

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072623\
 Data File : BF134492.D
 Acq On : 26 Jul 2023 20:44
 Operator : CG\JU
 Sample : 03724-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 185465

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/27/2023
 Supervised By :mohammad ahmed 07/27/2023

Quant Time: Jul 26 21:01:54 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	6.822	152	83292	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	329570	20.000	ng	#-0.02
39) Acenaphthene-d10	9.857	164	165116	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	319659	20.000	ng	#-0.02
76) Chrysene-d12	14.009	240	208241	20.000	ng	-0.02
86) Perylene-d12	15.504	264	216749	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	721575	143.132	ng	0.00
7) Phenol-d6	6.469	99	604061	97.798	ng	-0.01
23) Nitrobenzene-d5	7.386	82	407892	62.618	ng	-0.02
42) 2,4,6-Tribromophenol	10.651	330	213982	91.211	ng	-0.02
45) 2-Fluorobiphenyl	9.175	172	817180	64.972	ng	-0.02
79) Terphenyl-d14	12.945	244	850031	71.257	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.374	178	74493	4.460	ng	98
75) Fluoranthene	12.574	202	222879	11.450	ng	99
78) Pyrene	12.804	202	179975	10.870	ng	100
81) Benzo(a)anthracene	13.998	228	95058	6.543	ng	98
83) Chrysene	14.033	228	129454	9.316	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	23443	2.909	ng	95
87) Indeno(1,2,3-cd)pyrene	17.033	276	49595	3.502	ng	98
88) Benzo(b)fluoranthene	15.068	252	172113m	12.693	ng	
89) Benzo(k)fluoranthene	15.092	252	47277m	3.545	ng	
90) Benzo(a)pyrene	15.445	252	79910	6.376	ng	# 98
92) Benzo(g,h,i)perylene	17.503	276	47457	4.042	ng	# 93

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

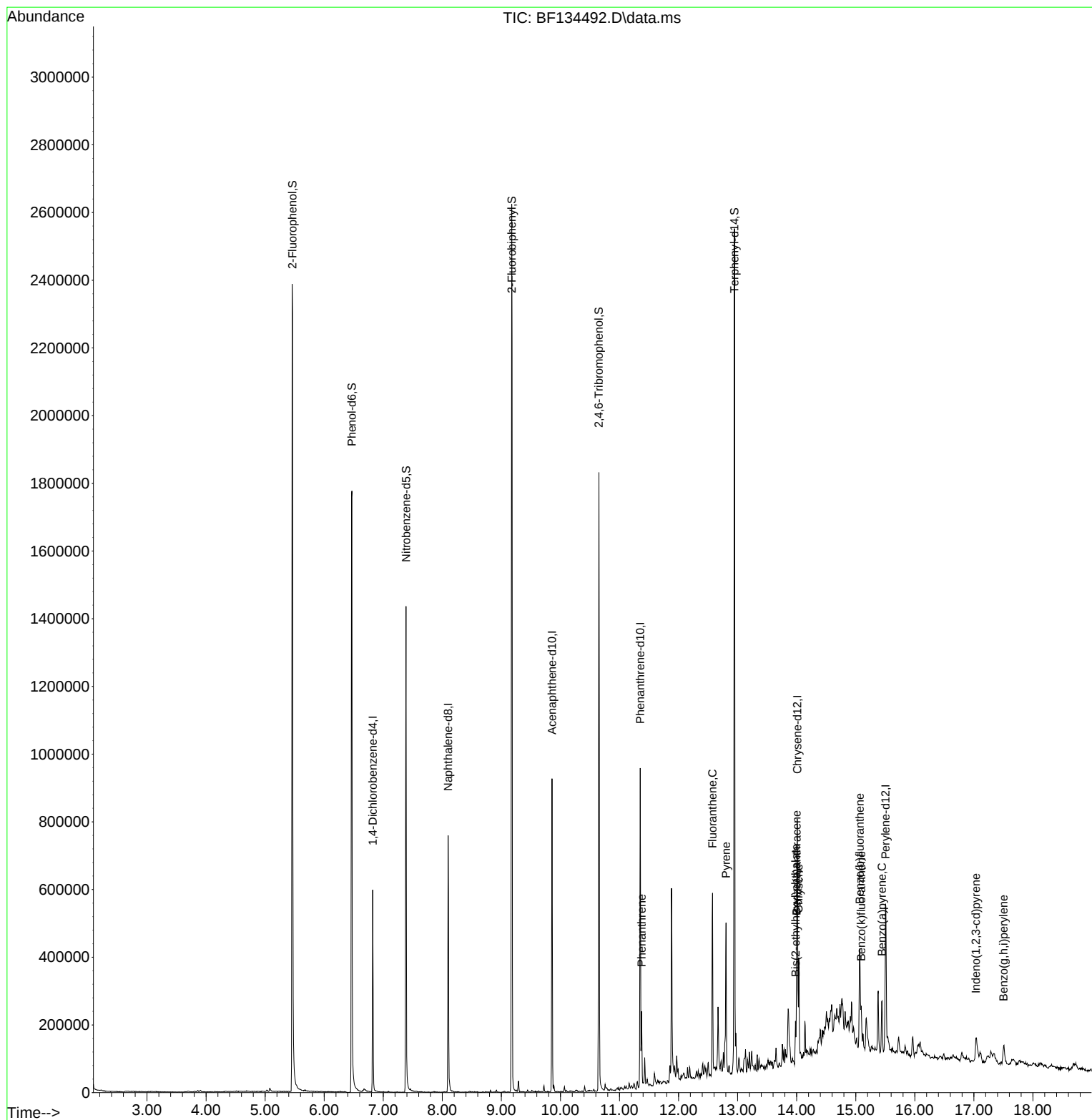
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072623\
Data File : BF134492.D
Acq On : 26 Jul 2023 20:44
Operator : CG\JU
Sample : 03724-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

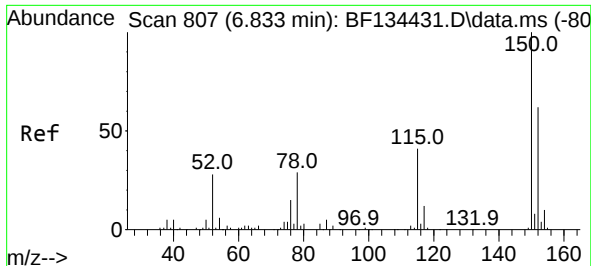
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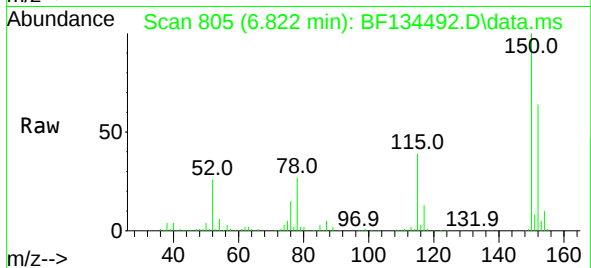
Quant Time: Jul 26 21:01:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 01:46:04 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 807
Delta R.T. -0.011 min
Lab File: BF134492.D
Acq: 26 Jul 2023 20:44

