

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081723\
 Data File : BF134828.D
 Acq On : 17 Aug 2023 21:05
 Operator : CG\JU
 Sample : 04042-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-376

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/18/2023
 Supervised By :mohammad ahmed 08/18/2023

Quant Time: Aug 18 01:08:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	144544	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	538943	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	252065	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	373345	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	312895	20.000	ng	#-0.01
86) Perylene-d12	15.439	264	399161	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	718956	75.609	ng	0.00
7) Phenol-d6	6.428	99	903835	74.358	ng	-0.01
23) Nitrobenzene-d5	7.351	82	538454	62.436	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	194707	75.774	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	922696	60.864	ng	-0.02
79) Terphenyl-d14	12.910	244	737147	41.531	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.686	152	62456	2.705	ng	100
71) Phenanthrene	11.339	178	138516	6.985	ng	98
75) Fluoranthene	12.533	202	247963	11.837	ng	97
78) Pyrene	12.763	202	243925	9.009	ng	98
81) Benzo(a)anthracene	13.957	228	167267m	7.476	ng	
83) Chrysene	13.992	228	162133	7.438	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	145616	6.203	ng	# 95
88) Benzo(b)fluoranthene	15.004	252	251025m	10.311	ng	
89) Benzo(k)fluoranthene	15.033	252	93987m	3.876	ng	
90) Benzo(a)pyrene	15.374	252	205392	9.049	ng	# 95
92) Benzo(g,h,i)perylene	17.362	276	137816	7.121	ng	# 91

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

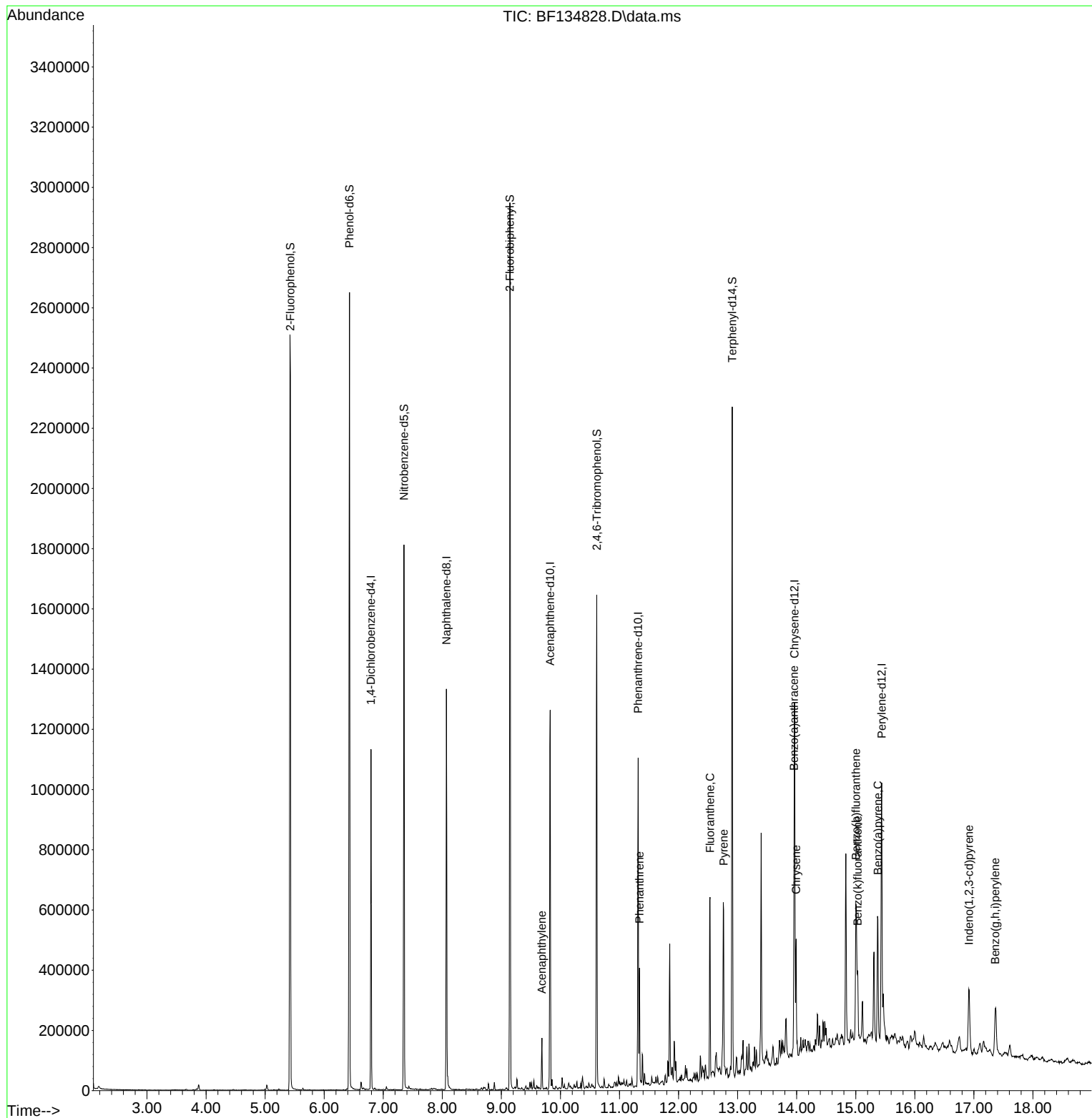
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081723\
Data File : BF134828.D
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Sample : 04042-01
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ALS Vial : 13 Sample Multiplier: 1

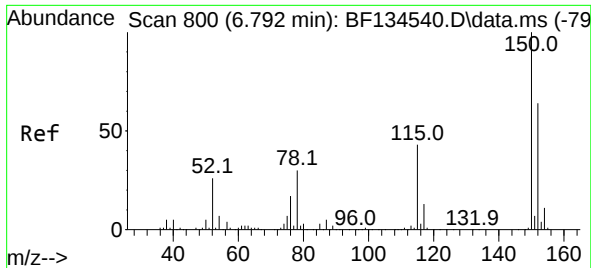
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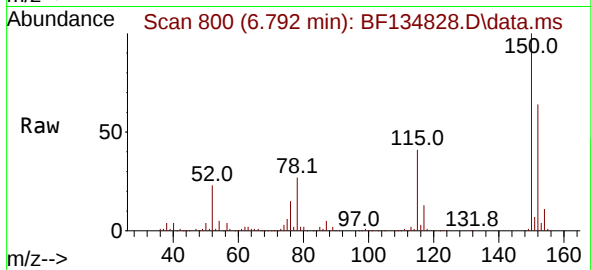
Quant Time: Aug 18 01:08:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

