

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134975.D
 Acq On : 28 Aug 2023 18:41
 Operator : CG\JU
 Sample : 04110-10DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11(1-2)DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

Quant Time: Aug 29 03:51:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	106085	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	383960	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	172487	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	287983	20.000	ng	-0.01
76) Chrysene-d12	13.980	240	257775	20.000	ng	0.00
86) Perylene-d12	15.451	264	224479	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	116276	17.478	ng	0.00
7) Phenol-d6	6.422	99	263379	30.983	ng	-0.02
23) Nitrobenzene-d5	7.345	82	199703	28.660	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	12247	6.029	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	343737	30.807	ng	-0.01
79) Terphenyl-d14	12.916	244	329789	17.596	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.092	128	89153	4.650	ng	99
52) Acenaphthene	9.857	154	47126	4.777	ng	98
55) Dibenzofuran	10.034	168	31241	2.175	ng	# 93
58) Fluorene	10.375	166	28203	2.589	ng	99
71) Phenanthrene	11.345	178	373462	24.748	ng	99
72) Anthracene	11.392	178	89315	5.776	ng	98
73) Carbazole	11.551	167	53061	4.165	ng	97
75) Fluoranthene	12.539	202	608039	42.524	ng	99
78) Pyrene	12.769	202	550485	20.141	ng	100
81) Benzo(a)anthracene	13.969	228	371183	21.105	ng	97
83) Chrysene	14.004	228	366730	21.134	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	159393	9.934	ng	96
88) Benzo(b)fluoranthene	15.021	252	445916m	35.209	ng	
89) Benzo(k)fluoranthene	15.051	252	160384m	12.896	ng	
90) Benzo(a)pyrene	15.392	252	311024	24.600	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	41406	3.189	ng	# 90
92) Benzo(g,h,i)perylene	17.398	276	151093	11.369	ng	97

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

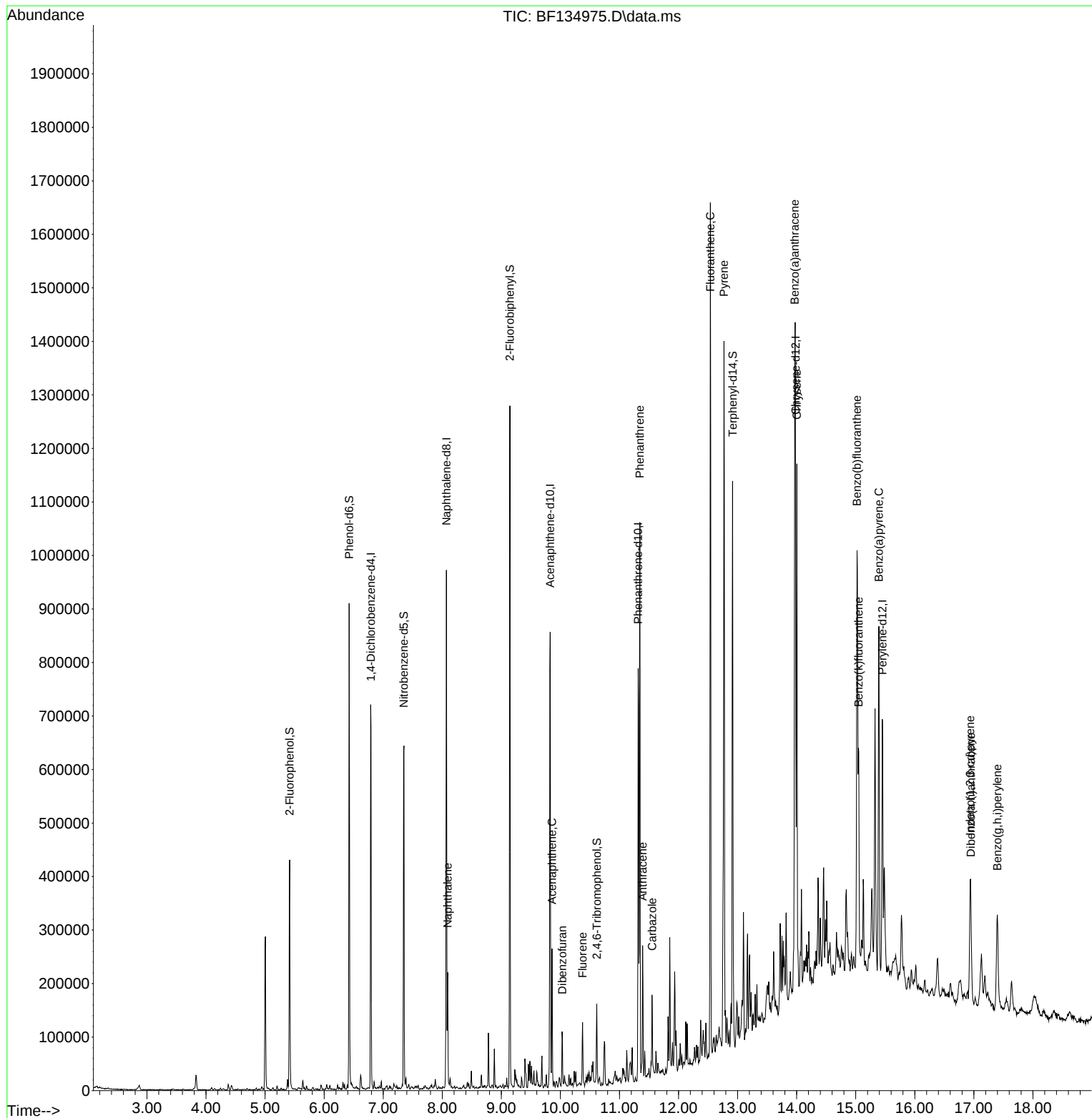
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
Data File : BF134975.D
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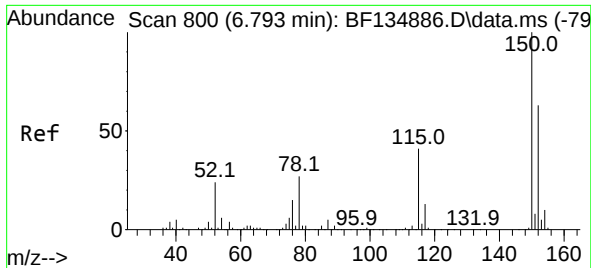
Instrument :
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Quant Time: Aug 29 03:51:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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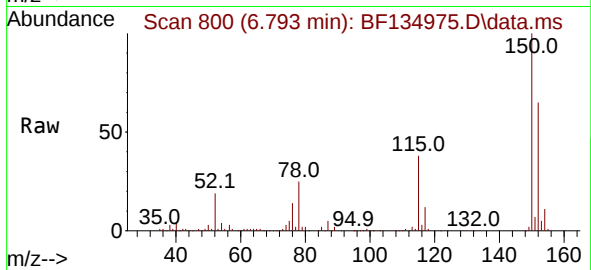
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.000 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

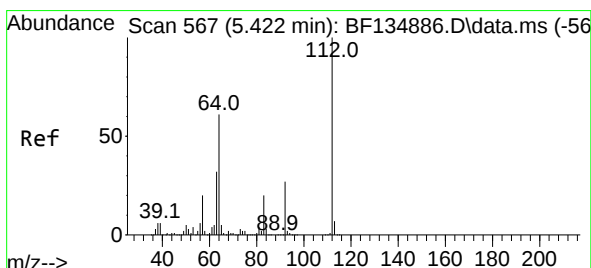
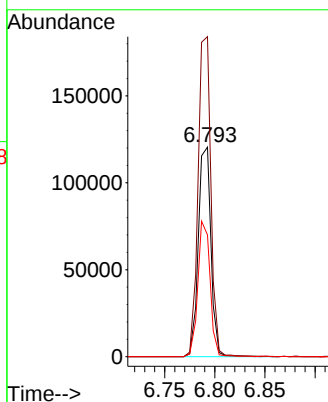
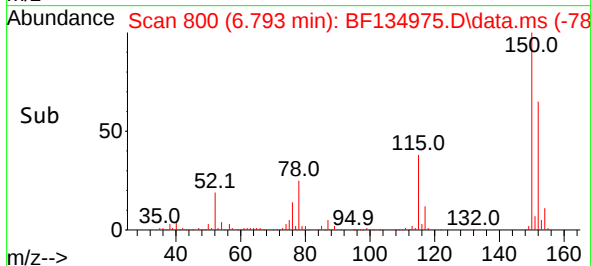
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL



Tgt Ion:152 Resp: 106085
Ion Ratio Lower Upper
152 100
150 152.7 126.1 189.1
115 58.1 51.1 76.7