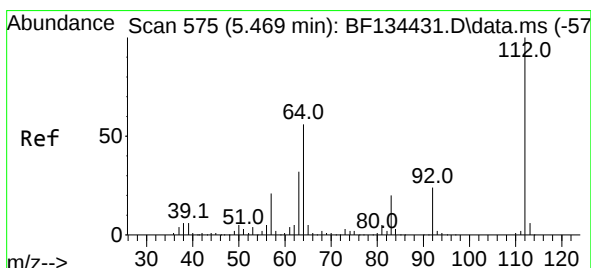
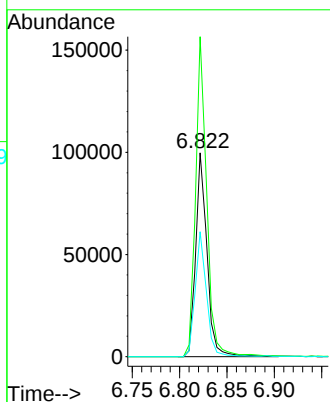
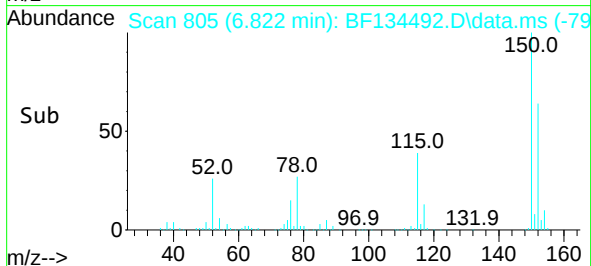
Instrument :
BNA_F
ClientSampleId :
185465



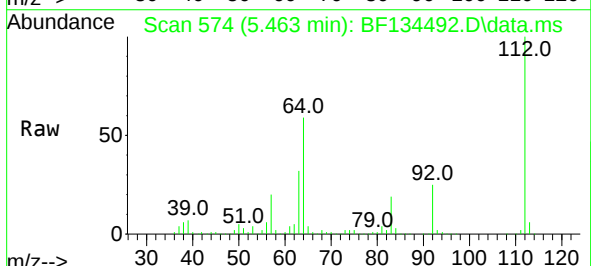
Tgt Ion:152 Resp: 83292
Ion Ratio Lower Upper
152 100
150 157.0 128.3 192.5
115 61.3 52.4 78.6

Manual Integrations
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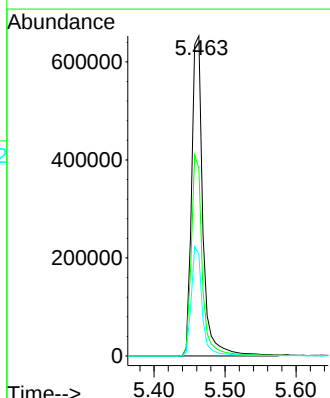
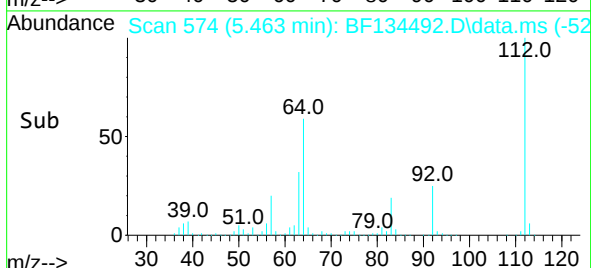
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023

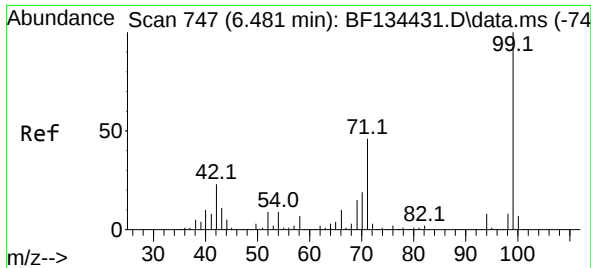


#5
2-Fluorophenol
Concen: 143.132 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.006 min
Lab File: BF134492.D
Acq: 26 Jul 2023 20:44



Tgt Ion:112 Resp: 721575
Ion Ratio Lower Upper
112 100
64 58.6 44.9 67.3
63 31.7 25.4 38.0





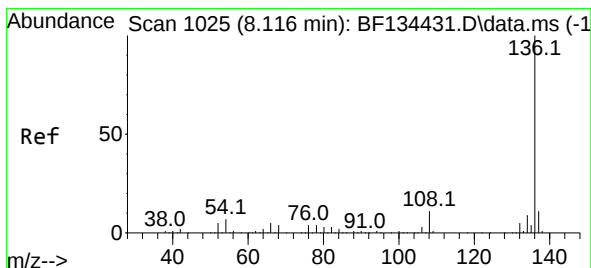
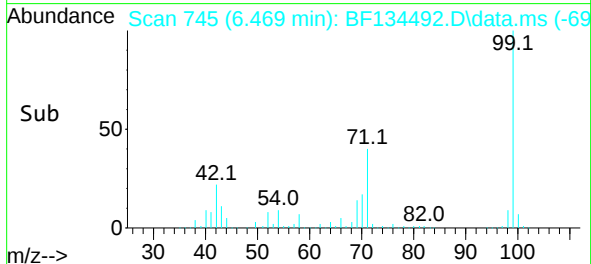
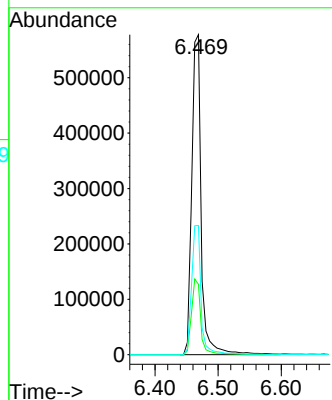
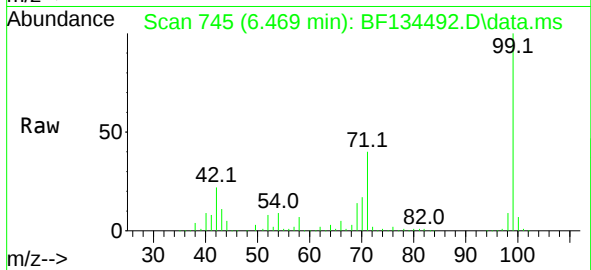
#7
Phenol-d6
Concen: 97.798 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134492.D
Acq: 26 Jul 2023 20:44

Instrument :
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ClientSampleId :
185465

Tgt Ion: 99 Resp: 60406
Ion Ratio Lower Upper
99 100
42 22.0 18.7 28.1
71 40.4 36.4 54.6

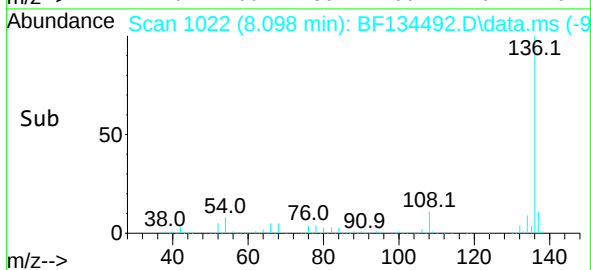
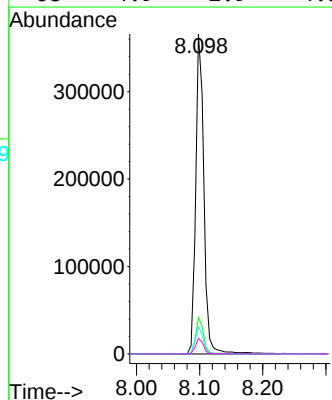
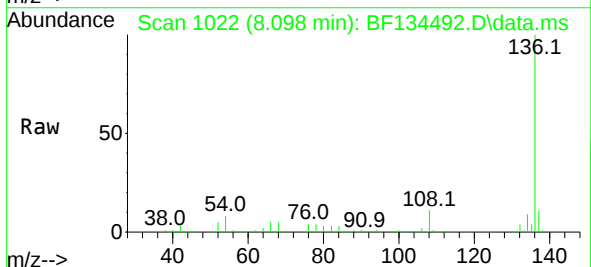
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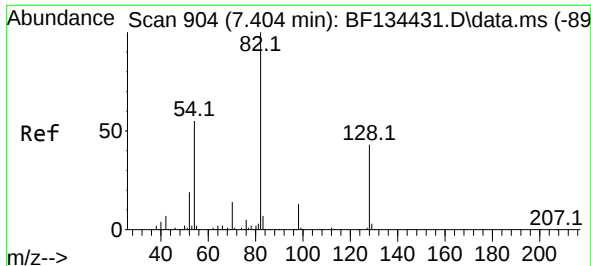
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.018 min
Lab File: BF134492.D
Acq: 26 Jul 2023 20:44

