

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
 Data File : BF134505.D
 Acq On : 27 Jul 2023 14:47
 Operator : CG\JU
 Sample : 03738-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 80001

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/28/2023
 Supervised By :mohammad ahmed 07/28/2023

Quant Time: Jul 27 15:12:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 27 12:16:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	116470	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	479522	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	173515	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	238869	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	281027	20.000	ng	# 0.01
86) Perylene-d12	15.533	264	168358	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	592866	84.101	ng	0.00
7) Phenol-d6	6.469	99	731032	84.640	ng	0.00
23) Nitrobenzene-d5	7.387	82	560266	59.114	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	186055	75.468	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	829017	62.722	ng	0.00
79) Terphenyl-d14	12.963	244	914762	56.823	ng	0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.722	152	115048	6.459	ng	98
50) Dimethylphthalate	9.575	163	59625	4.636	ng	97
71) Phenanthrene	11.386	178	124764	9.997	ng	# 88
72) Anthracene	11.439	178	189876	14.740	ng	# 90
73) Carbazole	11.604	167	75972	6.263	ng	# 78
75) Fluoranthene	12.598	202	1421584	97.735	ng	97
78) Pyrene	12.839	202	2555924	114.384	ng	97
81) Benzo(a)anthracene	14.027	228	1392164	71.004	ng	94
83) Chrysene	14.068	228	1864852	99.440	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	308189	28.020	ng	97
88) Benzo(b)fluoranthene	15.104	252	2726972m	258.909	ng	
89) Benzo(k)fluoranthene	15.127	252	729826m	70.460	ng	
90) Benzo(a)pyrene	15.474	252	565905	58.128	ng	97
91) Dibenzo(a,h)anthracene	17.068	278	80341m	9.045	ng	
92) Benzo(g,h,i)perylene	17.533	276	236105	25.887	ng	100

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

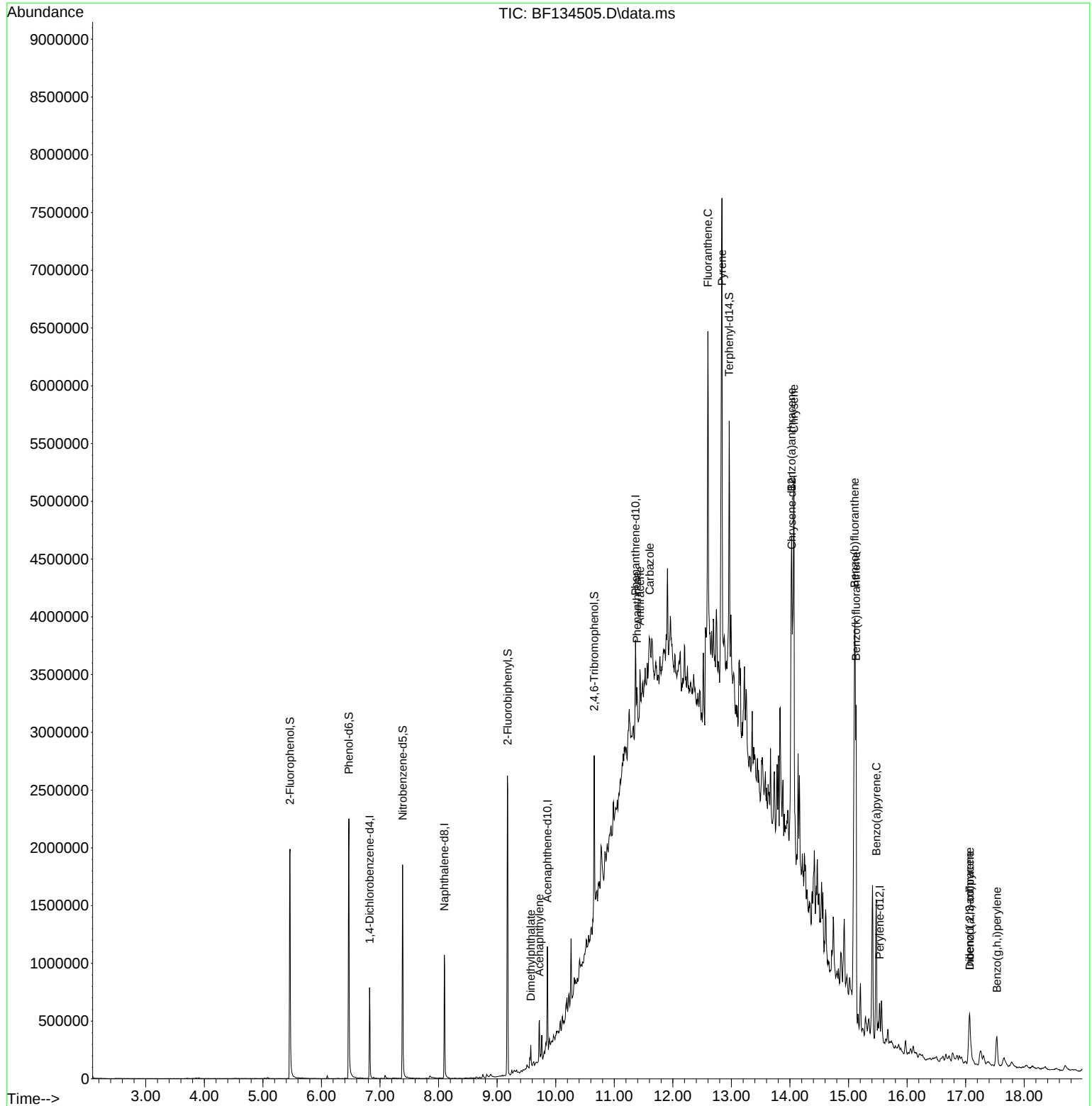
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
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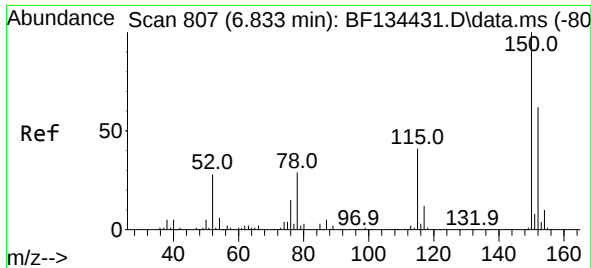
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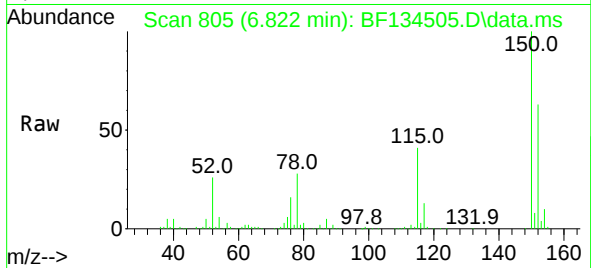
Quant Time: Jul 27 15:12:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 27 12:16:03 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47

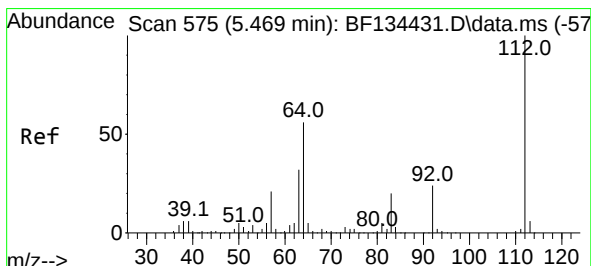
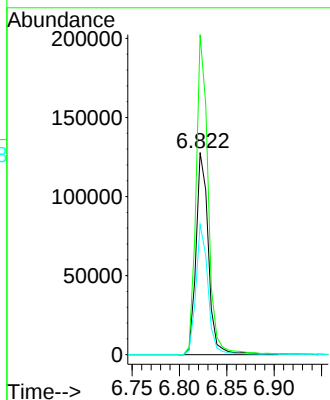
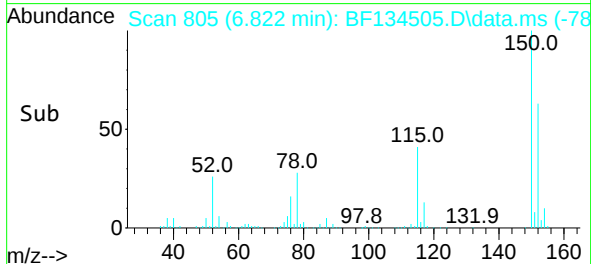
Instrument :
BNA_F
ClientSampleId :
80001



Tgt Ion:152 Resp: 116470
Ion Ratio Lower Upper
152 100
150 158.4 128.3 192.5
115 64.4 52.4 78.6