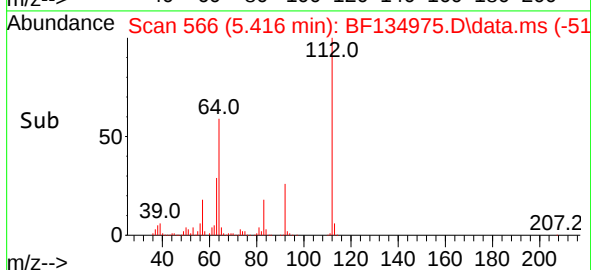
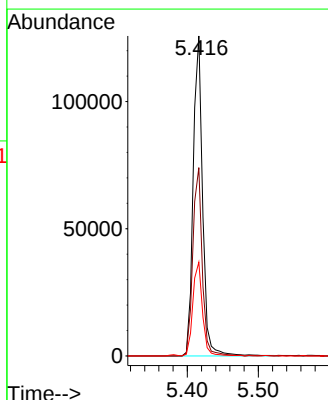
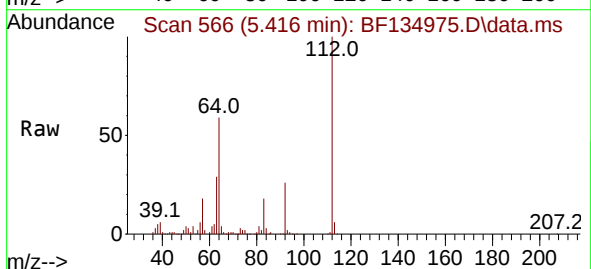
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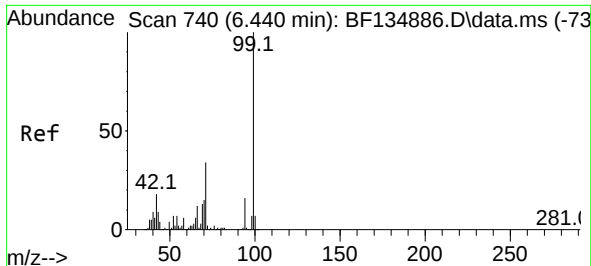
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#5
2-Fluorophenol
Concen: 17.478 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

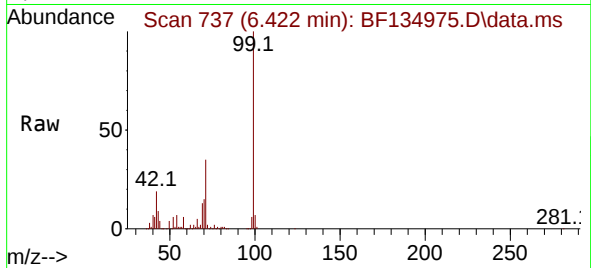
Tgt Ion:112 Resp: 116276
Ion Ratio Lower Upper
112 100
64 58.8 48.6 73.0
63 29.3 25.7 38.5





#7
Phenol-d6
Concen: 30.983 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

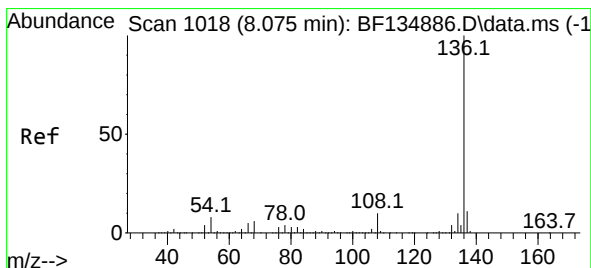
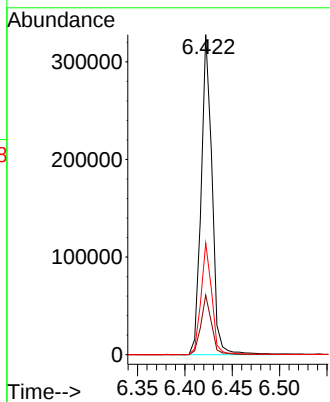
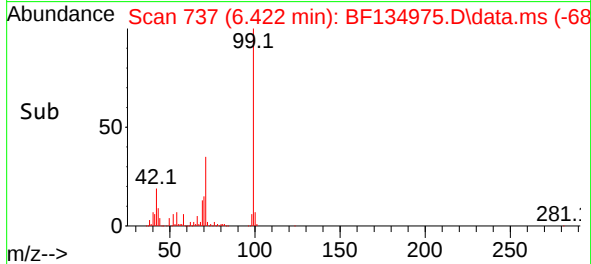
Instrument :
BNA_F
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TP-11(1-2)DL



Tgt Ion: 99 Resp: 263379
Ion Ratio Lower Upper
99 100
42 18.6 14.6 22.0
71 34.9 27.6 41.4

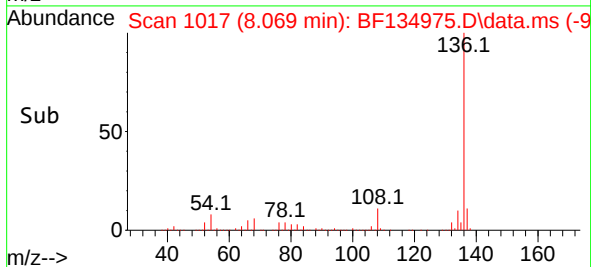
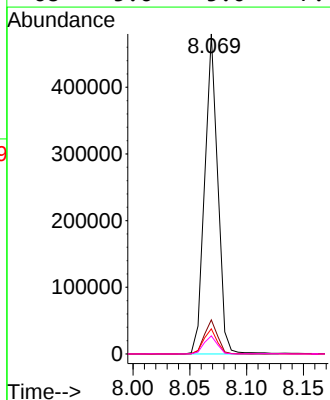
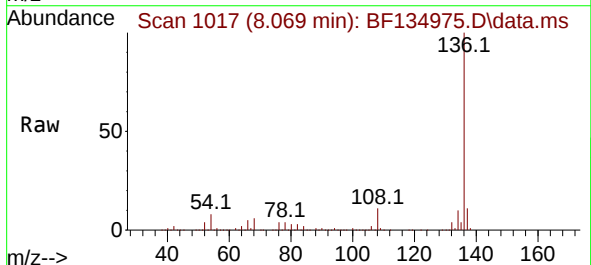
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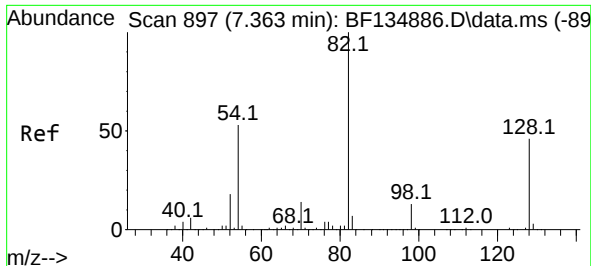
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:136 Resp: 383960
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.8 6.6 9.8
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 28.660 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)DL

Tgt Ion: 82 Resp: 19970

Ion Ratio Lower Upper

82 100

128 42.0 36.6 54.8

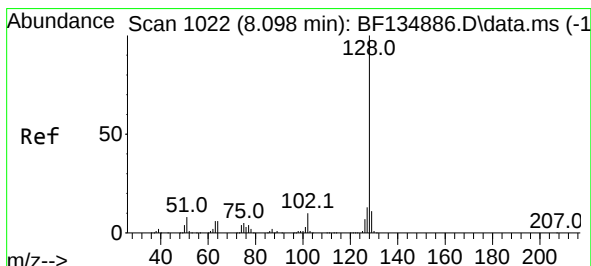
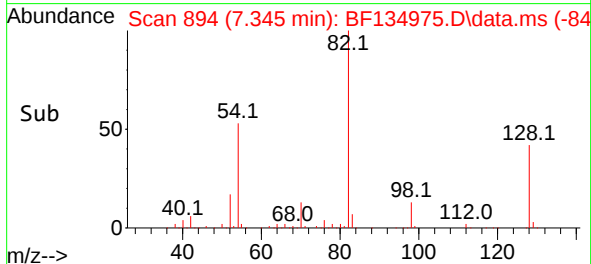
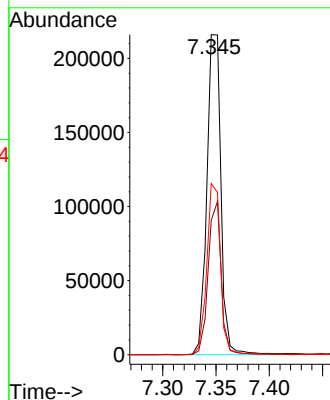
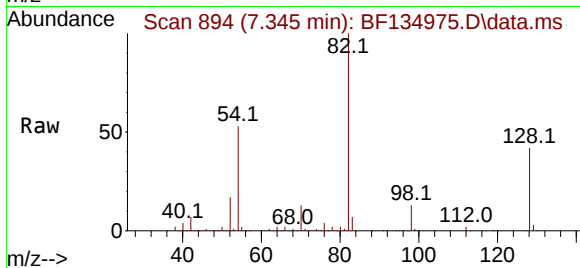
54 53.4 42.6 63.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#31

