

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
 Data File : BF134476.D
 Acq On : 25 Jul 2023 22:27
 Operator : CG\JU
 Sample : 03625-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200018

Manual Integrations
 APPROVED

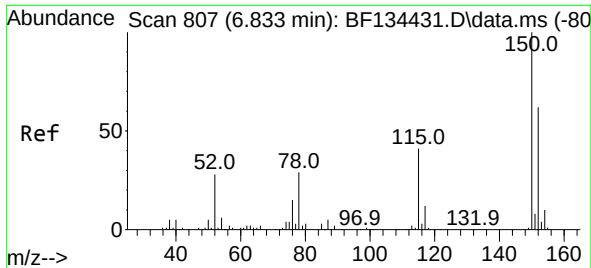
Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023

Quant Time: Jul 26 02:08:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	149935	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	540809	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	222337	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	335304	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	116299	20.000	ng	0.00
86) Perylene-d12	15.527	264	91505	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	808209	89.060	ng	0.00
7) Phenol-d6	6.481	99	963048	86.616	ng	0.00
23) Nitrobenzene-d5	7.398	82	604572	56.560	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	198869	62.953	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1064580	62.858	ng	0.00
79) Terphenyl-d14	12.957	244	505965	75.946	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	157249	8.976	ng	99
72) Anthracene	11.439	178	42815	2.368	ng	97
75) Fluoranthene	12.586	202	133582	6.543	ng	98
78) Pyrene	12.816	202	122574	13.255	ng	99
80) Butylbenzylphthalate	13.433	149	119447	32.247	ng	98
81) Benzo(a)anthracene	14.015	228	53369	6.577	ng	97
83) Chrysene	14.051	228	48238	6.216	ng	95
84) Bis(2-ethylhexyl)phtha...	13.998	149	14089	3.131	ng	# 97
87) Indeno(1,2,3-cd)pyrene	17.080	276	22735	3.803	ng	# 94
88) Benzo(b)fluoranthene	15.086	252	54488m	9.518	ng	
89) Benzo(k)fluoranthene	15.110	252	18681m	3.318	ng	
90) Benzo(a)pyrene	15.462	252	34144	6.453	ng	# 94
92) Benzo(g,h,i)perylene	17.545	276	21567	4.351	ng	96

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



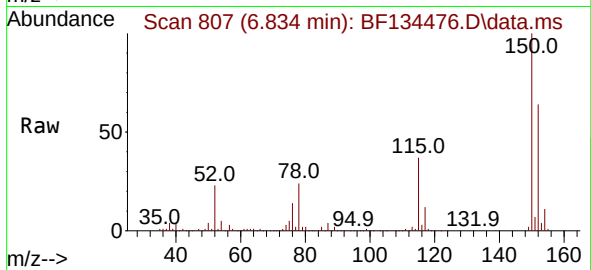
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. 0.001 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

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BNA_F

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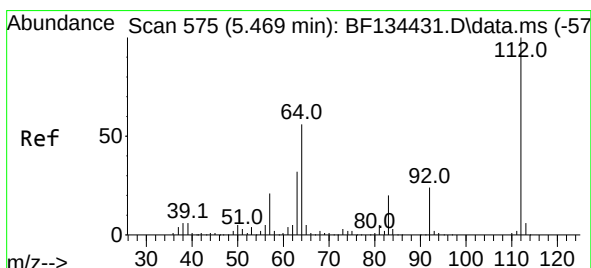
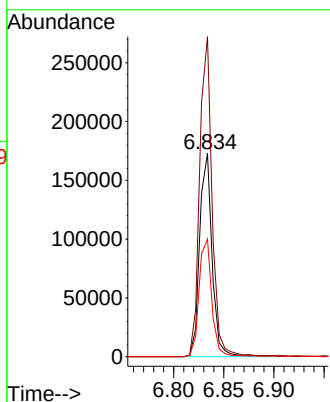
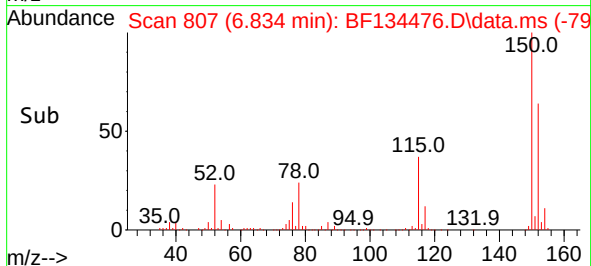


Tgt Ion:152 Resp: 149938
Ion Ratio Lower Upper
152 100
150 157.4 128.3 192.5
115 57.9 52.4 78.6

Manual Integrations

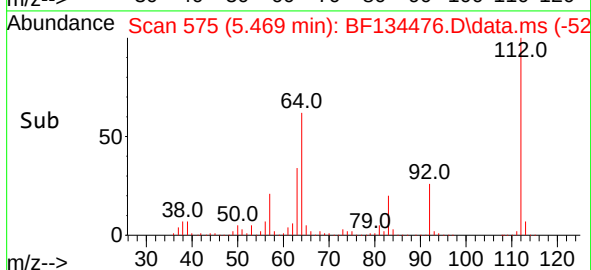
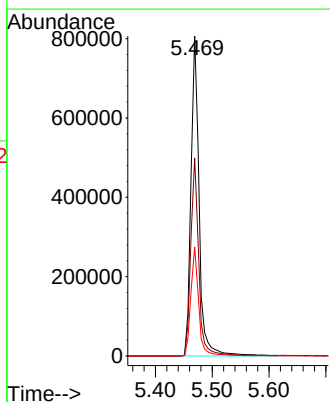
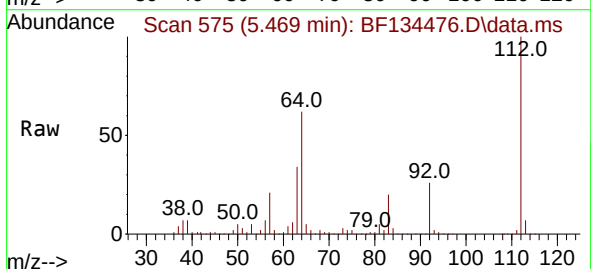
APPROVED

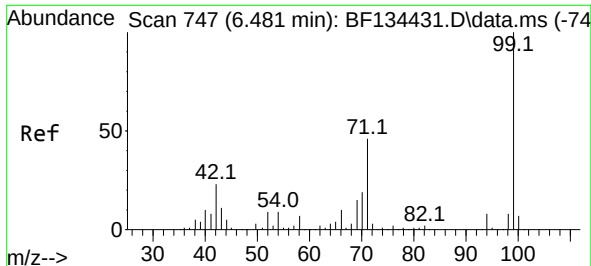
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#5
2-Fluorophenol
Concen: 89.060 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

Tgt Ion:112 Resp: 808209
Ion Ratio Lower Upper
112 100
64 61.9 44.9 67.3
63 34.0 25.4 38.0





#7

Phenol-d6

Concen: 86.616 ng

RT: 6.481 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF134476.D

Acq: 25 Jul 2023 22:27

Instrument :

BNA_F

ClientSampleId :