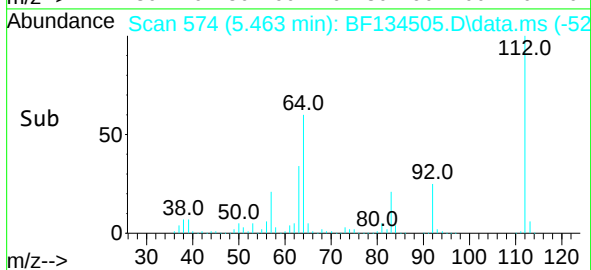
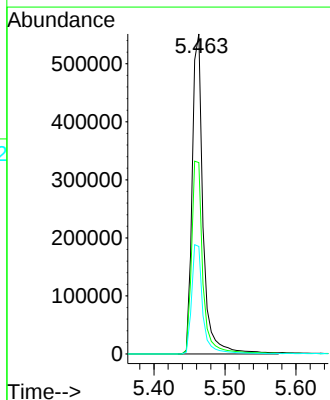
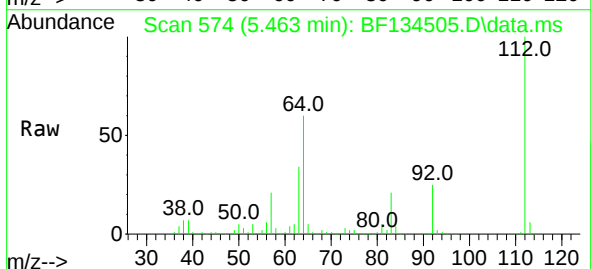
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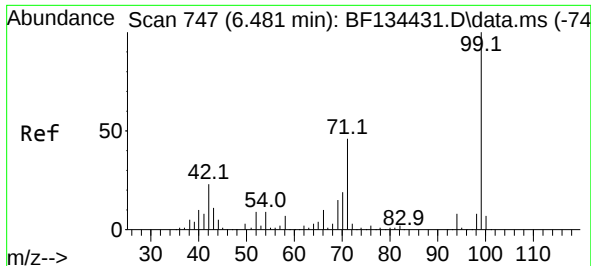
Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023



#5
2-Fluorophenol
Concen: 84.101 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47

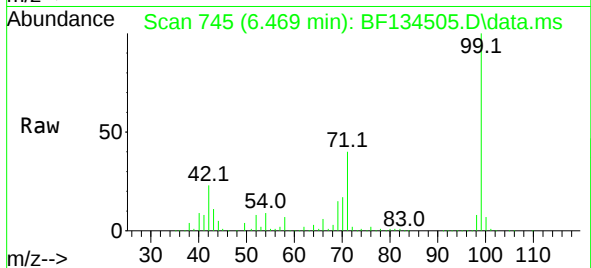
Tgt Ion:112 Resp: 592866
Ion Ratio Lower Upper
112 100
64 59.8 44.9 67.3
63 33.6 25.4 38.0





#7
Phenol-d6
Concen: 84.640 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47

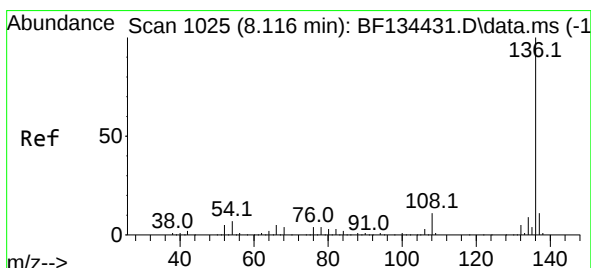
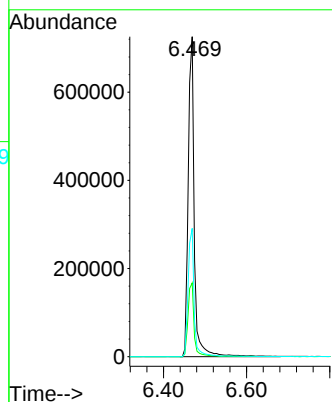
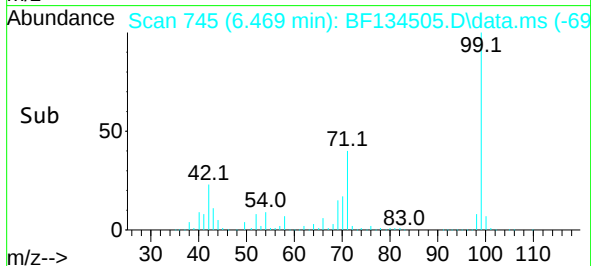
Instrument :
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ClientSampleId :
80001



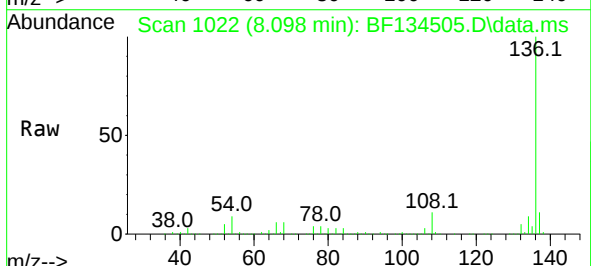
Tgt Ion: 99 Resp: 73103
Ion Ratio Lower Upper
99 100
42 23.0 18.7 28.1
71 40.1 36.4 54.6

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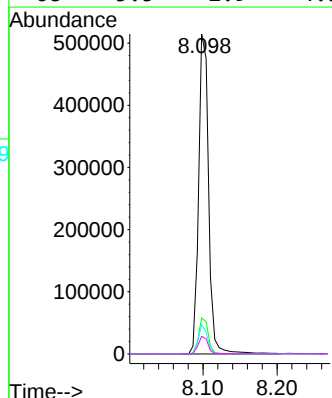
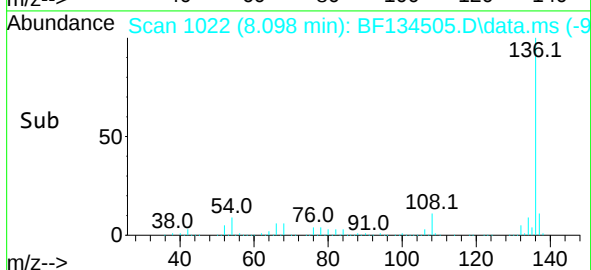
Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023

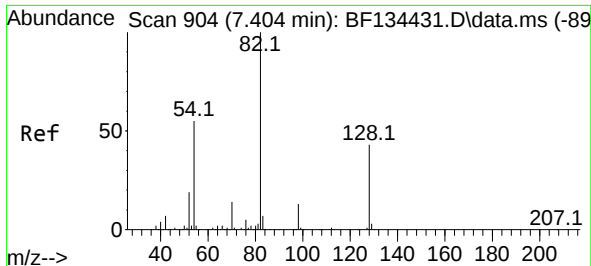


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47



Tgt Ion:136 Resp: 479522
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 9.1 5.2 7.8#
68 5.5 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 59.114 ng

RT: 7.387 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF134505.D

Acq: 27 Jul 2023 14:47

Instrument :

BNA_F

ClientSampleId :

80001

Tgt Ion: 82 Resp: 560260

Ion Ratio Lower Upper

82 100

128 41.8 34.3 51.5

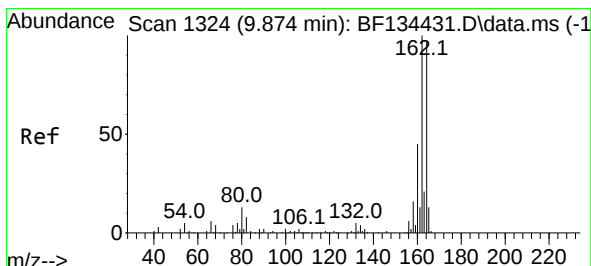
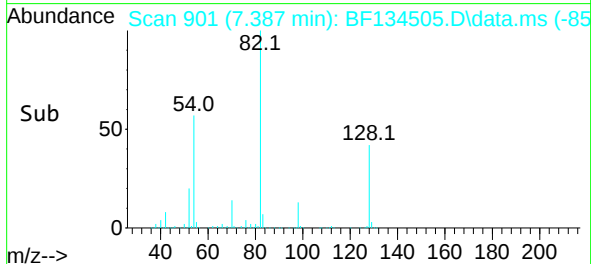
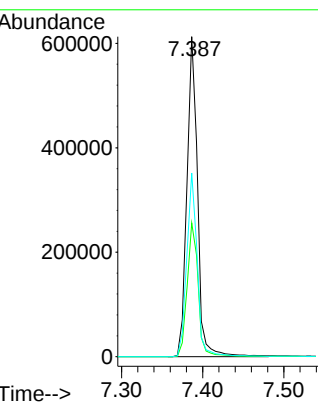
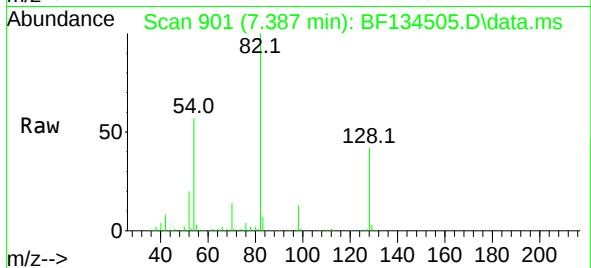
54 57.4 43.8 65.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF134505.D

