

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
 Data File : BF134933.D
 Acq On : 24 Aug 2023 19:56
 Operator : CG\JU
 Sample : 04119-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2674

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/25/2023
 Supervised By :mohammad ahmed 08/25/2023

Quant Time: Aug 25 01:22:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	84951	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	264754	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	94899	20.000	ng	0.02
64) Phenanthrene-d10	11.416	188	94059	20.000	ng	# 0.09
76) Chrysene-d12	14.045	240	132581	20.000	ng	# 0.06
86) Perylene-d12	15.480	264	150036	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	108506	20.368	ng	0.00
7) Phenol-d6	6.428	99	154541	22.703	ng	-0.01
23) Nitrobenzene-d5	7.357	82	92256	19.201	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	27106	24.252	ng	0.05
45) 2-Fluorobiphenyl	9.157	172	152653	24.867	ng	0.00
79) Terphenyl-d14	13.033	244	98223	10.190	ng	0.11
Target Compounds						Qvalue
31) Naphthalene	8.098	128	28596	2.163	ng	# 56
37) 2-Methylnaphthalene	8.798	142	78895	8.949	ng	95
38) 1-Methylnaphthalene	8.892	142	75990	9.218	ng	93
46) 1,1'-Biphenyl	9.263	154	26339	3.516	ng	95
71) Phenanthrene	11.445	178	198885	40.351	ng	# 42
75) Fluoranthene	12.680	202	204693	43.830	ng	76
81) Benzo(a)anthracene	14.033	228	123727	13.678	ng	# 90
83) Chrysene	14.068	228	153856	17.239	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.968	276	98209	9.158	ng	96
88) Benzo(b)fluoranthene	15.057	252	223734m	26.431	ng	
89) Benzo(k)fluoranthene	15.080	252	52918m	6.366	ng	
90) Benzo(a)pyrene	15.421	252	125290	14.827	ng	# 96
91) Dibenzo(a,h)anthracene	16.974	278	21107	2.432	ng	# 80
92) Benzo(g,h,i)perylene	17.421	276	94079	10.591	ng	98

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

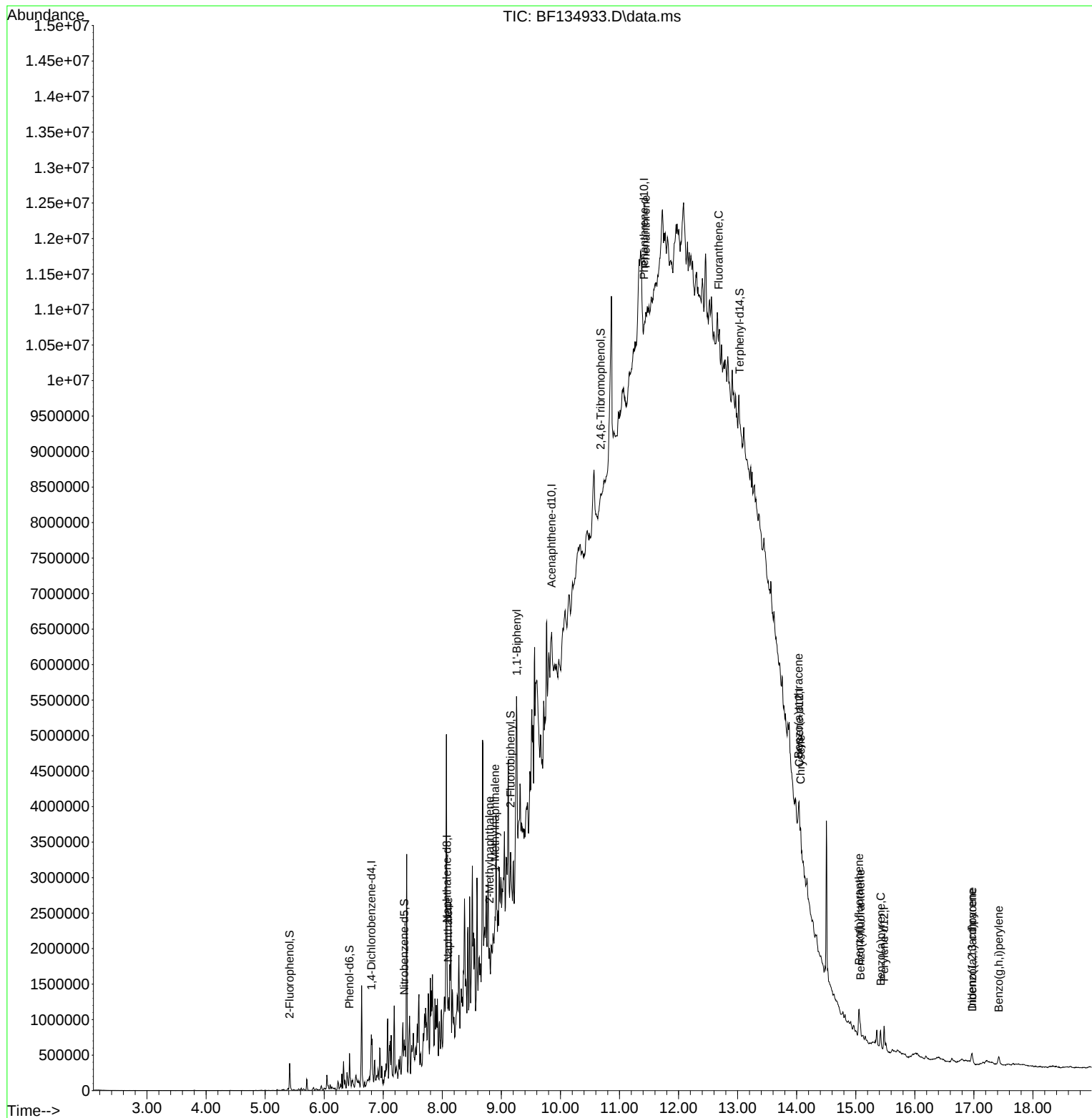
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
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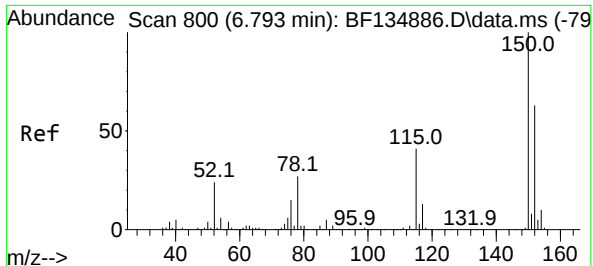
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
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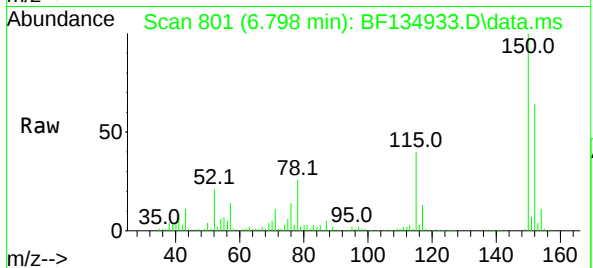
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.005 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

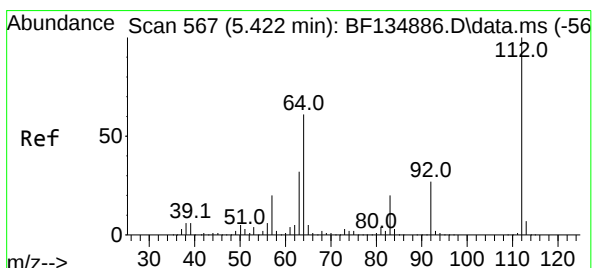
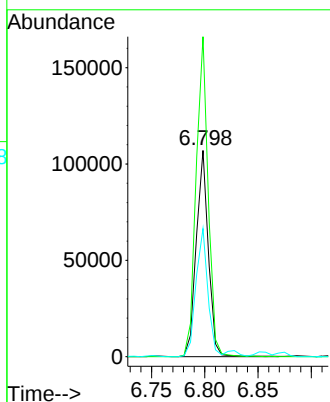
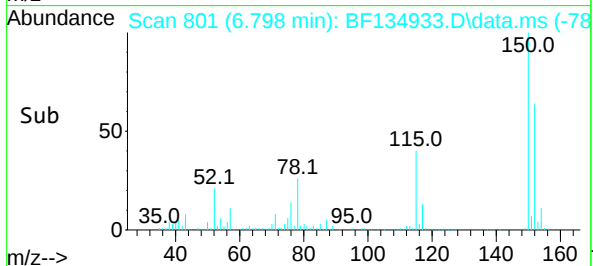
Instrument :
BNA_F
ClientSampleId :
RT2674