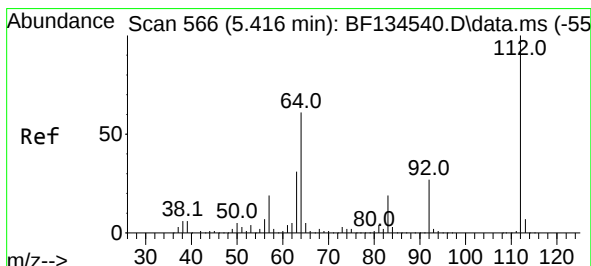
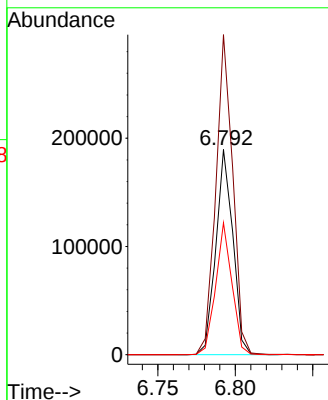
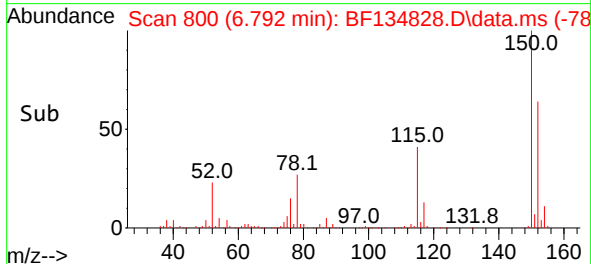
Instrument :
BNA_F
ClientSampleId :
TP-376



Tgt Ion:152 Resp: 144544
Ion Ratio Lower Upper
152 100
150 156.0 128.3 192.5
115 64.3 52.4 78.6

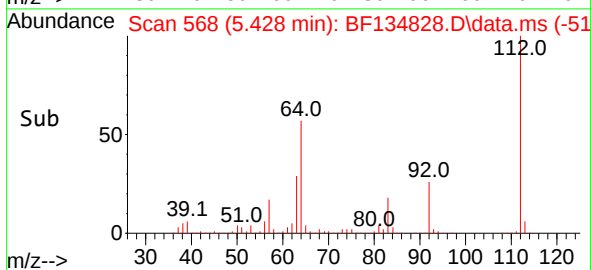
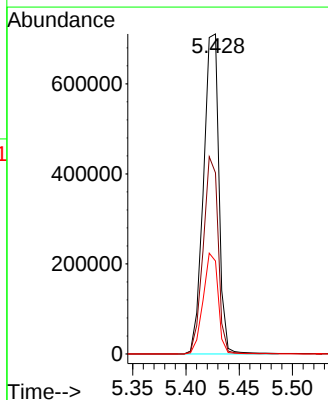
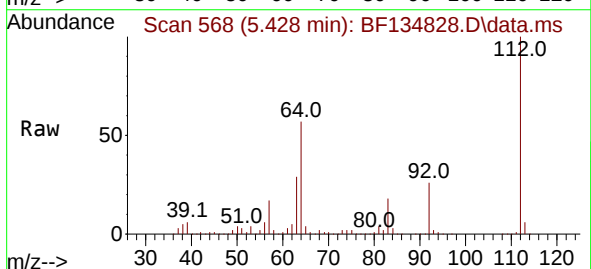
Manual Integrations
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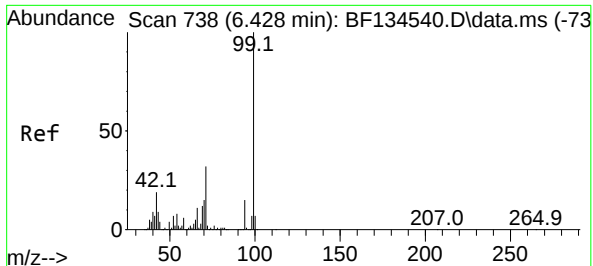
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#5
2-Fluorophenol
Concen: 75.609 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

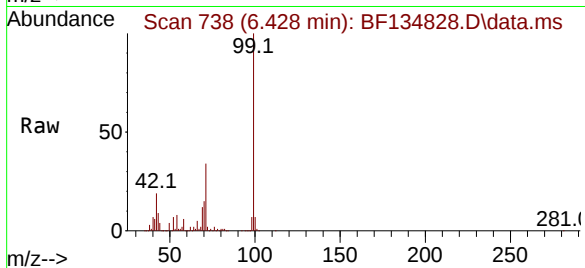
Tgt Ion:112 Resp: 718956
Ion Ratio Lower Upper
112 100
64 56.6 44.9 67.3
63 29.1 25.4 38.0





#7
Phenol-d6
Concen: 74.358 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

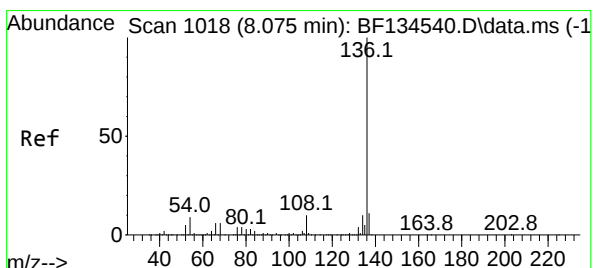
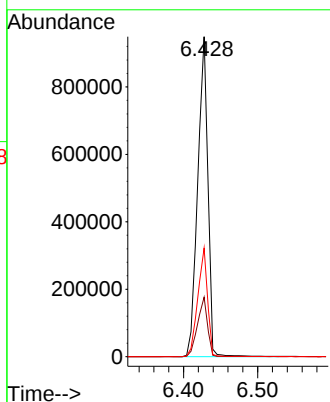
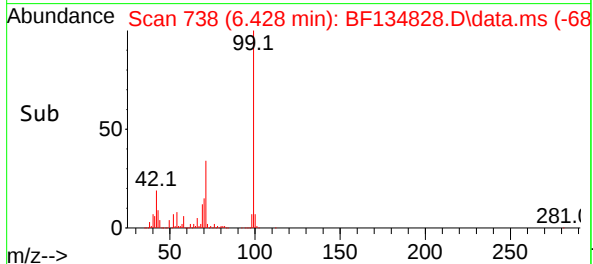
Instrument :
BNA_F
ClientSampleId :
TP-376



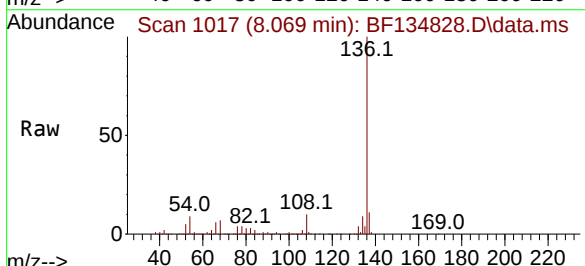
Tgt Ion: 99 Resp: 90383
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1#
71 34.0 36.4 54.6#

Manual Integrations
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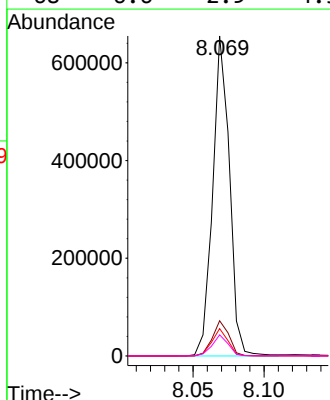
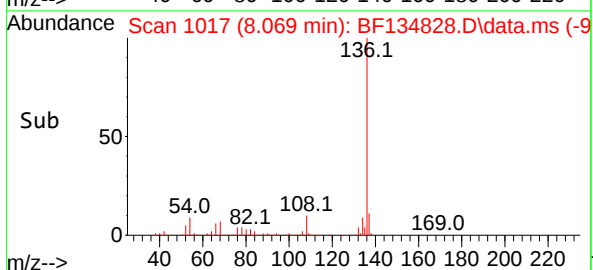
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023