RBR200018

Tgt Ion: 99 Resp: 96304

Ion Ratio Lower Upper

99 100

42 21.4 18.7 28.1

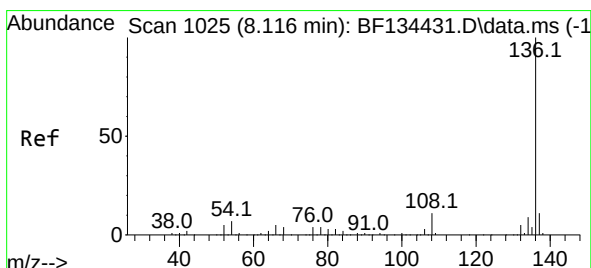
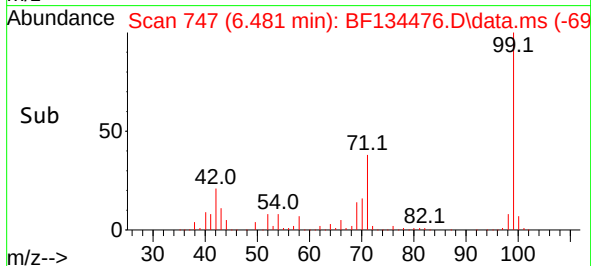
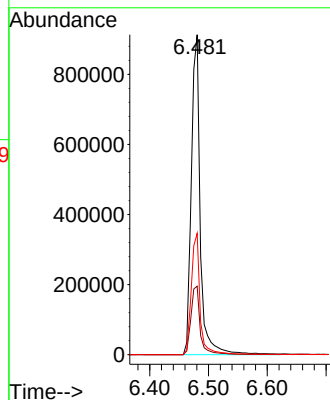
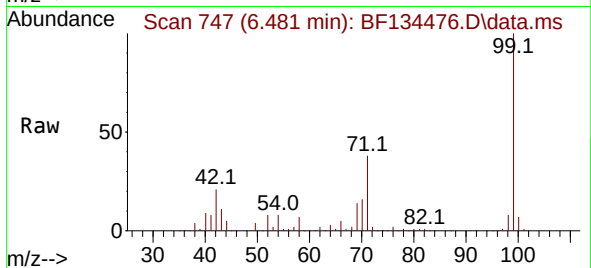
71 37.9 36.4 54.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1024

Delta R.T. -0.006 min

Lab File: BF134476.D

Acq: 25 Jul 2023 22:27

Tgt Ion:136 Resp: 540809

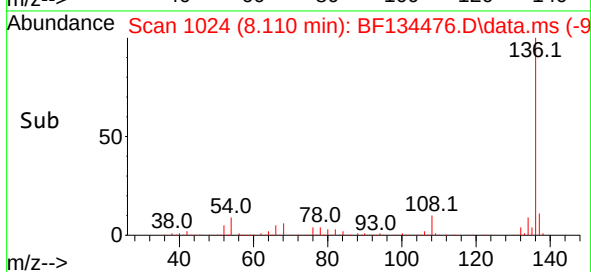
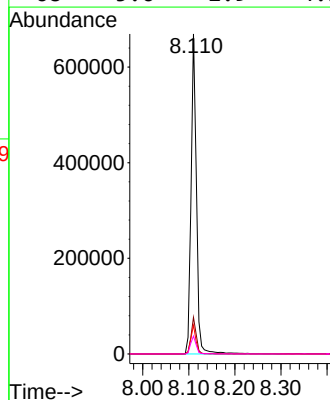
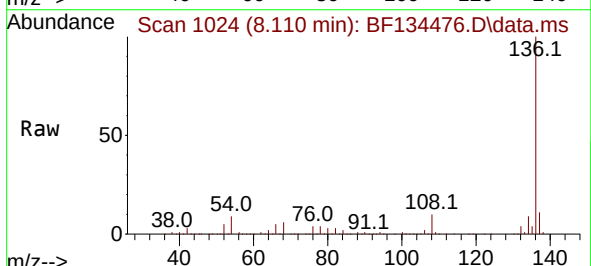
Ion Ratio Lower Upper

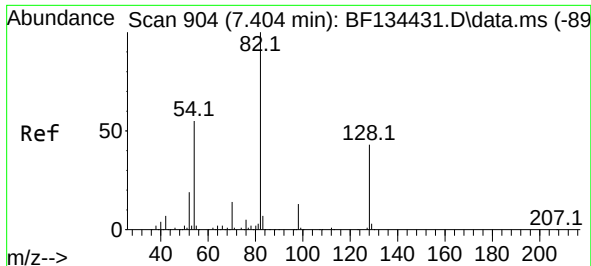
136 100

137 11.4 8.4 12.6

54 9.0 5.2 7.8#

68 5.6 2.9 4.3#





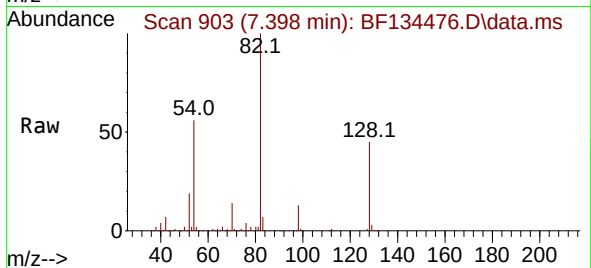
#23
Nitrobenzene-d5
Concen: 56.560 ng
RT: 7.398 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

Instrument :

BNA_F

ClientSampleId :

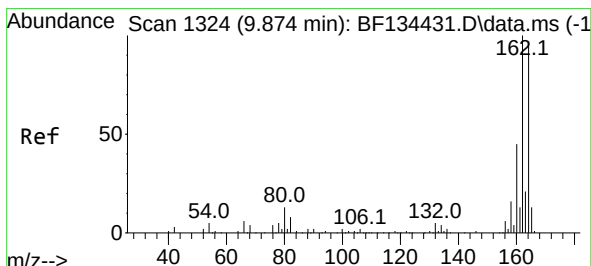
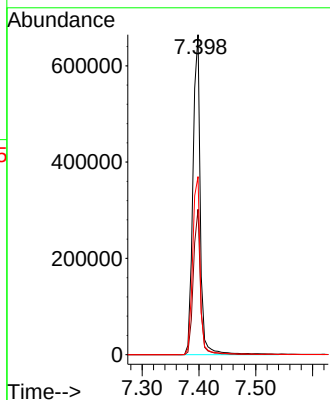
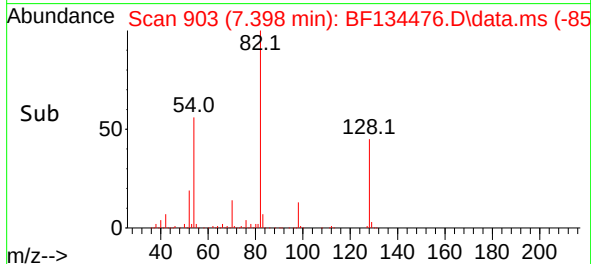
RBR200018



Tgt Ion: 82 Resp: 604572
Ion Ratio Lower Upper
82 100
128 45.5 34.3 51.5
54 55.7 43.8 65.6

