

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072924\
 Data File : BF138675.D
 Acq On : 29 Jul 2024 18:14
 Operator : RC/JU
 Sample : P3362-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/30/2024
 Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 29 18:39:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	103266	20.000	ng	-0.02
21) Naphthalene-d8	8.128	136	382955	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	157997	20.000	ng	-0.02
64) Phenanthrene-d10	11.374	188	214499	20.000	ng	-0.01
76) Chrysene-d12	14.021	240	150624	20.000	ng	0.00
86) Perylene-d12	15.486	264	112419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	771588	118.336	ng	-0.01
7) Phenol-d6	6.486	99	1002495	115.575	ng	-0.02
23) Nitrobenzene-d5	7.416	82	639890	82.039	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	140680	95.270	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	942753	93.257	ng	-0.02
79) Terphenyl-d14	12.963	244	755228	81.684	ng	-0.01
Target Compounds					Qvalue	
52) Acenaphthene	9.922	154	21935	2.569	ng	99
70) Pentachlorophenol	11.186	266	7045	4.861	ng	99
71) Phenanthrene	11.398	178	171521	15.828	ng	99
72) Anthracene	11.451	178	53072	4.934	ng	99
75) Fluoranthene	12.592	202	546332	49.408	ng	97
78) Pyrene	12.821	202	523474	34.236	ng	99
81) Benzo(a)anthracene	14.010	228	201963	19.983	ng	94
83) Chrysene	14.045	228	152719	15.973	ng	98
84) Bis(2-ethylhexyl)phtha...	13.992	149	24175	4.928	ng	97
87) Indeno(1,2,3-cd)pyrene	16.956	276	49358	6.536	ng	96
88) Benzo(b)fluoranthene	15.062	252	157845m	24.932	ng	
89) Benzo(k)fluoranthene	15.074	252	60952m	9.871	ng	
90) Benzo(a)pyrene	15.427	252	81340	14.625	ng	99
91) Dibenzo(a,h)anthracene	16.968	278	12912	2.090	ng	# 77
92) Benzo(g,h,i)perylene	17.403	276	47007	7.177	ng	# 92

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

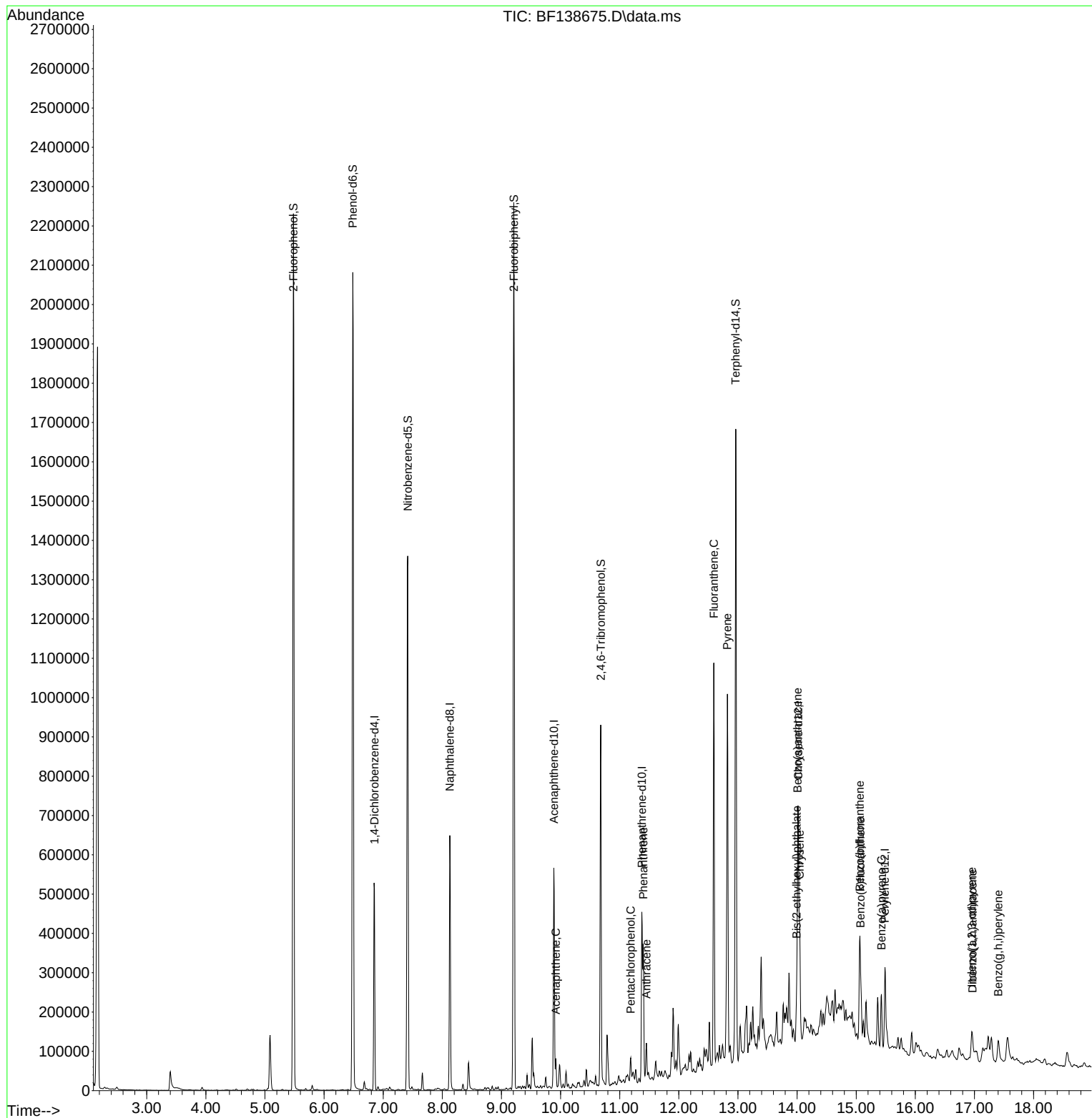
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072924\
Data File : BF138675.D
Acq On : 29 Jul 2024 18:14
Operator : RC/JU
Sample : P3362-04
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ALS Vial : 9 Sample Multiplier: 1

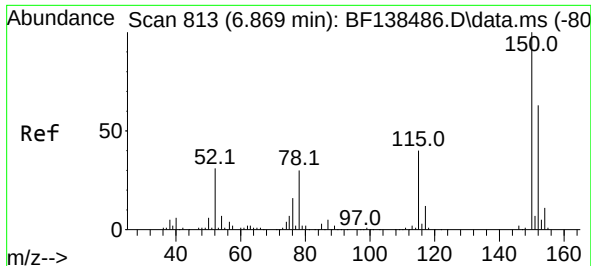
Instrument :
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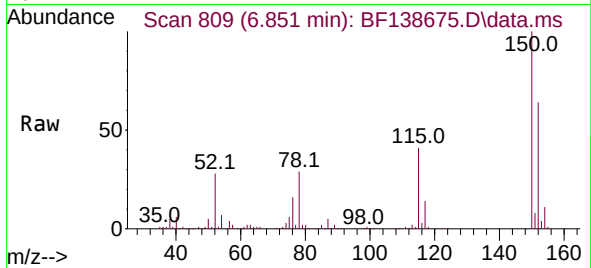
Quant Time: Jul 29 18:39:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 16:58:40 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.018 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

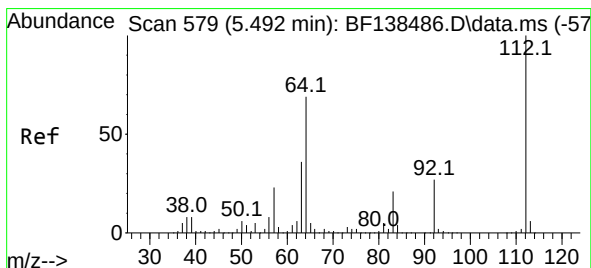
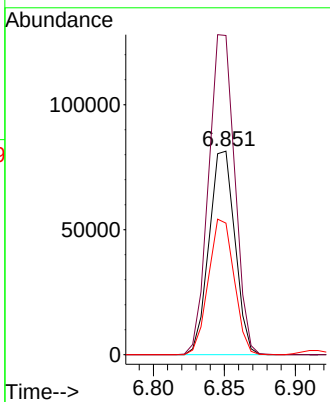
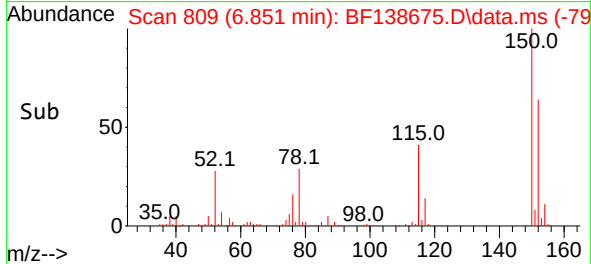
Instrument :
BNA_F
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72-11978