Acq: 27 Jul 2023 14:47

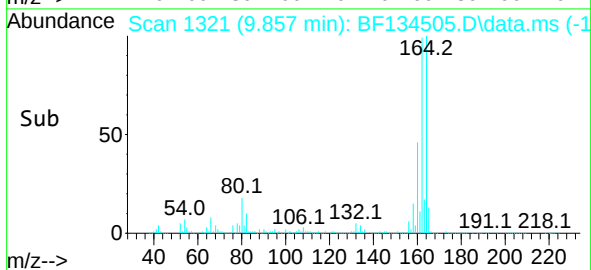
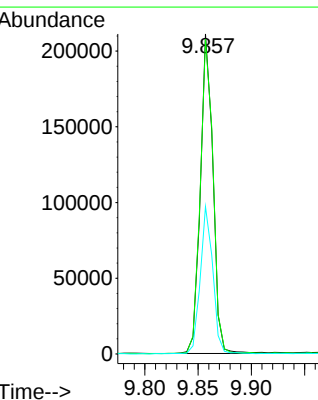
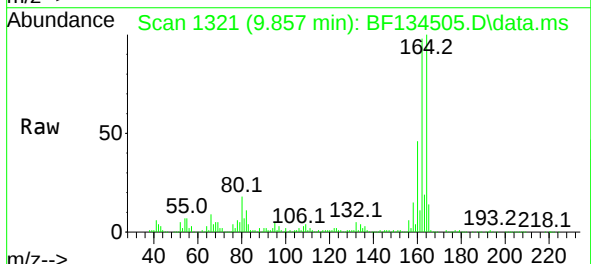
Tgt Ion:164 Resp: 173515

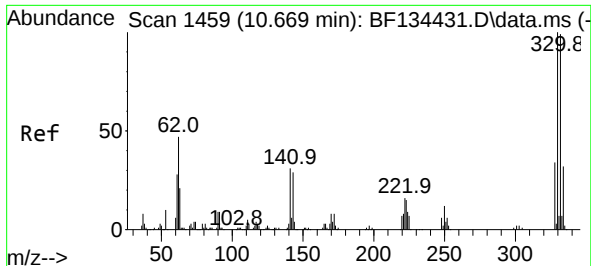
Ion Ratio Lower Upper

164 100

162 98.4 82.6 123.8

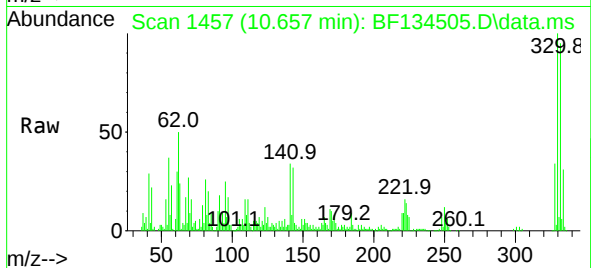
160 46.0 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 75.468 ng
RT: 10.657 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47

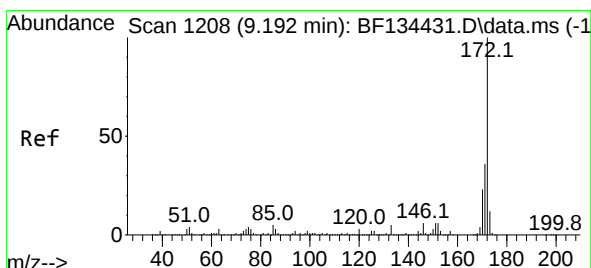
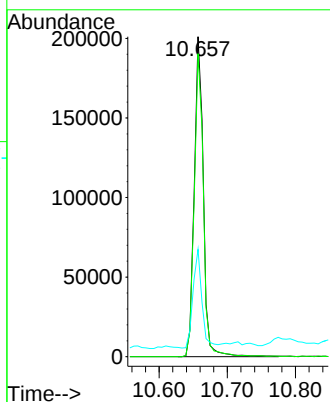
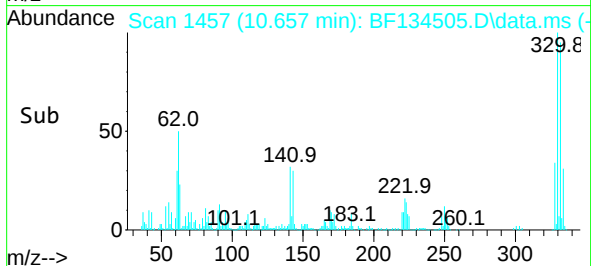
Instrument :
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ClientSampleId :
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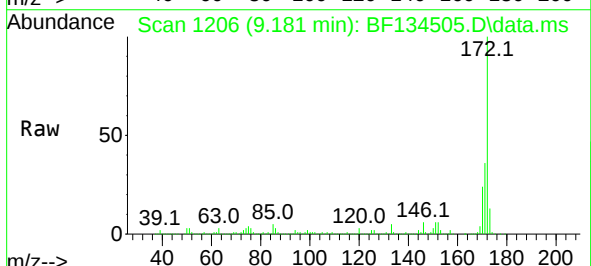
Tgt Ion:330 Resp: 18605
Ion Ratio Lower Upper
330 100
332 95.2 78.8 118.2
141 30.2 25.4 38.2

Manual Integrations
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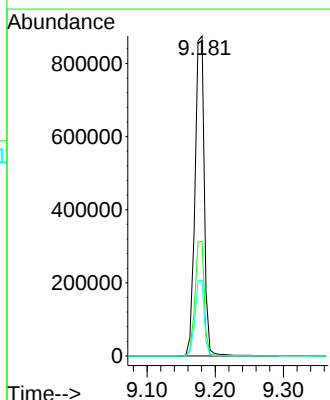
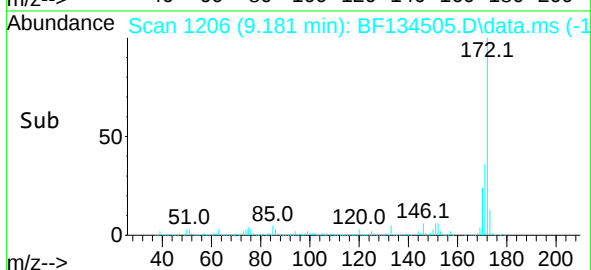
Reviewed By :Yogesh Patel 07/28/2023
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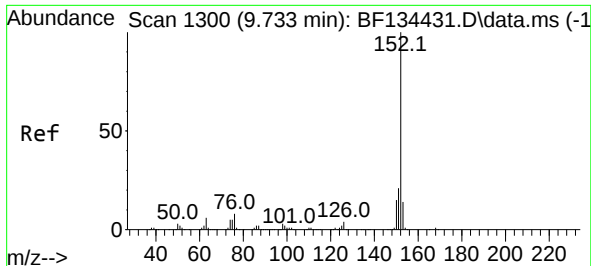


#45
2-Fluorobiphenyl
Concen: 62.722 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47



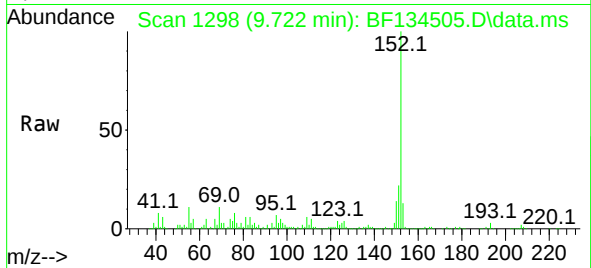
Tgt Ion:172 Resp: 829017
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.7 18.7 28.1





#49
Acenaphthylene
Concen: 6.459 ng
RT: 9.722 min Scan# 11504
Delta R.T. -0.006 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47