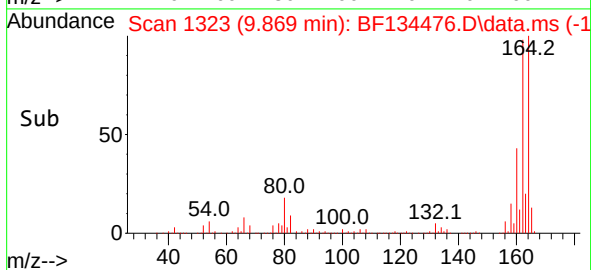
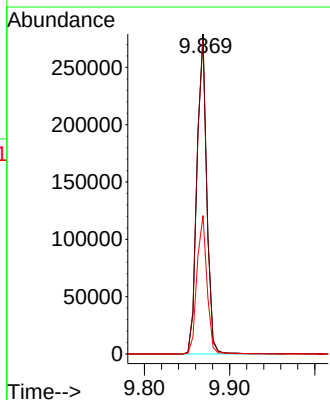
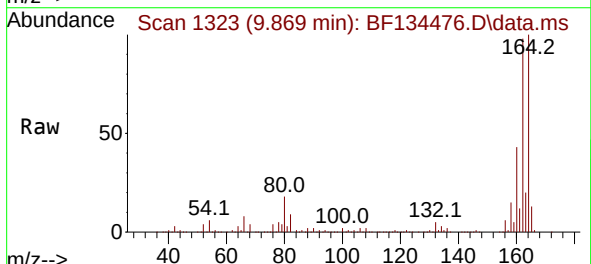
Manual Integrations
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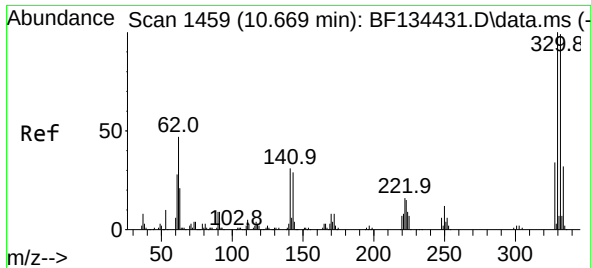
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

Tgt Ion:164 Resp: 222337
Ion Ratio Lower Upper
164 100
162 98.1 82.6 123.8
160 43.3 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 62.953 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

Instrument :

BNA_F

ClientSampleId :

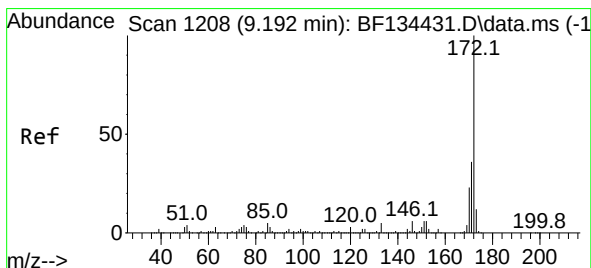
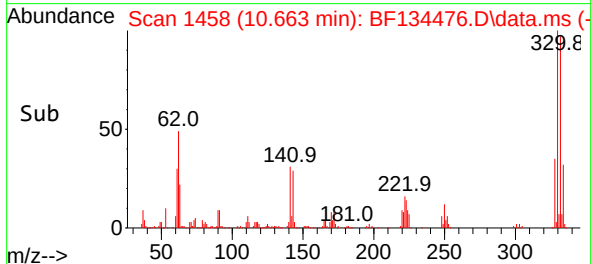
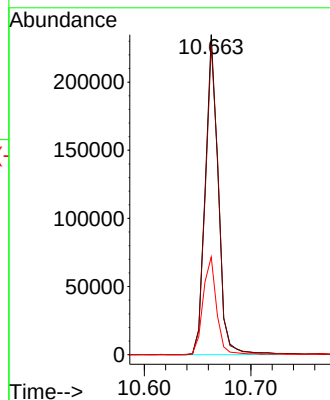
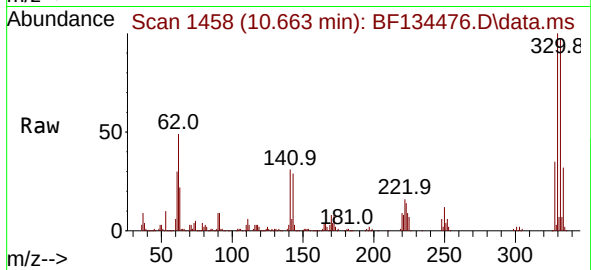
RBR200018

Tgt Ion:330 Resp: 198869
Ion Ratio Lower Upper
330 100
332 98.9 78.8 118.2
141 32.3 25.4 38.2

Manual Integrations

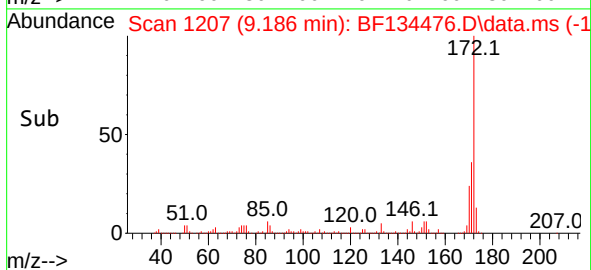
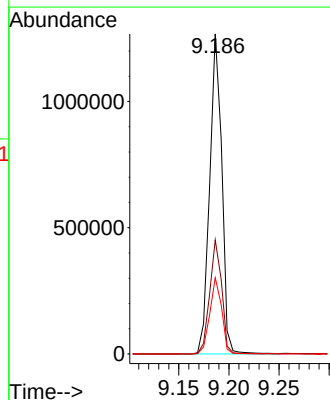
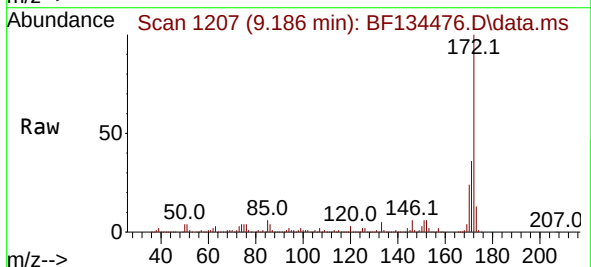
APPROVED

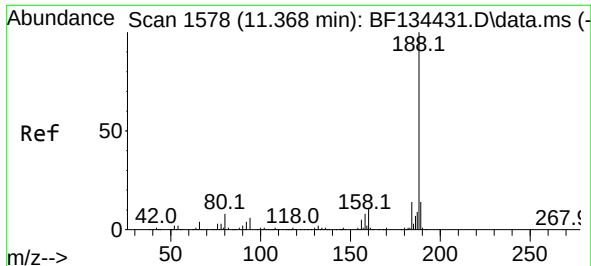
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#45
2-Fluorobiphenyl
Concen: 62.858 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

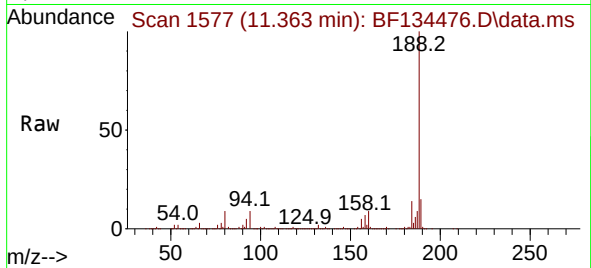
Tgt Ion:172 Resp: 1064580
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.8 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