Tgt Ion:152 Resp: 103260
Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.4
115 64.6 50.3 75.5

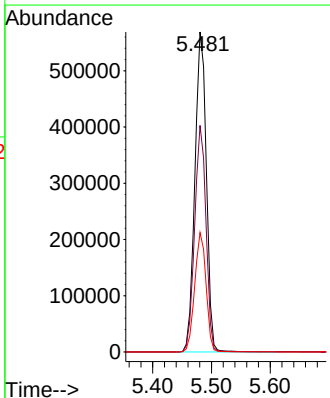
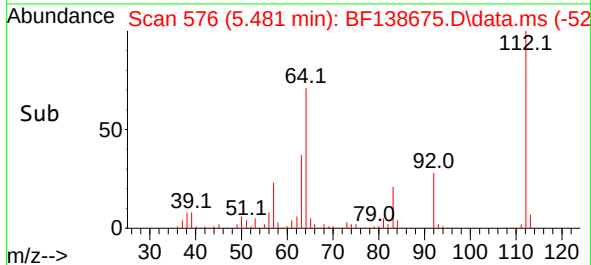
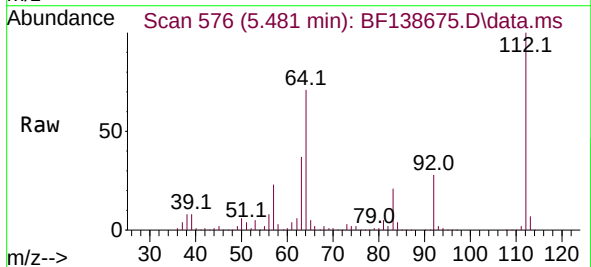
Manual Integrations
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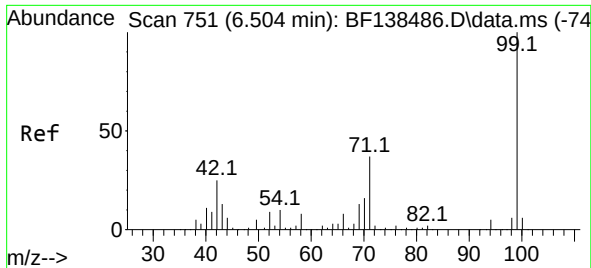
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#5
2-Fluorophenol
Concen: 118.336 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

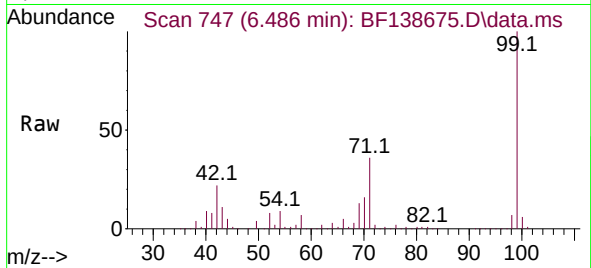
Tgt Ion:112 Resp: 771588
Ion Ratio Lower Upper
112 100
64 70.8 55.1 82.7
63 37.3 29.0 43.6





#7
Phenol-d6
Concen: 115.575 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

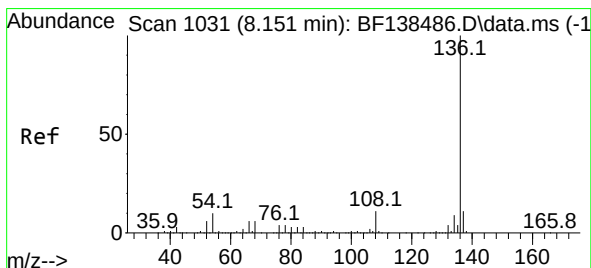
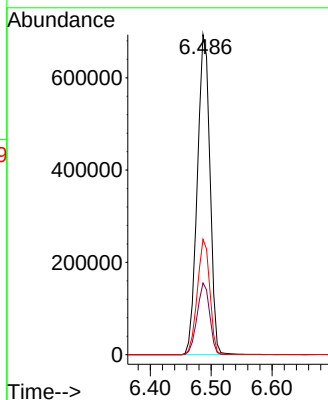
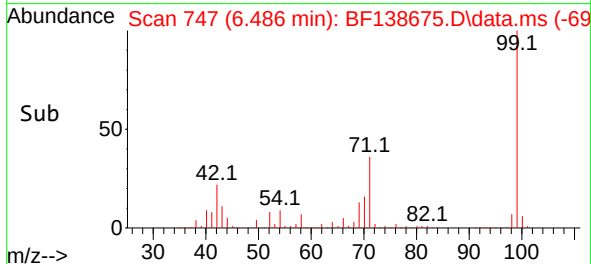
Instrument :
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ClientSampleId :
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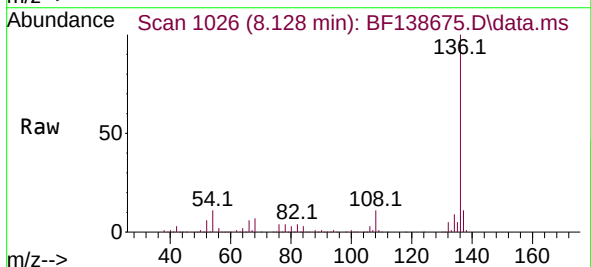
Tgt Ion: 99 Resp: 100249
Ion Ratio Lower Upper
99 100
42 22.4 19.7 29.5
71 36.1 29.9 44.9

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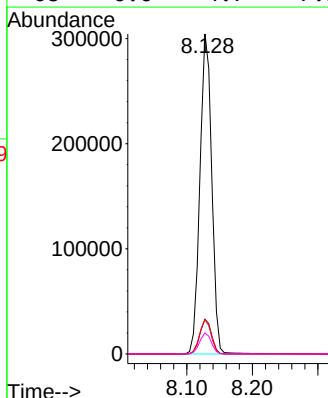
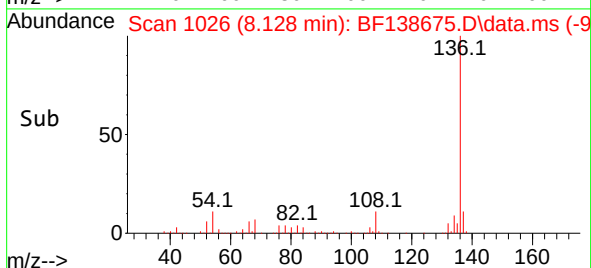
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024

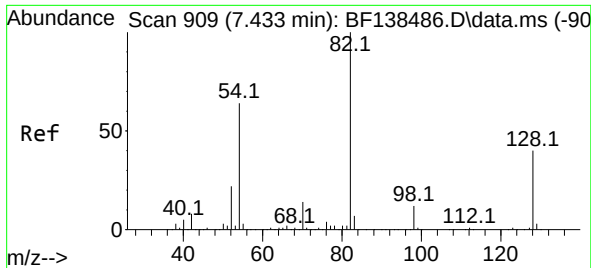


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.024 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14



Tgt Ion:136 Resp: 382955
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.8 8.1 12.1
68 6.6 4.7 7.1





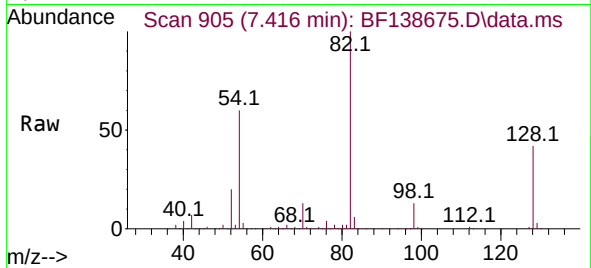
#23
Nitrobenzene-d5
Concen: 82.039 ng
RT: 7.416 min Scan# 909
Delta R.T. -0.018 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