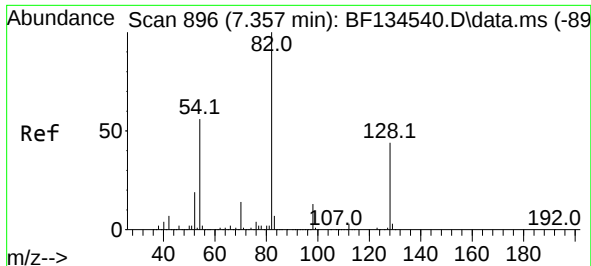


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05



Tgt Ion:136 Resp: 538943
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.6 5.2 7.8#
68 6.6 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 62.436 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

Instrument :

BNA_F

ClientSampleId :

TP-376

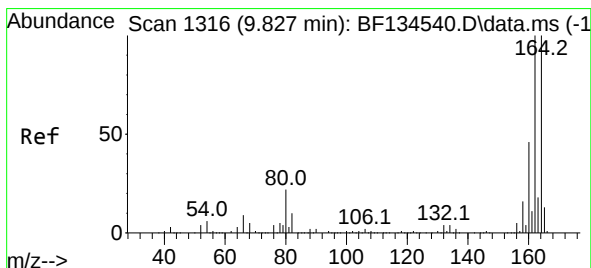
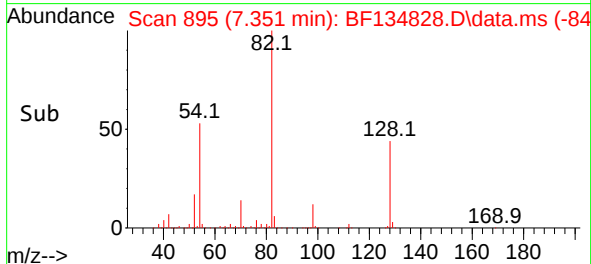
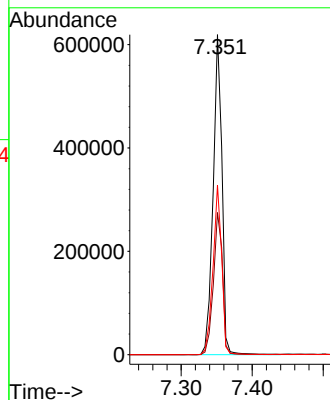
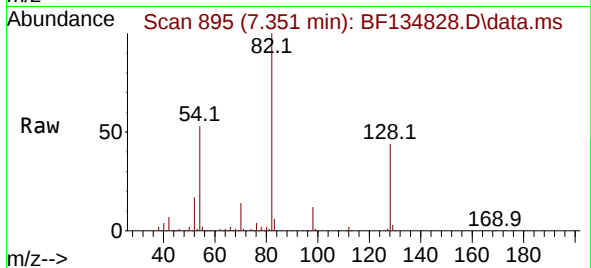
Tgt Ion: 82 Resp: 538454
 Ion Ratio Lower Upper
 82 100
 128 44.4 34.3 51.5
 54 53.0 43.8 65.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

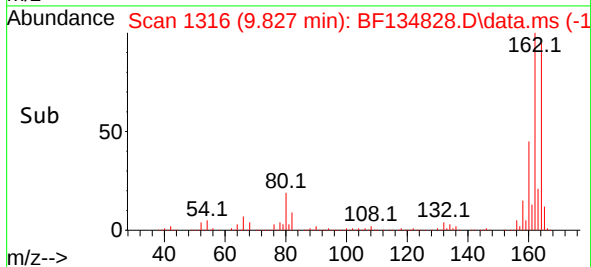
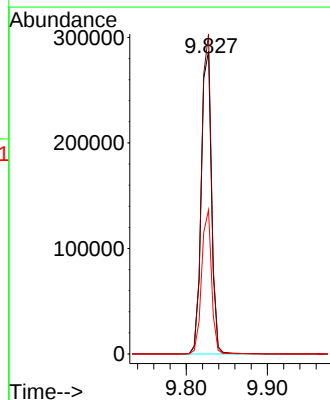
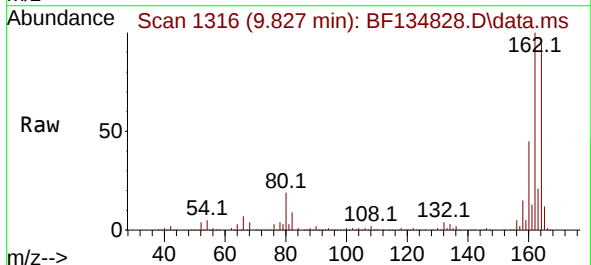
RT: 9.827 min Scan# 1316

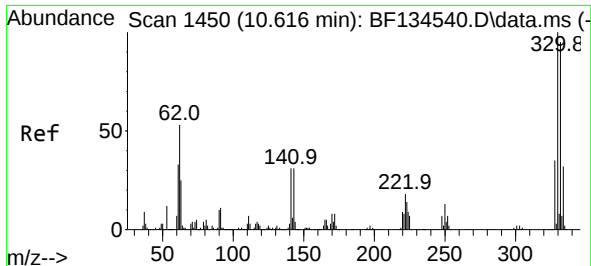
Delta R.T. -0.006 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

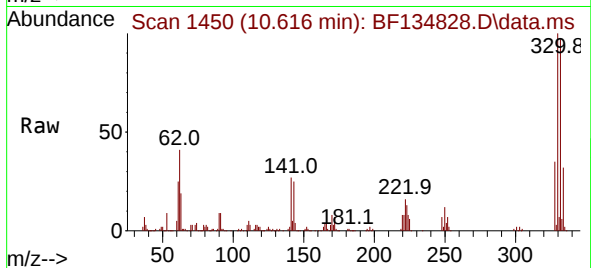
Tgt Ion:164 Resp: 252065
 Ion Ratio Lower Upper
 164 100
 162 105.6 82.6 123.8
 160 47.5 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 75.774 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

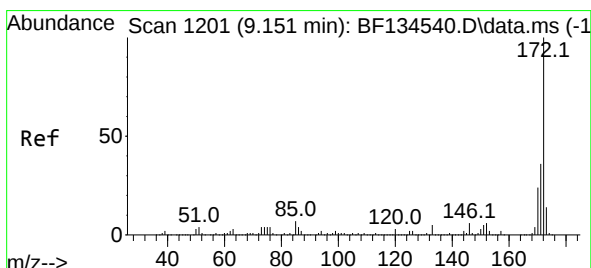
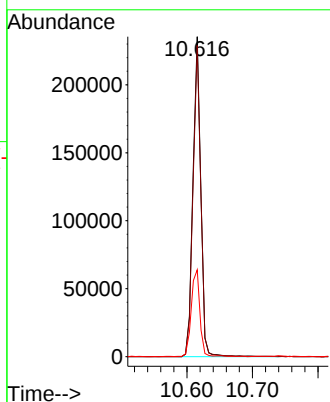
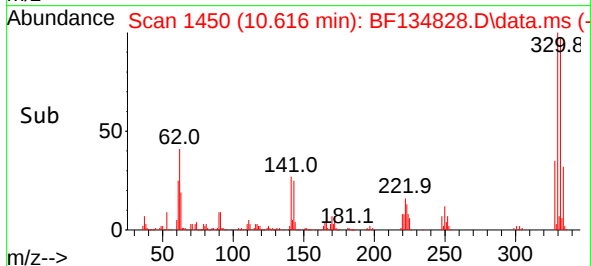
Instrument :
BNA_F
ClientSampleId :
TP-376