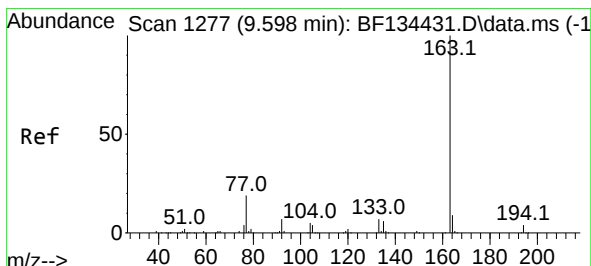
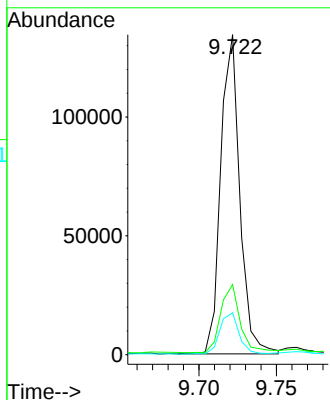
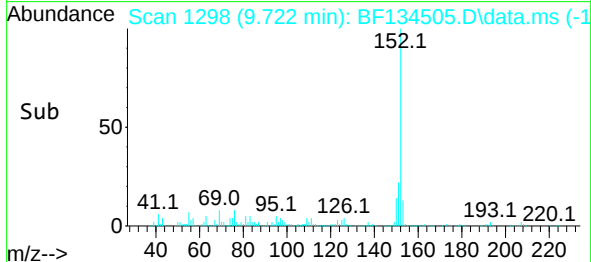
Instrument :
BNA_F
ClientSampleId :
80001



Tgt Ion:152 Resp: 11504
Ion Ratio Lower Upper
152 100
151 21.9 16.4 24.6
153 13.1 10.9 16.3

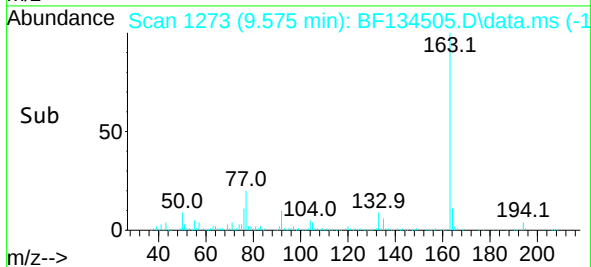
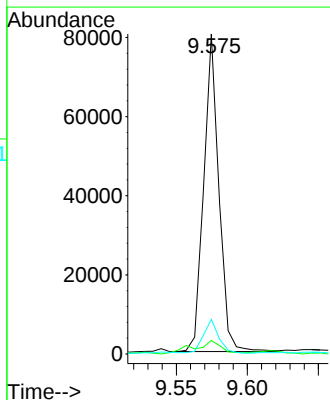
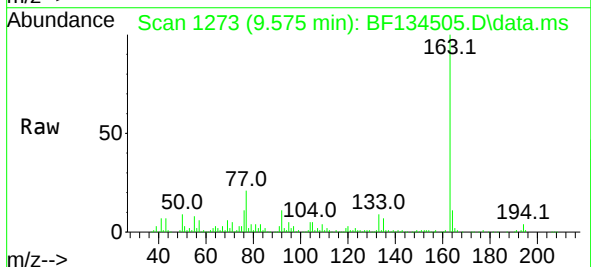
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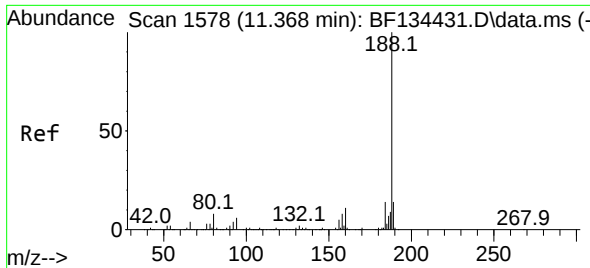
Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023



#50
Dimethylphthalate
Concen: 4.636 ng
RT: 9.575 min Scan# 1273
Delta R.T. -0.012 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47

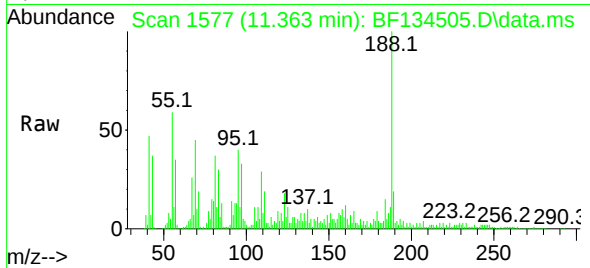
Tgt Ion:163 Resp: 59625
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.9 7.5 11.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11363
Delta R.T. 0.006 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47

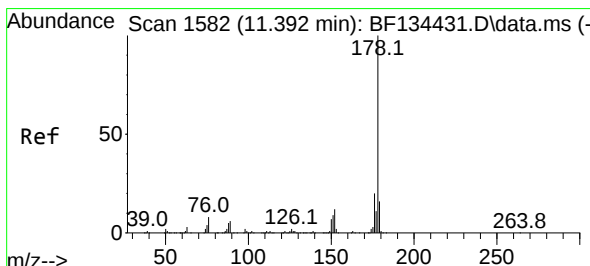
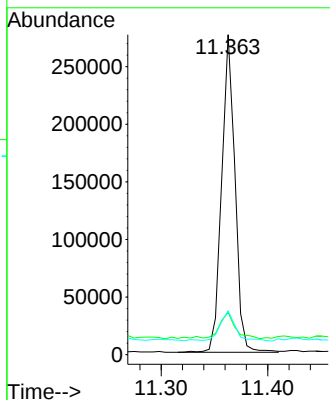
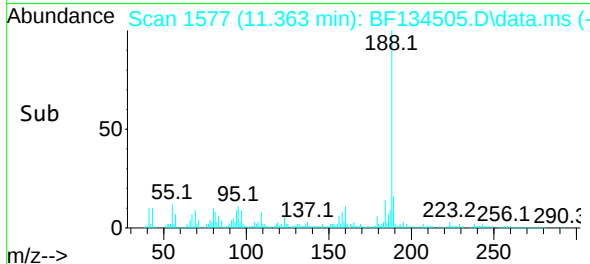
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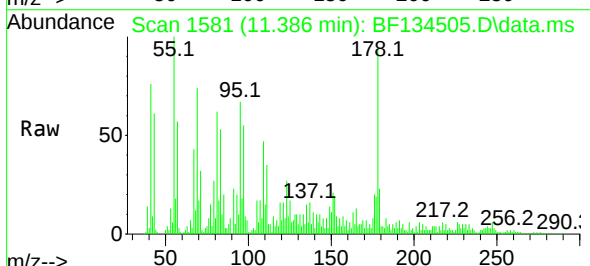
Tgt Ion:188 Resp: 238869
Ion Ratio Lower Upper
188 100
94 13.2 5.1 7.7
80 13.6 6.6 9.8

Manual Integrations
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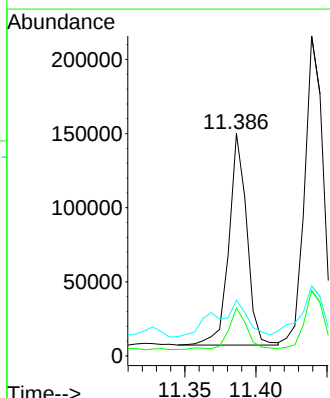
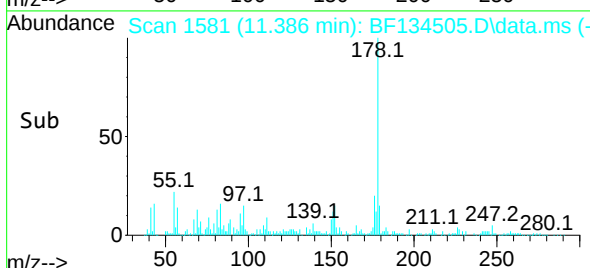
Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023

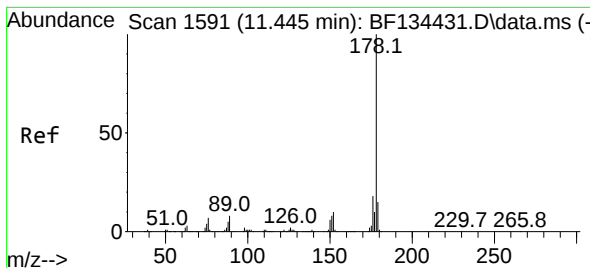


#71
Phenanthrene
Concen: 9.997 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47



Tgt Ion:178 Resp: 124764
Ion Ratio Lower Upper
178 100
176 21.6 15.8 23.6
179 25.0 12.7 19.1





#72

Anthracene

Concen: 14.740 ng

RT: 11.439 min Scan# 1590

Delta R.T. 0.000 min

Lab File: BF134505.D

Acq: 27 Jul 2023 14:47

Instrument :

BNA_F

ClientSampleId :