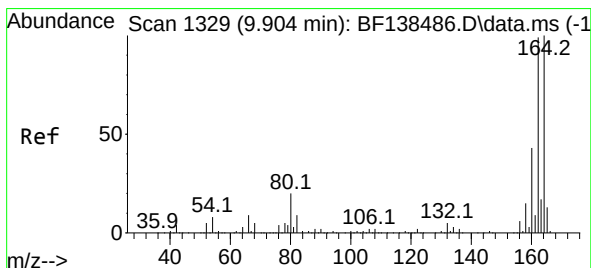
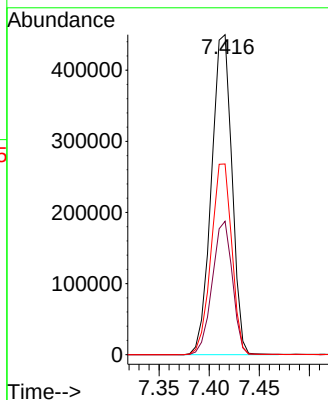
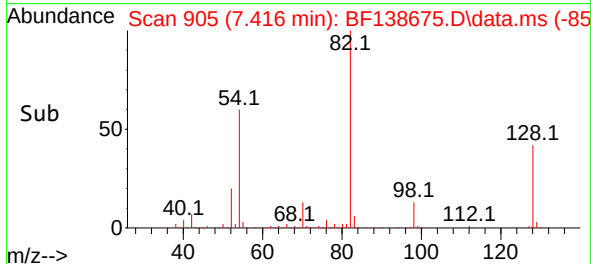
72-11978



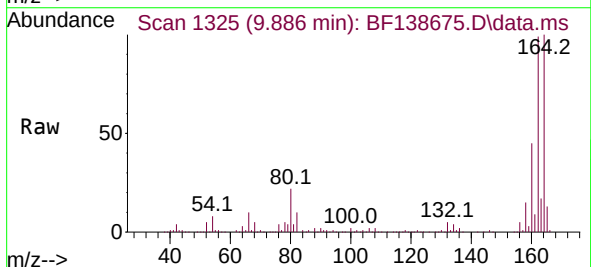
Tgt Ion: 82 Resp: 639890
Ion Ratio Lower Upper
82 100
128 41.7 32.3 48.5
54 59.6 51.4 77.0

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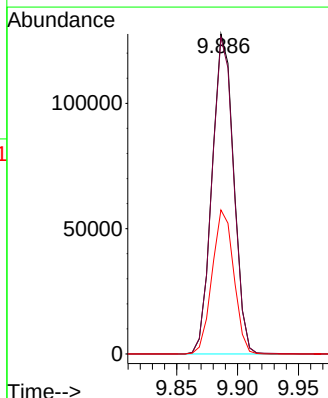
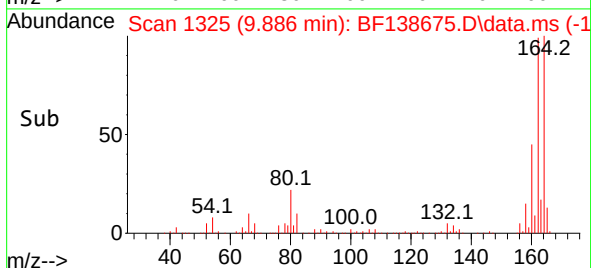
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024

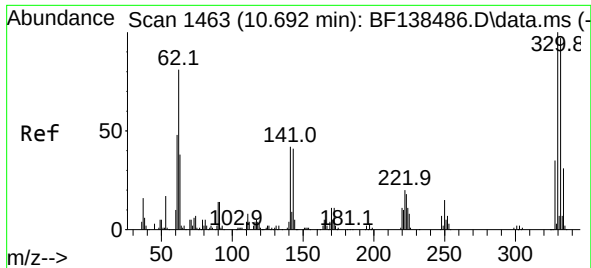


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14



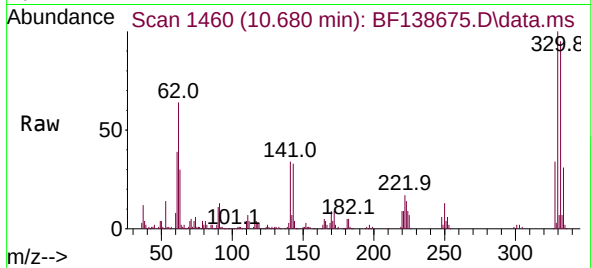
Tgt Ion:164 Resp: 157997
Ion Ratio Lower Upper
164 100
162 98.9 79.0 118.6
160 45.0 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 95.270 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

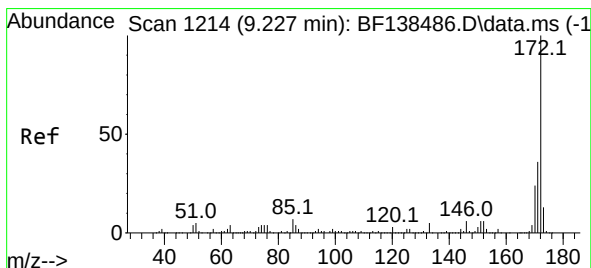
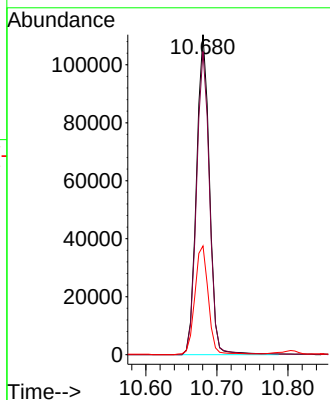
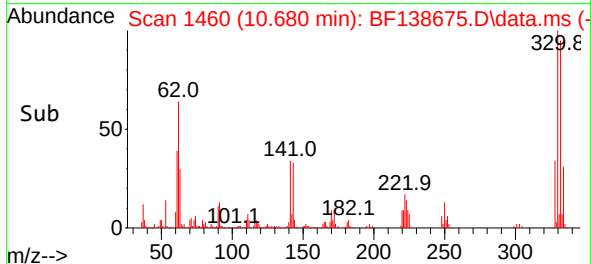
Instrument :
BNA_F
ClientSampleId :
72-11978



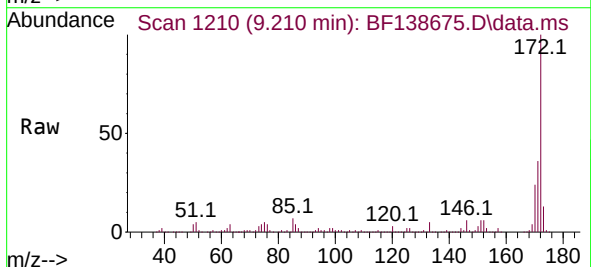
Tgt Ion:330 Resp: 140680
Ion Ratio Lower Upper
330 100
332 95.0 76.8 115.2
141 35.5 29.4 44.2

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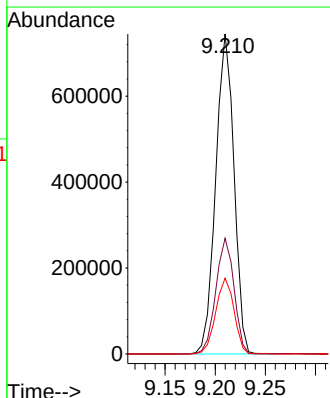
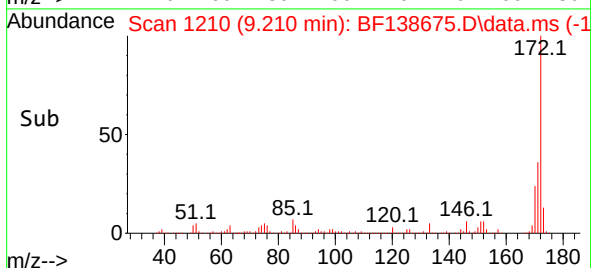
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024

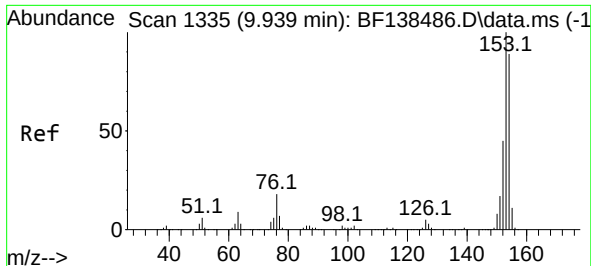


#45
2-Fluorobiphenyl
Concen: 93.257 ng
RT: 9.210 min Scan# 1210
Delta R.T. -0.018 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14



Tgt Ion:172 Resp: 942753
Ion Ratio Lower Upper
172 100
171 36.1 28.9 43.3
170 23.7 18.9 28.3