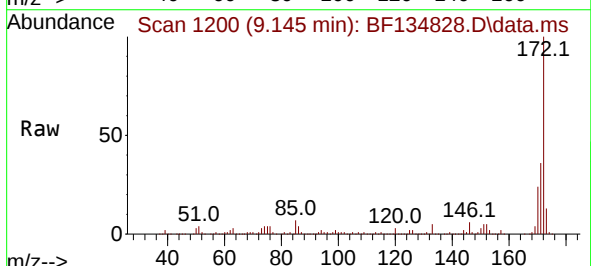
Tgt Ion: 330 Resp: 19470
Ion Ratio Lower Upper
330 100
332 96.4 78.8 118.2
141 29.6 25.4 38.2

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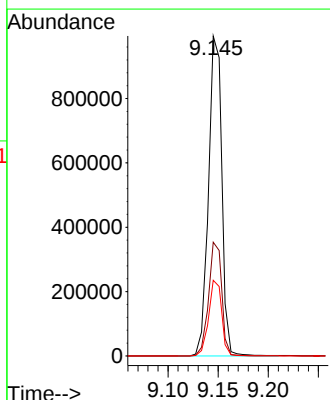
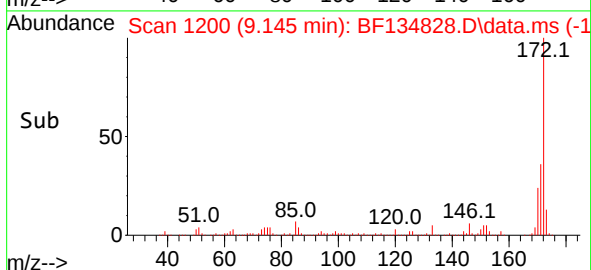
Reviewed By : Yogesh Patel 08/18/2023
Supervised By : mohammad ahmed 08/18/2023

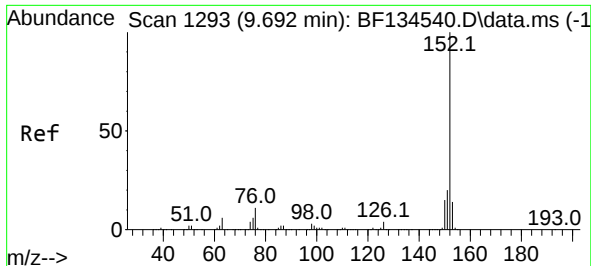


#45
2-Fluorobiphenyl
Concen: 60.864 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05



Tgt Ion: 172 Resp: 922696
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.6 18.7 28.1





#49

Acenaphthylene

Concen: 2.705 ng

RT: 9.686 min Scan# 1292

Delta R.T. -0.012 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

Instrument :

BNA_F

ClientSampleId :

TP-376

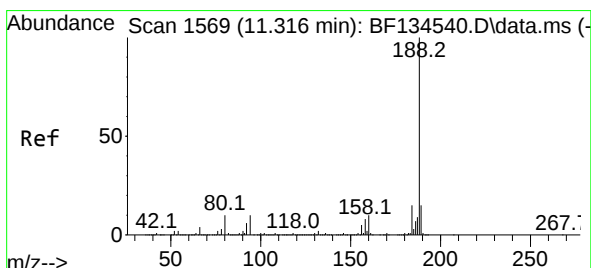
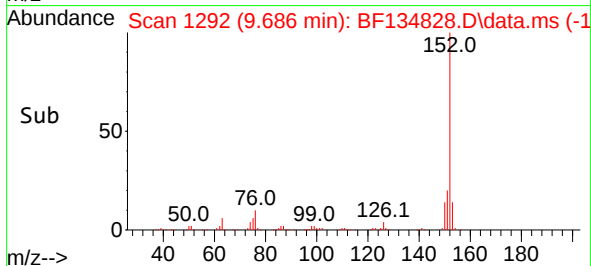
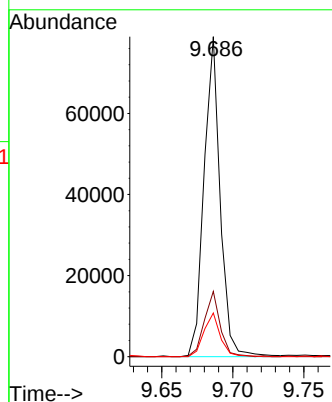
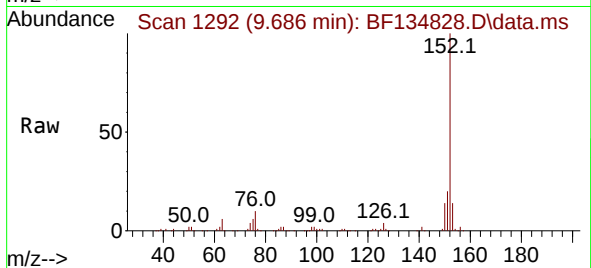
Tgt Ion:	152	Resp:	62450
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.4	24.6
153	13.7	10.9	16.3

Manual Integrations

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Reviewed By :Yogesh Patel 08/18/2023

Supervised By :mohammad ahmed 08/18/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

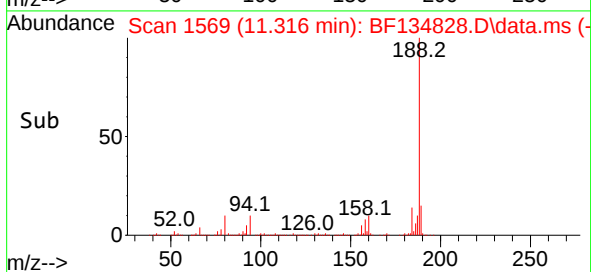
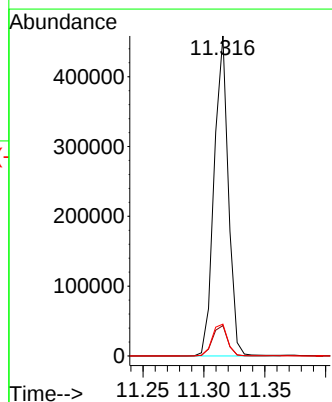
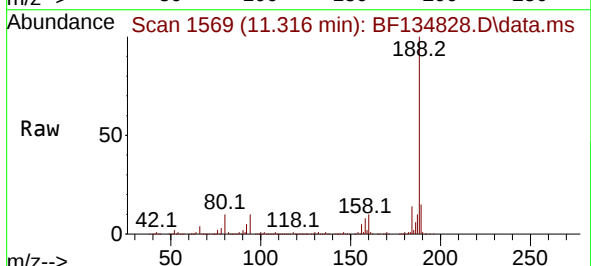
RT: 11.316 min Scan# 1569

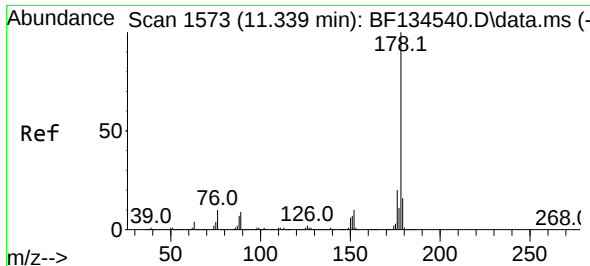
Delta R.T. -0.006 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