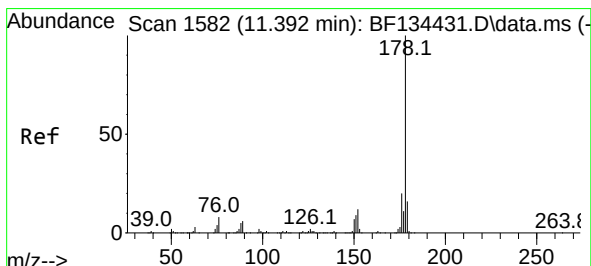
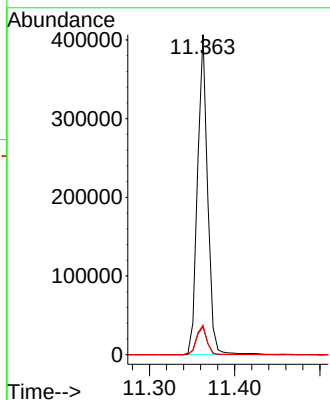
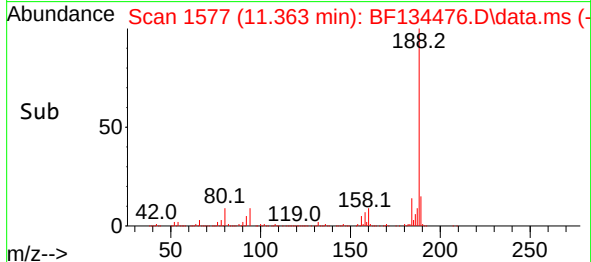
Instrument :
BNA_F
ClientSampleId :
RBR200018



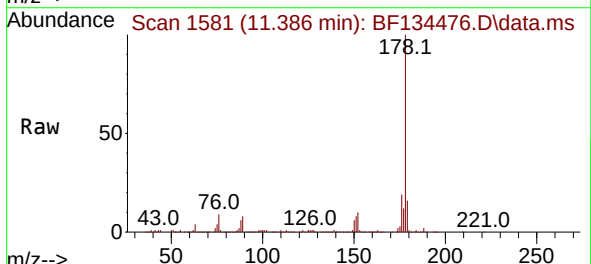
Tgt Ion:188 Resp: 335304
Ion Ratio Lower Upper
188 100
94 8.7 5.1 7.7
80 9.2 6.6 9.8

Manual Integrations
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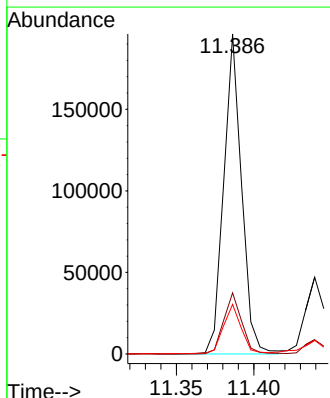
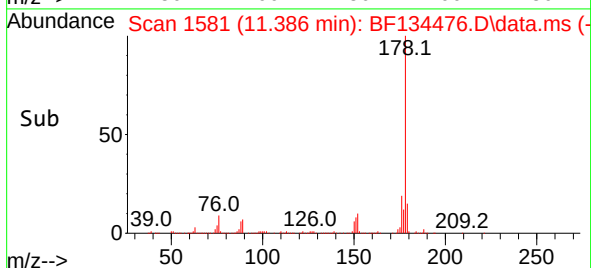
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023

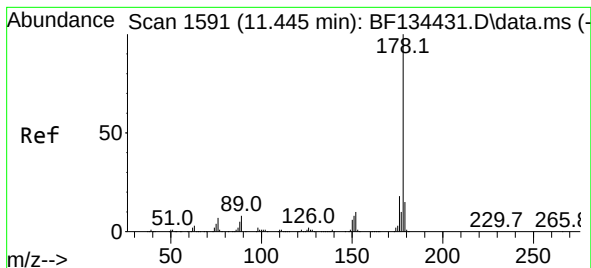


#71
Phenanthrene
Concen: 8.976 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27



Tgt Ion:178 Resp: 157249
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.5 12.7 19.1





#72

Anthracene

Concen: 2.368 ng

RT: 11.439 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134476.D

Acq: 25 Jul 2023 22:27

Instrument :

BNA_F

ClientSampleId :

RBR200018

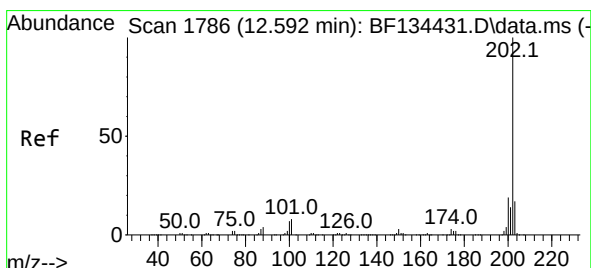
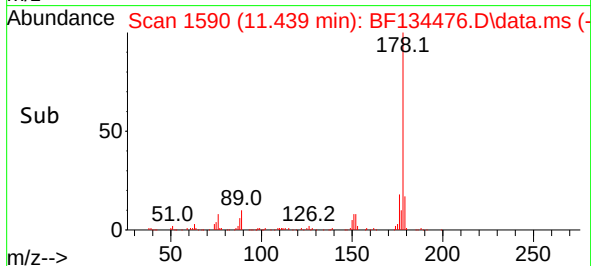
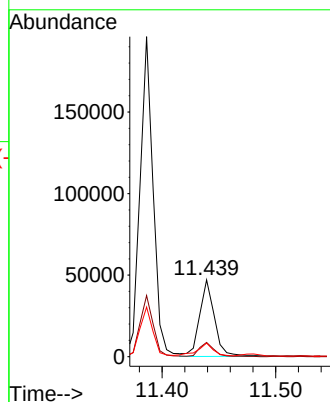
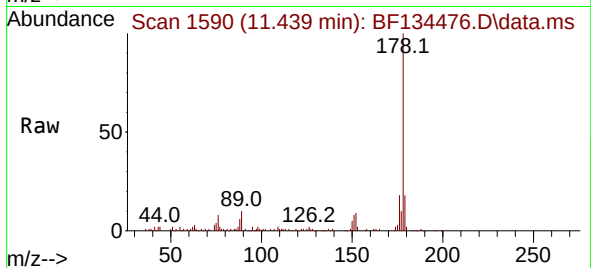
Tgt Ion:178 Resp: 42815
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.6 21.8
 179 17.7 12.3 18.5

Manual Integrations

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Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#75

Fluoranthene

Concen: 6.543 ng

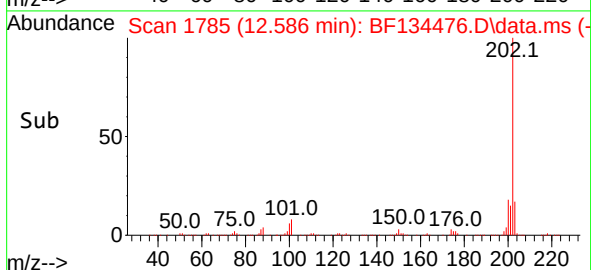
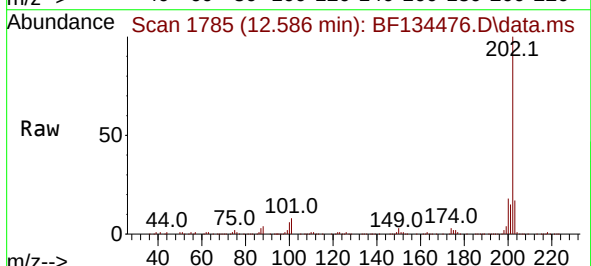
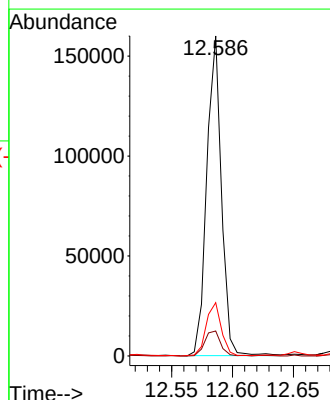
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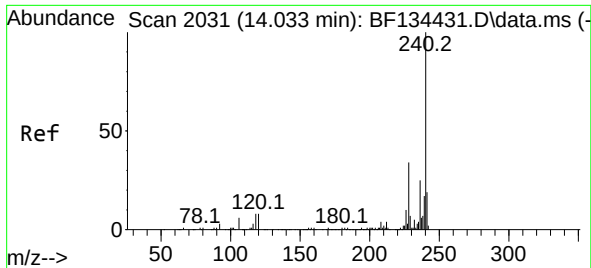
Delta R.T. -0.006 min