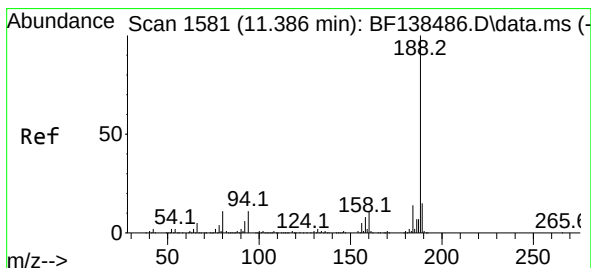
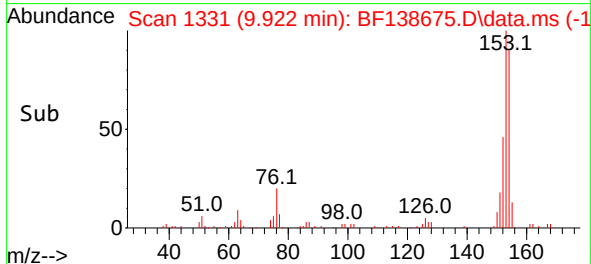
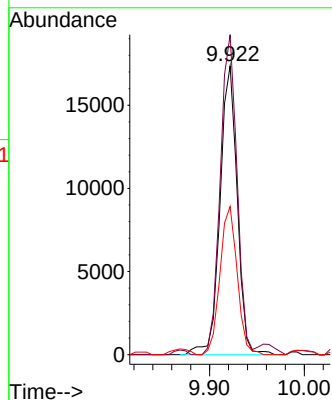
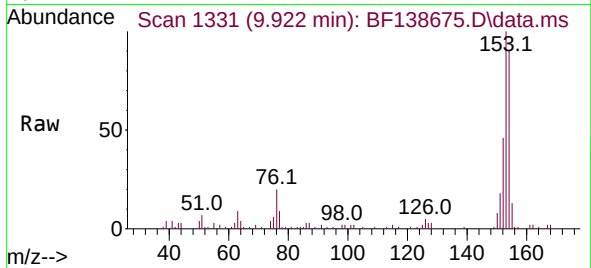
#52
Acenaphthene
Concen: 2.569 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion:154 Resp: 2193
Ion Ratio Lower Upper
154 100
153 110.8 90.4 135.6
152 51.3 41.1 61.7

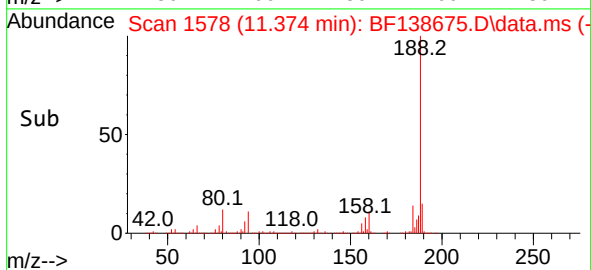
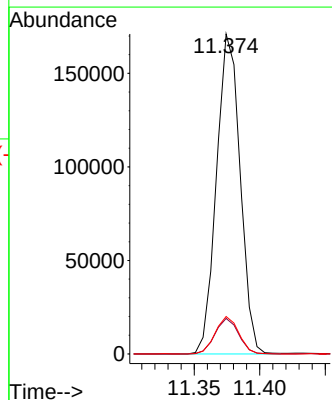
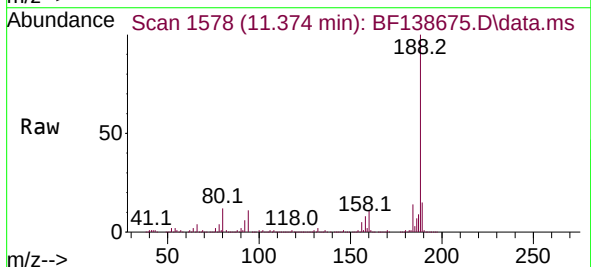
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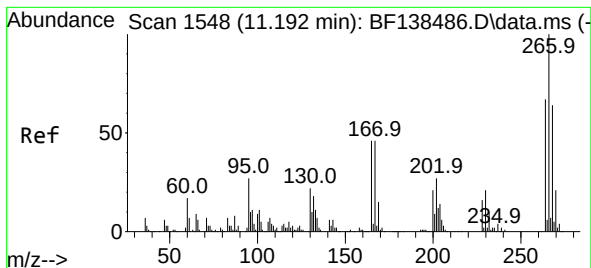
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.012 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

Tgt Ion:188 Resp: 214499
Ion Ratio Lower Upper
188 100
94 11.1 8.7 13.1
80 11.7 9.0 13.4





#70

Pentachlorophenol

Concen: 4.861 ng

RT: 11.186 min Scan# 1546

Delta R.T. -0.006 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

72-11978

Tgt Ion:266 Resp: 704

Ion Ratio Lower Upper

266 100

268 64.4 50.9 76.3

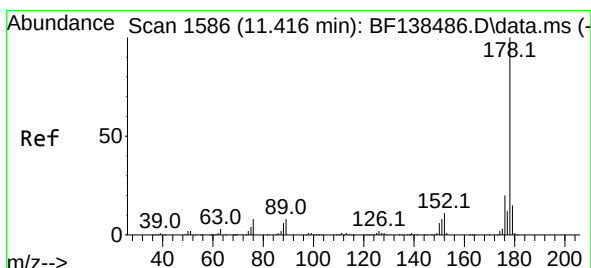
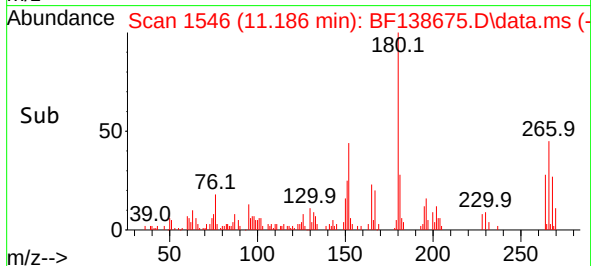
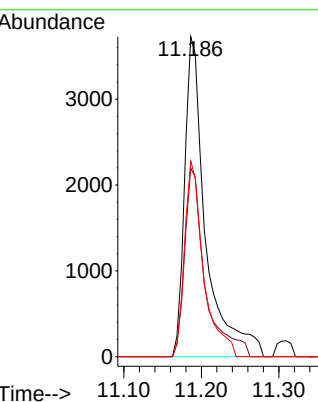
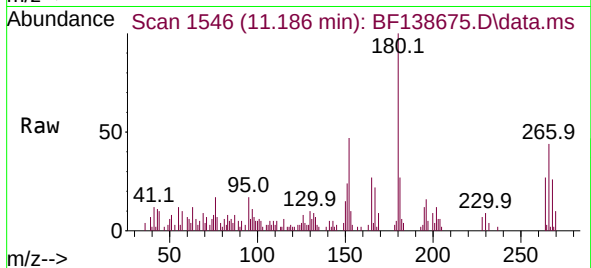
264 67.4 53.5 80.3

Manual Integrations

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Supervised By :mohammad ahmed 07/31/2024



#71

Phenanthrene

Concen: 15.828 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.018 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

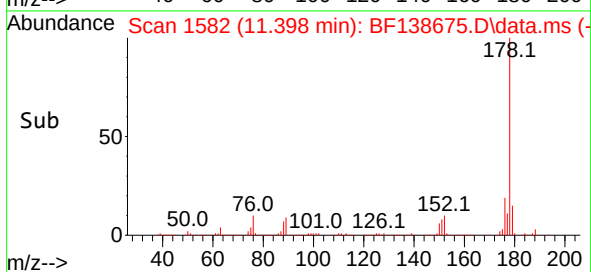
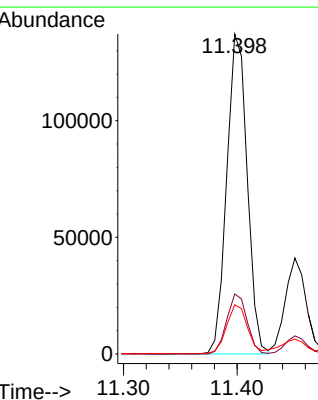
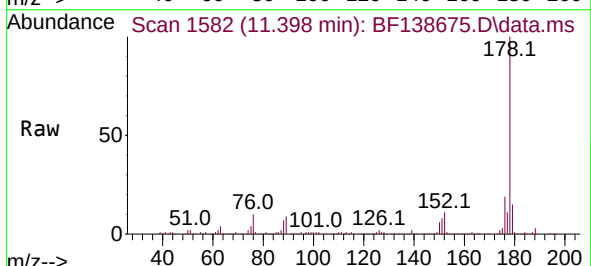
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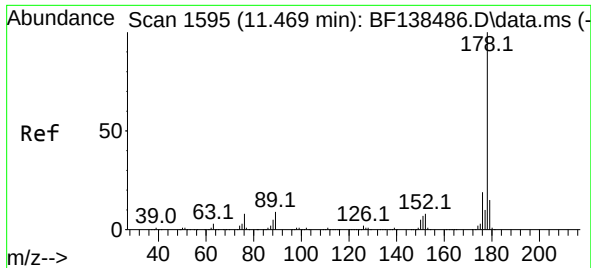
Ion Ratio Lower Upper