80001

Tgt Ion:178 Resp: 189870

Ion Ratio Lower Upper

178 100

176 20.4 14.6 21.8

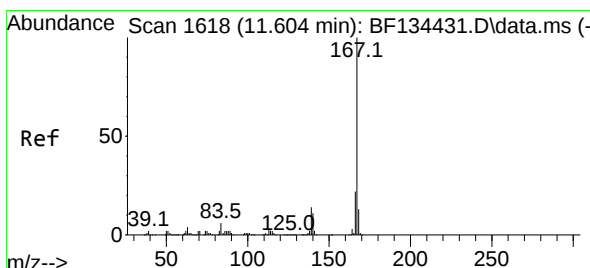
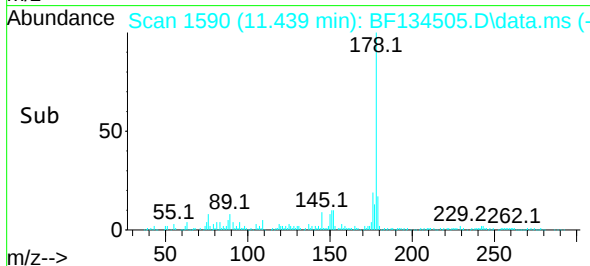
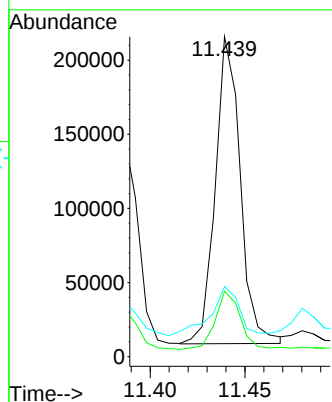
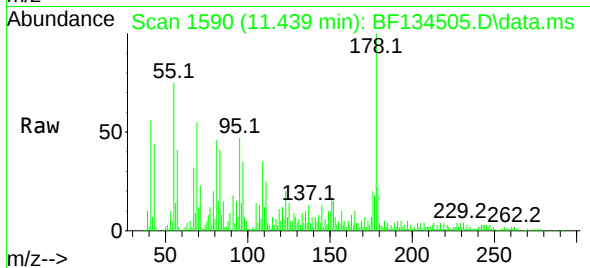
179 21.9 12.3 18.5

Manual Integrations

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#73

Carbazole

Concen: 6.263 ng

RT: 11.604 min Scan# 1618

Delta R.T. 0.006 min

Lab File: BF134505.D

Acq: 27 Jul 2023 14:47

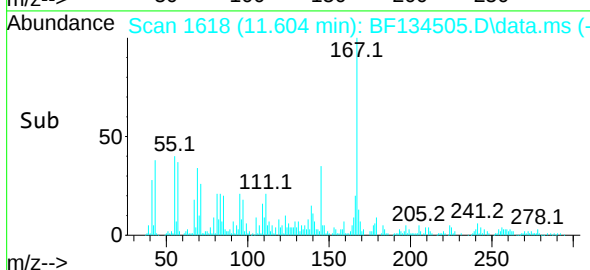
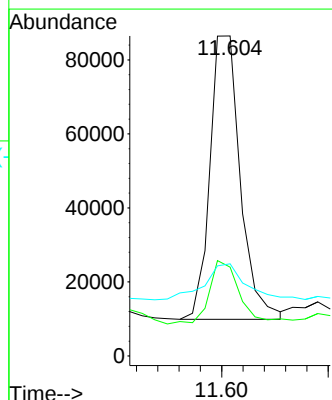
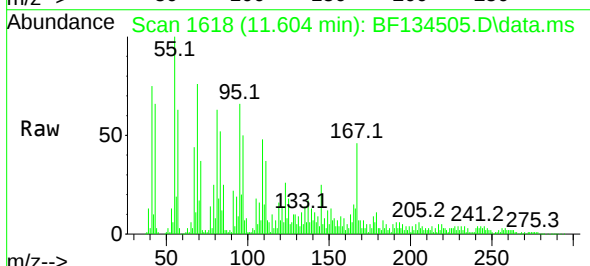
Tgt Ion:167 Resp: 75972

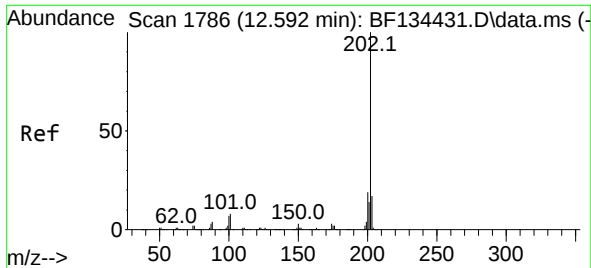
Ion Ratio Lower Upper

167 100

166 27.8 17.5 26.3#

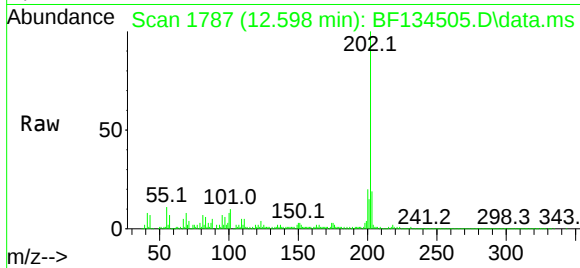
139 28.8 11.0 16.4#





#75
Fluoranthene
Concen: 97.735 ng
RT: 12.598 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47

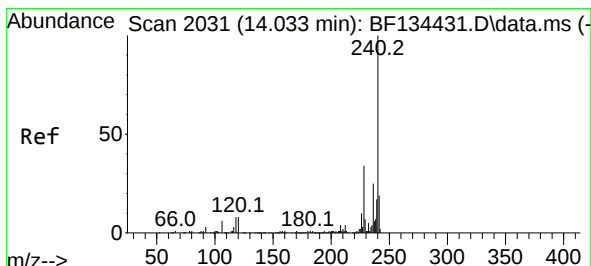
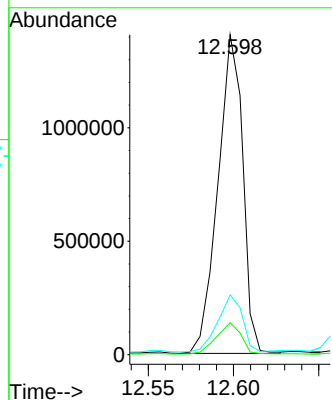
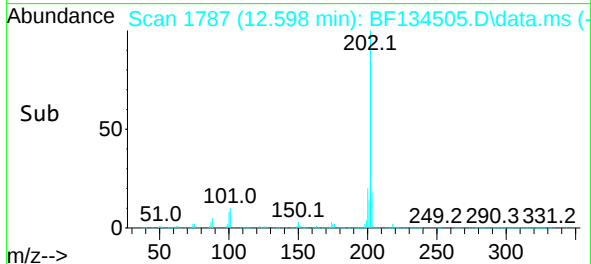
Instrument :
BNA_F
ClientSampleId :
80001



Tgt Ion:202 Resp: 1421584
Ion Ratio Lower Upper
202 100
101 10.0 0.0 28.5
203 18.6 0.0 37.5

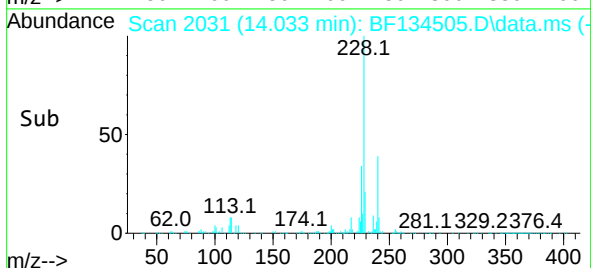
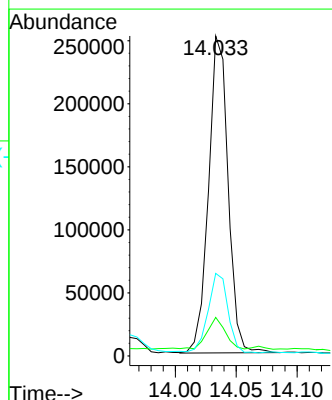
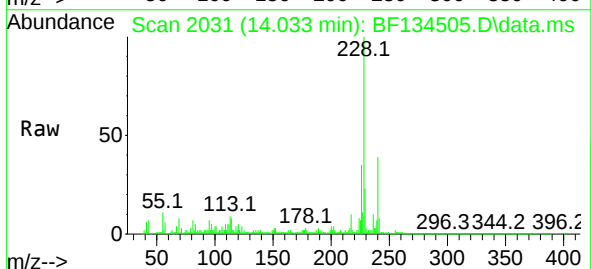
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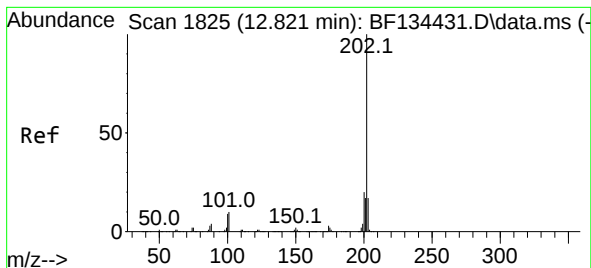
Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.012 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47