Naphthalene

Concen: 4.650 ng

RT: 8.092 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

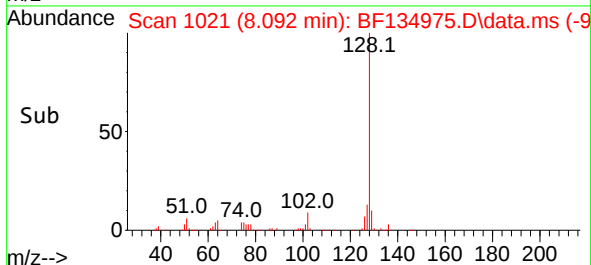
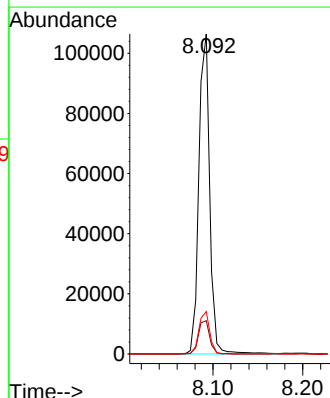
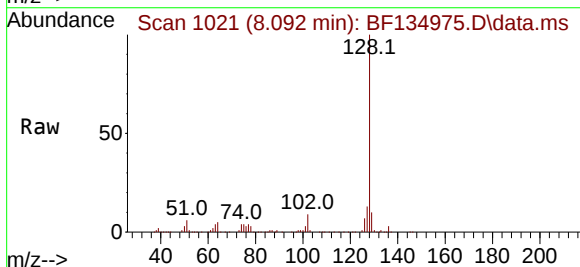
Tgt Ion:128 Resp: 89153

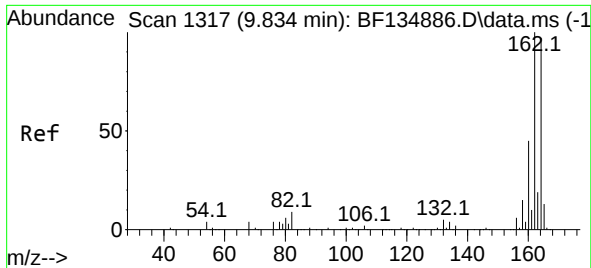
Ion Ratio Lower Upper

128 100

129 10.4 9.0 13.4

127 13.2 10.6 16.0





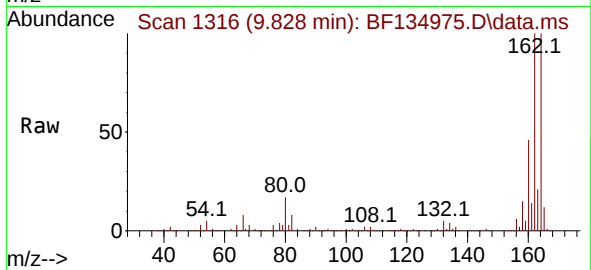
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)DL



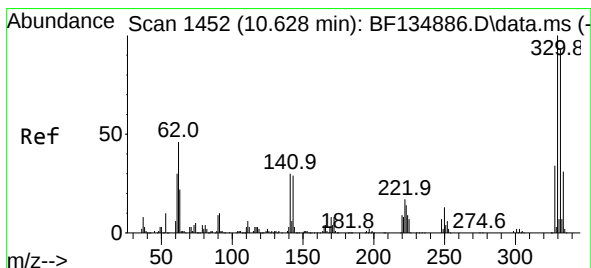
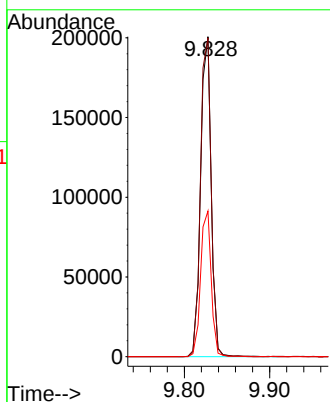
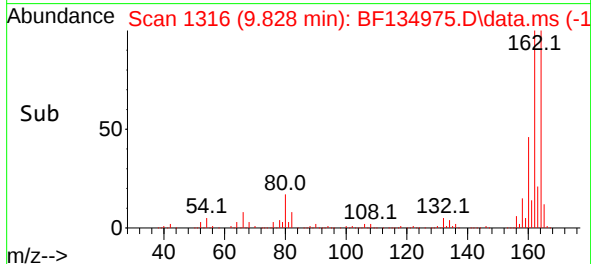
Tgt Ion:164 Resp: 17248
Ion Ratio Lower Upper
164 100
162 99.6 82.6 123.8
160 45.5 37.0 55.4

Manual Integrations

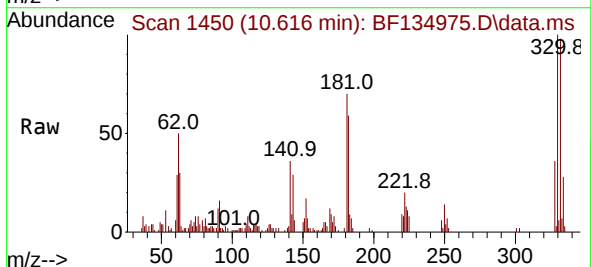
APPROVED

Reviewed By :Yogesh Patel 08/29/2023

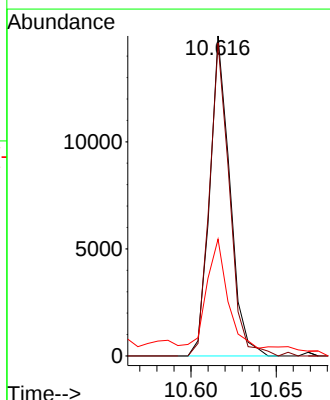
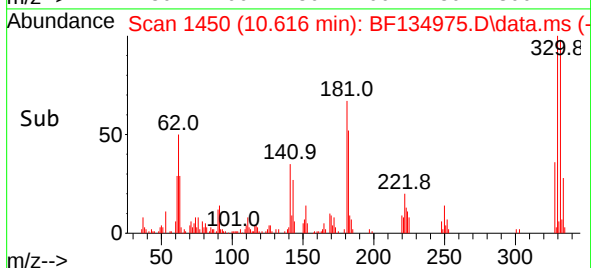
Supervised By :mohammad ahmed 08/29/2023

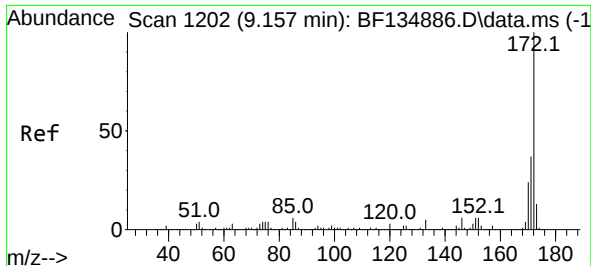


#42
2,4,6-Tribromophenol
Concen: 6.029 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41



Tgt Ion:330 Resp: 12247
Ion Ratio Lower Upper
330 100
332 97.6 76.3 114.5
141 49.3 23.4 35.2#





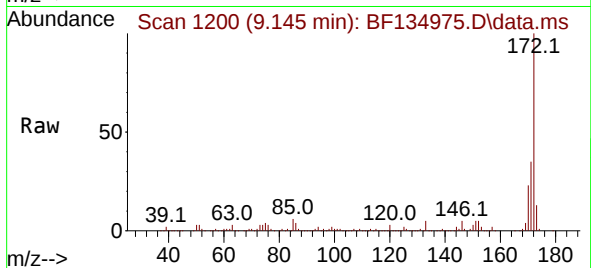
#45
2-Fluorobiphenyl
Concen: 30.807 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)DL

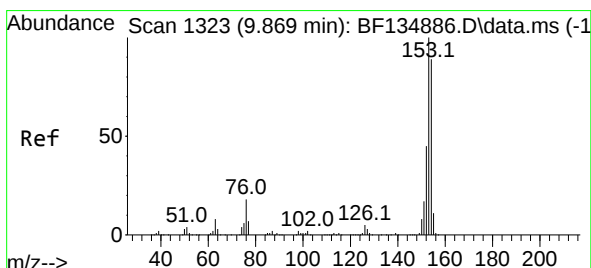
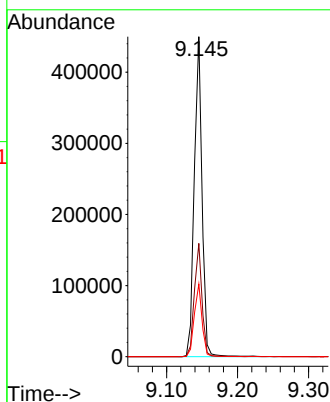
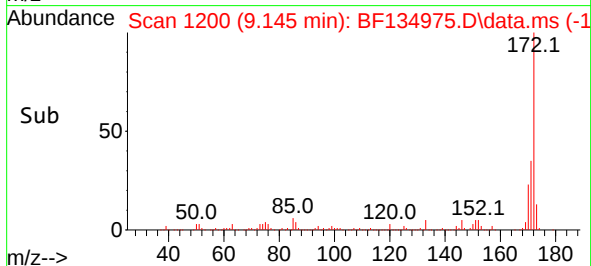