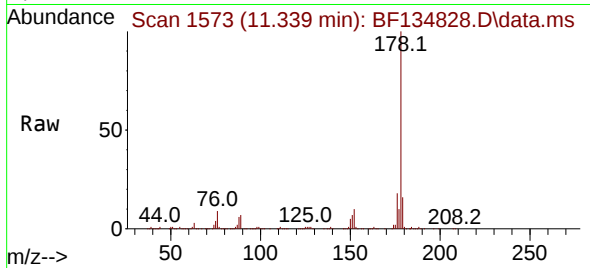
Tgt Ion:	188	Resp:	373345
Ion Ratio	Lower	Upper	
188	100		
94	9.5	5.1	7.7#
80	9.9	6.6	9.8#





#71
Phenanthrene
Concen: 6.985 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

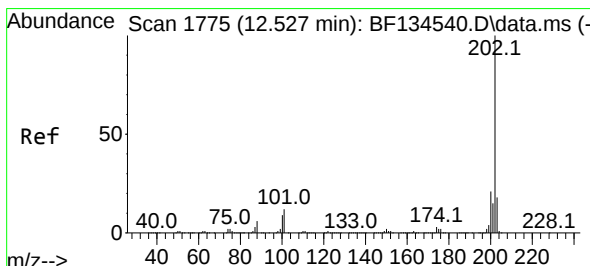
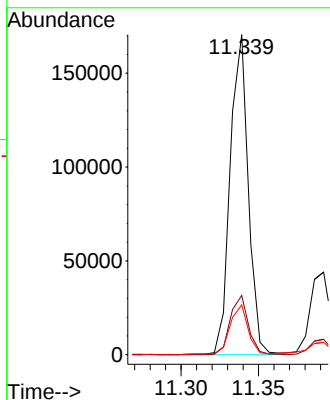
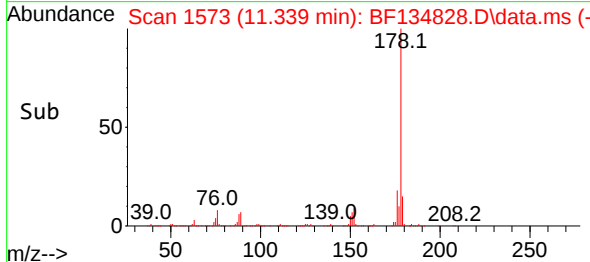
Instrument :
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TP-376



Tgt Ion:178 Resp: 138510
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 15.5 12.7 19.1

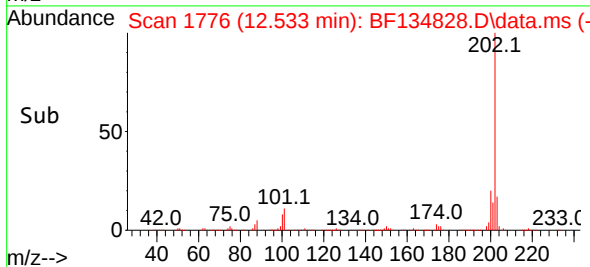
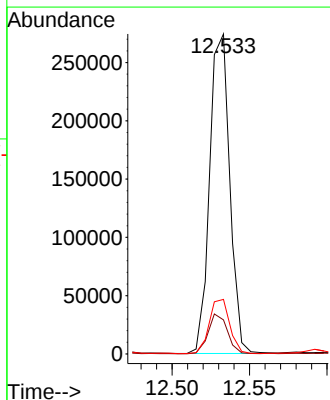
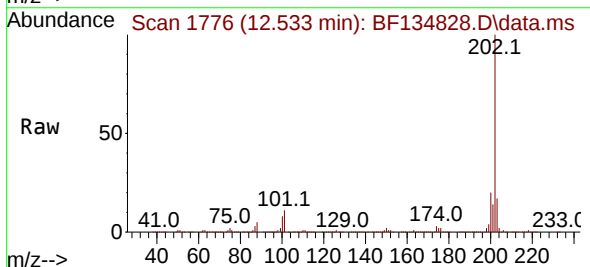
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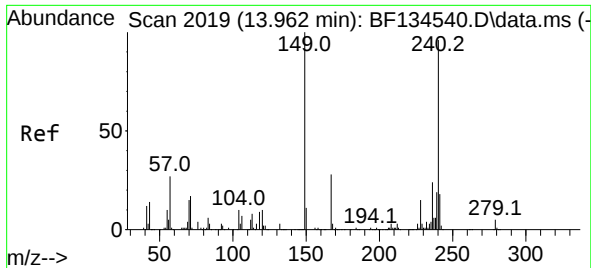
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#75
Fluoranthene
Concen: 11.837 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Tgt Ion:202 Resp: 247963
Ion Ratio Lower Upper
202 100
101 10.6 0.0 28.5
203 17.0 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Instrument :

BNA_F

ClientSampleId :

TP-376

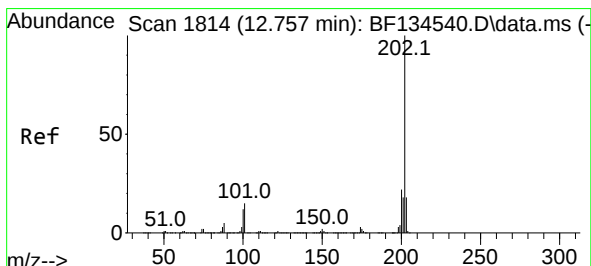
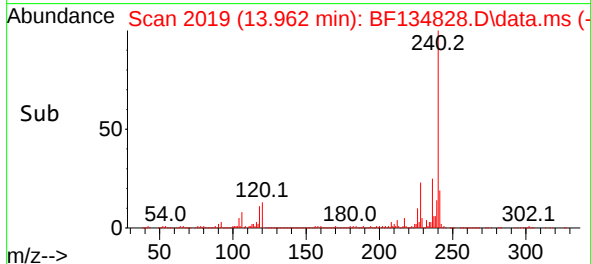
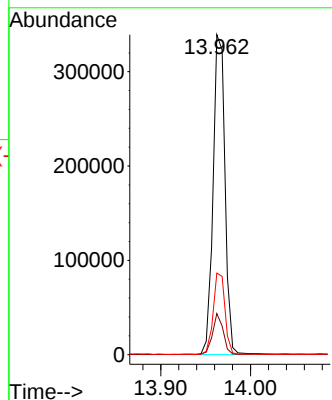
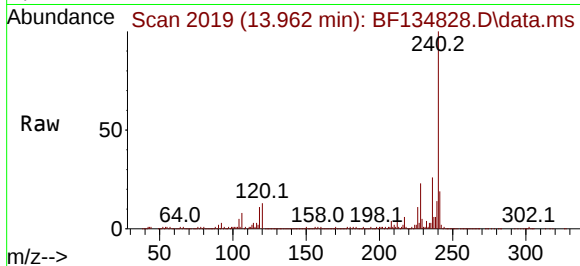
Tgt Ion:240 Resp: 312895
Ion Ratio Lower Upper
240 100
120 12.9 6.6 10.0
236 25.5 20.2 30.2