Tgt Ion:152 Resp: 8495
Ion Ratio Lower Upper
152 100
150 155.1 126.1 189.1
115 62.1 51.1 76.7

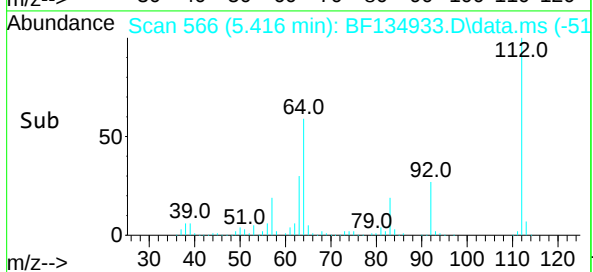
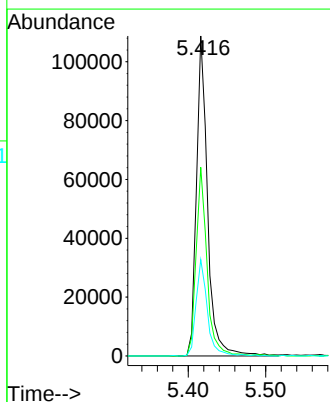
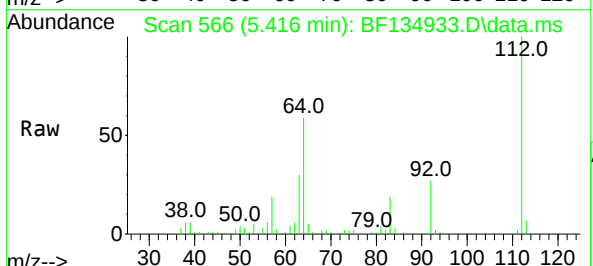
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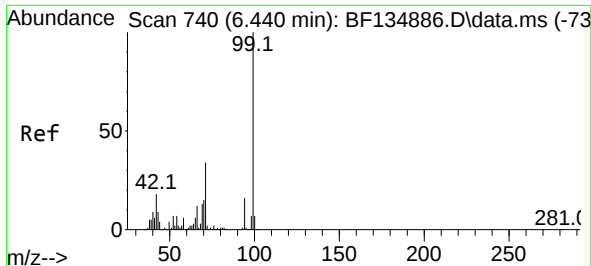
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#5
2-Fluorophenol
Concen: 20.368 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

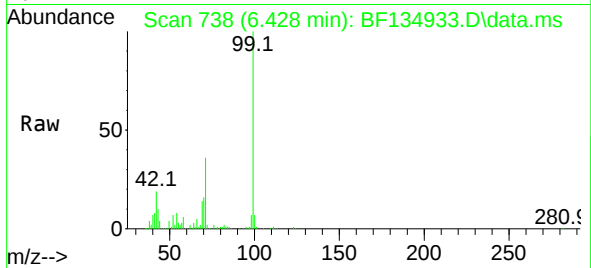
Tgt Ion:112 Resp: 108506
Ion Ratio Lower Upper
112 100
64 59.0 48.6 73.0
63 30.1 25.7 38.5





#7
Phenol-d6
Concen: 22.703 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

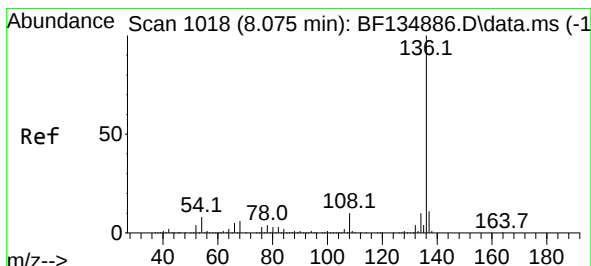
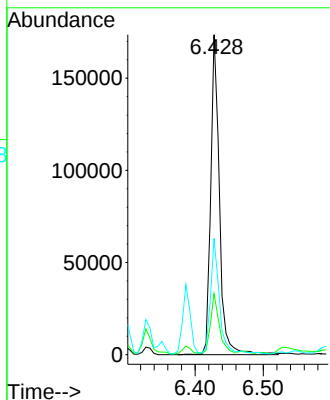
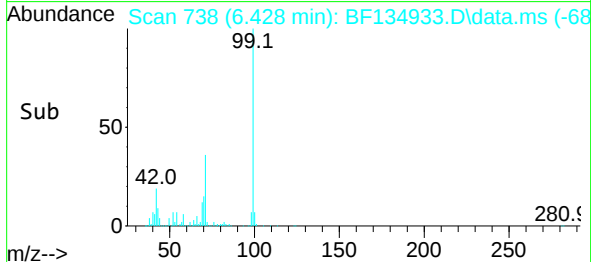
Instrument :
BNA_F
ClientSampleId :
RT2674



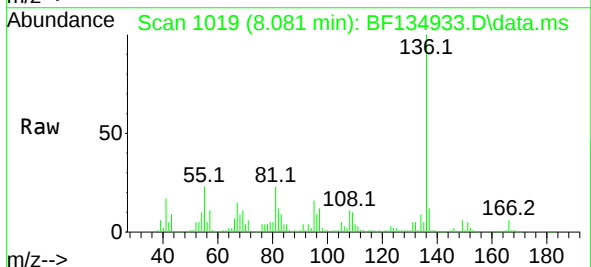
Tgt Ion: 99 Resp: 15454
Ion Ratio Lower Upper
99 100
42 19.0 14.6 22.0
71 36.4 27.6 41.4

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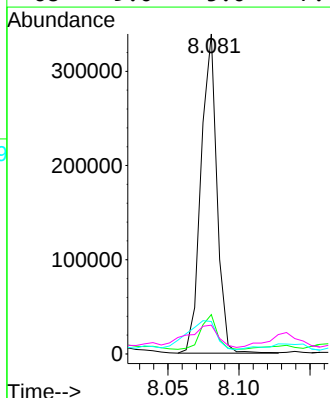
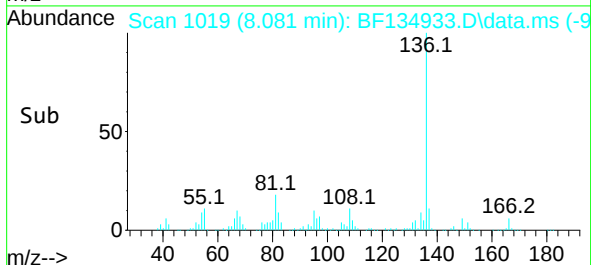
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023

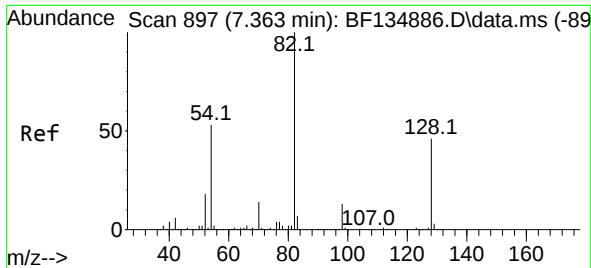


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56



Tgt Ion:136 Resp: 264754
Ion Ratio Lower Upper
136 100
137 12.3 8.9 13.3
54 10.1 6.6 9.8#
68 9.0 5.0 7.4#