Tgt Ion:172 Resp: 34373
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.0
170 22.7 19.6 29.4

Manual Integrations

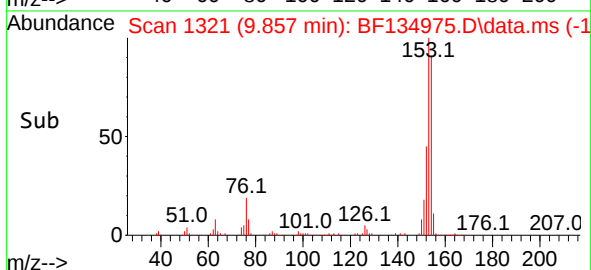
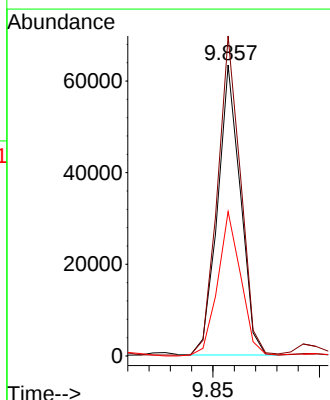
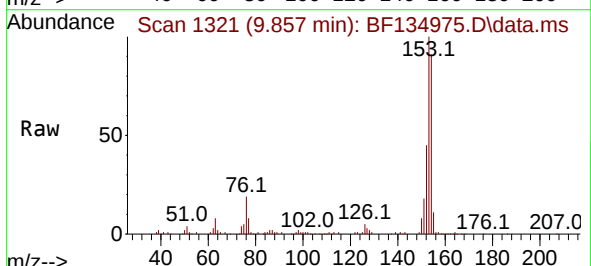
APPROVED

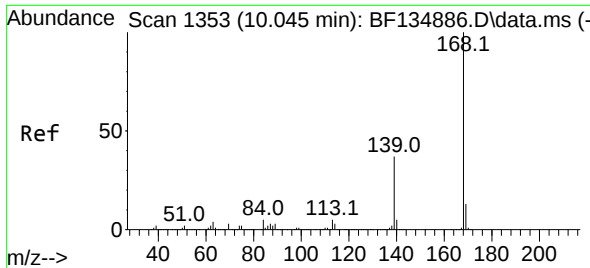
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#52
Acenaphthene
Concen: 4.777 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

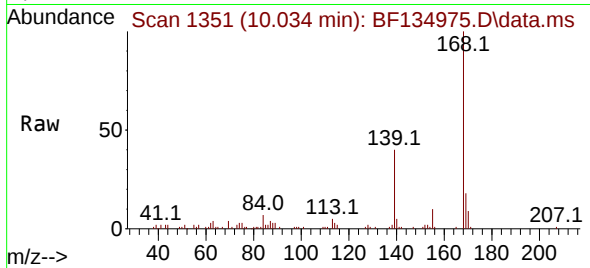
Tgt Ion:154 Resp: 47126
Ion Ratio Lower Upper
154 100
153 110.0 89.6 134.4
152 49.6 40.5 60.7





#55
Dibenzenofuran
Concen: 2.175 ng
RT: 10.034 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

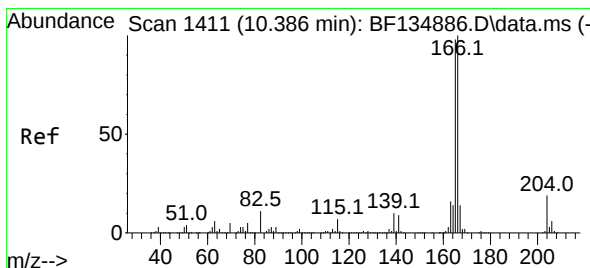
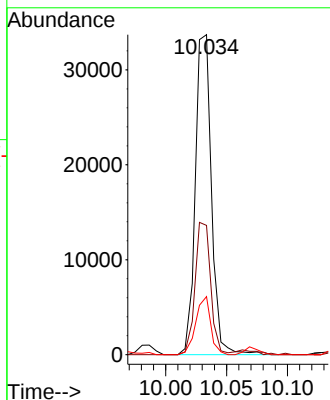
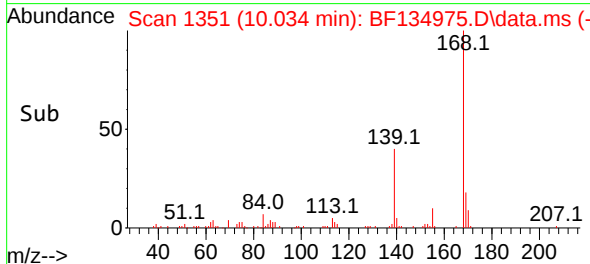
Instrument :
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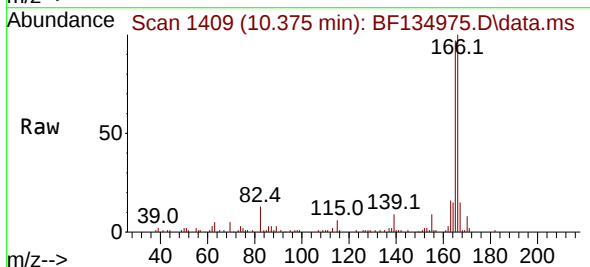
Tgt Ion:168 Resp: 3124
Ion Ratio Lower Upper
168 100
139 40.4 29.5 44.3
169 18.1 10.7 16.1

Manual Integrations
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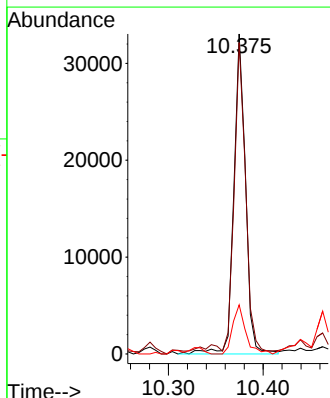
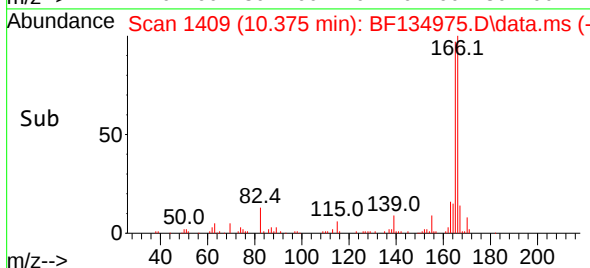
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

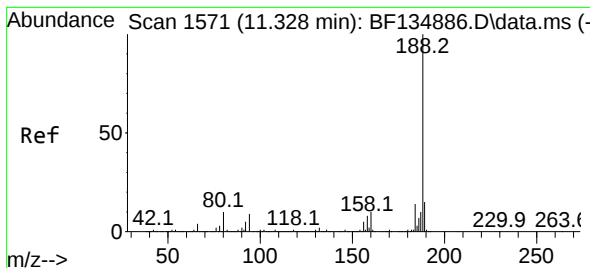


#58
Fluorene
Concen: 2.589 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.011 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41



Tgt Ion:166 Resp: 28203
Ion Ratio Lower Upper
166 100
165 97.3 78.5 117.7
167 15.4 11.0 16.6





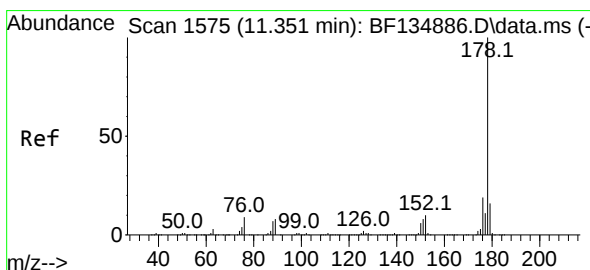
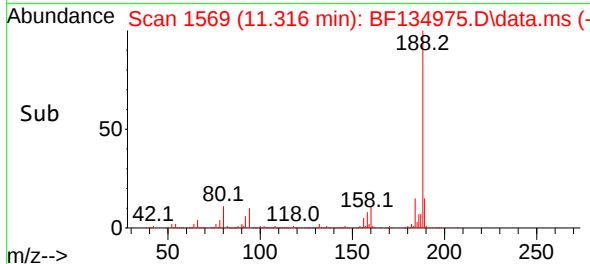
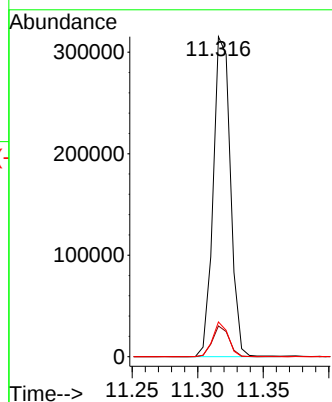
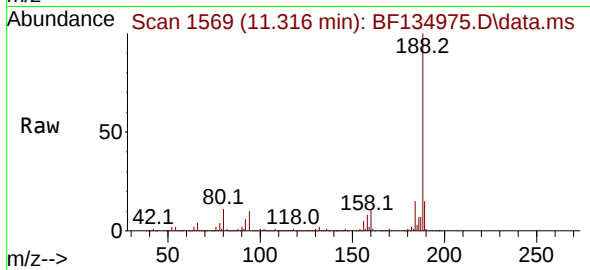
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL

Tgt Ion:188 Resp: 28798
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.8 7.8 11.6

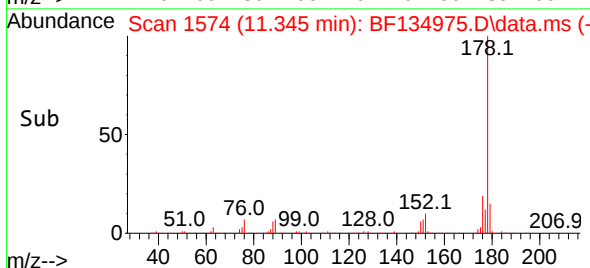
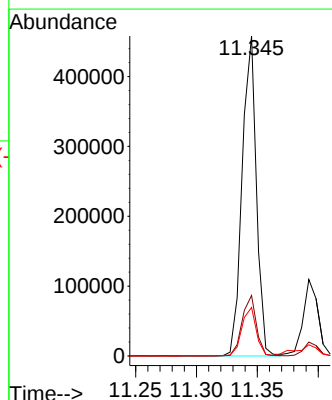
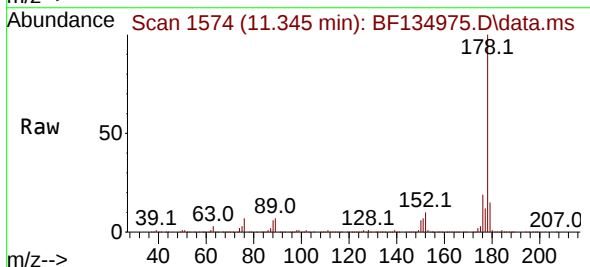
Manual Integrations
APPROVED

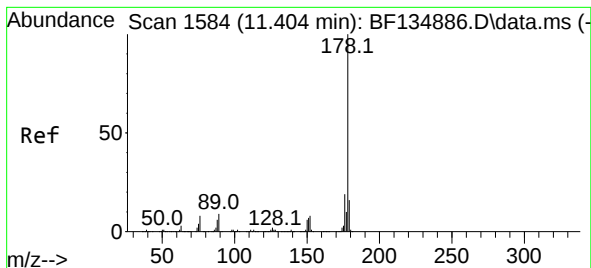
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#71
Phenanthrene
Concen: 24.748 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:178 Resp: 373462
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.2 12.6 19.0





#72

Anthracene

Concen: 5.776 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)DL

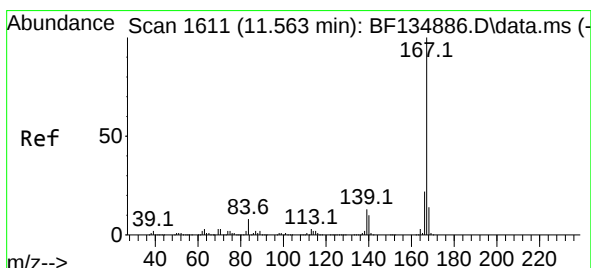
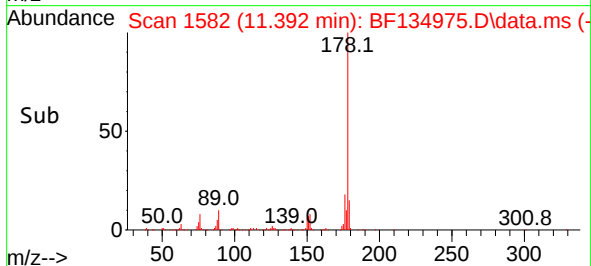
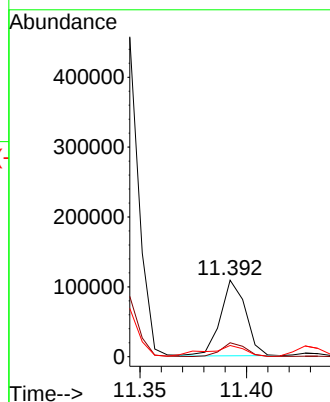
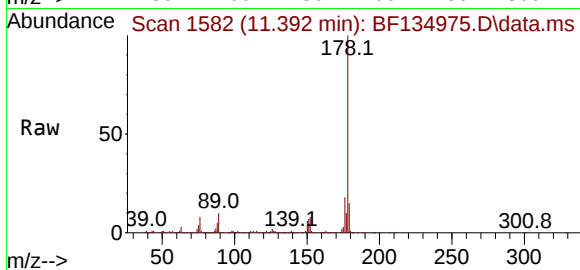
Tgt Ion:178	Resp:	8931
Ion Ratio	Lower	Upper
178	100	
176	18.1	15.0 22.6
179	14.7	12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#73

Carbazole

Concen: 4.165 ng

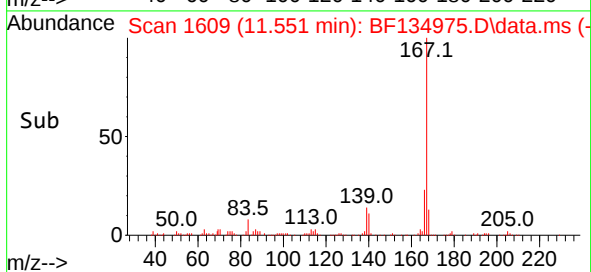
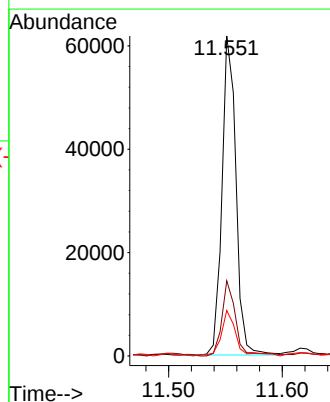
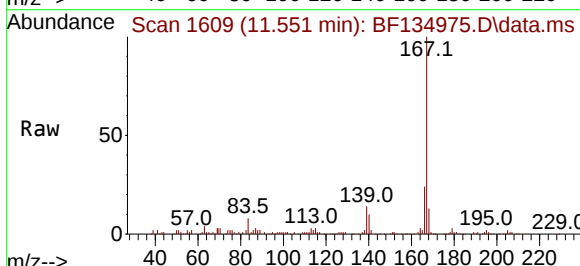
RT: 11.551 min Scan# 1609

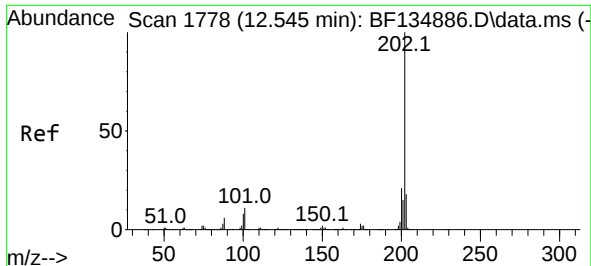
Delta R.T. -0.012 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

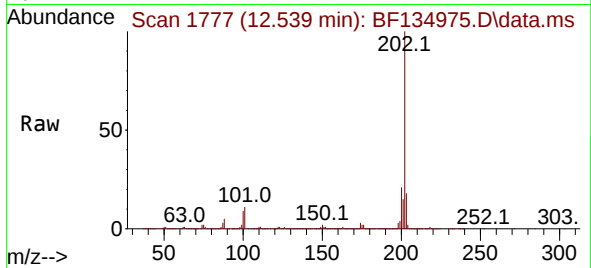
Tgt Ion:167	Resp:	53061
Ion Ratio	Lower	Upper
167	100	
166	23.5	17.4 26.2
139	14.2	10.4 15.6





#75
Fluoranthene
Concen: 42.524 ng
RT: 12.539 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

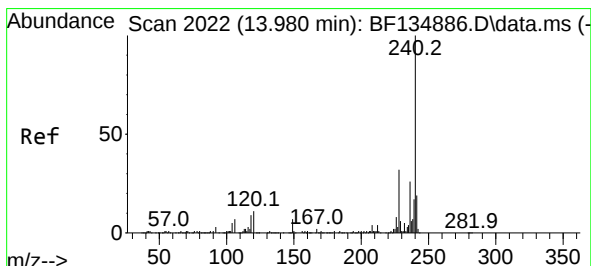
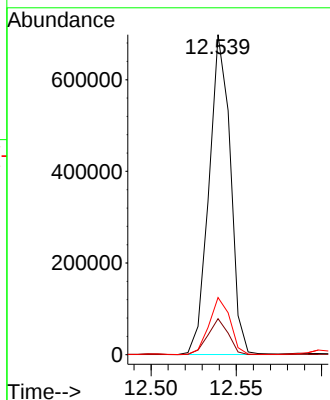
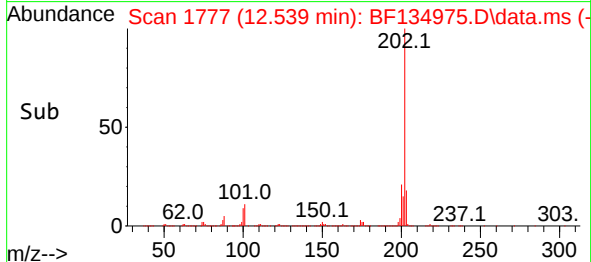
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL



Tgt Ion:202 Resp: 608039
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.5
203 17.9 0.0 37.8

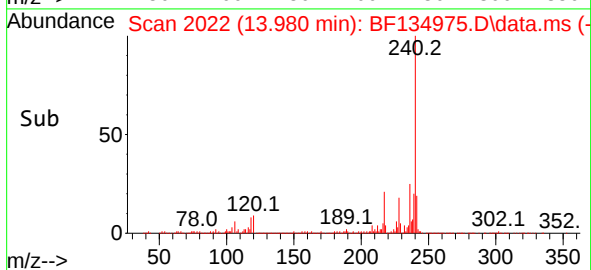
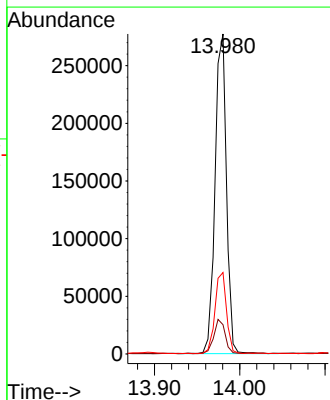
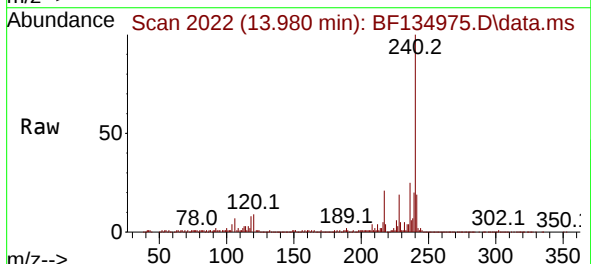
Manual Integrations
APPROVED

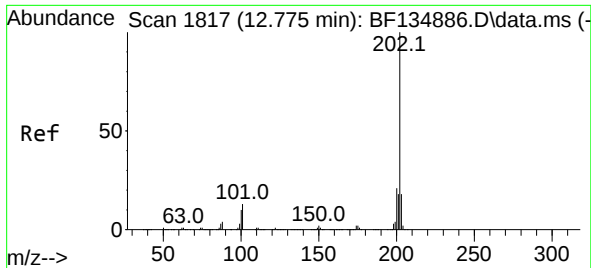
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

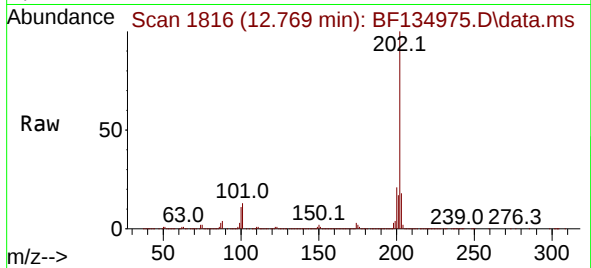
Tgt Ion:240 Resp: 257775
Ion Ratio Lower Upper
240 100
120 9.2 8.6 12.8
236 25.5 20.6 31.0





#78
Pyrene
Concen: 20.141 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

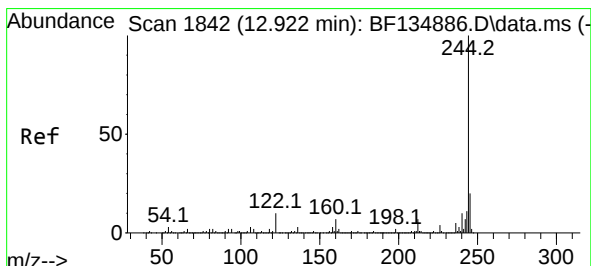
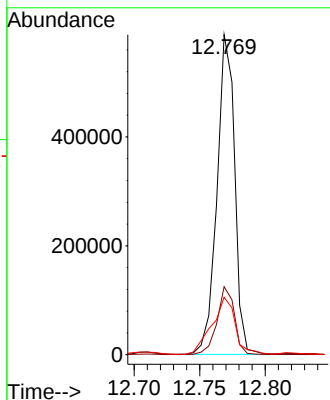
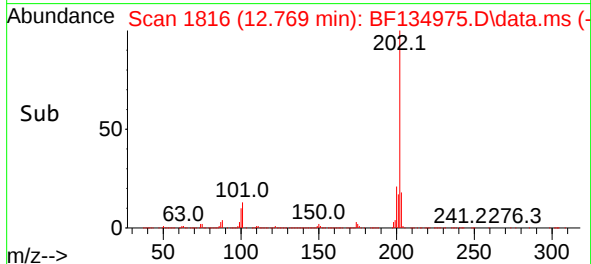
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL



Tgt Ion:202 Resp: 550489
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.9 14.2 21.2

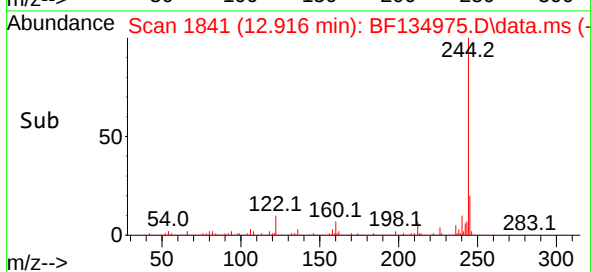
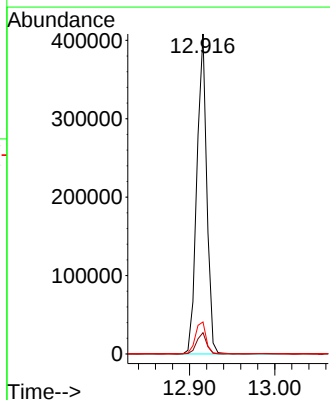
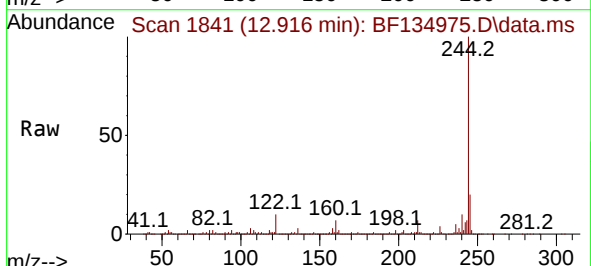
Manual Integrations
APPROVED

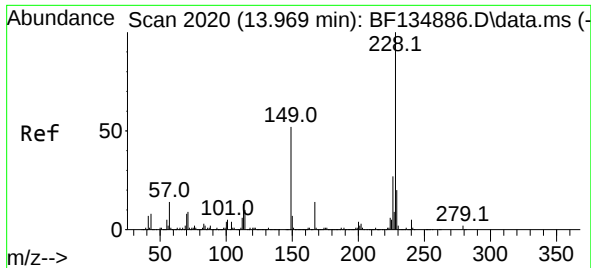
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#79
Terphenyl-d14
Concen: 17.596 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:244 Resp: 329789
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 10.0 8.2 12.4





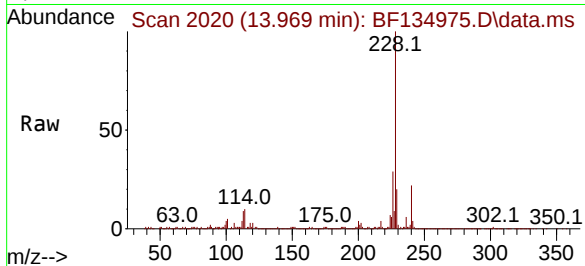
#81
Benzo(a)anthracene
Concen: 21.105 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)DL