Manual Integrations

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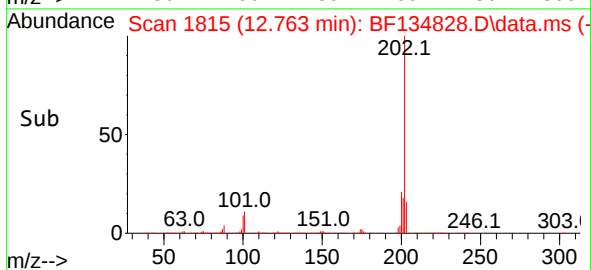
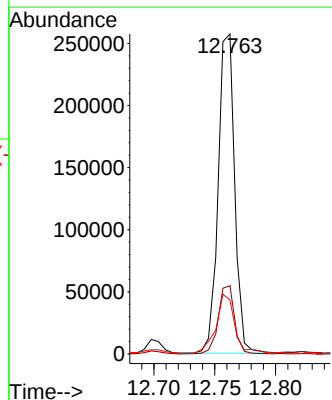
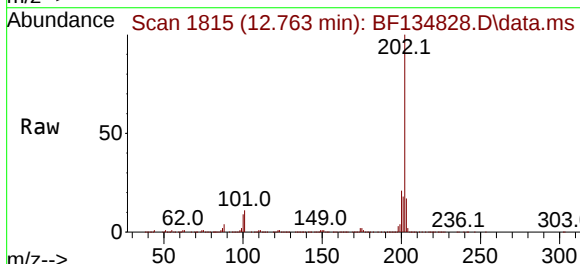
Reviewed By :Yogesh Patel 08/18/2023

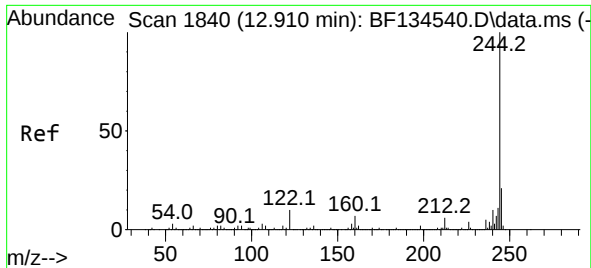
Supervised By :mohammad ahmed 08/18/2023



#78
Pyrene
Concen: 9.009 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Tgt Ion:202 Resp: 243925
Ion Ratio Lower Upper
202 100
200 21.3 15.8 23.8
203 16.9 13.5 20.3





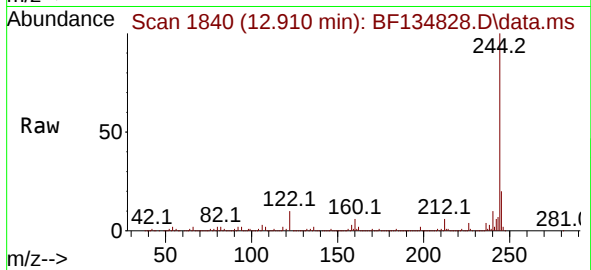
#79
 Terphenyl-d14
 Concen: 41.531 ng
 RT: 12.910 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134828.D
 Acq: 17 Aug 2023 21:05

Instrument :

BNA_F

ClientSampleId :

TP-376

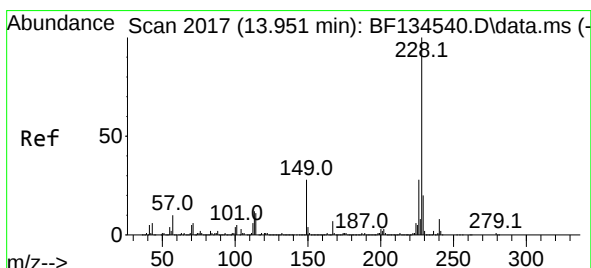
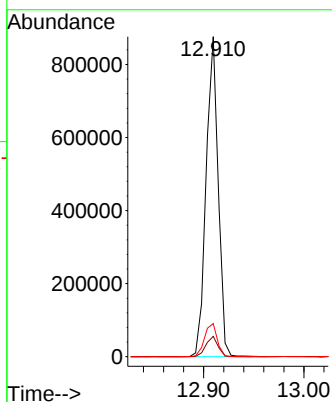
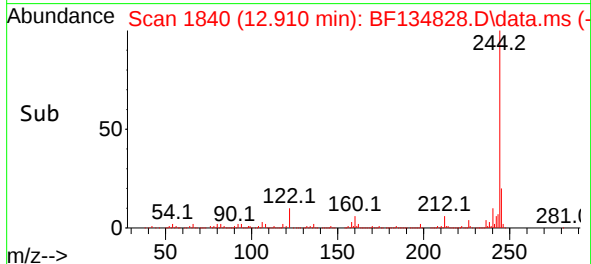


Tgt Ion:244 Resp: 73714
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.4 8.0 12.0

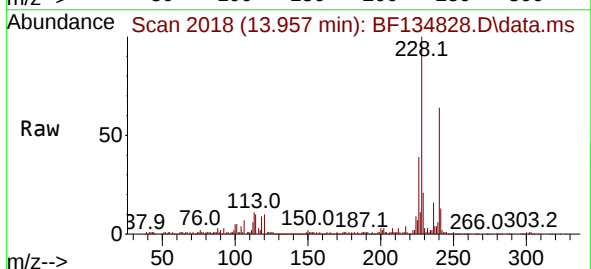
Manual Integrations

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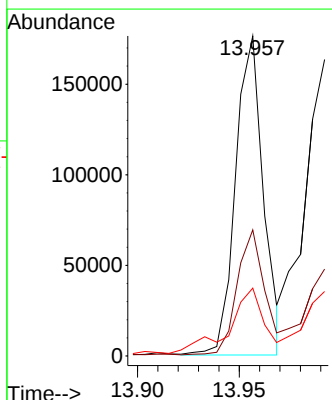
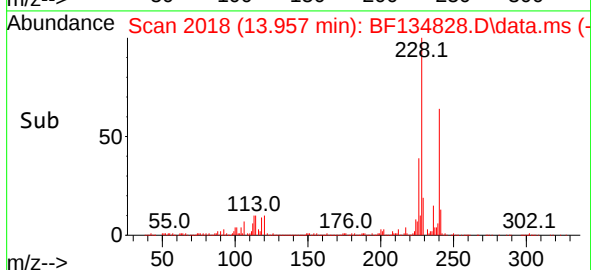
Reviewed By :Yogesh Patel 08/18/2023
 Supervised By :mohammad ahmed 08/18/2023

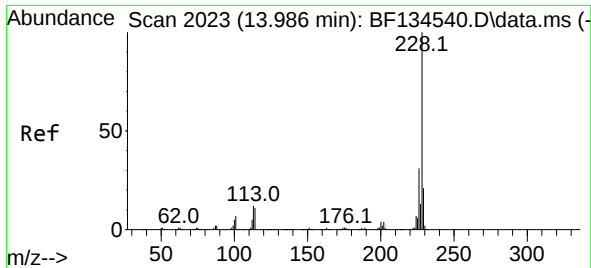


#81
 Benzo(a)anthracene
 Concen: 7.476 ng m
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF134828.D
 Acq: 17 Aug 2023 21:05



Tgt Ion:228 Resp: 167267
 Ion Ratio Lower Upper
 228 100
 226 39.4 22.3 33.5#
 229 21.2 15.8 23.6