Lab File: BF134476.D

Acq: 25 Jul 2023 22:27

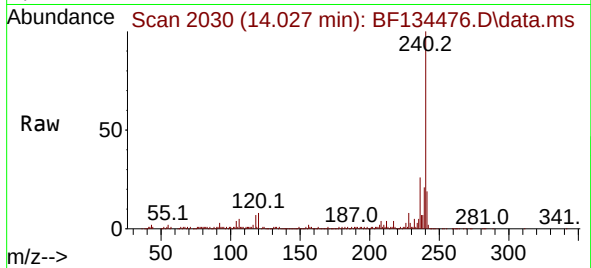
Tgt Ion:202 Resp: 133582
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 28.5
 203 16.6 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

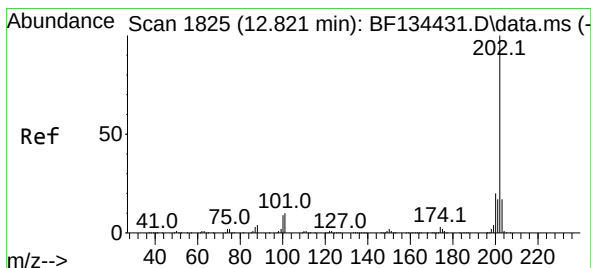
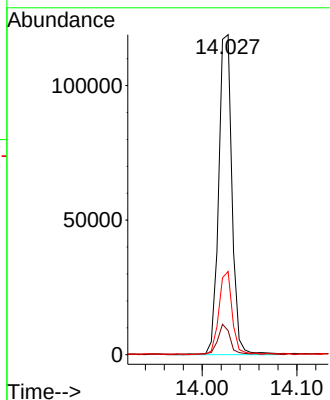
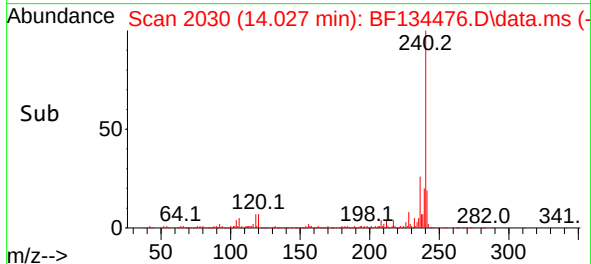
Instrument :
BNA_F
ClientSampleId :
RBR200018



Tgt Ion:240 Resp: 116295
Ion Ratio Lower Upper
240 100
120 7.5 6.6 10.0
236 26.0 20.2 30.2

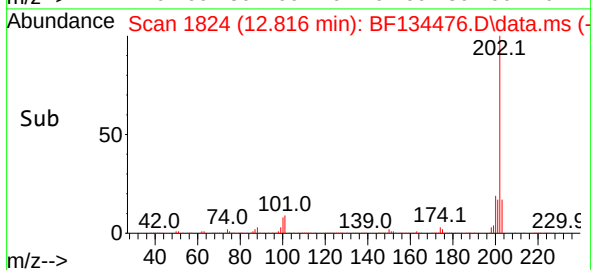
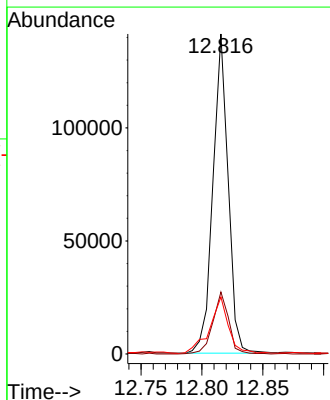
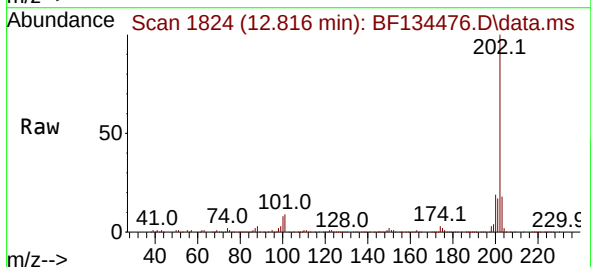
Manual Integrations
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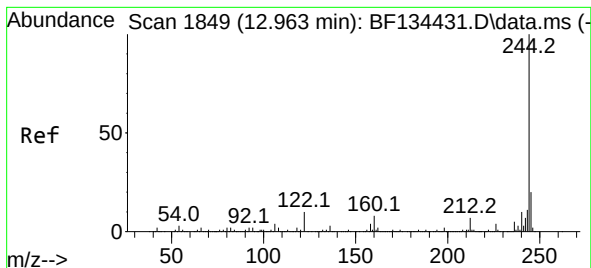
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#78
Pyrene
Concen: 13.255 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

Tgt Ion:202 Resp: 122574
Ion Ratio Lower Upper
202 100
200 19.4 15.8 23.8
203 17.8 13.5 20.3





#79

Terphenyl-d14

Concen: 75.946 ng

RT: 12.957 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134476.D

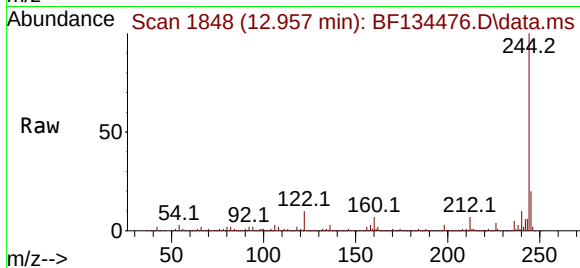
Acq: 25 Jul 2023 22:27

Instrument :

BNA_F

ClientSampleId :

RBR200018



Tgt Ion:244 Resp: 50596

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

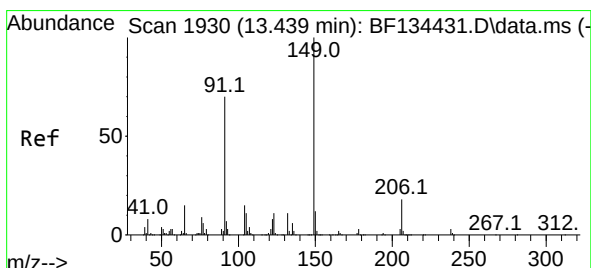
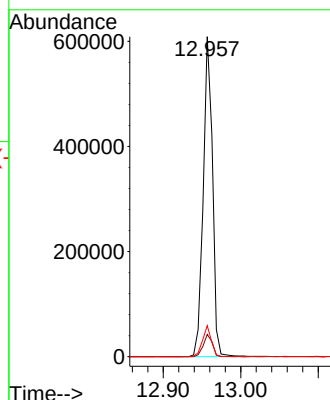
122 9.7 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#80