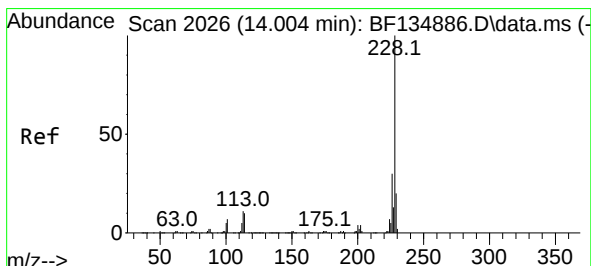
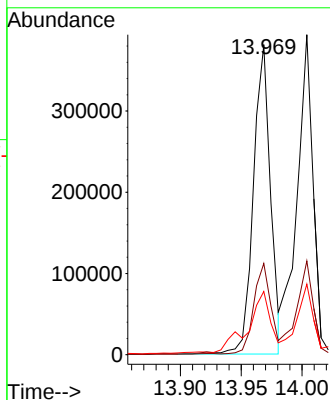
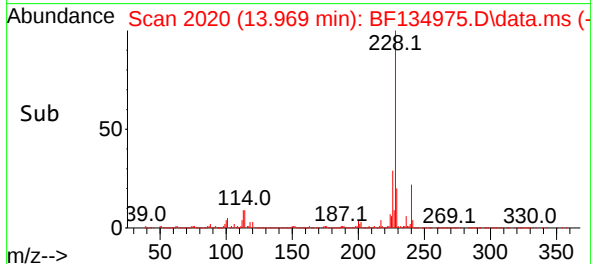


Tgt Ion:228 Resp: 371183
Ion Ratio Lower Upper
228 100
226 29.4 21.8 32.6
229 20.4 15.6 23.4

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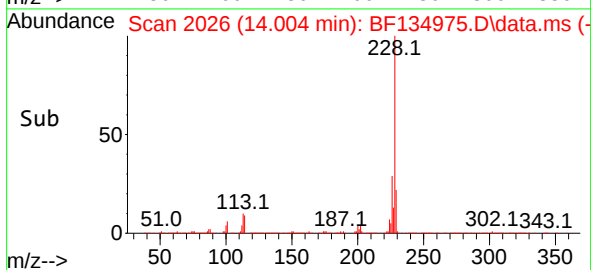
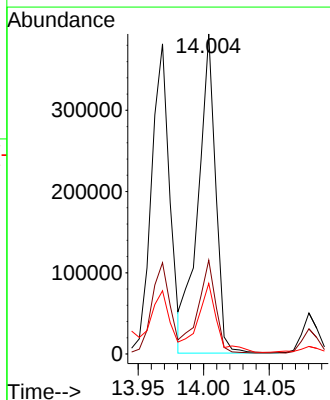
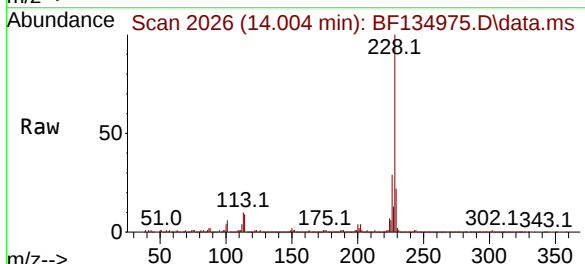
APPROVED

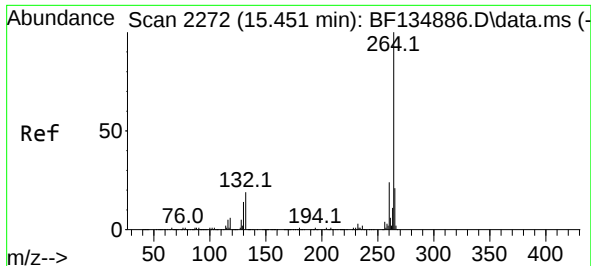
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#83
Chrysene
Concen: 21.134 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:228 Resp: 366730
Ion Ratio Lower Upper
228 100
226 29.3 24.2 36.2
229 22.1 16.0 24.0





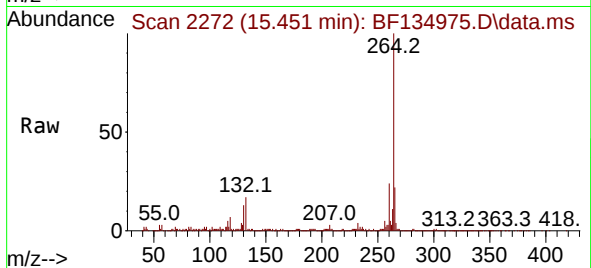
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)DL

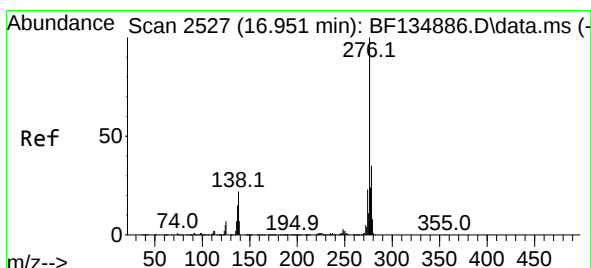
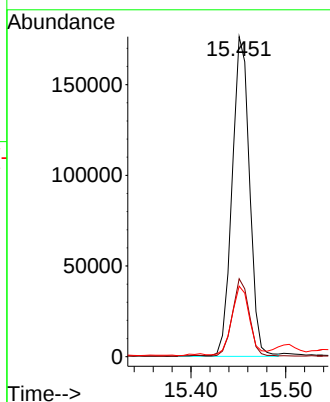
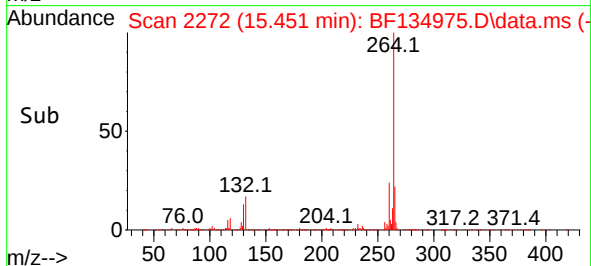


Tgt Ion:264 Resp: 224479
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.6
265 22.1 17.1 25.7

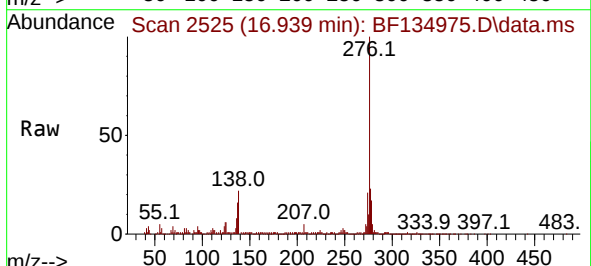
Manual Integrations

APPROVED

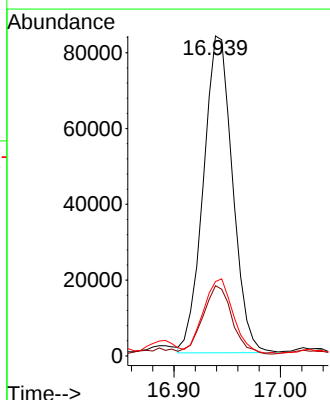
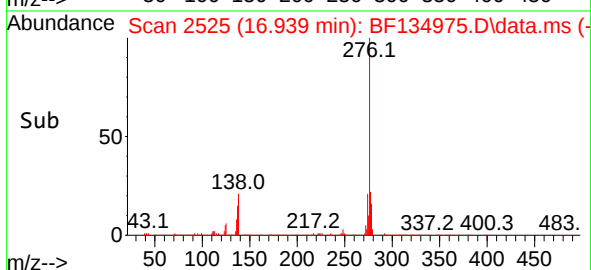
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

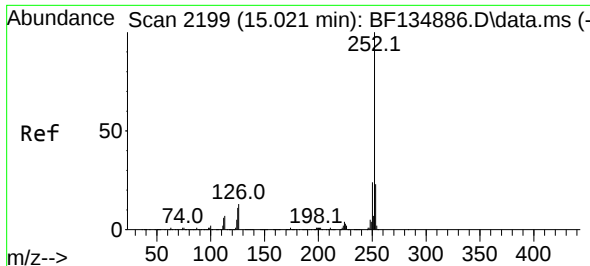


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.934 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.012 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41



Tgt Ion:276 Resp: 159393
Ion Ratio Lower Upper
276 100
138 21.7 19.7 29.5
277 23.8 20.1 30.1





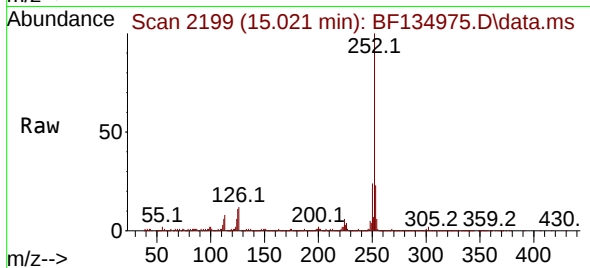
#88
Benzo(b)fluoranthene
Concen: 35.209 ng m
RT: 15.021 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Instrument :

BNF

ClientSampleId :