Tgt Ion:240 Resp: 281027
Ion Ratio Lower Upper
240 100
120 12.0 6.6 10.0#
236 25.8 20.2 30.2





#78

Pyrene

Concen: 114.384 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.030 min

Lab File: BF134505.D

Acq: 27 Jul 2023 14:47

Instrument :

BNA_F

ClientSampleId :

80001

Tgt Ion:202 Resp: 2555924

Ion Ratio Lower Upper

202 100

200 20.6 15.8 23.8

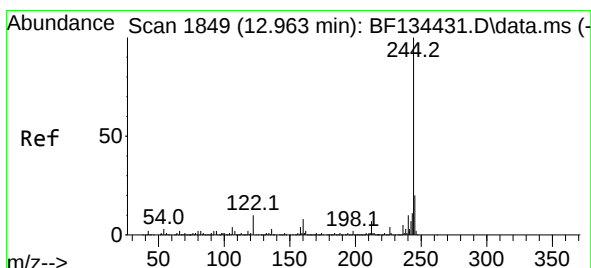
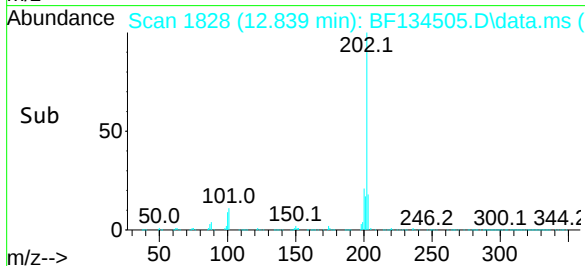
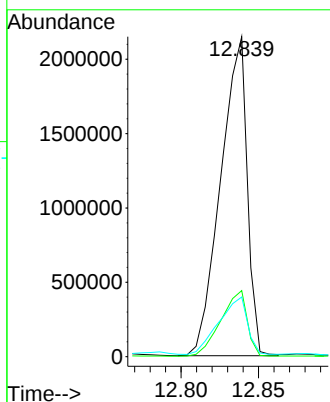
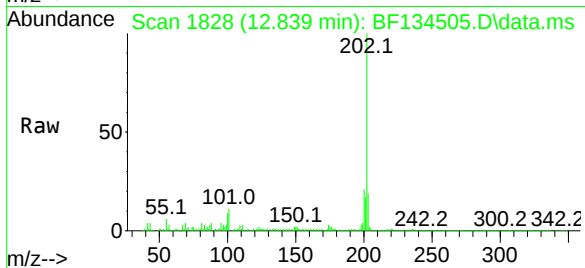
203 18.6 13.5 20.3

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Reviewed By :Yogesh Patel 07/28/2023

Supervised By :mohammad ahmed 07/28/2023



#79

Terphenyl-d14

Concen: 56.823 ng

RT: 12.963 min Scan# 1849

Delta R.T. 0.012 min

Lab File: BF134505.D

Acq: 27 Jul 2023 14:47

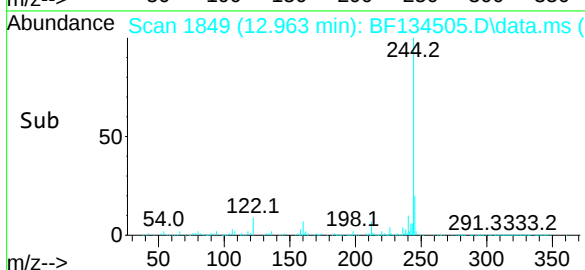
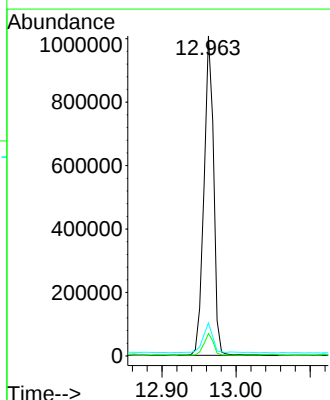
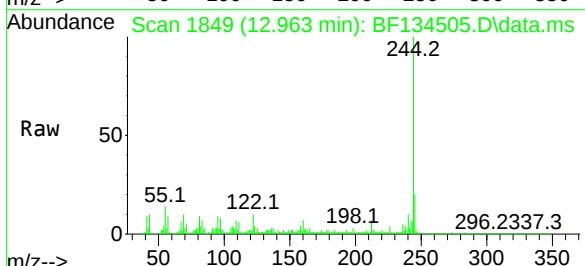
Tgt Ion:244 Resp: 914762

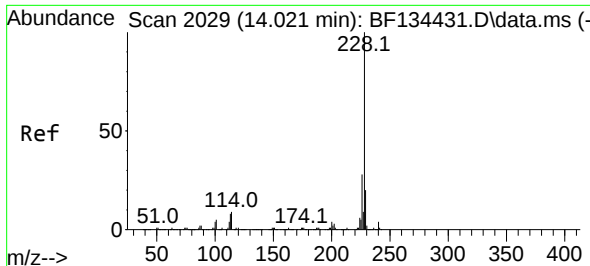
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

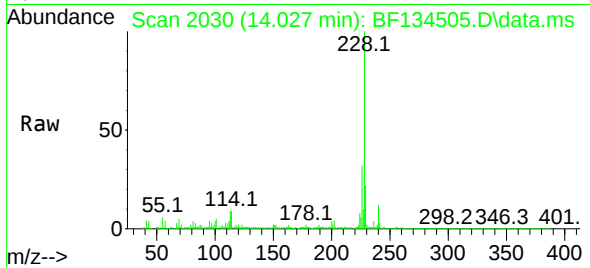
122 10.3 8.0 12.0





#81
Benzo(a)anthracene
Concen: 71.004 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.018 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47

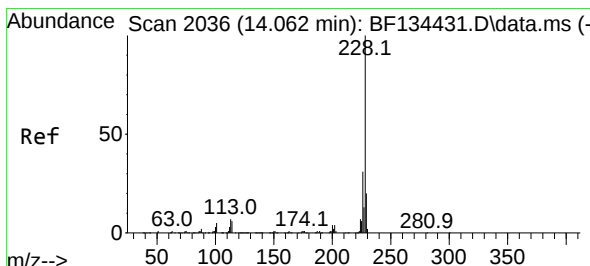
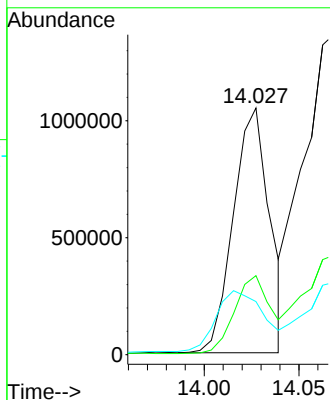
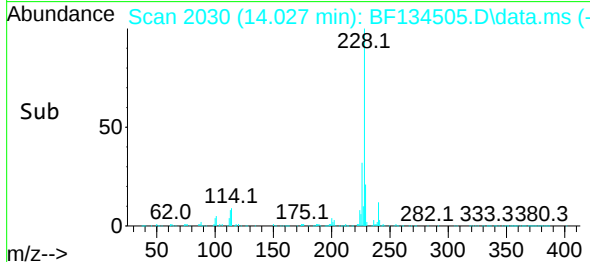
Instrument :
BNA_F
ClientSampleId :
80001



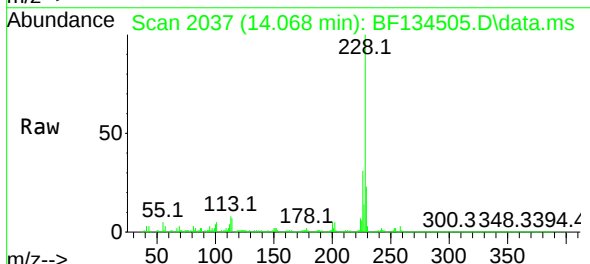
Tgt Ion:228 Resp: 1392164
Ion Ratio Lower Upper
228 100
226 32.0 22.3 33.5
229 21.6 15.8 23.6