178 100

176 18.7 15.7 23.5

179 15.4 12.2 18.2





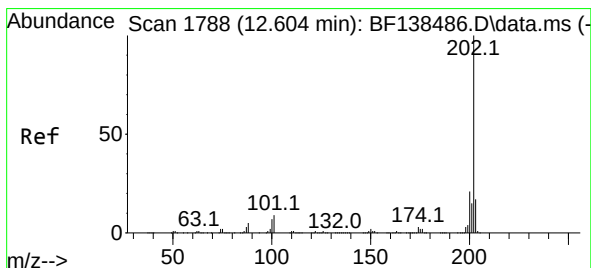
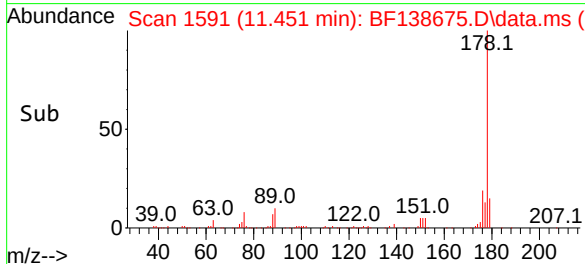
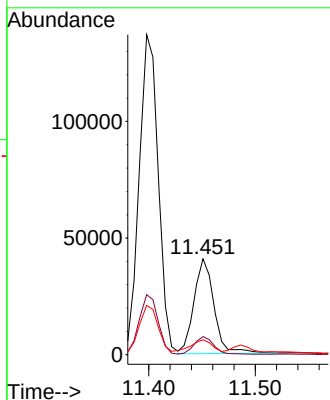
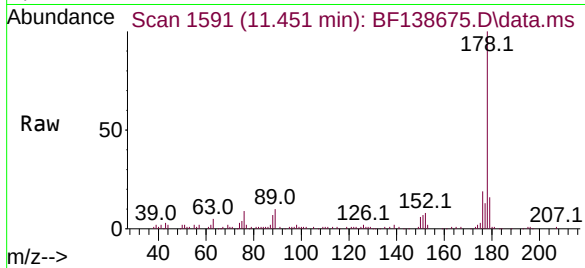
#72
 Anthracene
 Concen: 4.934 ng
 RT: 11.451 min Scan# 1197
 Delta R.T. -0.018 min
 Lab File: BF138675.D
 Acq: 29 Jul 2024 18:14

Instrument :
 BNA_F
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 72-11978

Tgt Ion:178 Resp: 53072
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.8 22.2
 179 15.5 12.2 18.4

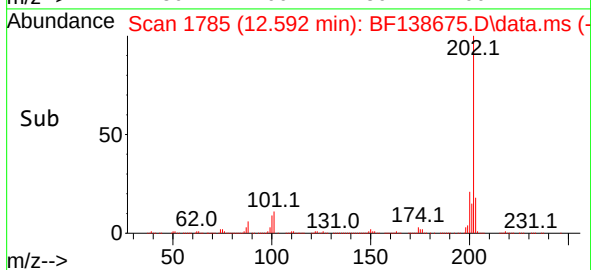
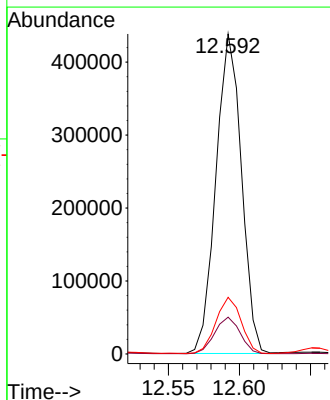
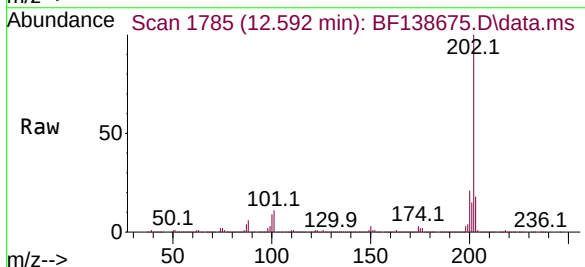
Manual Integrations
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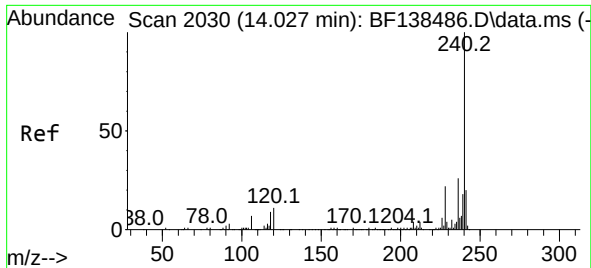
Reviewed By :Yogesh Patel 07/30/2024
 Supervised By :mohammad ahmed 07/31/2024



#75
 Fluoranthene
 Concen: 49.408 ng
 RT: 12.592 min Scan# 1785
 Delta R.T. -0.012 min
 Lab File: BF138675.D
 Acq: 29 Jul 2024 18:14

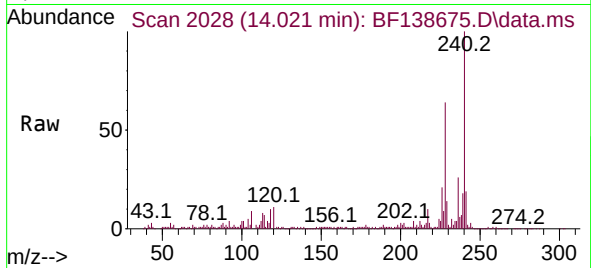
Tgt Ion:202 Resp: 546332
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 29.2
 203 17.7 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

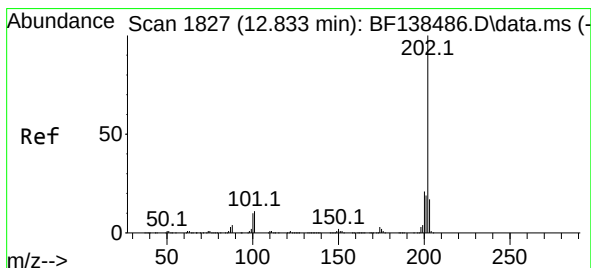
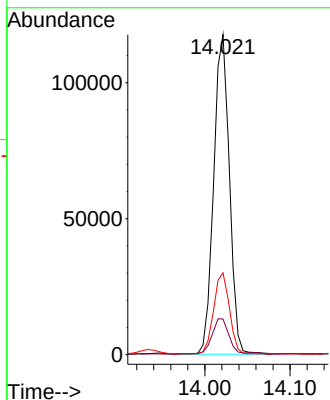
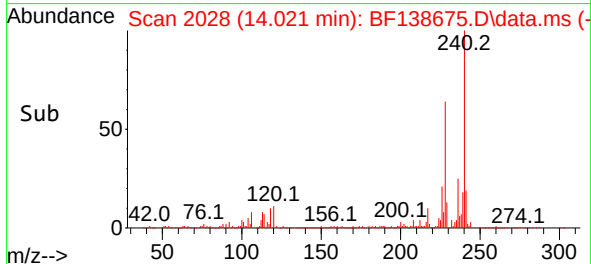
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion:240 Resp: 150624
Ion Ratio Lower Upper
240 100
120 11.1 8.6 12.8
236 25.6 21.0 31.6