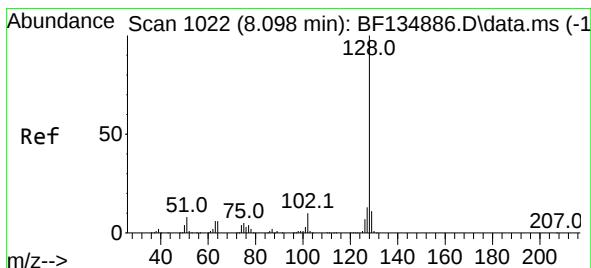
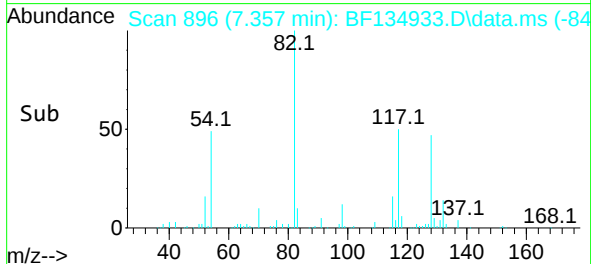
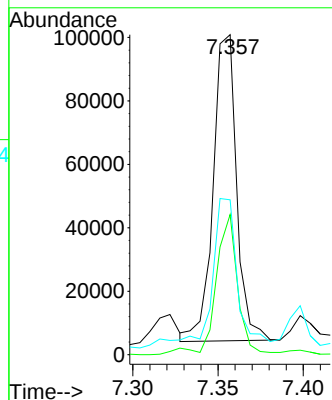
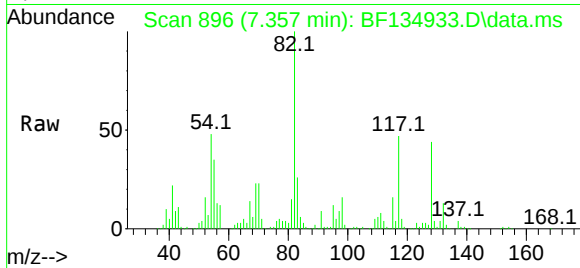
#23
Nitrobenzene-d5
Concen: 19.201 ng
RT: 7.357 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

Instrument :
BNA_F
ClientSampleId :
RT2674

Tgt Ion: 82 Resp: 92250
Ion Ratio Lower Upper
82 100
128 43.8 36.6 54.8
54 48.4 42.6 63.8

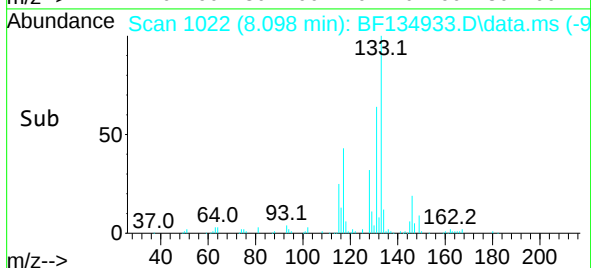
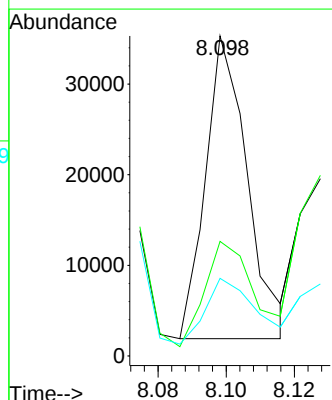
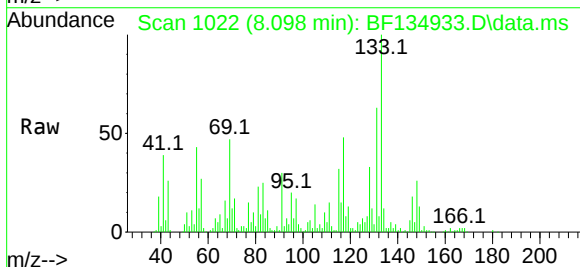
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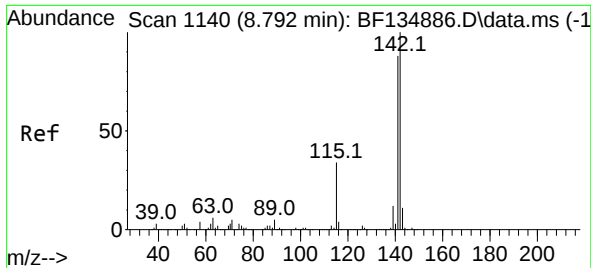
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#31
Naphthalene
Concen: 2.163 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.000 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

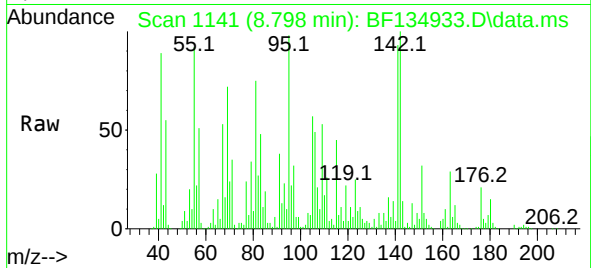
Tgt Ion:128 Resp: 28596
Ion Ratio Lower Upper
128 100
129 35.8 9.0 13.4#
127 24.3 10.6 16.0#





#37
2-Methylnaphthalene
Concen: 8.949 ng
RT: 8.798 min Scan# 1140
Delta R.T. 0.006 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

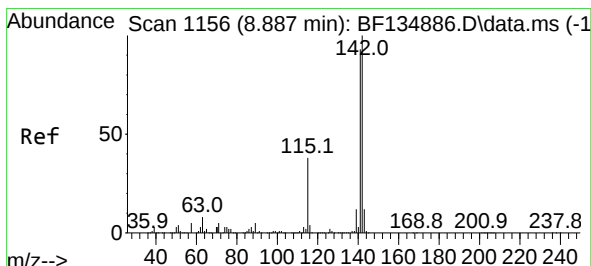
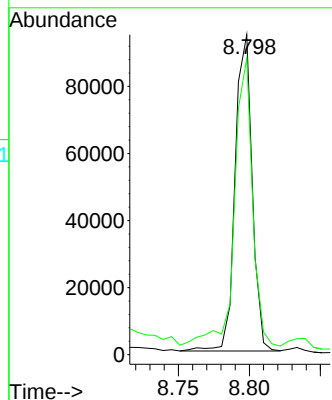
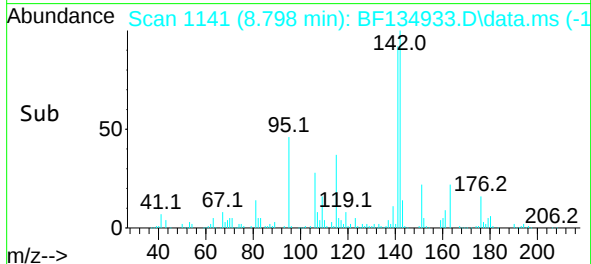
Instrument :
BNA_F
ClientSampleId :
RT2674



Tgt Ion:142 Resp: 7889
Ion Ratio Lower Upper
142 100
141 92.7 70.2 105.2

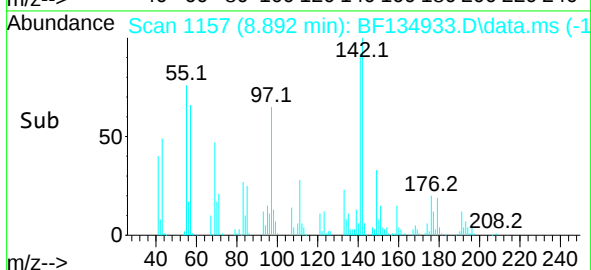
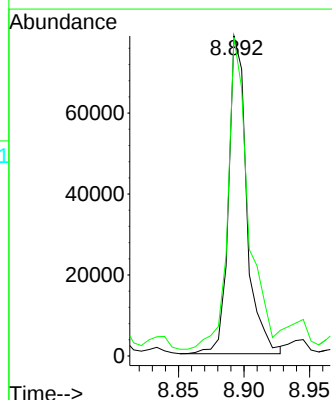
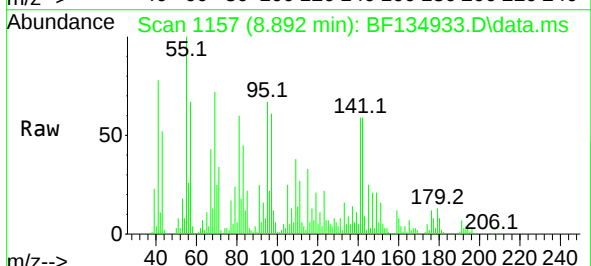
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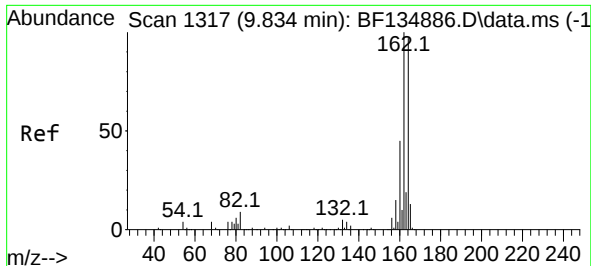
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#38
1-Methylnaphthalene
Concen: 9.218 ng
RT: 8.892 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