Butylbenzylphthalate

Concen: 32.247 ng

RT: 13.433 min Scan# 1929

Delta R.T. -0.006 min

Lab File: BF134476.D

Acq: 25 Jul 2023 22:27

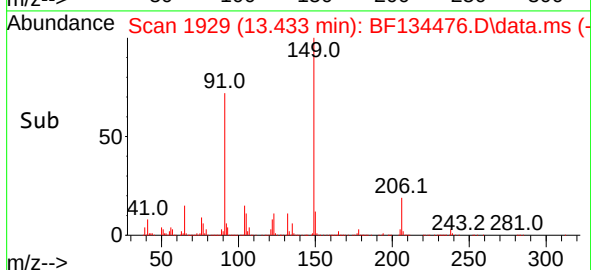
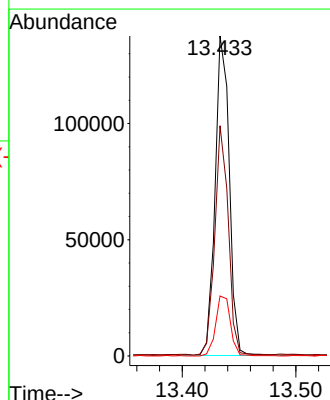
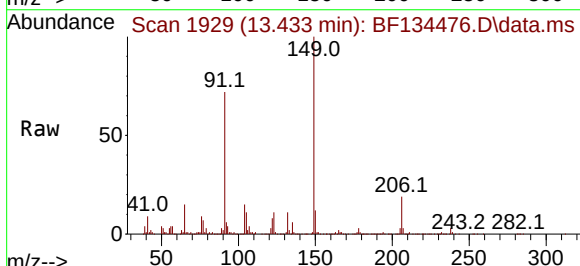
Tgt Ion:149 Resp: 119447

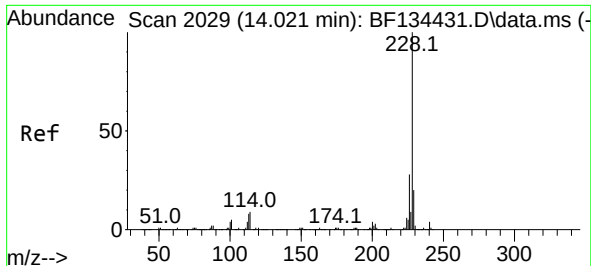
Ion Ratio Lower Upper

149 100

91 71.9 55.8 83.6

206 18.8 14.6 21.8





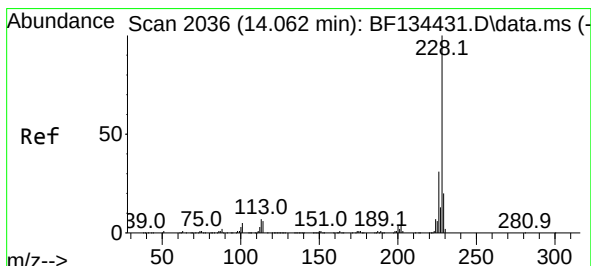
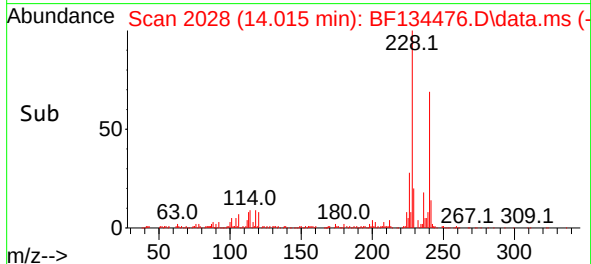
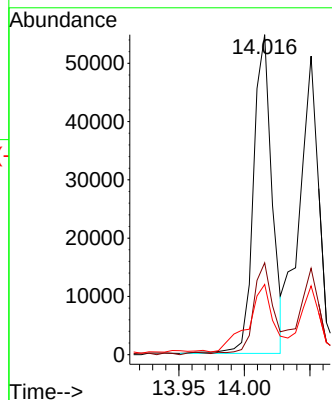
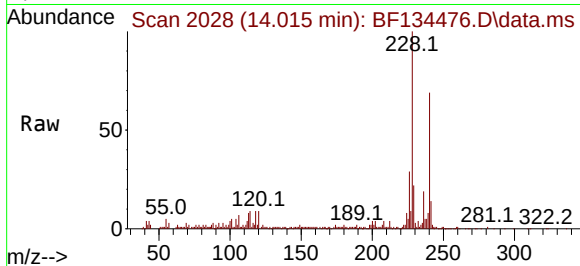
#81
Benzo(a)anthracene
Concen: 6.577 ng
RT: 14.015 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

Instrument :
BNA_F
ClientSampleId :
RBR200018

Tgt Ion:228 Resp: 53369
Ion Ratio Lower Upper
228 100
226 28.7 22.3 33.5
229 21.9 15.8 23.6

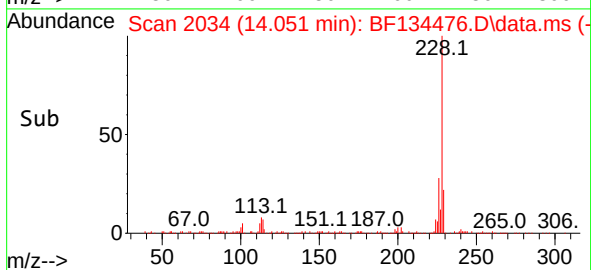
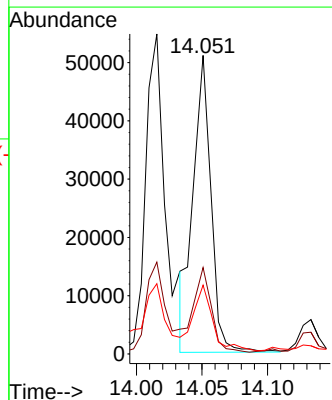
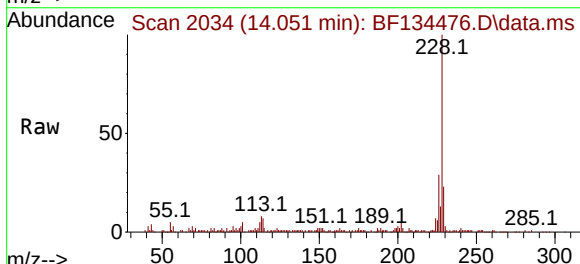
Manual Integrations
APPROVED

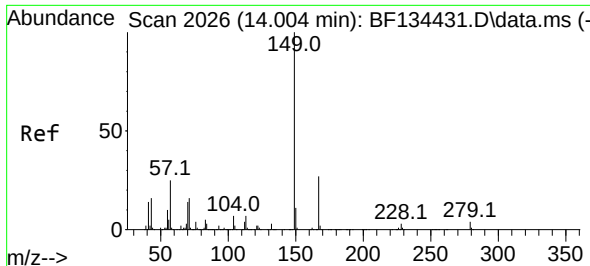
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#83
Chrysene
Concen: 6.216 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

Tgt Ion:228 Resp: 48238
Ion Ratio Lower Upper
228 100
226 28.9 24.5 36.7
229 23.0 15.8 23.8





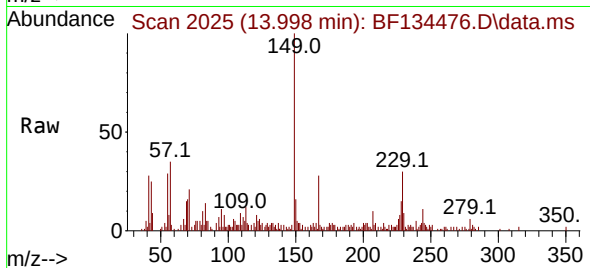
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.131 ng
RT: 13.998 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