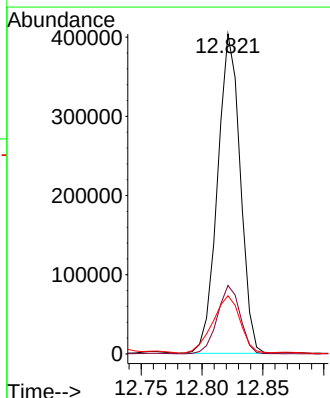
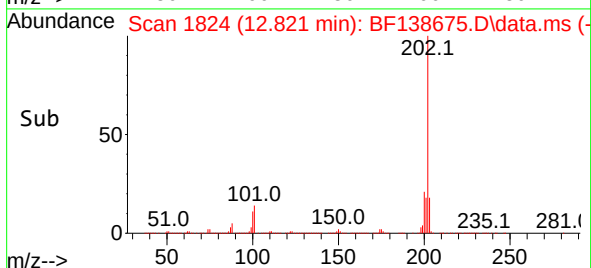
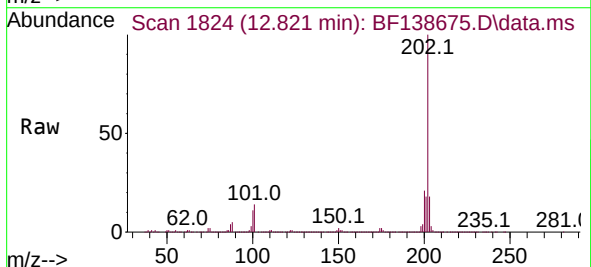
Manual Integrations
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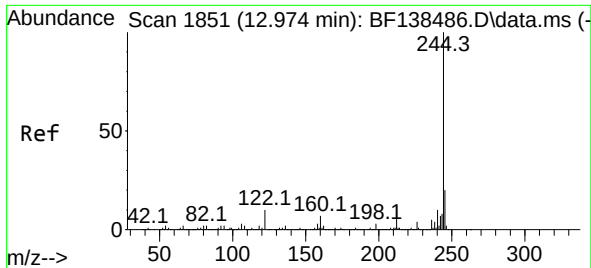
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#78
Pyrene
Concen: 34.236 ng
RT: 12.821 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

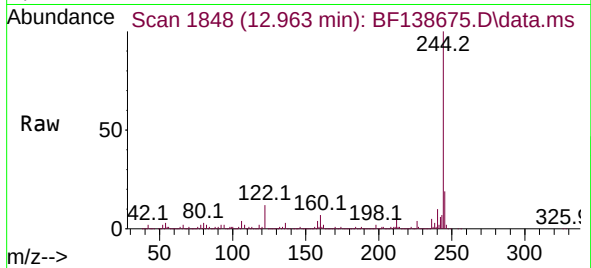
Tgt Ion:202 Resp: 523474
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 18.2 13.7 20.5





#79
Terphenyl-d14
Concen: 81.684 ng
RT: 12.963 min Scan# 1848
Delta R.T. -0.012 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

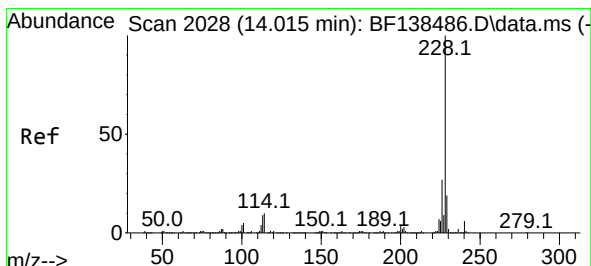
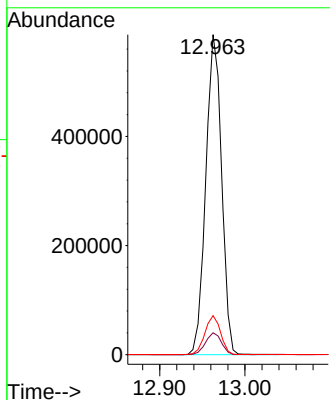
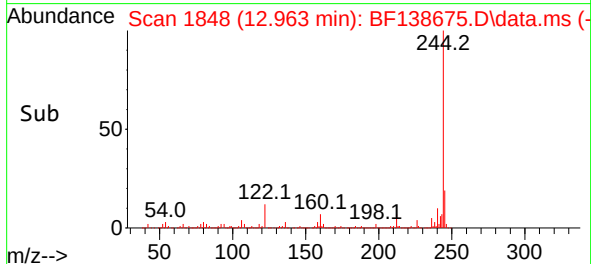
Instrument :
BNA_F
ClientSampleId :
72-11978



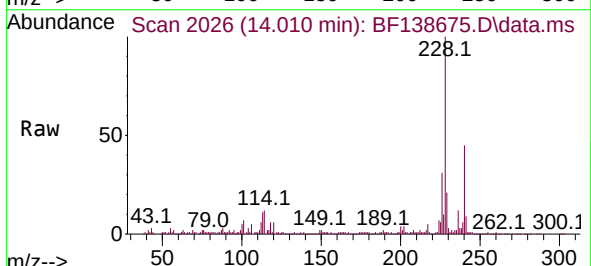
Tgt Ion:244 Resp: 755228
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 12.2 7.8 11.8

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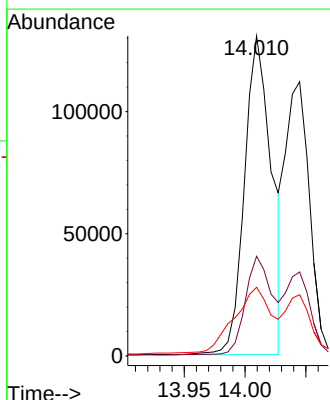
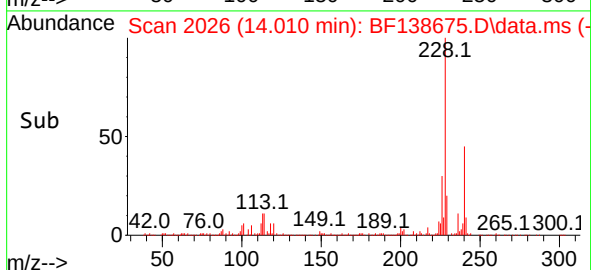
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024

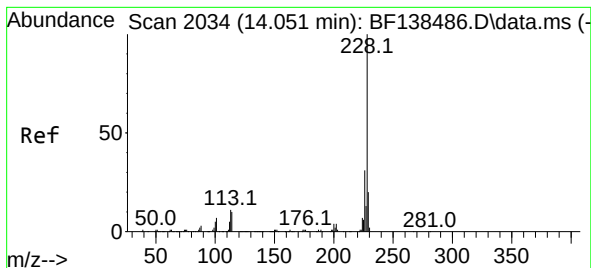


#81
Benzo(a)anthracene
Concen: 19.983 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14



Tgt Ion:228 Resp: 201963
Ion Ratio Lower Upper
228 100
226 31.1 21.9 32.9
229 21.4 15.5 23.3





#83

Chrysene

Concen: 15.973 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

72-11978

Tgt Ion:228 Resp: 152719

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

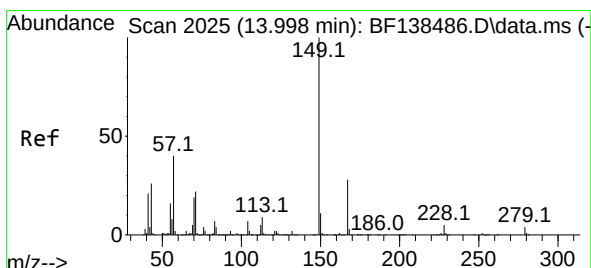
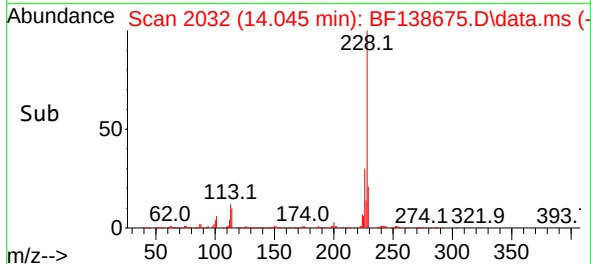
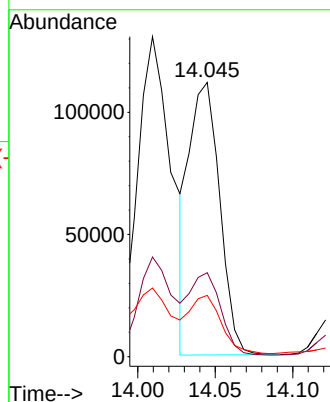
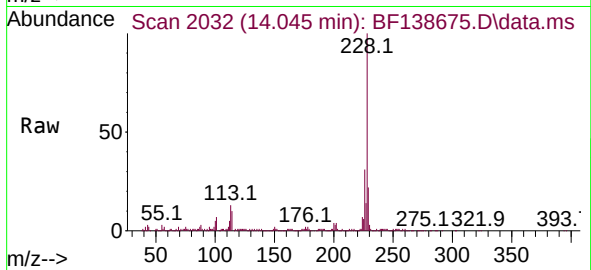
229 22.4 16.0 24.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/30/2024

Supervised By :mohammad ahmed 07/31/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.928 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