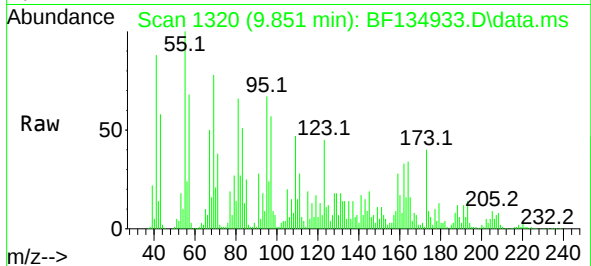
Tgt Ion:142 Resp: 75990
Ion Ratio Lower Upper
142 100
141 99.6 74.1 111.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

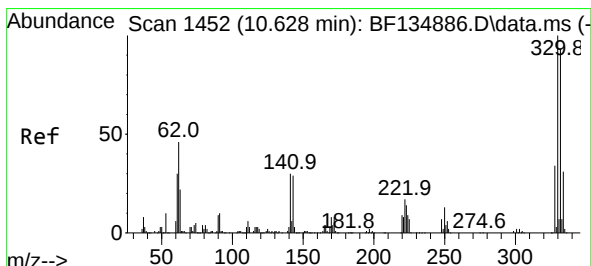
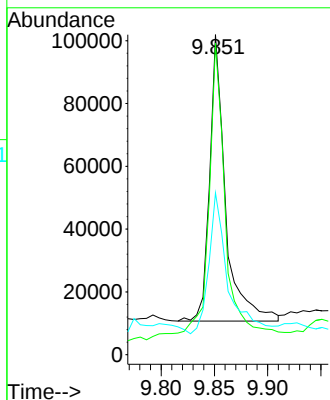
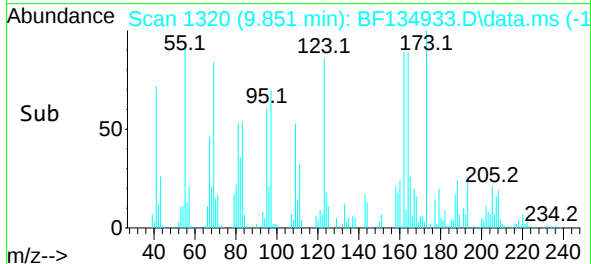
Instrument :
BNA_F
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RT2674



Tgt Ion:164 Resp: 9489
Ion Ratio Lower Upper
164 100
162 97.3 82.6 123.8
160 50.6 37.0 55.4

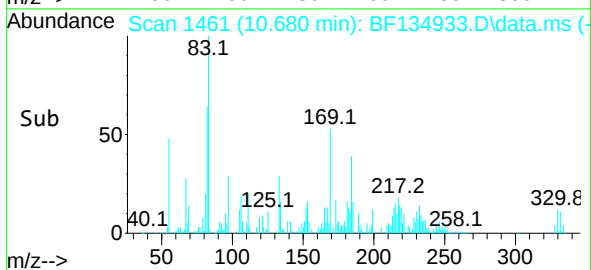
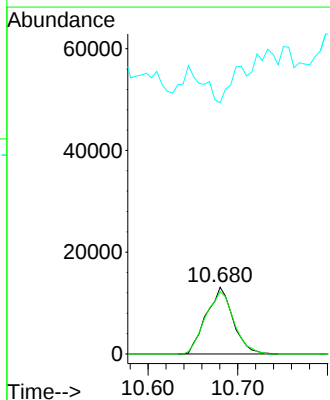
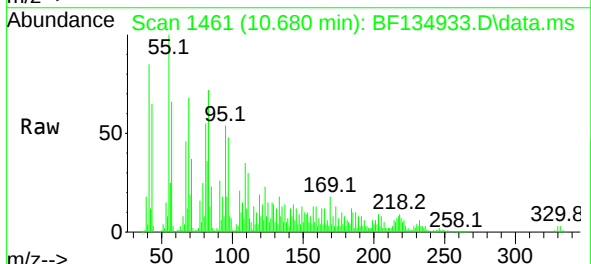
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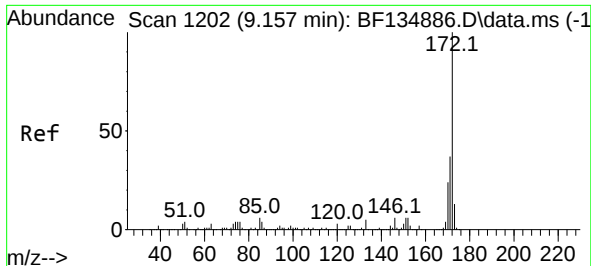
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#42
2,4,6-Tribromophenol
Concen: 24.252 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.053 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

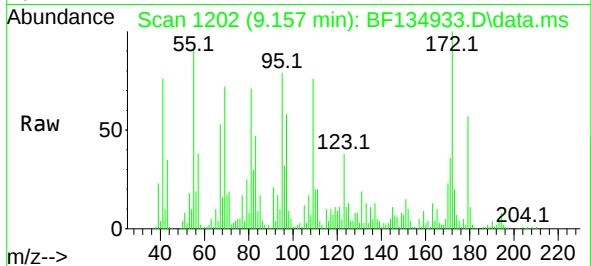
Tgt Ion:330 Resp: 27106
Ion Ratio Lower Upper
330 100
332 99.4 76.3 114.5
141 0.0 23.4 35.2#





#45
2-Fluorobiphenyl
Concen: 24.867 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

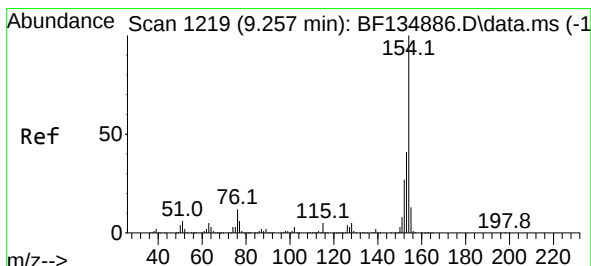
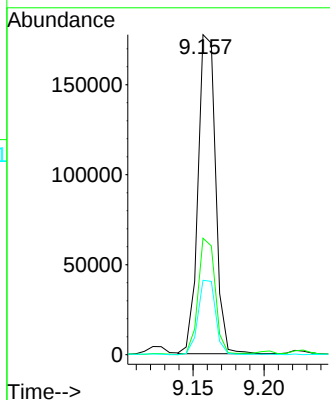
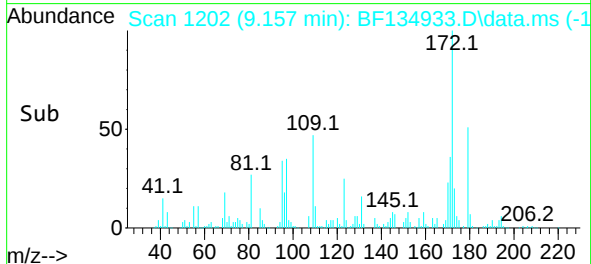
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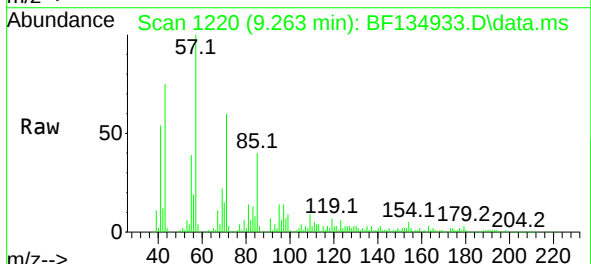
Tgt Ion:172 Resp: 15265
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 23.2 19.6 29.4

Manual Integrations
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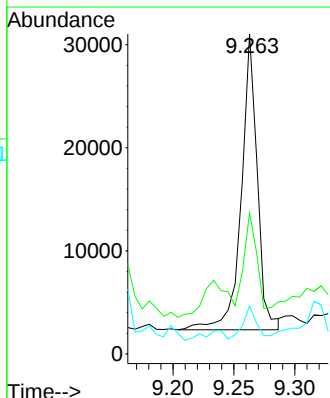
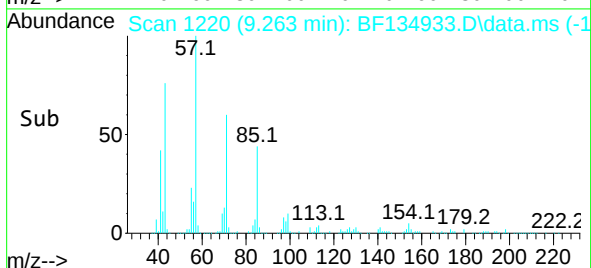
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023