Tgt Ion:136 Resp: 329570
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 8.5 5.2 7.8#
68 4.9 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 62.618 ng

RT: 7.386 min Scan# 904

Delta R.T. -0.018 min

Lab File: BF134492.D

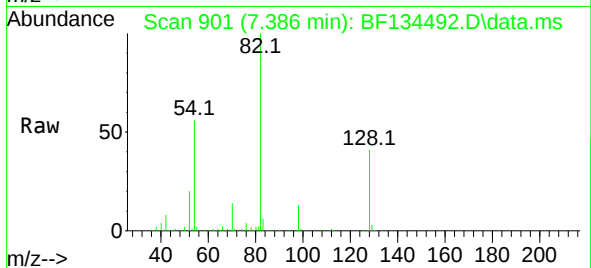
Acq: 26 Jul 2023 20:44

Instrument :

BNA_F

ClientSampleId :

185465



Tgt Ion: 82 Resp: 407892

Ion Ratio Lower Upper

82 100

128 41.1 34.3 51.5

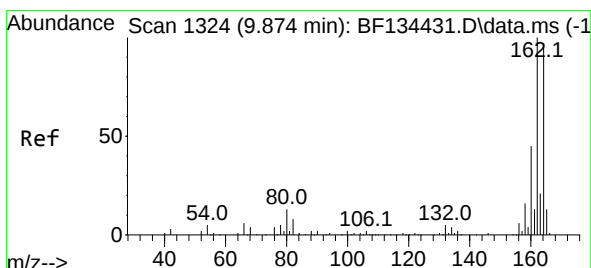
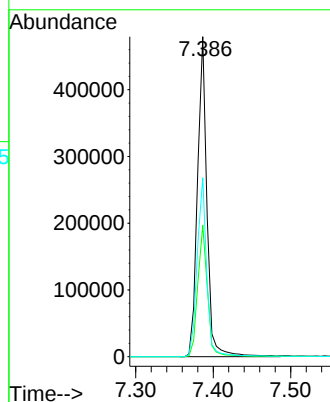
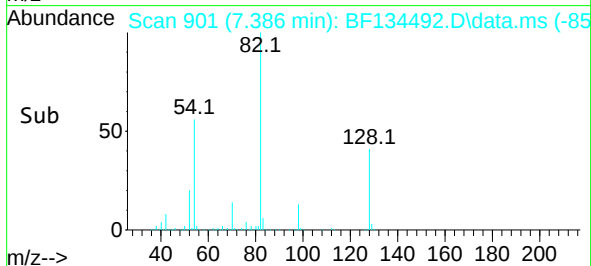
54 56.0 43.8 65.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.018 min

Lab File: BF134492.D

Acq: 26 Jul 2023 20:44

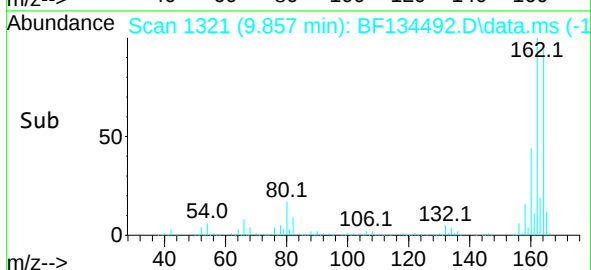
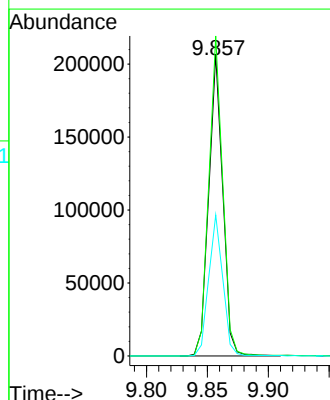
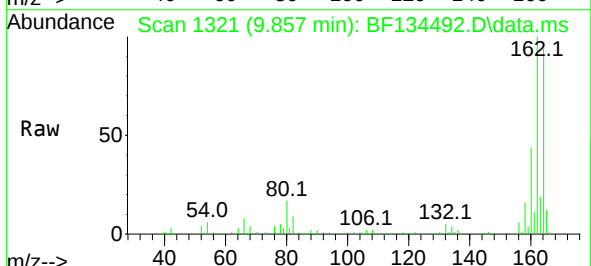
Tgt Ion:164 Resp: 165116

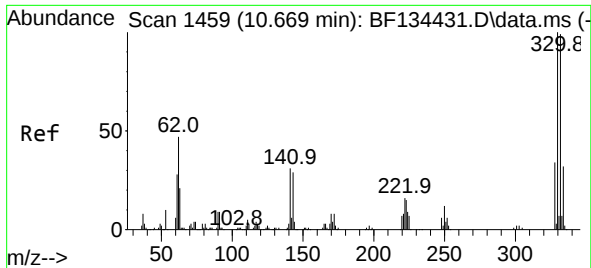
Ion Ratio Lower Upper

164 100

162 106.1 82.6 123.8

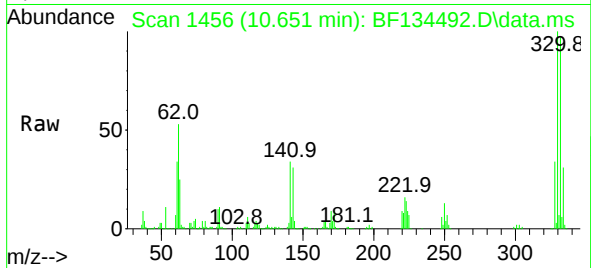
160 46.7 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 91.211 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.018 min
Lab File: BF134492.D
Acq: 26 Jul 2023 20:44

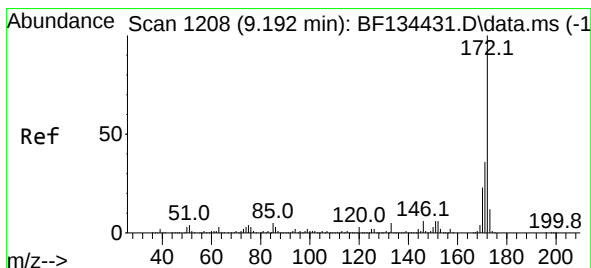
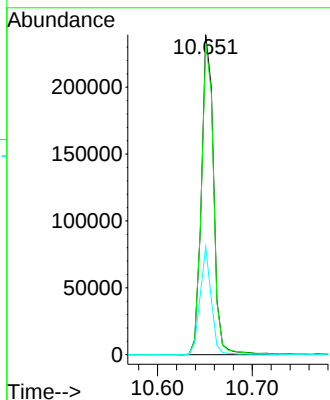
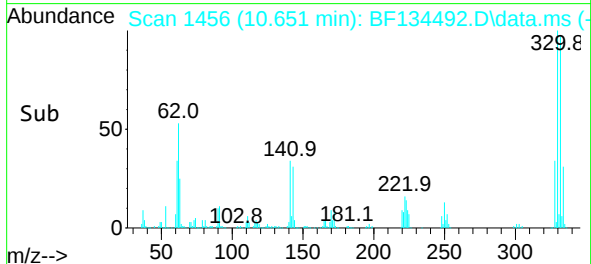
Instrument :
BNA_F
ClientSampleId :
185465