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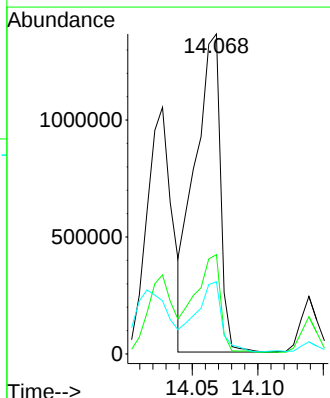
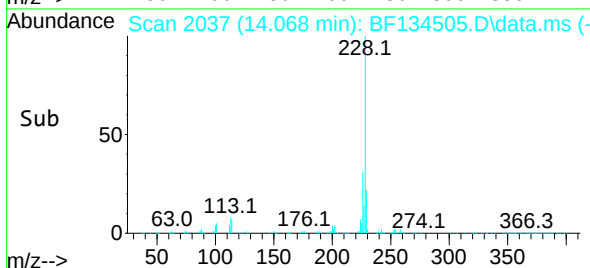
Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023

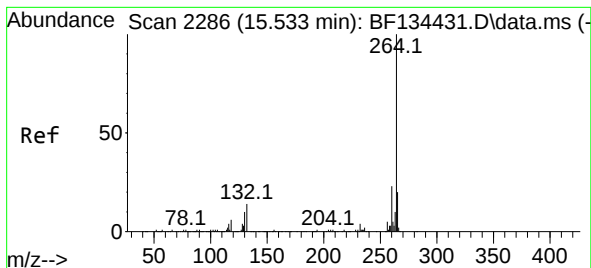


#83
Chrysene
Concen: 99.440 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.024 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47



Tgt Ion:228 Resp: 1864852
Ion Ratio Lower Upper
228 100
226 31.0 24.5 36.7
229 22.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF134505.D

Acq: 27 Jul 2023 14:47

Instrument :

BNA_F

ClientSampleId :

80001

Tgt Ion:264 Resp: 168358

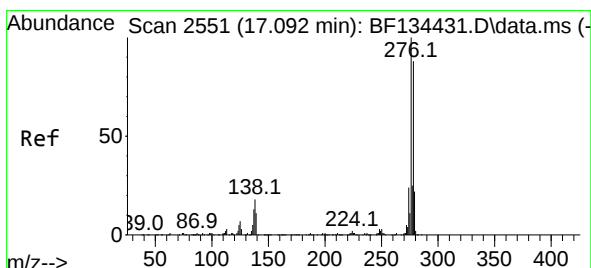
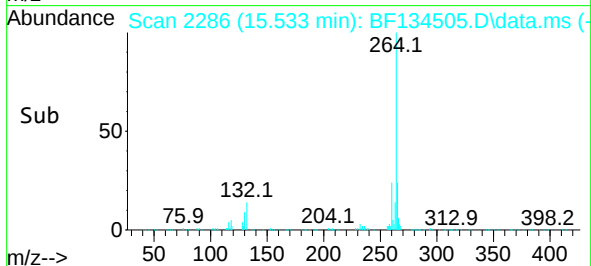
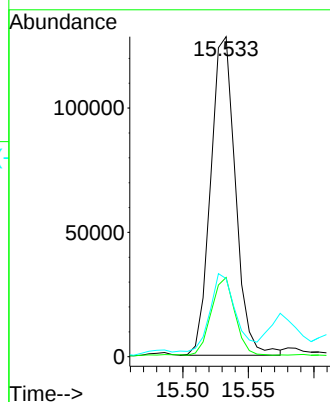
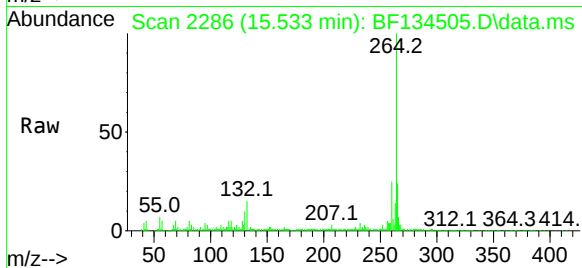
Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.4	27.6
265	24.4	15.8	23.8

Manual Integrations

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Reviewed By :Yogesh Patel 07/28/2023

Supervised By :mohammad ahmed 07/28/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 28.020 ng

RT: 17.068 min Scan# 2547

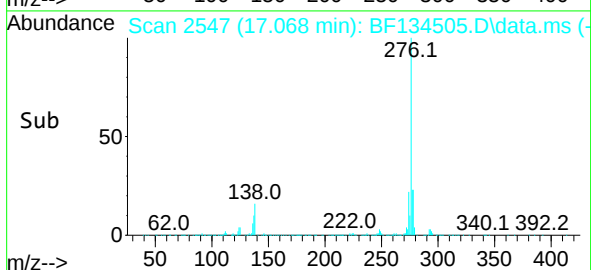
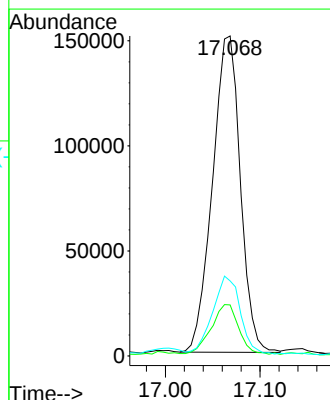
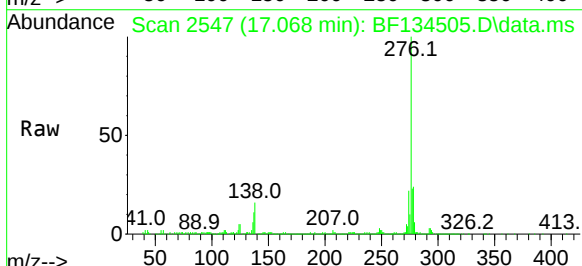
Delta R.T. 0.012 min

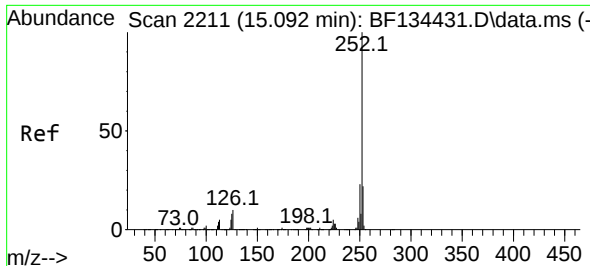
Lab File: BF134505.D

Acq: 27 Jul 2023 14:47

Tgt Ion:276 Resp: 308189

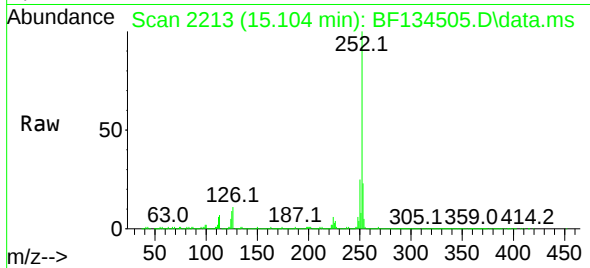
Ion	Ratio	Lower	Upper
276	100		
138	15.7	14.2	21.4
277	24.3	19.9	29.9





#88
Benzo(b)fluoranthene
Concen: 258.909 ng m
RT: 15.104 min Scan# 211
Delta R.T. 0.030 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47

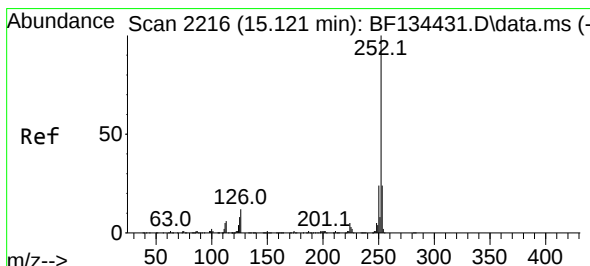
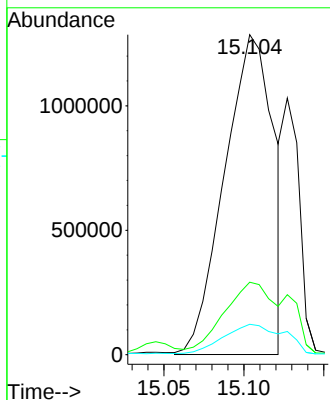
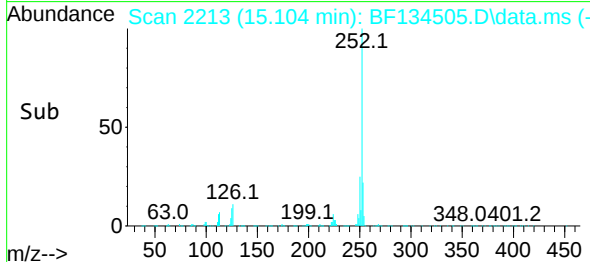
Instrument :
BNA_F
ClientSampleId :
80001