Instrument :

BNA_F

ClientSampleId :

RBR200018



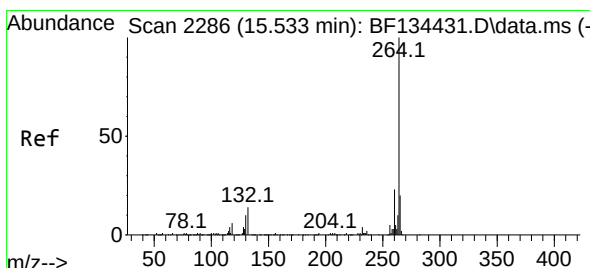
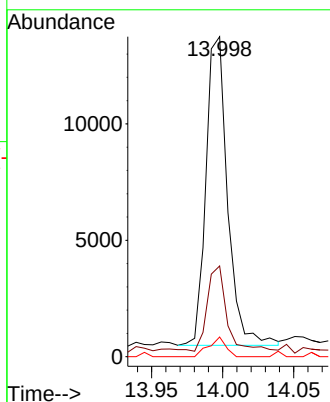
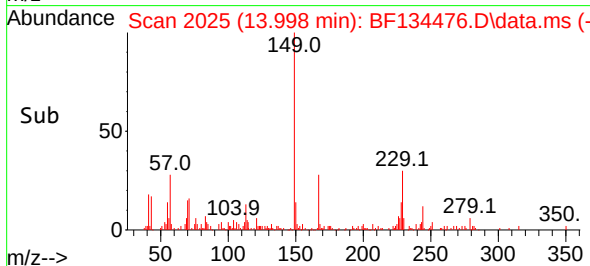
Tgt Ion:149 Resp: 14089
Ion Ratio Lower Upper
149 100
167 28.3 21.6 32.4
279 6.2 3.5 5.3

Manual Integrations

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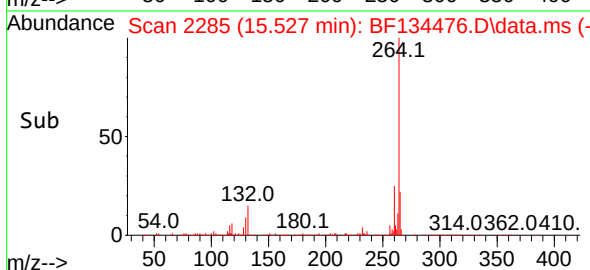
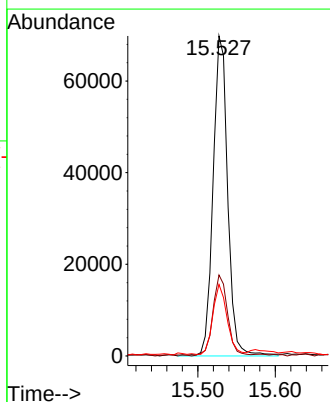
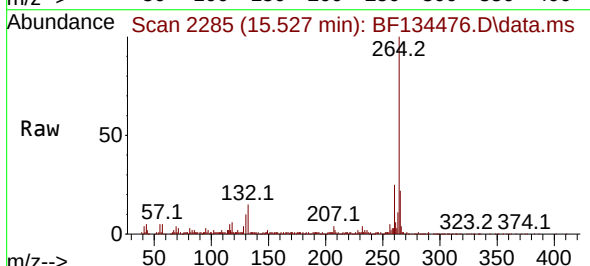
Reviewed By :Yogesh Patel 07/26/2023

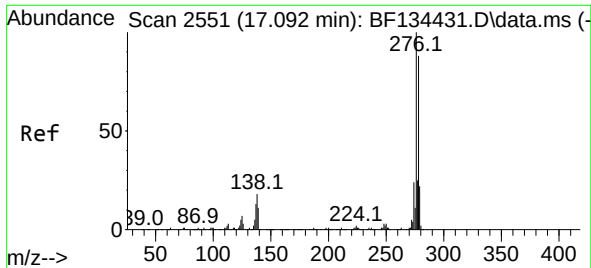
Supervised By :mohammad ahmed 07/26/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

Tgt Ion:264 Resp: 91505
Ion Ratio Lower Upper
264 100
260 25.3 18.4 27.6
265 22.4 15.8 23.8





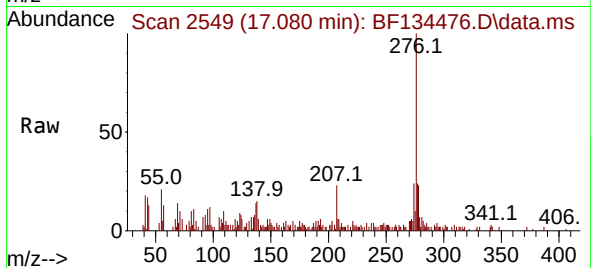
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.803 ng
RT: 17.080 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

Instrument :

BNA_F

ClientSampleId :

RBR200018



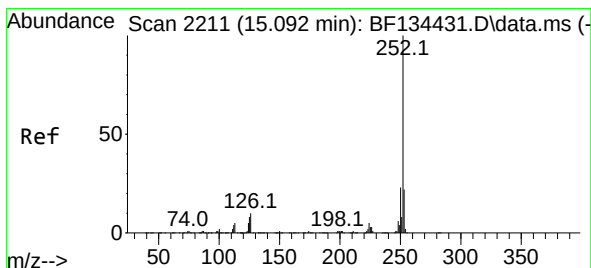
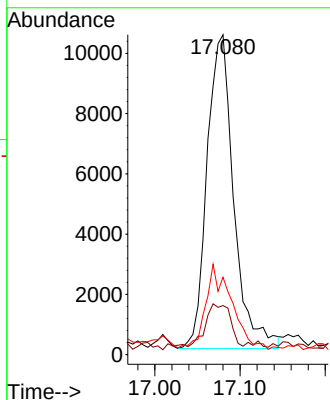
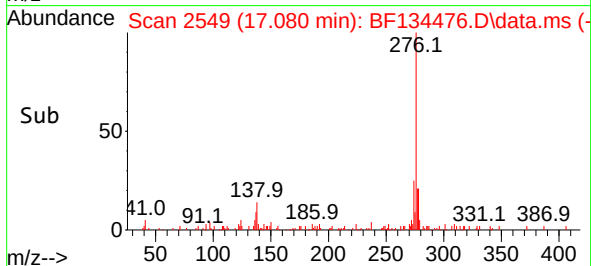
Tgt Ion:276 Resp: 22735
Ion Ratio Lower Upper
276 100
138 12.3 14.2 21.4
277 25.2 19.9 29.9

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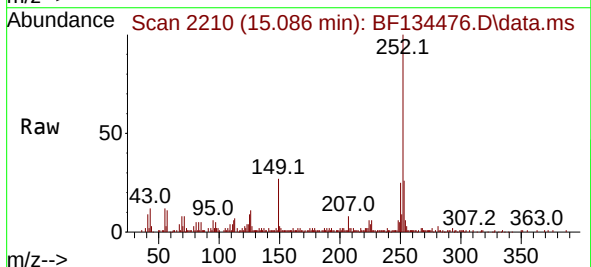
APPROVED