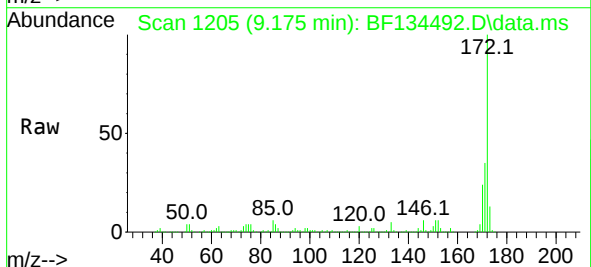
Tgt Ion:330 Resp: 21398
Ion Ratio Lower Upper
330 100
332 97.8 78.8 118.2
141 31.4 25.4 38.2

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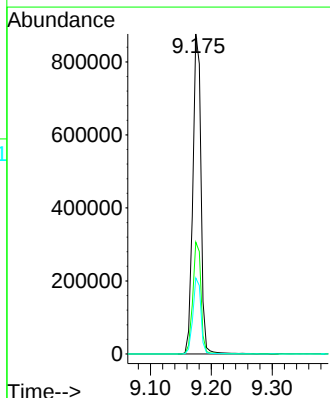
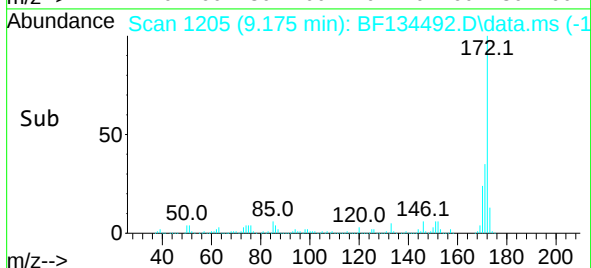
Reviewed By :Yogesh Patel 07/27/2023
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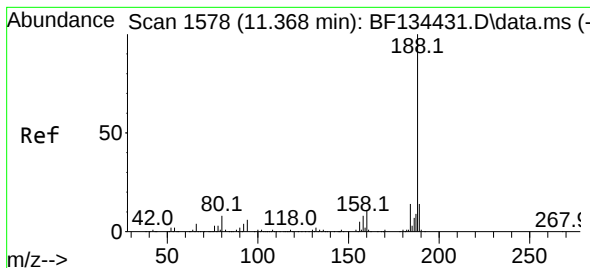


#45
2-Fluorobiphenyl
Concen: 64.972 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.018 min
Lab File: BF134492.D
Acq: 26 Jul 2023 20:44



Tgt Ion:172 Resp: 817180
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.7 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.018 min

Lab File: BF134492.D

Acq: 26 Jul 2023 20:44

Instrument :

BNA_F

ClientSampleId :

185465

Tgt Ion:188 Resp: 319659

Ion Ratio Lower Upper

188 100

94 7.8 5.1 7.7

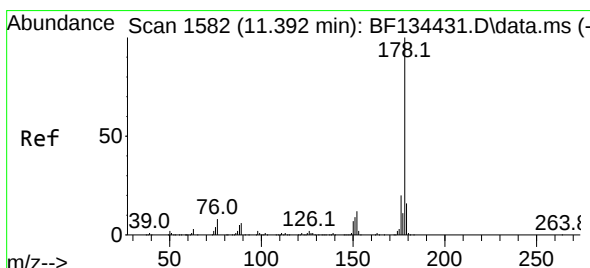
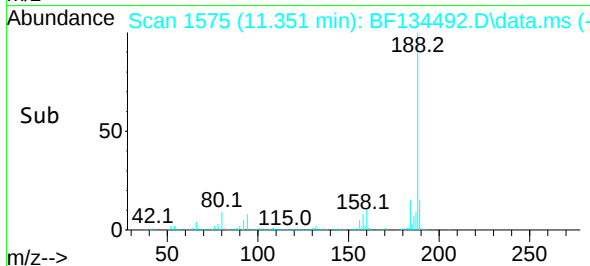
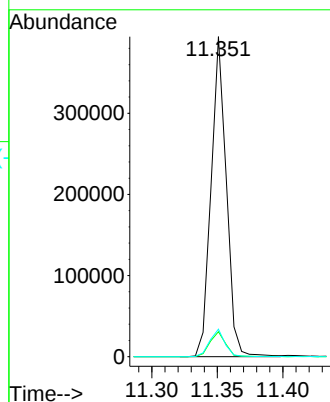
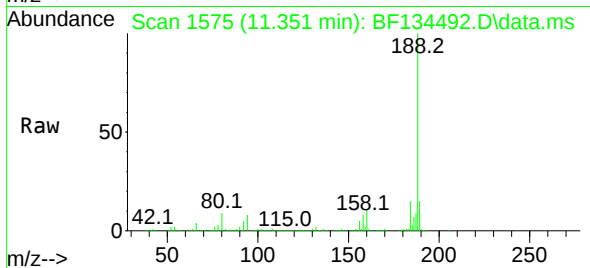
80 8.6 6.6 9.8

Manual Integrations

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Supervised By :mohammad ahmed 07/27/2023



#71

Phenanthrene

Concen: 4.460 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.018 min

Lab File: BF134492.D

Acq: 26 Jul 2023 20:44

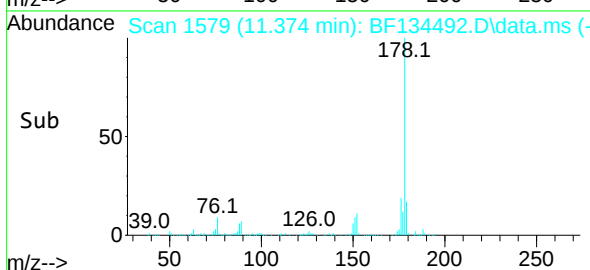
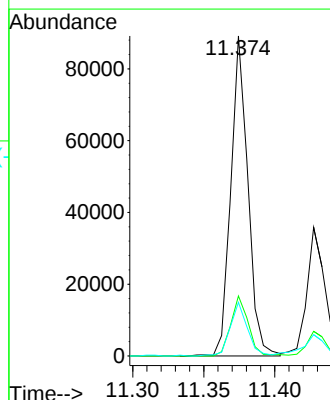
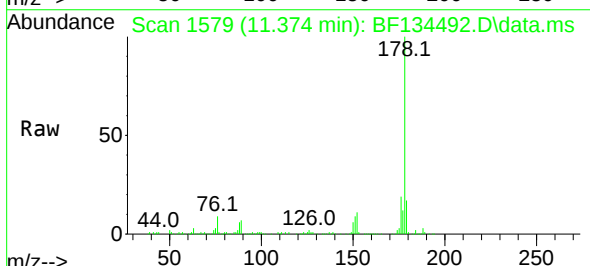
Tgt Ion:178 Resp: 74493