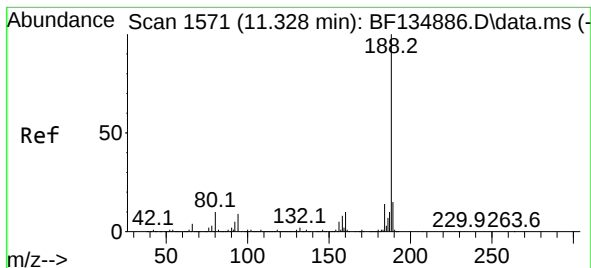


#46
1,1'-Biphenyl
Concen: 3.516 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.006 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56



Tgt Ion:154 Resp: 26339
Ion Ratio Lower Upper
154 100
153 44.1 21.3 61.3
76 15.0 0.0 31.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.088 min

Lab File: BF134933.D

Acq: 24 Aug 2023 19:56

Instrument :

BNA_F

ClientSampleId :

RT2674

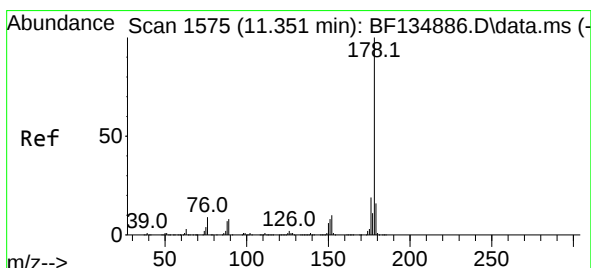
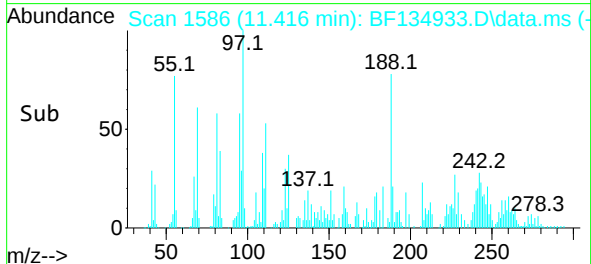
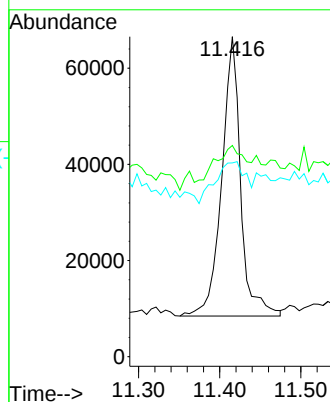
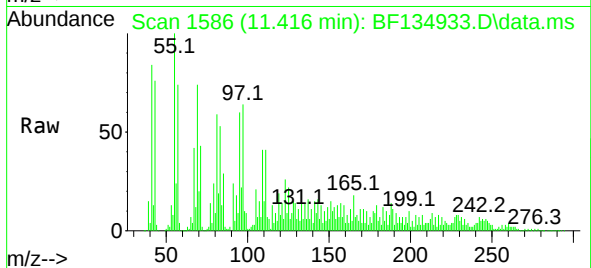
Tgt Ion:188 Resp: 94059
 Ion Ratio Lower Upper
 188 100
 94 66.0 7.5 11.3#
 80 60.6 7.8 11.6#

Manual Integrations

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Reviewed By :Yogesh Patel 08/25/2023

Supervised By :mohammad ahmed 08/25/2023



#71

Phenanthrene

Concen: 40.351 ng

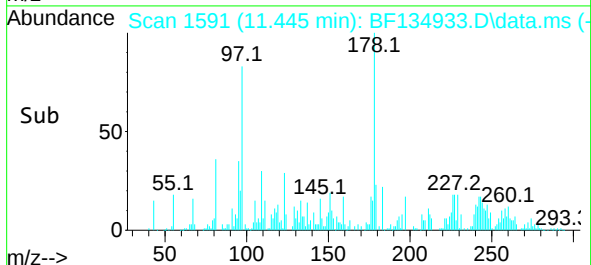
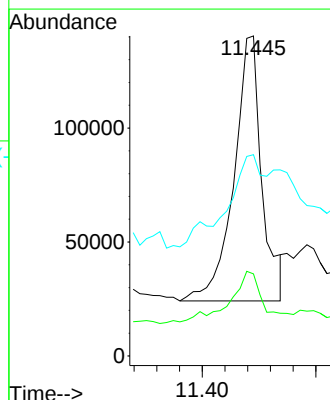
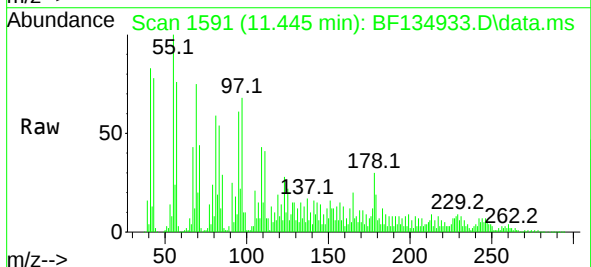
RT: 11.445 min Scan# 1591

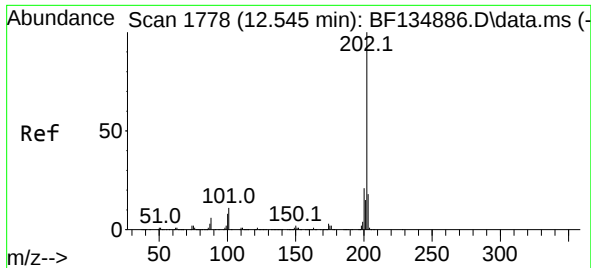
Delta R.T. 0.094 min

Lab File: BF134933.D

Acq: 24 Aug 2023 19:56

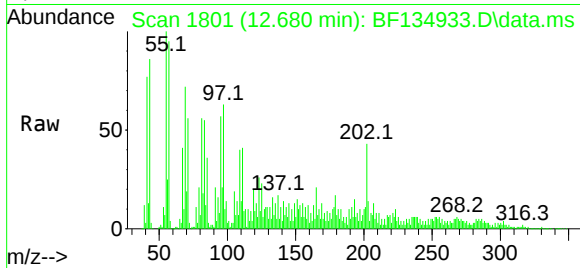
Tgt Ion:178 Resp: 198885
 Ion Ratio Lower Upper
 178 100
 176 25.7 15.5 23.3#
 179 62.9 12.6 19.0#





#75
Fluoranthene
Concen: 43.830 ng
RT: 12.680 min Scan# 1801
Delta R.T. 0.135 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

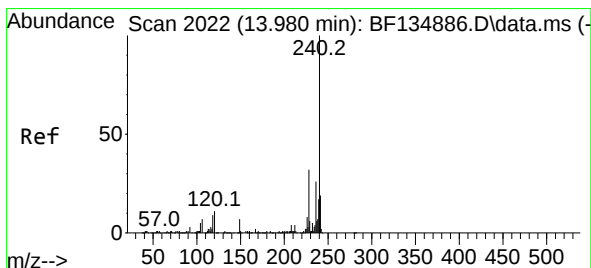
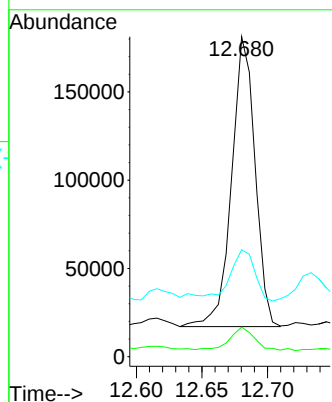
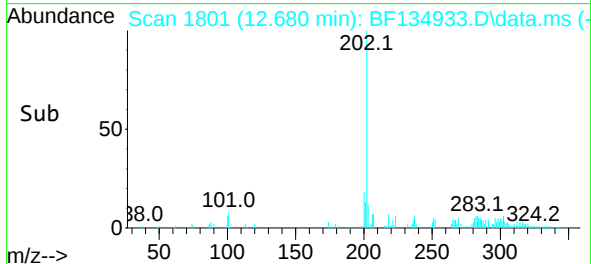
Instrument :
BNA_F
ClientSampleId :
RT2674



