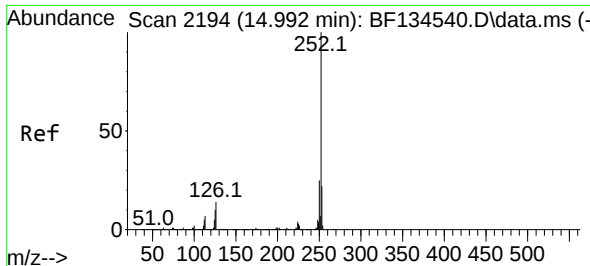
Delta R.T. 0.012 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

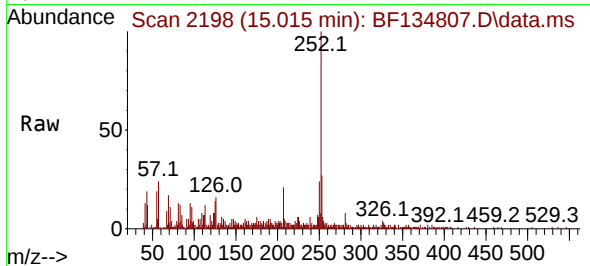
Tgt Ion:264 Resp: 202294
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.4 27.6
 265 22.2 15.8 23.8





#88
Benzo(b)fluoranthene
Concen: 2.689 ng m
RT: 15.015 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

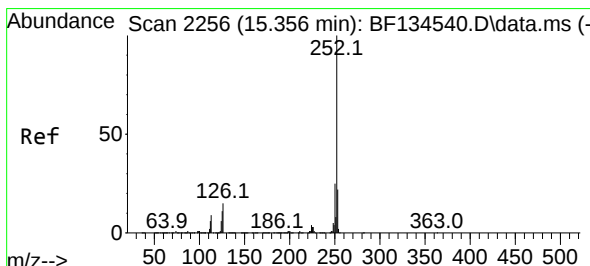
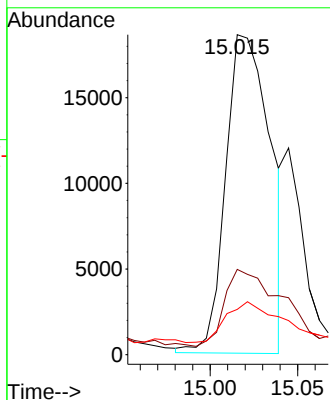
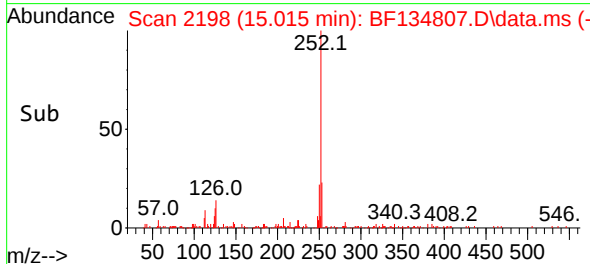
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2



Tgt Ion:252 Resp: 33174
Ion Ratio Lower Upper
252 100
253 26.7 17.3 25.9
125 14.1 6.0 9.0

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



#90
Benzo(a)pyrene
Concen: 3.149 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:252 Resp: 36230
Ion Ratio Lower Upper
252 100
253 25.0 17.0 25.4
125 13.7 6.2 9.4