TP-11(1-2)DL

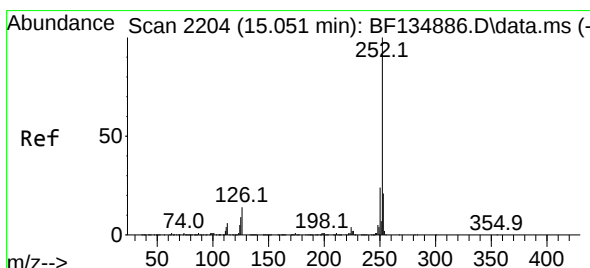
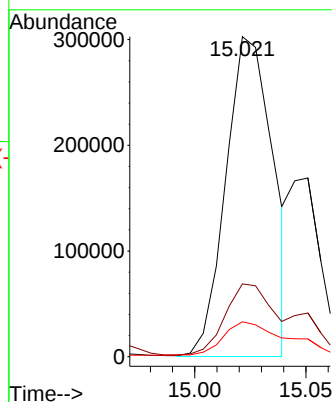
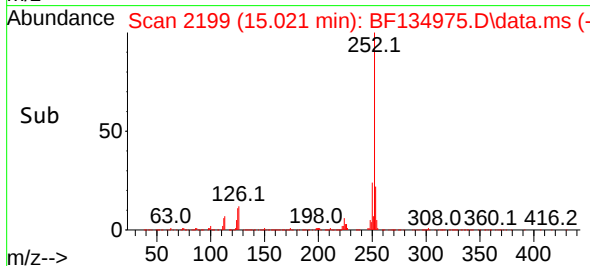


Tgt Ion:252 Resp: 445910
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 10.9 8.4 12.6

Manual Integrations

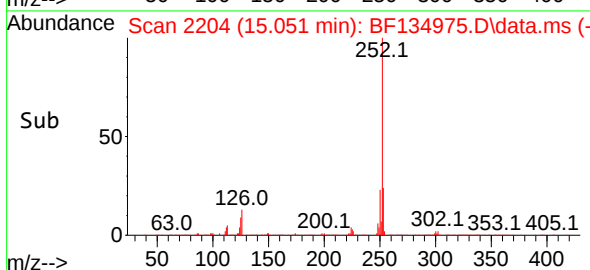
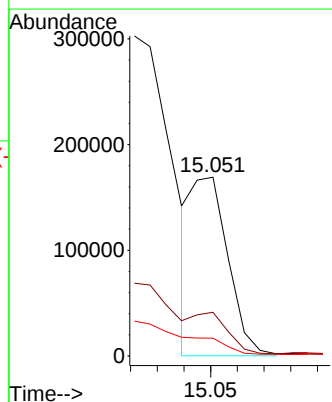
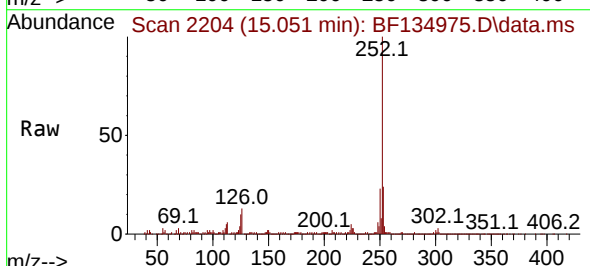
APPROVED

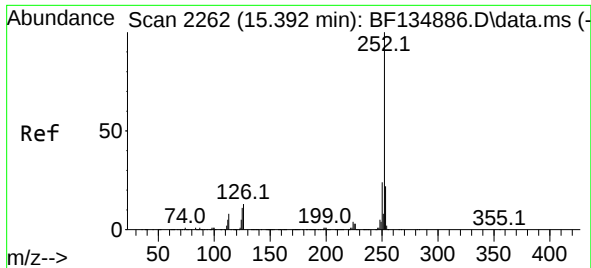
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#89
Benzo(k)fluoranthene
Concen: 12.896 ng m
RT: 15.051 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:252 Resp: 160384
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 10.0 8.0 12.0





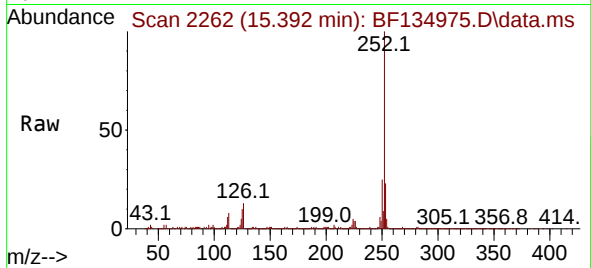
#90
Benzo(a)pyrene
Concen: 24.600 ng
RT: 15.392 min Scan# 211
Delta R.T. 0.000 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)DL

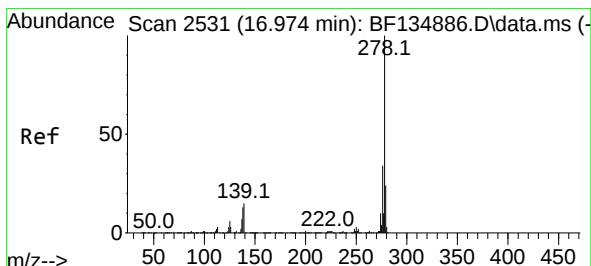
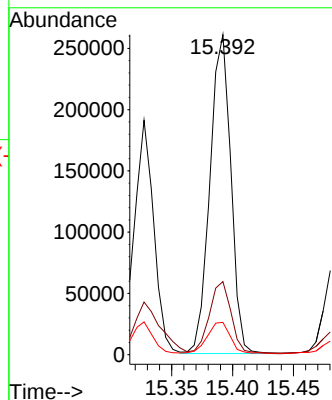
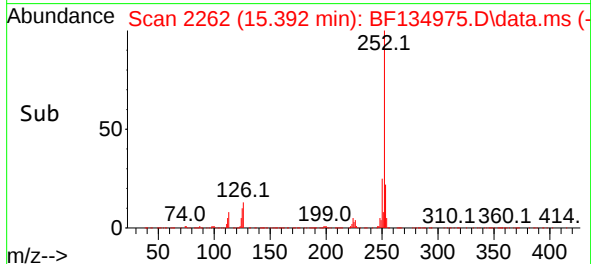


Tgt Ion:252 Resp: 311024
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 10.1 8.4 12.6

Manual Integrations

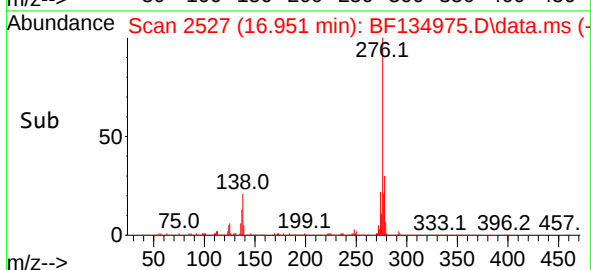
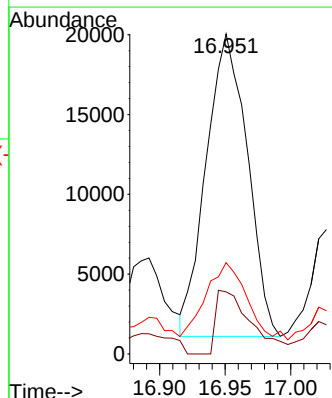
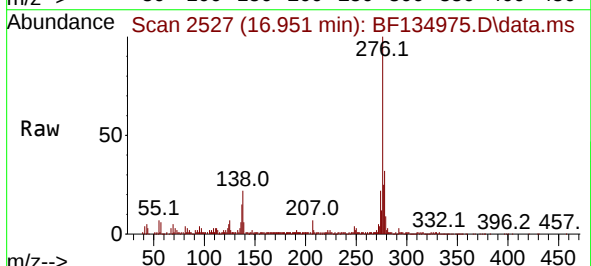
APPROVED

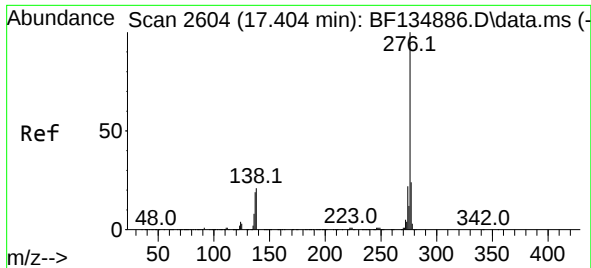
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.189 ng
RT: 16.951 min Scan# 2527
Delta R.T. -0.024 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:278 Resp: 41406
Ion Ratio Lower Upper
278 100
139 19.4 12.2 18.4#
279 28.6 19.1 28.7





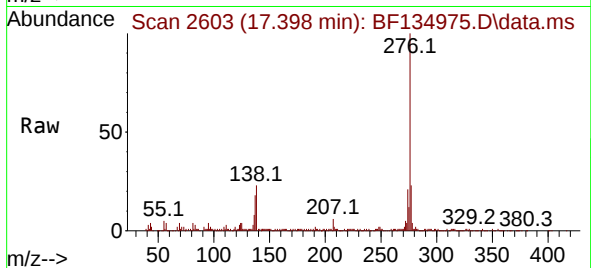
#92
Benzo(g,h,i)perylene
Concen: 11.369 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)DL



Tgt Ion:276 Resp: 151093
Ion Ratio Lower Upper
276 100
277 23.2 19.2 28.8
138 23.0 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023