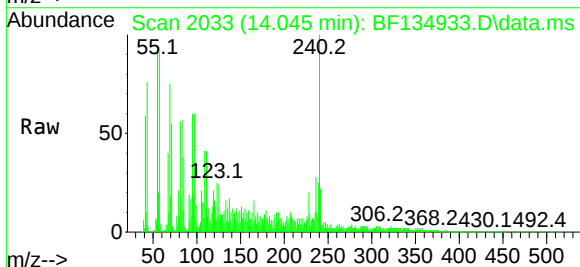
Tgt Ion:202 Resp: 20469
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.5
203 33.4 0.0 37.8

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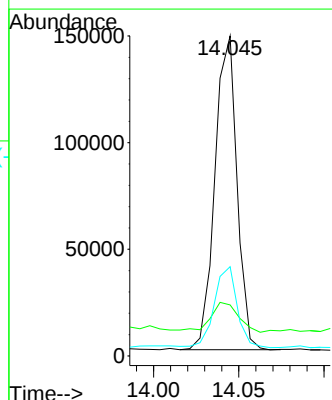
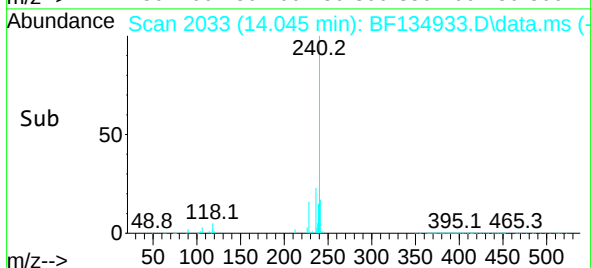
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023

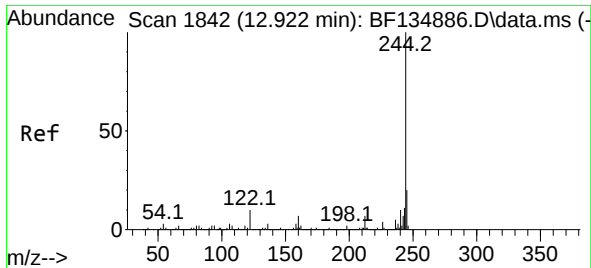


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.065 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56



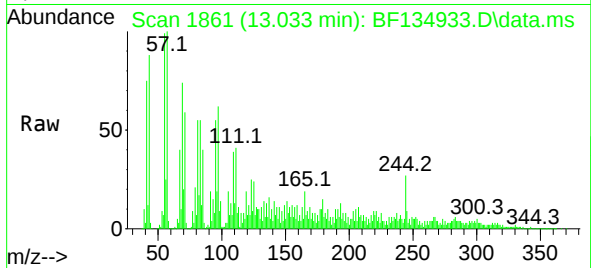
Tgt Ion:240 Resp: 132581
Ion Ratio Lower Upper
240 100
120 16.0 8.6 12.8#
236 27.9 20.6 31.0





#79
Terphenyl-d14
Concen: 10.190 ng
RT: 13.033 min Scan# 1842
Delta R.T. 0.111 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

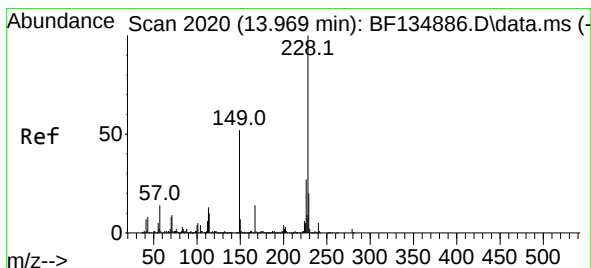
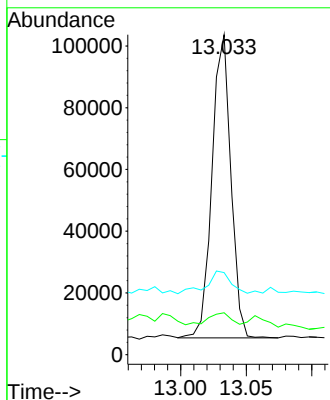
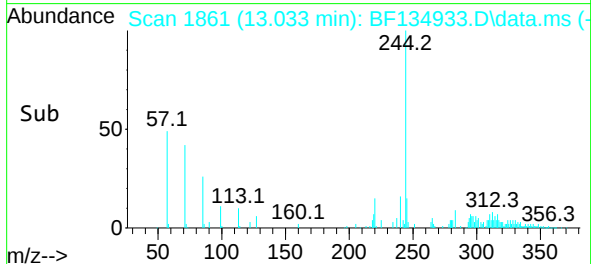
Instrument :
BNA_F
ClientSampleId :
RT2674



Tgt Ion:244 Resp: 98223
Ion Ratio Lower Upper
244 100
212 13.1 5.4 8.0
122 25.7 8.2 12.4

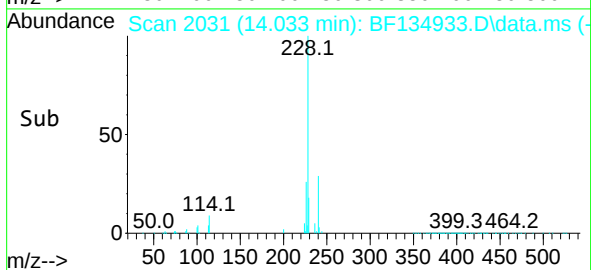
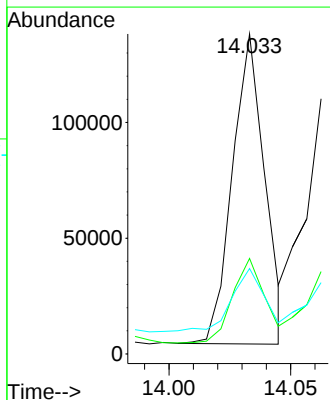
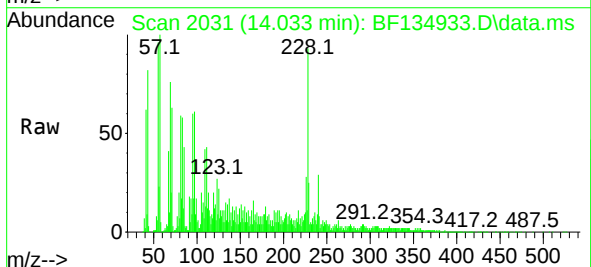
Manual Integrations
APPROVED

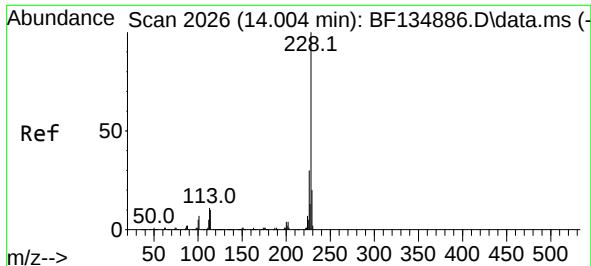
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#81
Benzo(a)anthracene
Concen: 13.678 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.065 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

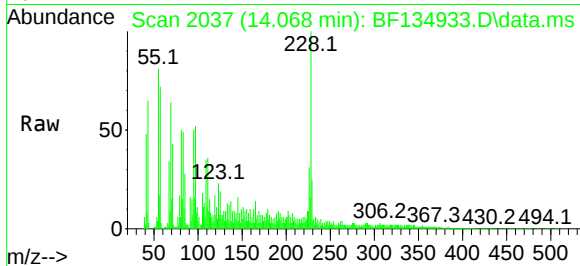
Tgt Ion:228 Resp: 123727
Ion Ratio Lower Upper
228 100
226 29.9 21.8 32.6
229 26.7 15.6 23.4





#83
Chrysene
Concen: 17.239 ng
RT: 14.068 min Scan# 2026
Delta R.T. 0.064 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