Reviewed By :Yogesh Patel 07/26/2023

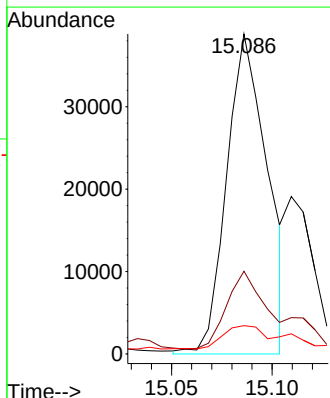
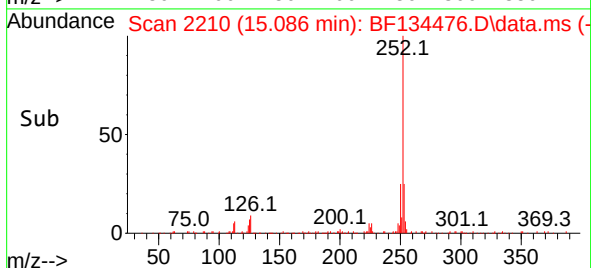
Supervised By :mohammad ahmed 07/26/2023

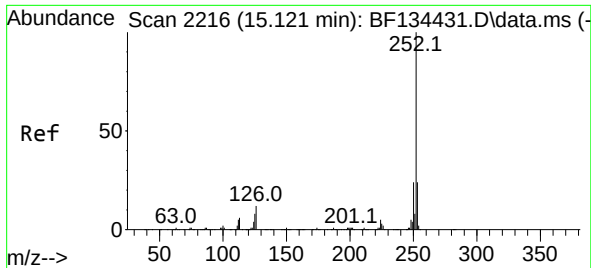


#88
Benzo(b)fluoranthene
Concen: 9.518 ng m
RT: 15.086 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27



Tgt Ion:252 Resp: 54488
Ion Ratio Lower Upper
252 100
253 25.8 17.3 25.9
125 8.9 6.0 9.0





#89

Benzo(k)fluoranthene

Concen: 3.318 ng m

RT: 15.110 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134476.D

Acq: 25 Jul 2023 22:27

Instrument :

BNA_F

ClientSampleId :

RBR200018

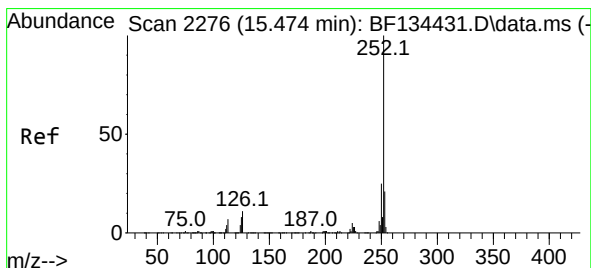
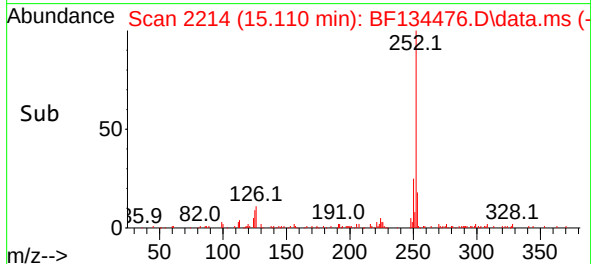
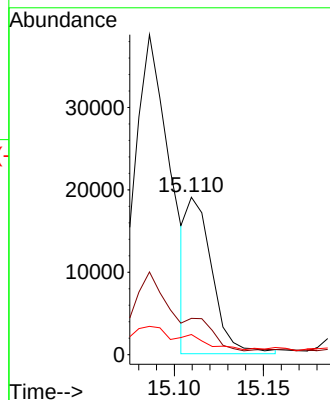
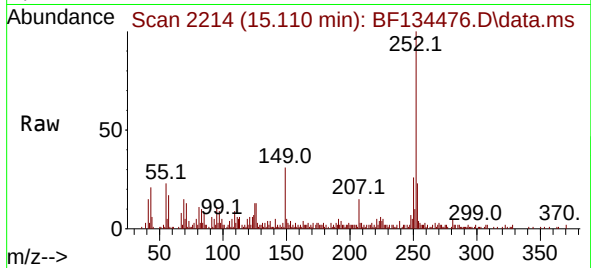
Tgt Ion:252 Resp: 1868
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.9 26.9
 125 12.8 6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#90

Benzo(a)pyrene

Concen: 6.453 ng

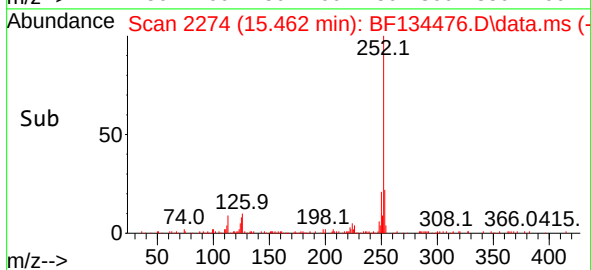
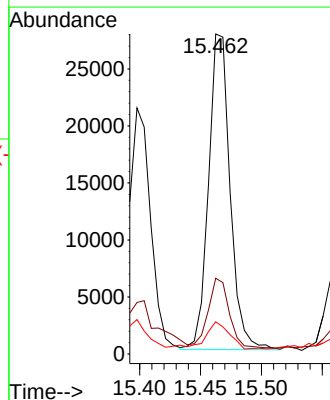
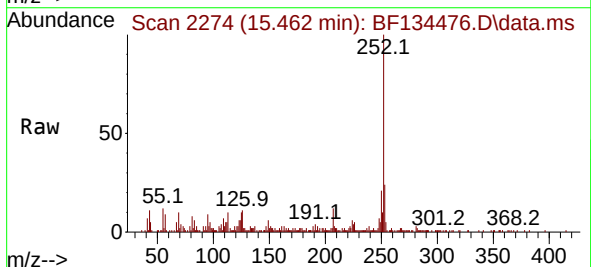
RT: 15.462 min Scan# 2274

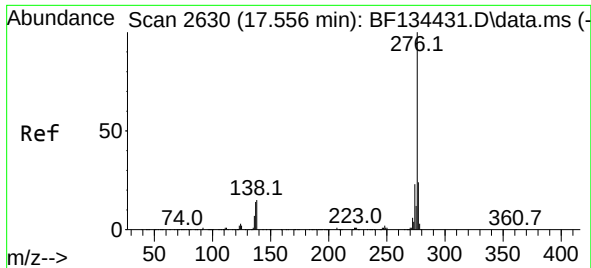
Delta R.T. -0.012 min

Lab File: BF134476.D

Acq: 25 Jul 2023 22:27

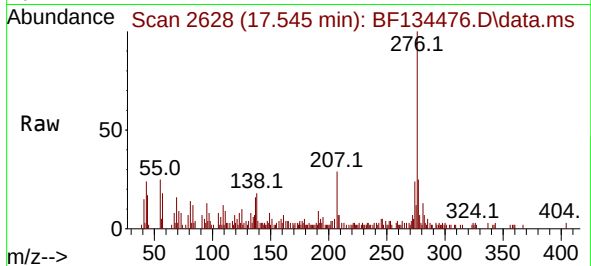
Tgt Ion:252 Resp: 34144
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.0 25.4
 125 10.0 6.2 9.4





#92
Benzo(g,h,i)perylene
Concen: 4.351 ng
RT: 17.545 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF134476.D
Acq: 25 Jul 2023 22:27

Instrument :
BNA_F
ClientSampleId :
RBR200018



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.6
138	17.8	12.2	18.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023