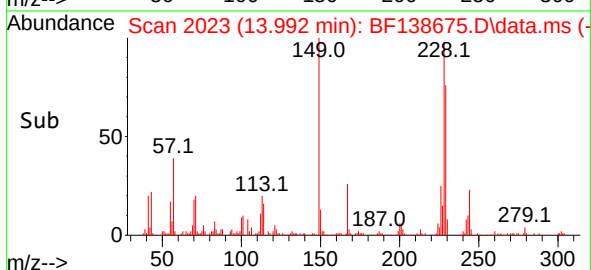
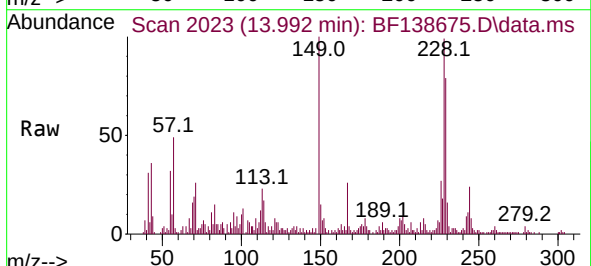
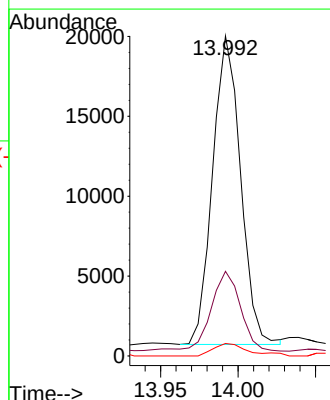
Tgt Ion:149 Resp: 24175

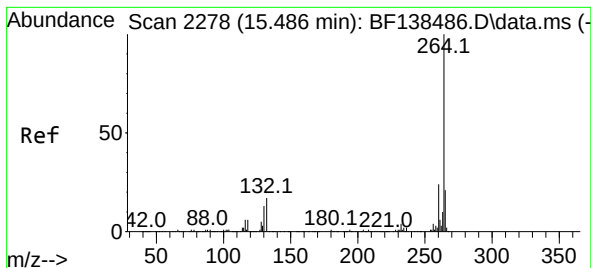
Ion Ratio Lower Upper

149 100

167 26.4 22.5 33.7

279 3.9 3.0 4.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

72-11978

Tgt Ion:264 Resp: 112419

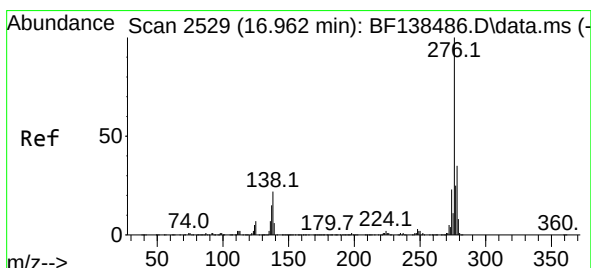
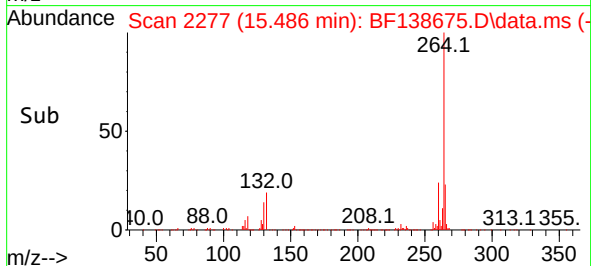
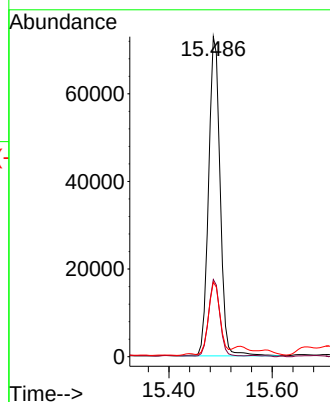
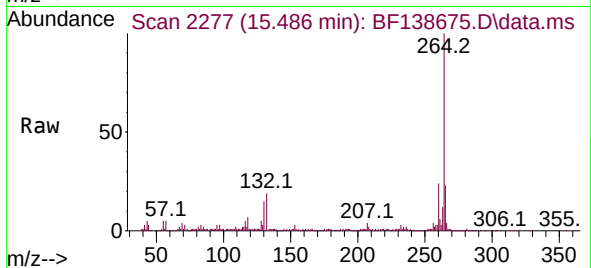
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.6
265	23.3	17.0	25.4

Manual Integrations

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Reviewed By :Yogesh Patel 07/30/2024

Supervised By :mohammad ahmed 07/31/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.536 ng

RT: 16.956 min Scan# 2527

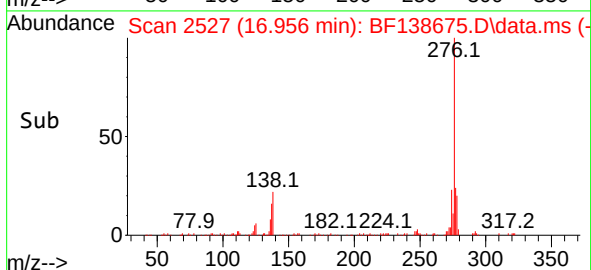
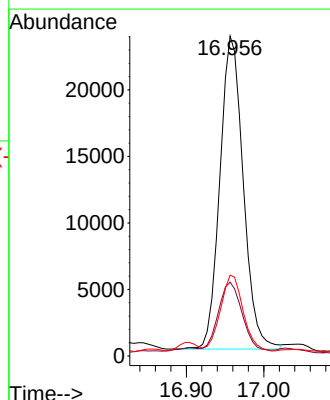
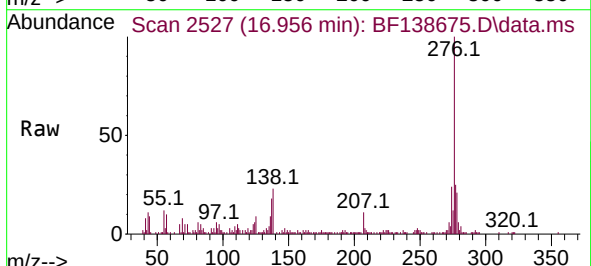
Delta R.T. -0.006 min

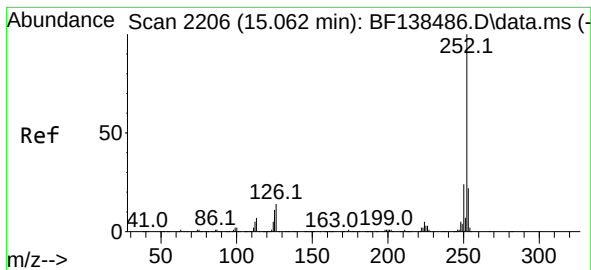
Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

Tgt Ion:276 Resp: 49358

Ion	Ratio	Lower	Upper
276	100		
138	22.8	19.6	29.4
277	23.4	20.5	30.7





#88

Benzo(b)fluoranthene

Concen: 24.932 ng m

RT: 15.062 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

72-11978

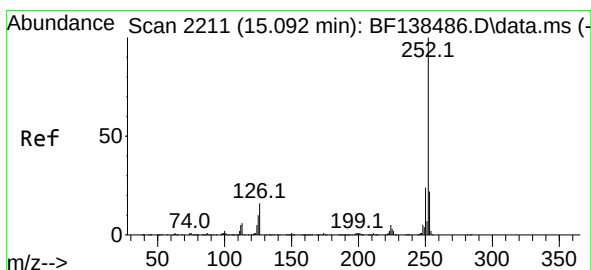
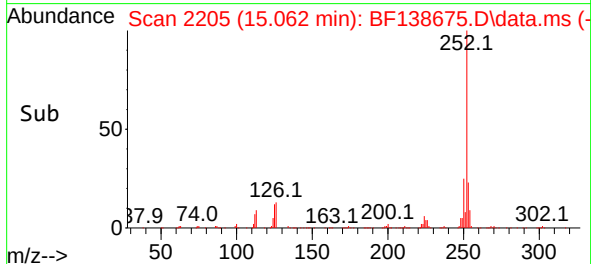
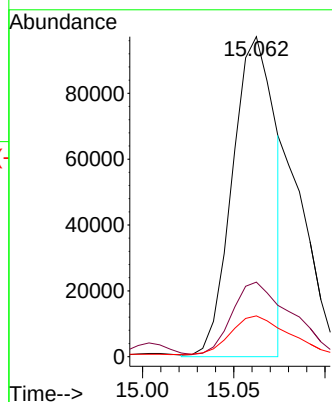
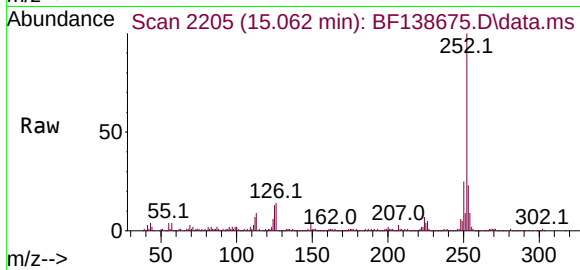
Tgt Ion:252 Resp: 15784
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 12.8 8.6 13.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/30/2024