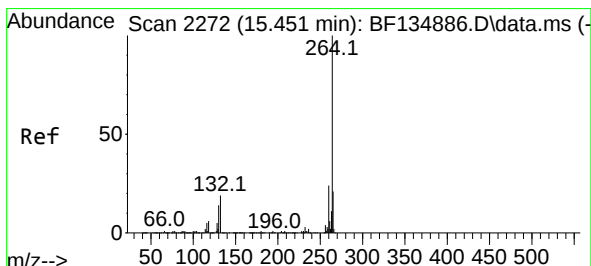
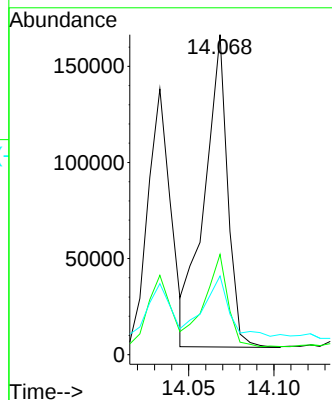
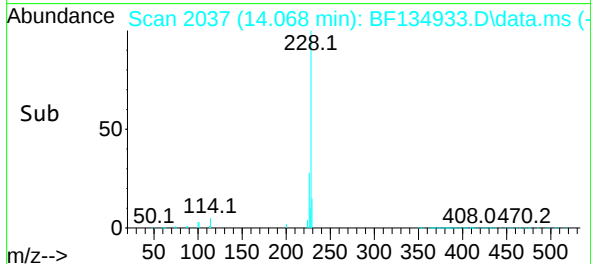
Instrument :
BNA_F
ClientSampleId :
RT2674



Tgt Ion:228 Resp: 153850
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.2
229 24.6 16.0 24.0

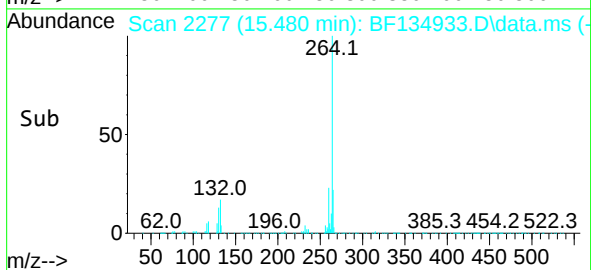
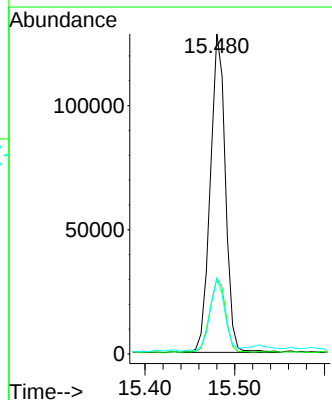
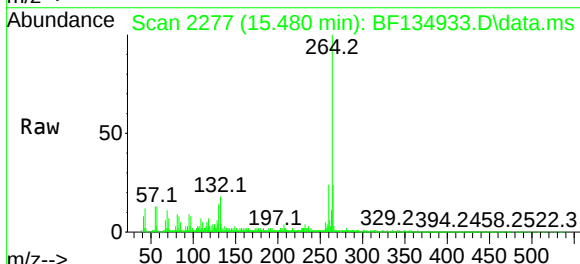
Manual Integrations
APPROVED

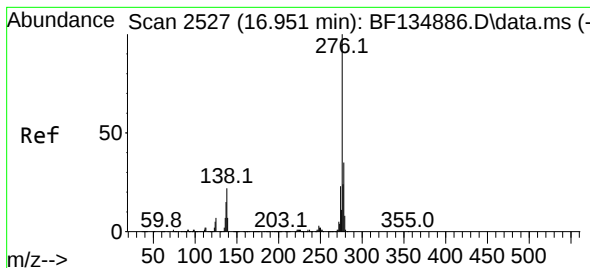
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.029 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

Tgt Ion:264 Resp: 150036
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 23.5 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.158 ng

RT: 16.968 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF134933.D

Acq: 24 Aug 2023 19:56

Instrument :

BNA_F

ClientSampleId :

RT2674

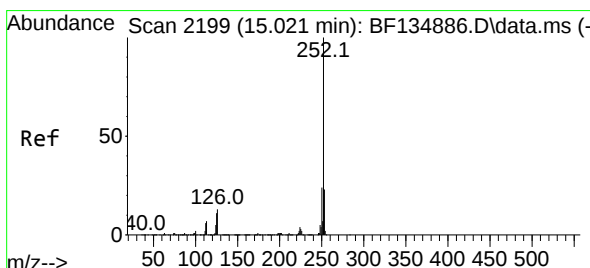
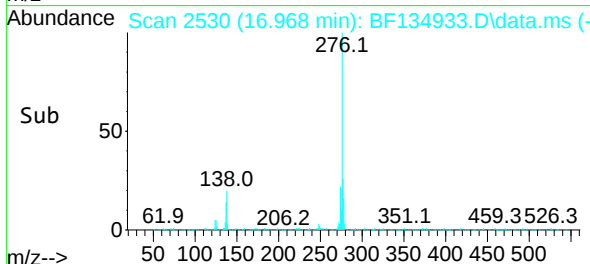
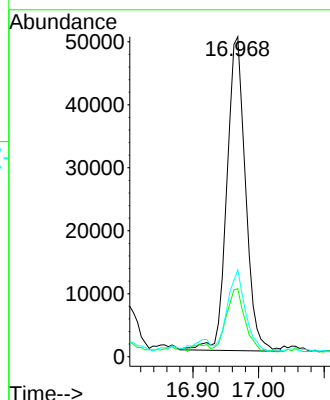
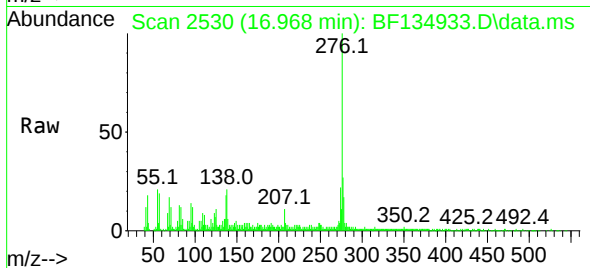
Tgt Ion:276 Resp: 98209
 Ion Ratio Lower Upper
 276 100
 138 20.5 19.7 29.5
 277 24.8 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/25/2023

Supervised By :mohammad ahmed 08/25/2023



#88

Benzo(b)fluoranthene

Concen: 26.431 ng m

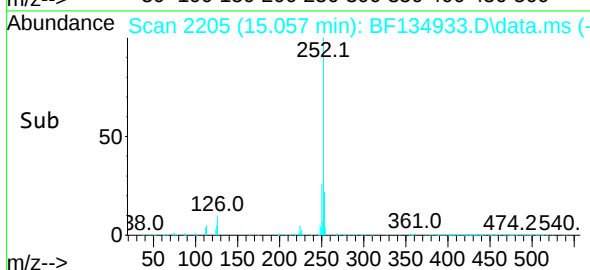
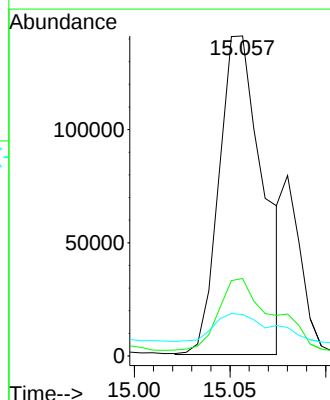
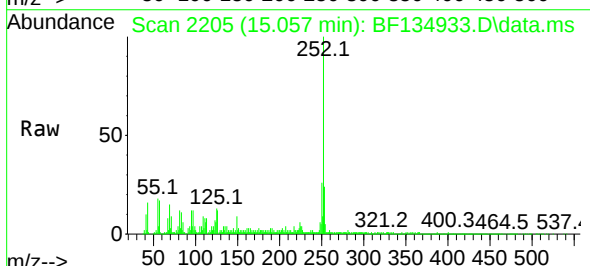
RT: 15.057 min Scan# 2205