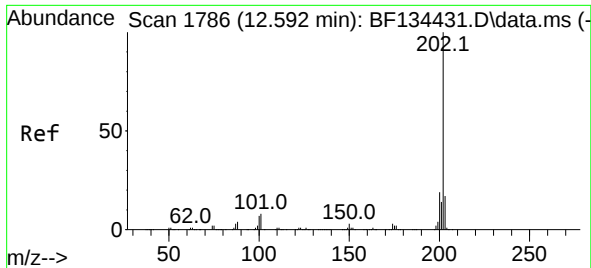
Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

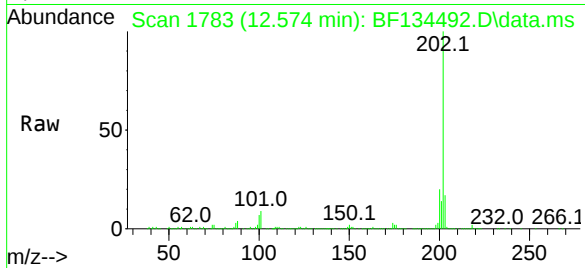
179 16.7 12.7 19.1





#75
Fluoranthene
Concen: 11.450 ng
RT: 12.574 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134492.D
Acq: 26 Jul 2023 20:44

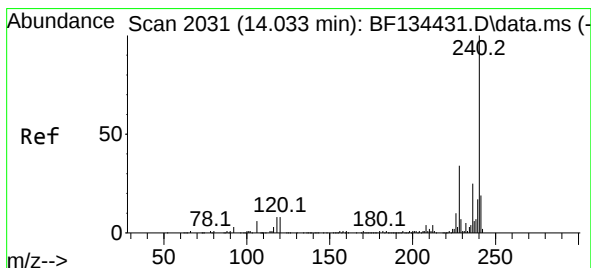
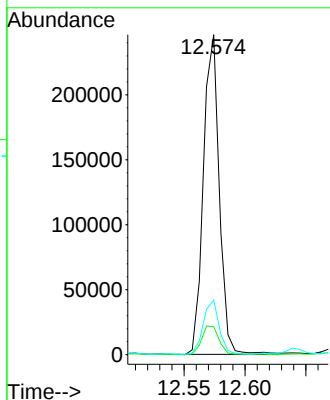
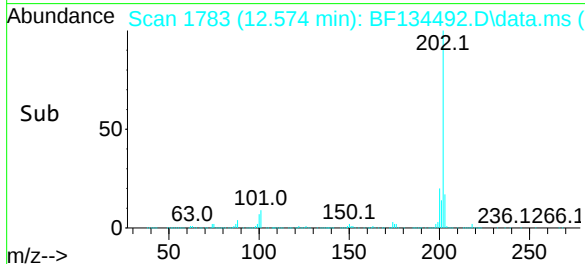
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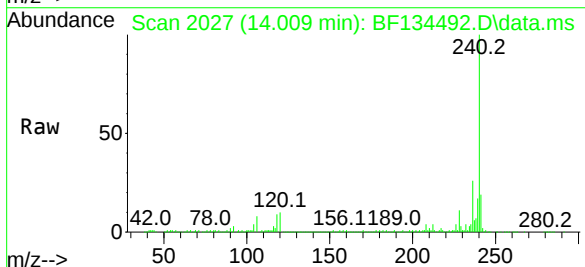
Tgt Ion:202 Resp: 222879
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.5
203 17.1 0.0 37.5

Manual Integrations
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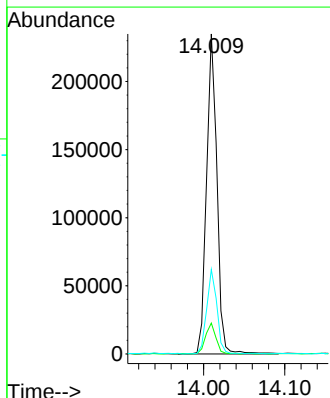
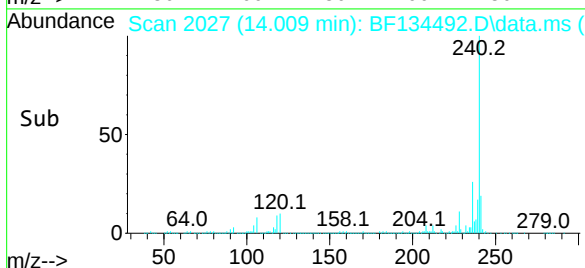
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023

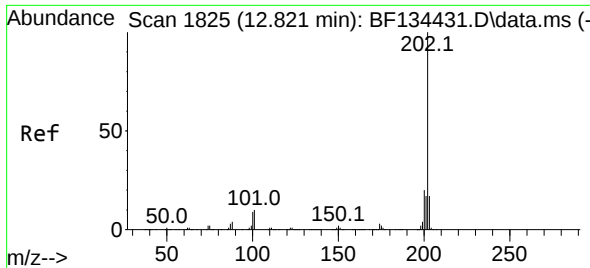


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.024 min
Lab File: BF134492.D
Acq: 26 Jul 2023 20:44



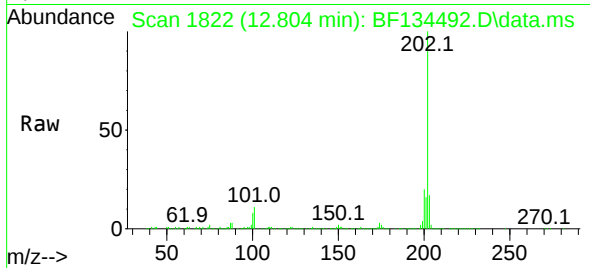
Tgt Ion:240 Resp: 208241
Ion Ratio Lower Upper
240 100
120 9.7 6.6 10.0
236 26.4 20.2 30.2





#78
Pyrene
Concen: 10.870 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.018 min
Lab File: BF134492.D
Acq: 26 Jul 2023 20:44

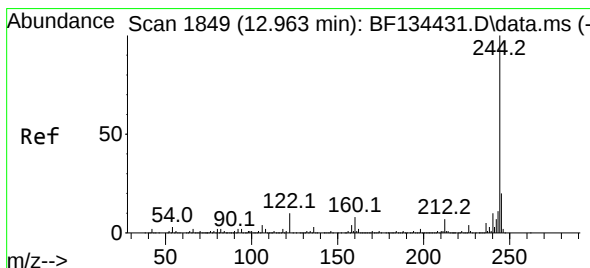
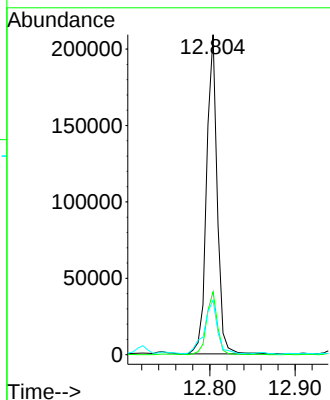
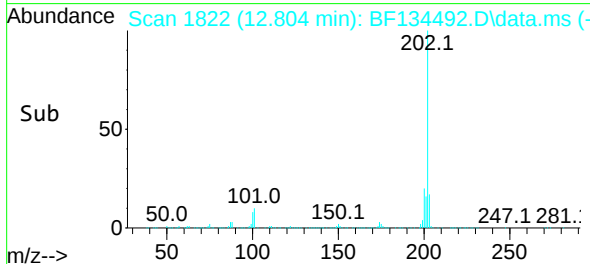
Instrument :
BNA_F
ClientSampleId :
185465



Tgt Ion:202 Resp: 17997
Ion Ratio Lower Upper
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200 19.6 15.8 23.8
203 17.0 13.5 20.3