Supervised By :mohammad ahmed 07/31/2024



#89

Benzo(k)fluoranthene

Concen: 9.871 ng m

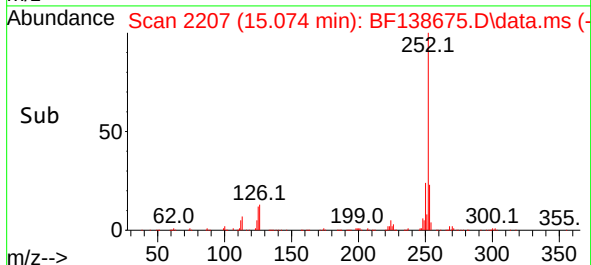
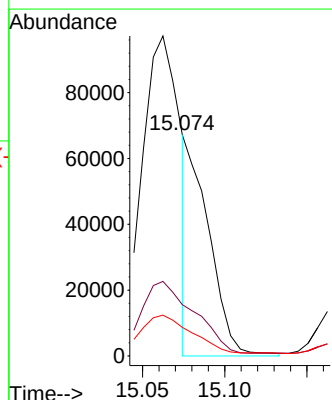
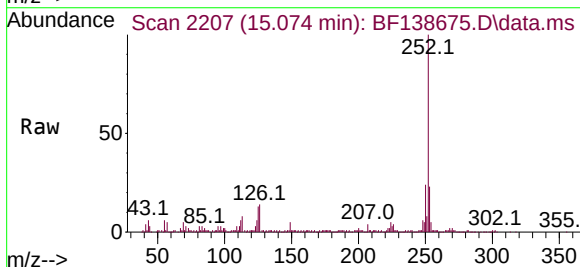
RT: 15.074 min Scan# 2207

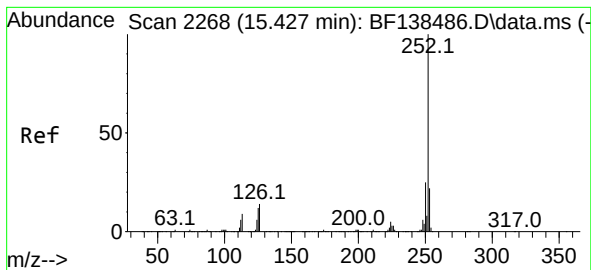
Delta R.T. -0.018 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

Tgt Ion:252 Resp: 60952
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 12.9 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 14.625 ng

RT: 15.427 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

72-11978

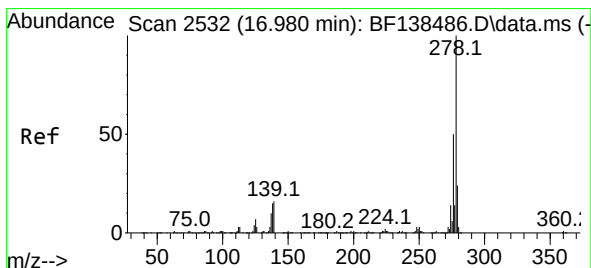
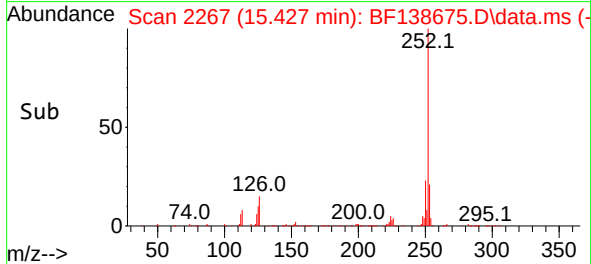
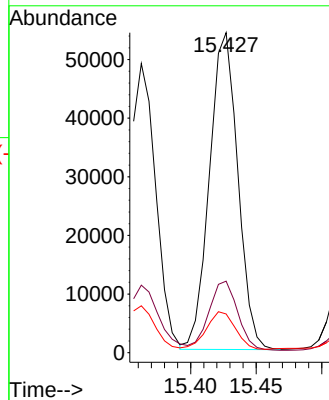
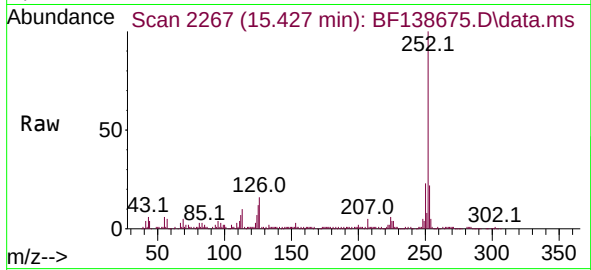
Tgt Ion:	252	Resp:	81340
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.0
125	12.1	9.4	14.2

Manual Integrations

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Reviewed By :Yogesh Patel 07/30/2024

Supervised By :mohammad ahmed 07/31/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.090 ng

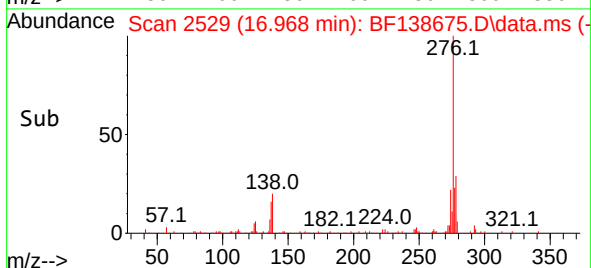
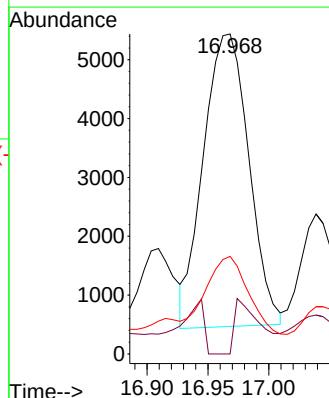
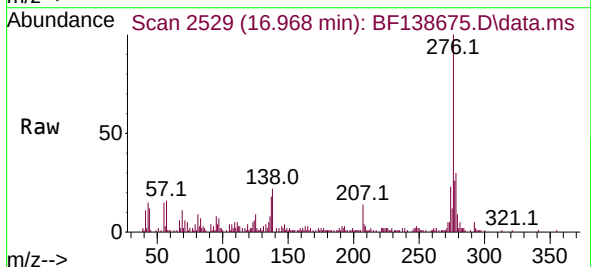
RT: 16.968 min Scan# 2529

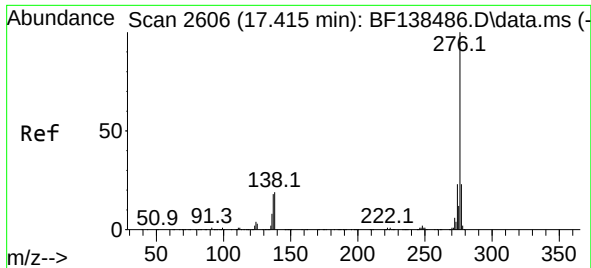
Delta R.T. -0.012 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

Tgt Ion:	278	Resp:	12912
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.8	19.2#
279	30.5	19.1	28.7#





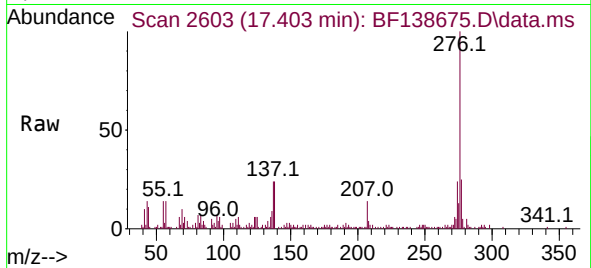
#92
 Benzo(g,h,i)perylene
 Concen: 7.177 ng
 RT: 17.403 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF138675.D
 Acq: 29 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

72-11978



Tgt Ion:276 Resp: 4700
 Ion Ratio Lower Upper
 276 100
 277 25.4 18.0 27.0
 138 23.8 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/30/2024

Supervised By :mohammad ahmed 07/31/2024