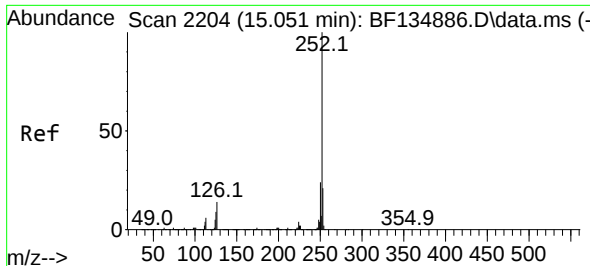
Delta R.T. 0.035 min

Lab File: BF134933.D

Acq: 24 Aug 2023 19:56

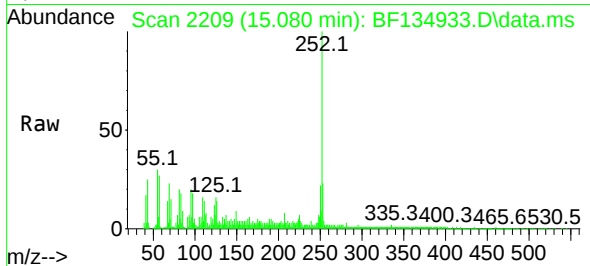
Tgt Ion:252 Resp: 223734
 Ion Ratio Lower Upper
 252 100
 253 24.2 18.1 27.1
 125 12.9 8.4 12.6#





#89
Benzo(k)fluoranthene
Concen: 6.366 ng m
RT: 15.080 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

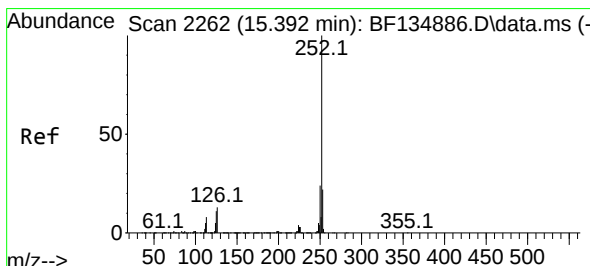
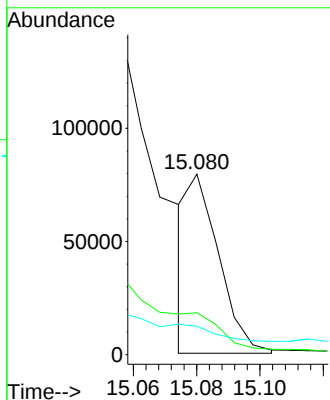
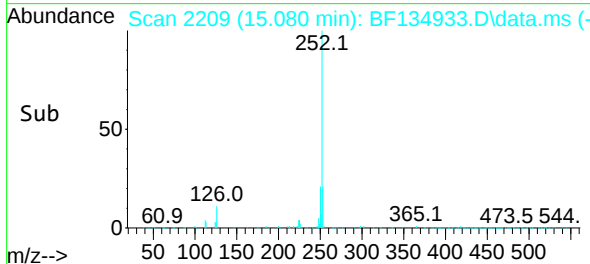
Instrument :
BNA_F
ClientSampleId :
RT2674



Tgt Ion:252 Resp: 52918
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 15.8 8.0 12.0

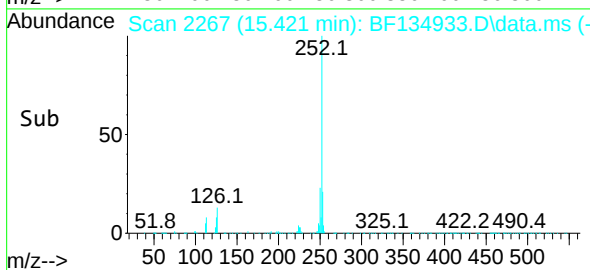
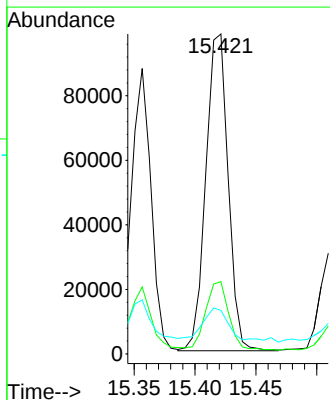
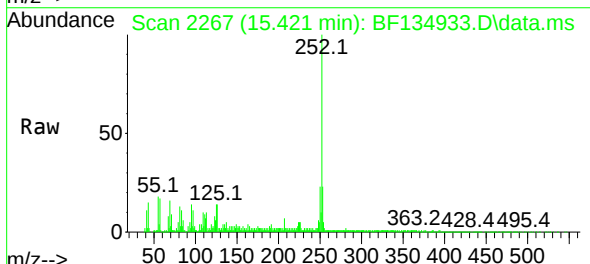
Manual Integrations
APPROVED

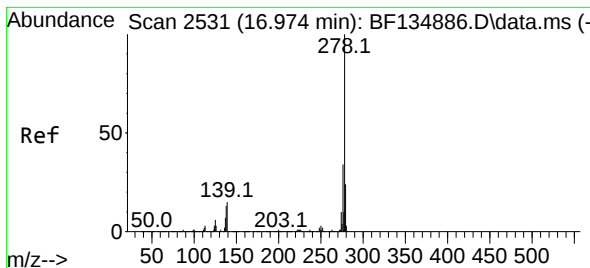
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#90
Benzo(a)pyrene
Concen: 14.827 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.029 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

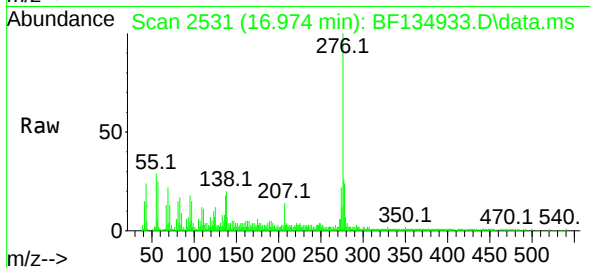
Tgt Ion:252 Resp: 125290
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 13.6 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 2.432 ng
RT: 16.974 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56

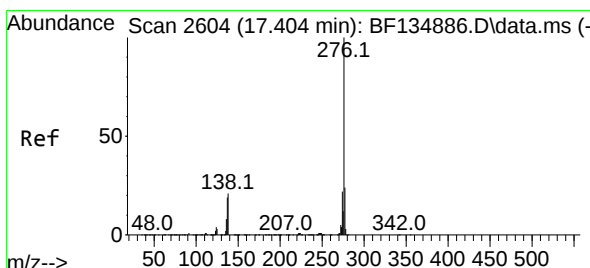
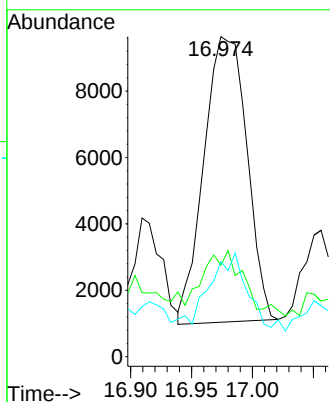
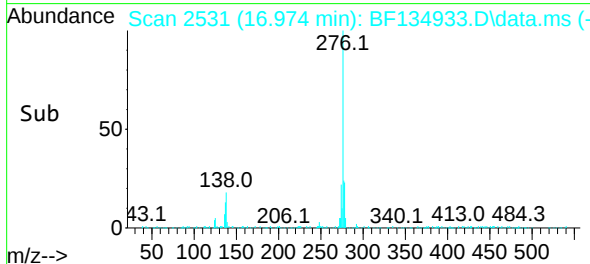
Instrument :
BNA_F
ClientSampleId :
RT2674



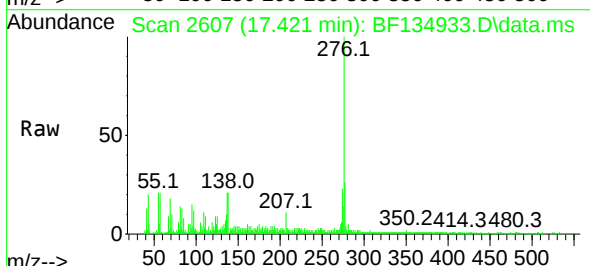
Tgt Ion: 278 Resp: 2110
Ion Ratio Lower Upper
278 100
139 28.6 12.2 18.4
279 29.7 19.1 28.7

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 08/25/2023
Supervised By : mohammad ahmed 08/25/2023



#92
Benzo(g,h,i)perylene
Concen: 10.591 ng
RT: 17.421 min Scan# 2607
Delta R.T. 0.017 min
Lab File: BF134933.D
Acq: 24 Aug 2023 19:56



Tgt Ion: 276 Resp: 94079
Ion Ratio Lower Upper
276 100
277 25.6 19.2 28.8
138 21.3 17.0 25.6