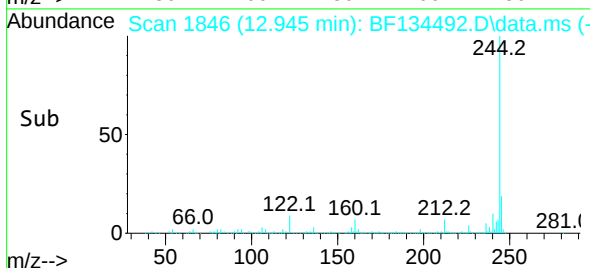
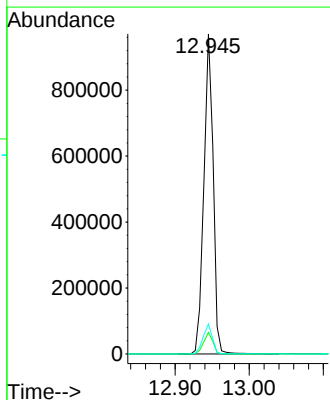
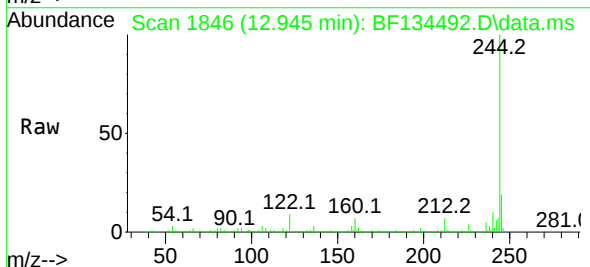
Manual Integrations
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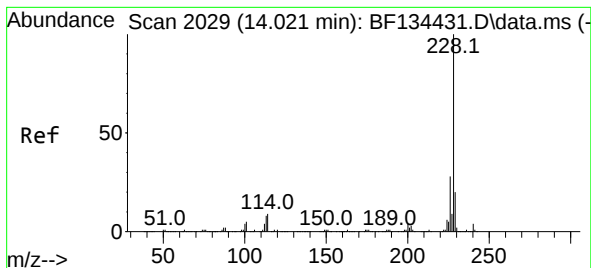
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023



#79
Terphenyl-d14
Concen: 71.257 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.018 min
Lab File: BF134492.D
Acq: 26 Jul 2023 20:44

Tgt Ion:244 Resp: 850031
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 9.3 8.0 12.0





#81

Benzo(a)anthracene

Concen: 6.543 ng

RT: 13.998 min Scan# 2029

Delta R.T. -0.024 min

Lab File: BF134492.D

Acq: 26 Jul 2023 20:44

Instrument :

BNA_F

ClientSampleId :

185465

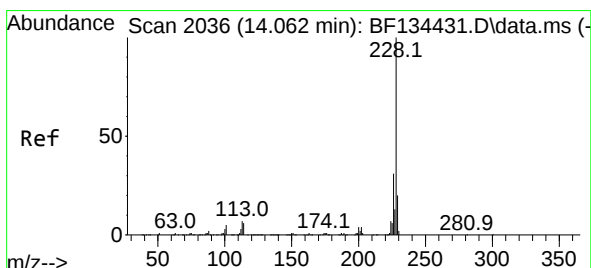
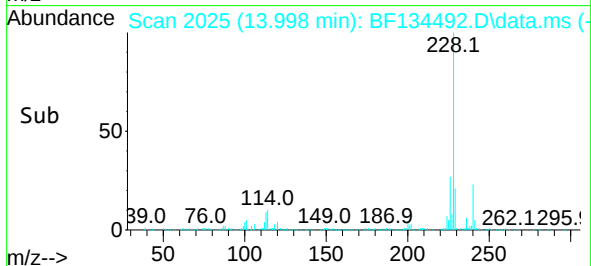
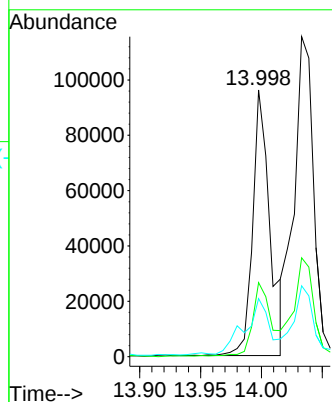
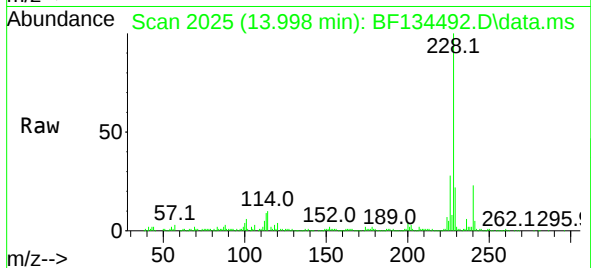
Tgt Ion:228 Resp: 95058
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.3 33.5
 229 21.8 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/27/2023

Supervised By :mohammad ahmed 07/27/2023



#83

Chrysene

Concen: 9.316 ng

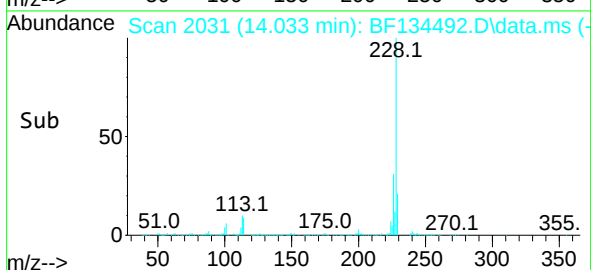
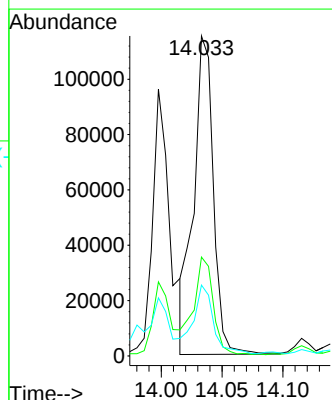
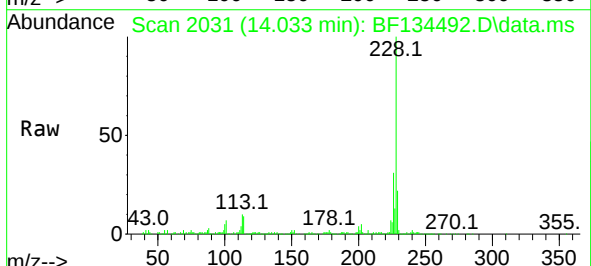
RT: 14.033 min Scan# 2031

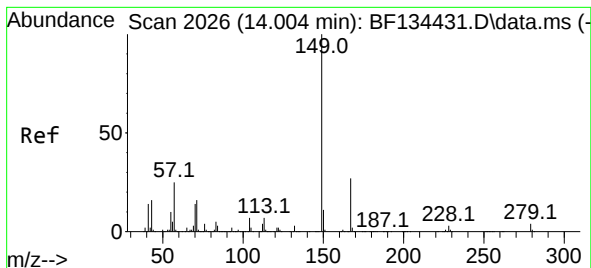
Delta R.T. -0.029 min

Lab File: BF134492.D

Acq: 26 Jul 2023 20:44

Tgt Ion:228 Resp: 129454
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.5 36.7
 229 22.1 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.909 ng

RT: 13.980 min Scan# 2026

Delta R.T. -0.024 min

Lab File: BF134492.D

Acq: 26 Jul 2023 20:44

Instrument :

BNA_F

ClientSampleId :