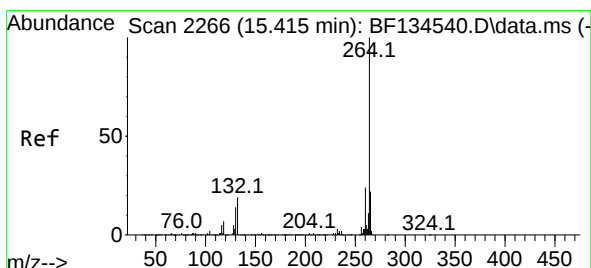
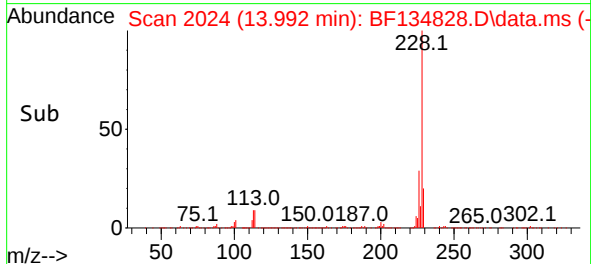
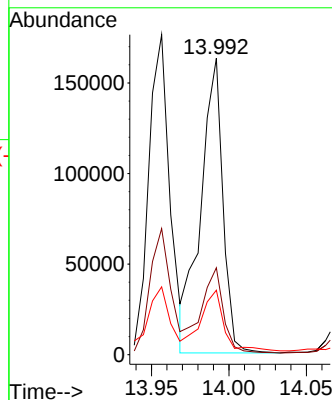
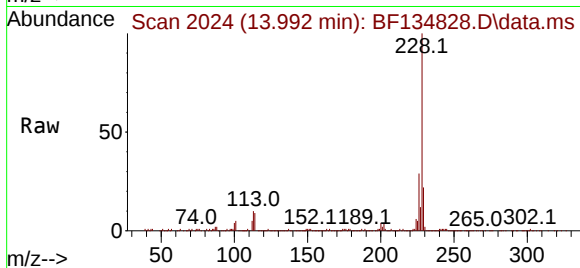
#83
Chrysene
Concen: 7.438 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Instrument :
BNA_F
ClientSampleId :
TP-376

Tgt Ion:228 Resp: 16213
Ion Ratio Lower Upper
228 100
226 29.3 24.5 36.7
229 21.7 15.8 23.8

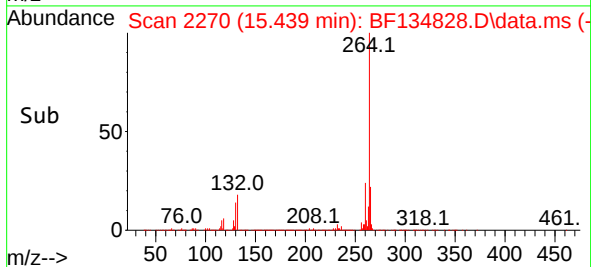
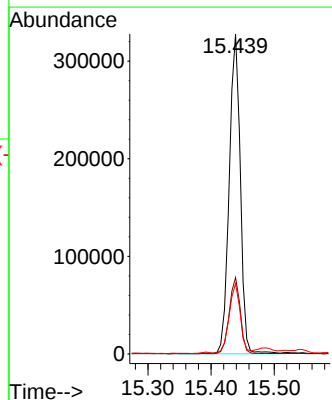
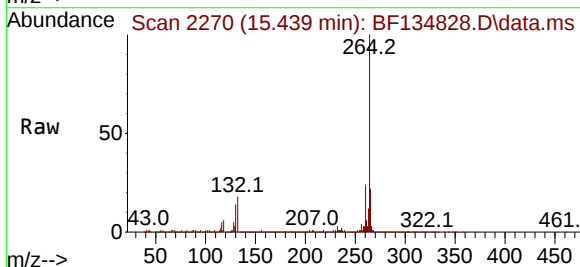
Manual Integrations
APPROVED

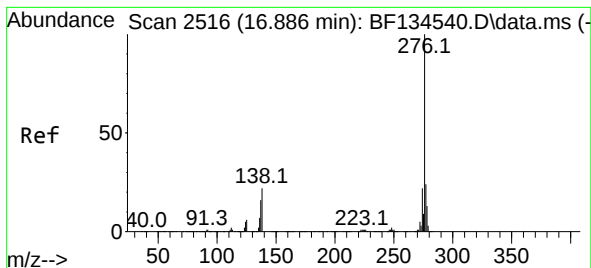
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Tgt Ion:264 Resp: 399161
Ion Ratio Lower Upper
264 100
260 23.9 18.4 27.6
265 21.9 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.203 ng

RT: 16.915 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

Instrument :

BNA_F

ClientSampleId :

TP-376

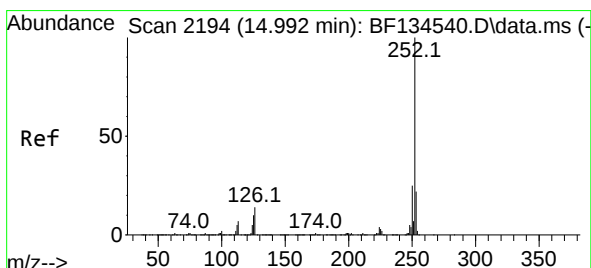
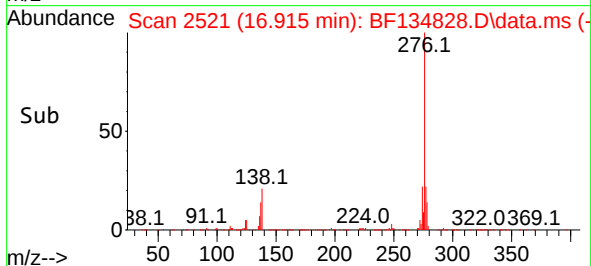
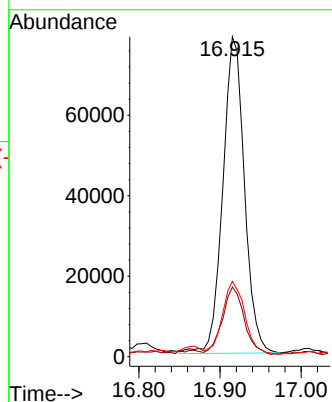
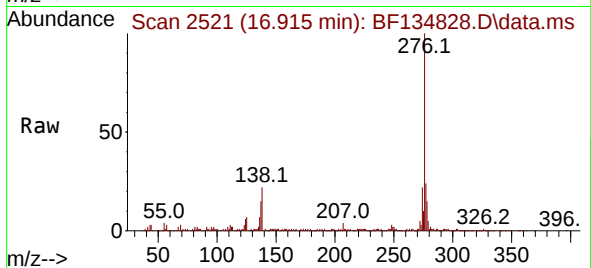
Tgt Ion:	276	Resp:	145610
Ion Ratio	Lower	Upper	
276	100		
138	21.5	14.2	21.4
277	23.6	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/18/2023