Tgt Ion:252 Resp: 2726972
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 9.5 6.0 9.0

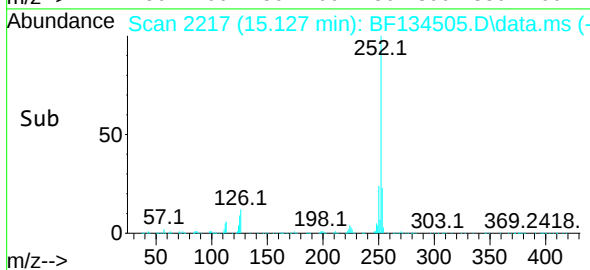
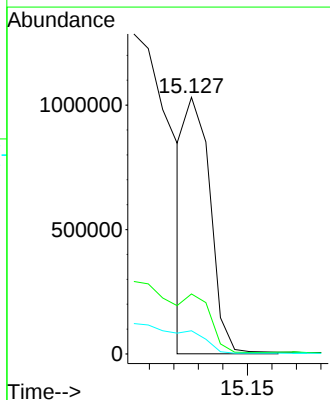
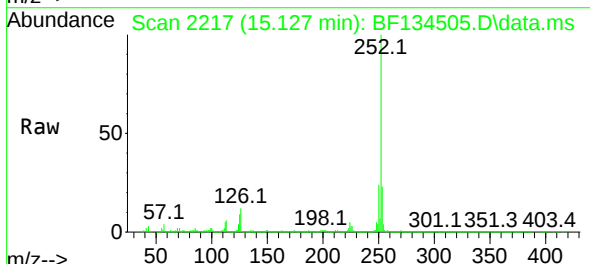
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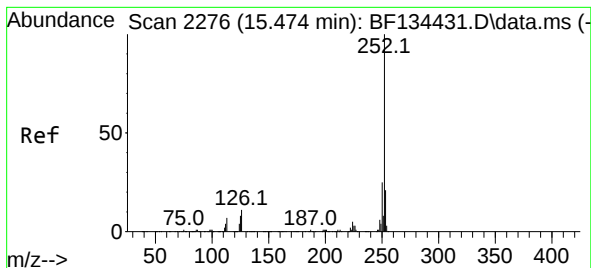
Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023



#89
Benzo(k)fluoranthene
Concen: 70.460 ng m
RT: 15.127 min Scan# 2217
Delta R.T. 0.024 min
Lab File: BF134505.D
Acq: 27 Jul 2023 14:47

Tgt Ion:252 Resp: 729826
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 9.0 6.3 9.5





#90

Benzo(a)pyrene

Concen: 58.128 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF134505.D

Acq: 27 Jul 2023 14:47

Instrument :

BNA_F

ClientSampleId :

80001

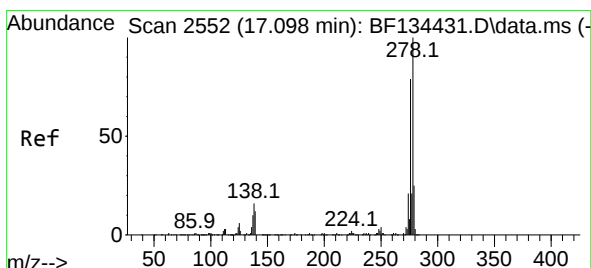
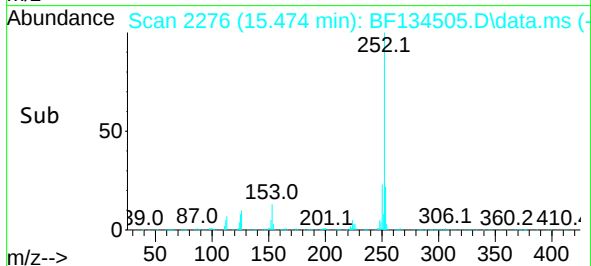
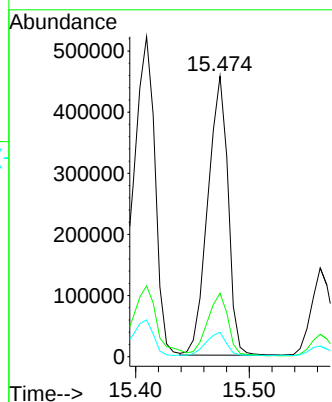
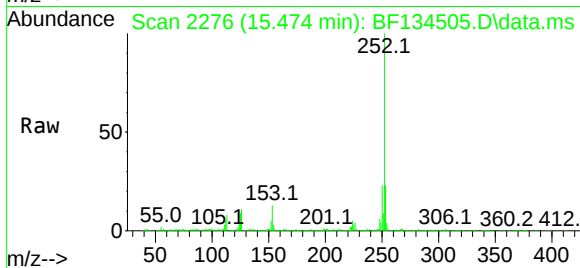
Tgt Ion:252 Resp: 56590
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.0 25.4
 125 8.7 6.2 9.4

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Reviewed By :Yogesh Patel 07/28/2023

Supervised By :mohammad ahmed 07/28/2023



#91

Dibenzo(a,h)anthracene

Concen: 9.045 ng m

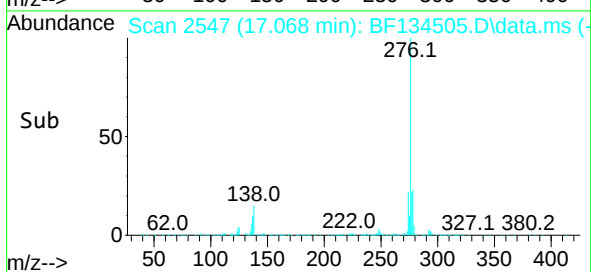
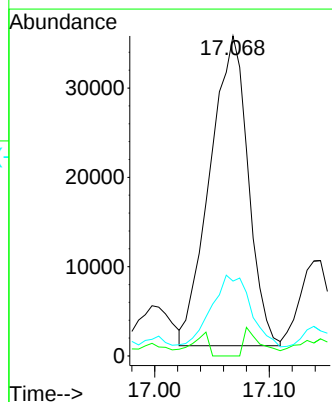
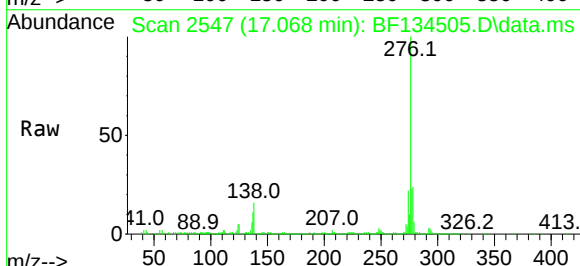
RT: 17.068 min Scan# 2547

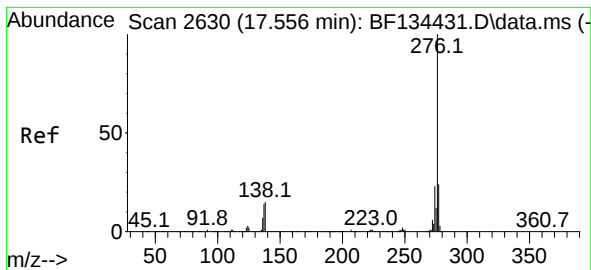
Delta R.T. 0.000 min

Lab File: BF134505.D

Acq: 27 Jul 2023 14:47

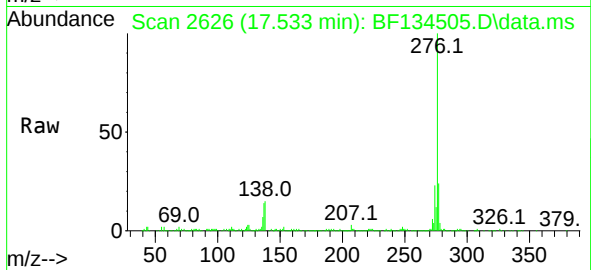
Tgt Ion:278 Resp: 80341
 Ion Ratio Lower Upper
 278 100
 139 0.0 10.0 15.0#
 279 23.4 19.7 29.5





#92
 Benzo(g,h,i)perylene
 Concen: 25.887 ng
 RT: 17.533 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF134505.D
 Acq: 27 Jul 2023 14:47

Instrument :
 BNA_F
 ClientSampleId :
 80001



Tgt Ion:276 Resp: 23610
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.0 28.6
 138 15.5 12.2 18.2

Manual Integrations
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Reviewed By :Yogesh Patel 07/28/2023
 Supervised By :mohammad ahmed 07/28/2023