185465

Tgt Ion:149 Resp: 2344

Ion Ratio Lower Upper

149 100

167 24.1 21.6 32.4

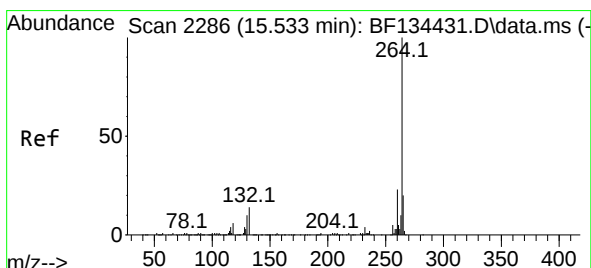
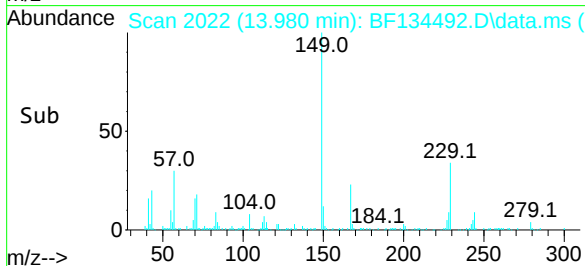
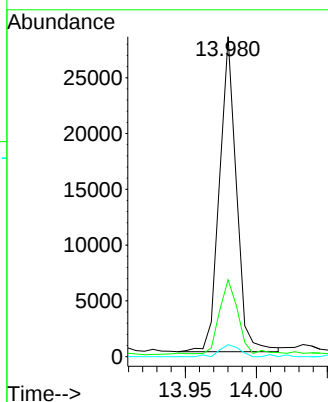
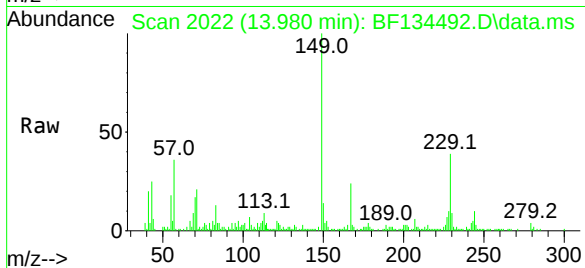
279 3.7 3.5 5.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/27/2023

Supervised By :mohammad ahmed 07/27/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2281

Delta R.T. -0.029 min

Lab File: BF134492.D

Acq: 26 Jul 2023 20:44

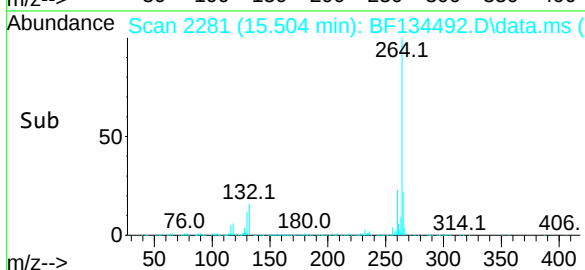
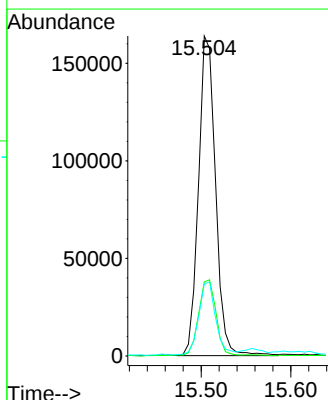
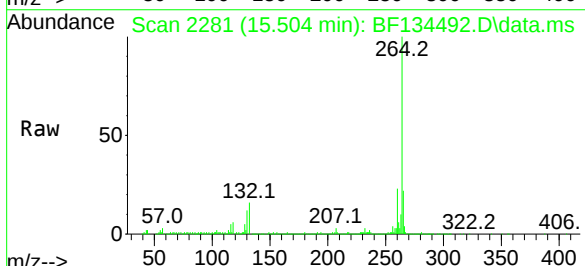
Tgt Ion:264 Resp: 216749

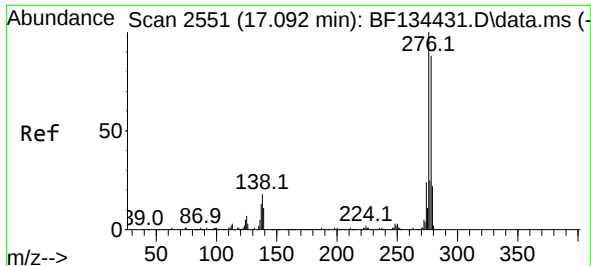
Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

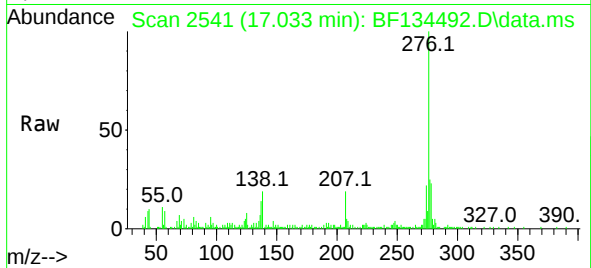
265 22.4 15.8 23.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.502 ng
RT: 17.033 min Scan# 21
Delta R.T. -0.059 min
Lab File: BF134492.D
Acq: 26 Jul 2023 20:44

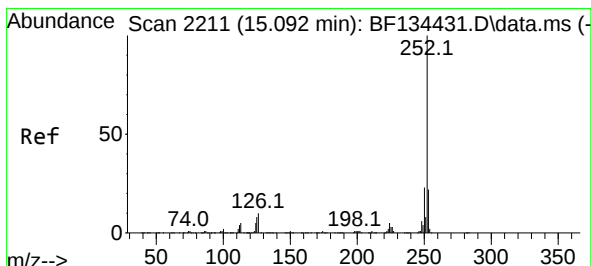
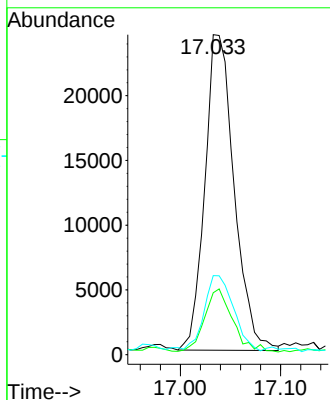
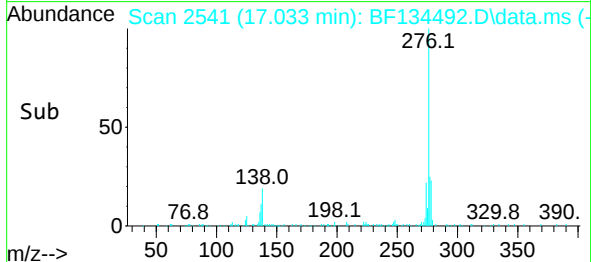
Instrument :
BNA_F
ClientSampleId :
185465



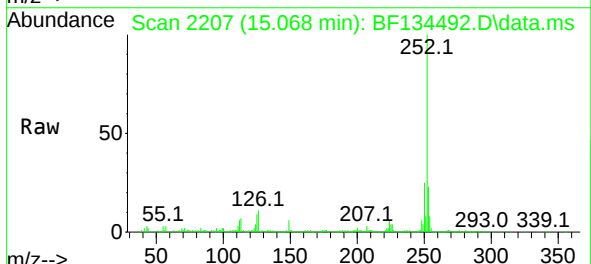
Tgt Ion:276 Resp: 4959
Ion Ratio Lower Upper
276 100
138 19.1 14.2 21.4
277 24.5 19.9 29.9