Supervised By :mohammad ahmed 08/18/2023



#88

Benzo(b)fluoranthene

Concen: 10.311 ng m

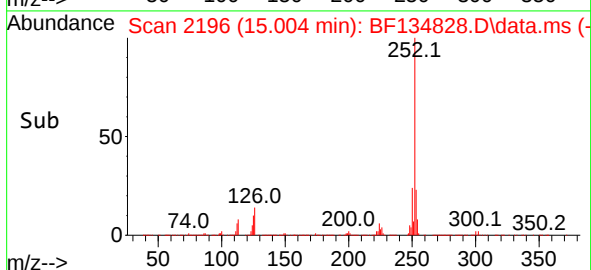
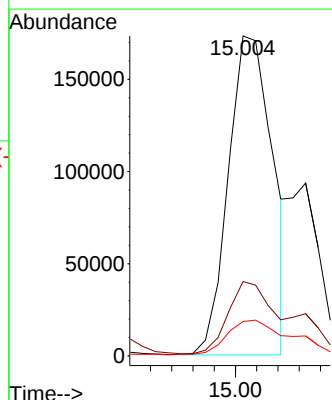
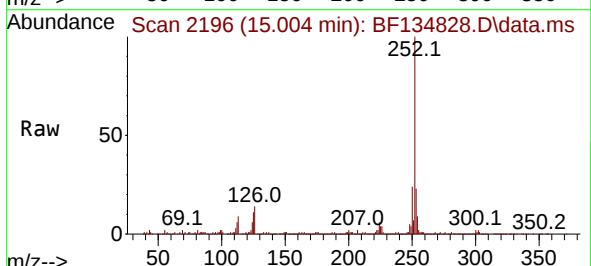
RT: 15.004 min Scan# 2196

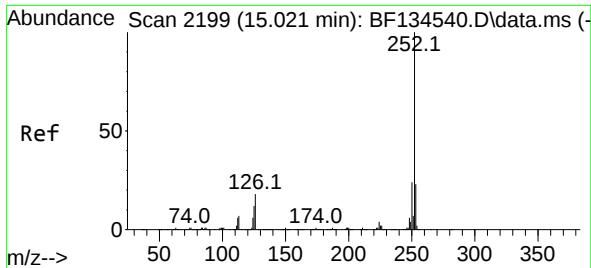
Delta R.T. -0.006 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

Tgt Ion:	252	Resp:	251025
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.3	25.9
125	10.7	6.0	9.0





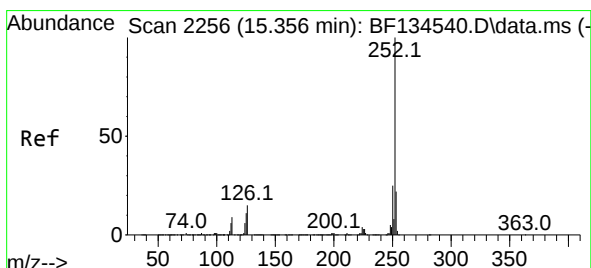
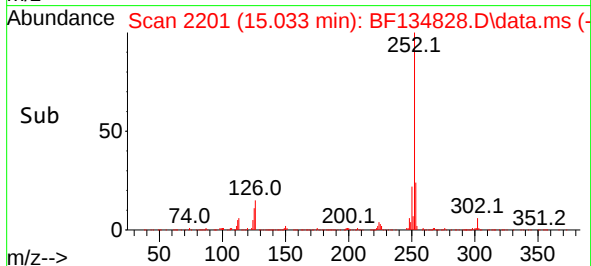
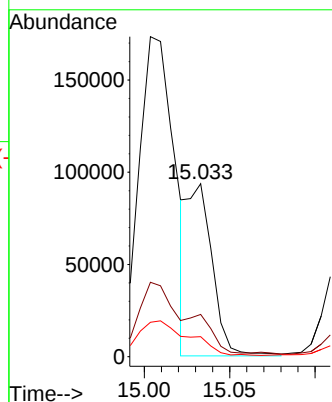
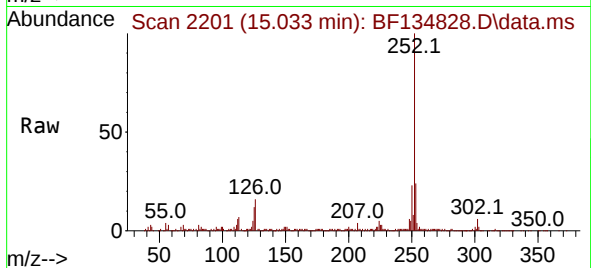
#89
Benzo(k)fluoranthene
Concen: 3.876 ng m
RT: 15.033 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Instrument :
BNA_F
ClientSampleId :
TP-376

Tgt Ion:252 Resp: 9398
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 11.5 6.3 9.5

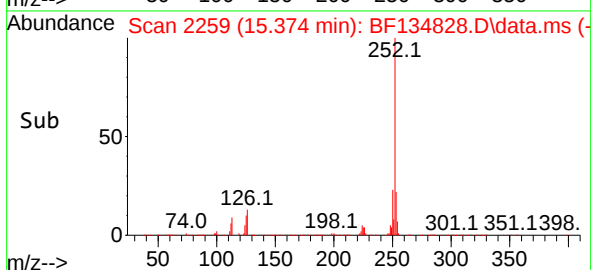
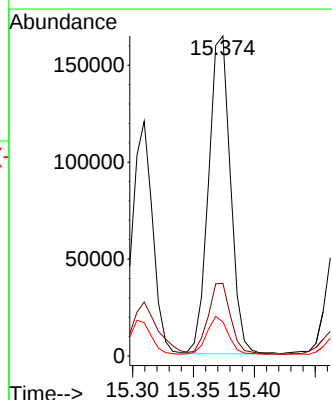
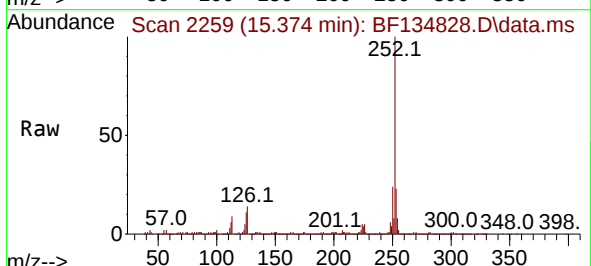
Manual Integrations
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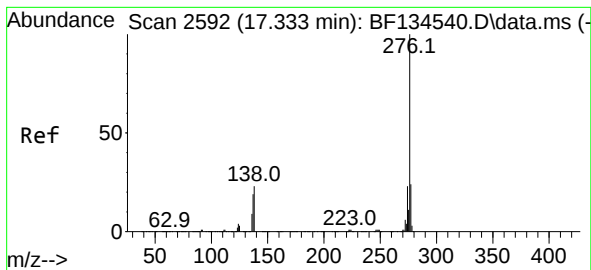
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#90
Benzo(a)pyrene
Concen: 9.049 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Tgt Ion:252 Resp: 205392
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 10.7 6.2 9.4





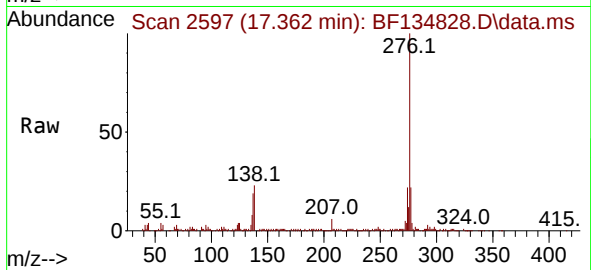
#92
 Benzo(g,h,i)perylene
 Concen: 7.121 ng
 RT: 17.362 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF134828.D
 Acq: 17 Aug 2023 21:05

Instrument :

BNA_F

ClientSampleId :

TP-376



Tgt Ion:276 Resp: 137810
 Ion Ratio Lower Upper
 276 100
 277 22.3 19.0 28.6
 138 22.5 12.2 18.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/18/2023

Supervised By :mohammad ahmed 08/18/2023