Manual Integrations
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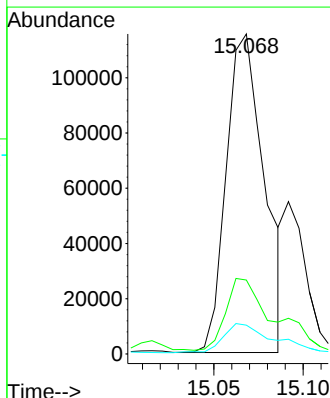
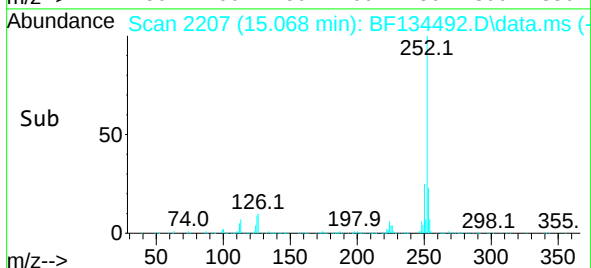
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023

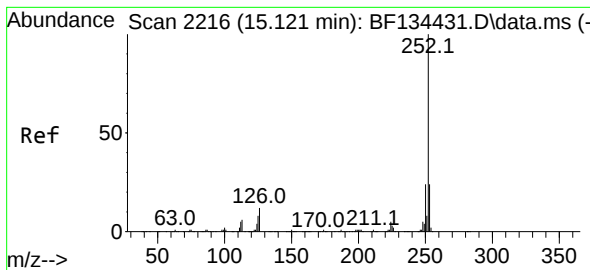


#88
Benzo(b)fluoranthene
Concen: 12.693 ng m
RT: 15.068 min Scan# 2207
Delta R.T. -0.024 min
Lab File: BF134492.D
Acq: 26 Jul 2023 20:44



Tgt Ion:252 Resp: 172113
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 9.0 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 3.545 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134492.D

Acq: 26 Jul 2023 20:44

Instrument :

BNA_F

ClientSampleId :

185465

Tgt Ion:252 Resp: 4727

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

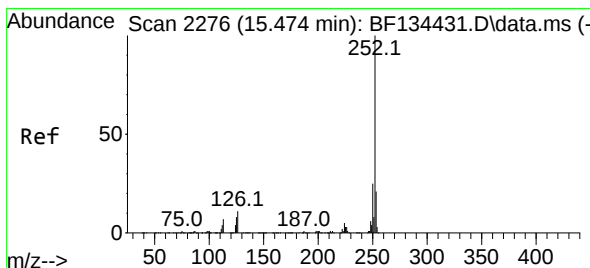
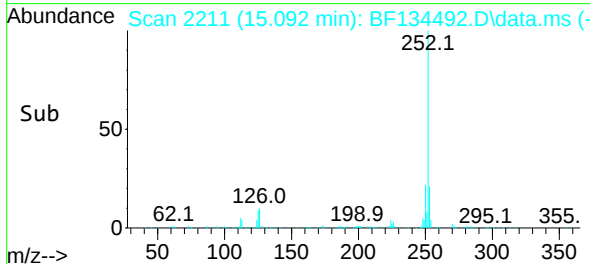
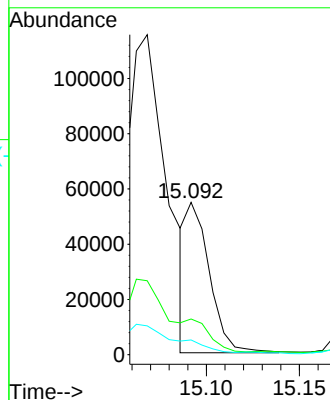
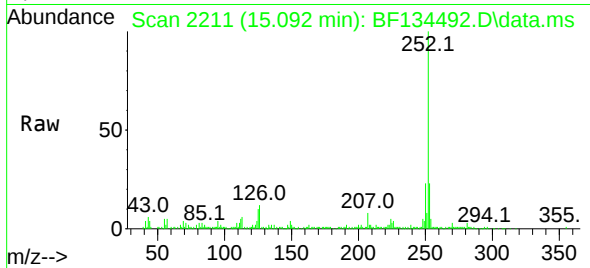
125 9.7 6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/27/2023

Supervised By :mohammad ahmed 07/27/2023



#90

Benzo(a)pyrene

Concen: 6.376 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.029 min

Lab File: BF134492.D

Acq: 26 Jul 2023 20:44

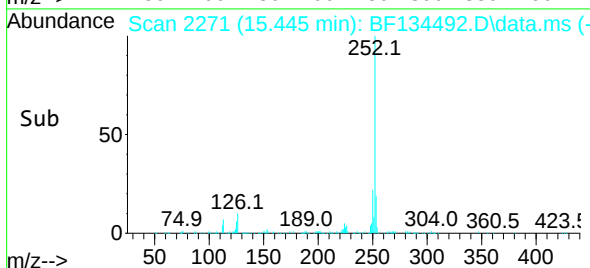
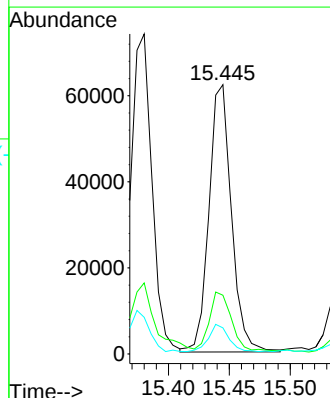
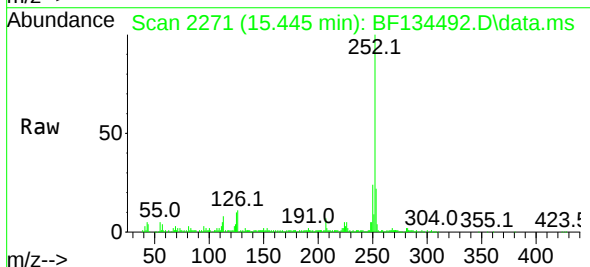
Tgt Ion:252 Resp: 79910

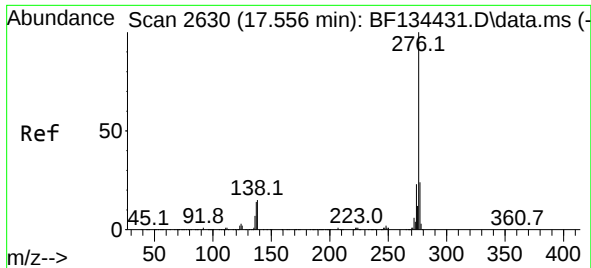
Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.4

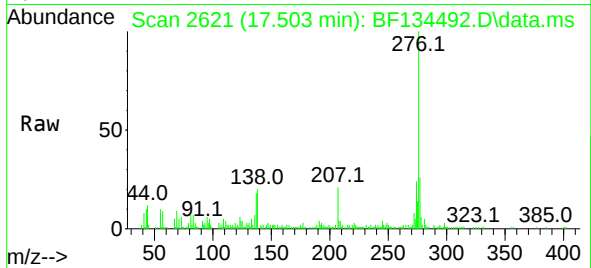
125 9.7 6.2 9.4





#92
Benzo(g,h,i)perylene
Concen: 4.042 ng
RT: 17.503 min Scan# 20
Delta R.T. -0.053 min
Lab File: BF134492.D
Acq: 26 Jul 2023 20:44

Instrument :
BNA_F
ClientSampleId :
185465



Tgt Ion:276 Resp: 4745
Ion Ratio Lower Upper
276 100
277 25.7 19.0 28.6
138 20.2 12.2 18.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023

