

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134801.D
 Acq On : 16 Aug 2023 11:01
 Operator : CG\JU
 Sample : 04003-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081423

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023

Quant Time: Aug 17 01:30:38 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	6.798	152	179545	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	648165	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	275100	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	427034	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	311309	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	238425	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	632277	53.531	ng	0.00
7) Phenol-d6	6.434	99	761651	50.445	ng	0.00
23) Nitrobenzene-d5	7.357	82	451843	43.564	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	146100	52.097	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	739355	44.686	ng	0.00
79) Terphenyl-d14	12.916	244	685015	38.791	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	50034	2.206	ng	97
75) Fluoranthene	12.539	202	187325	7.818	ng	96
78) Pyrene	12.769	202	161826	6.007	ng	99
81) Benzo(a)anthracene	13.963	228	72929	3.276	ng	97
83) Chrysene	13.998	228	64322m	2.966	ng	
88) Benzo(b)fluoranthene	15.015	252	66494m	4.573	ng	
90) Benzo(a)pyrene	15.380	252	42183	3.111	ng	# 86
92) Benzo(g,h,i)perylene	17.386	276	23811	2.060	ng	# 89

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

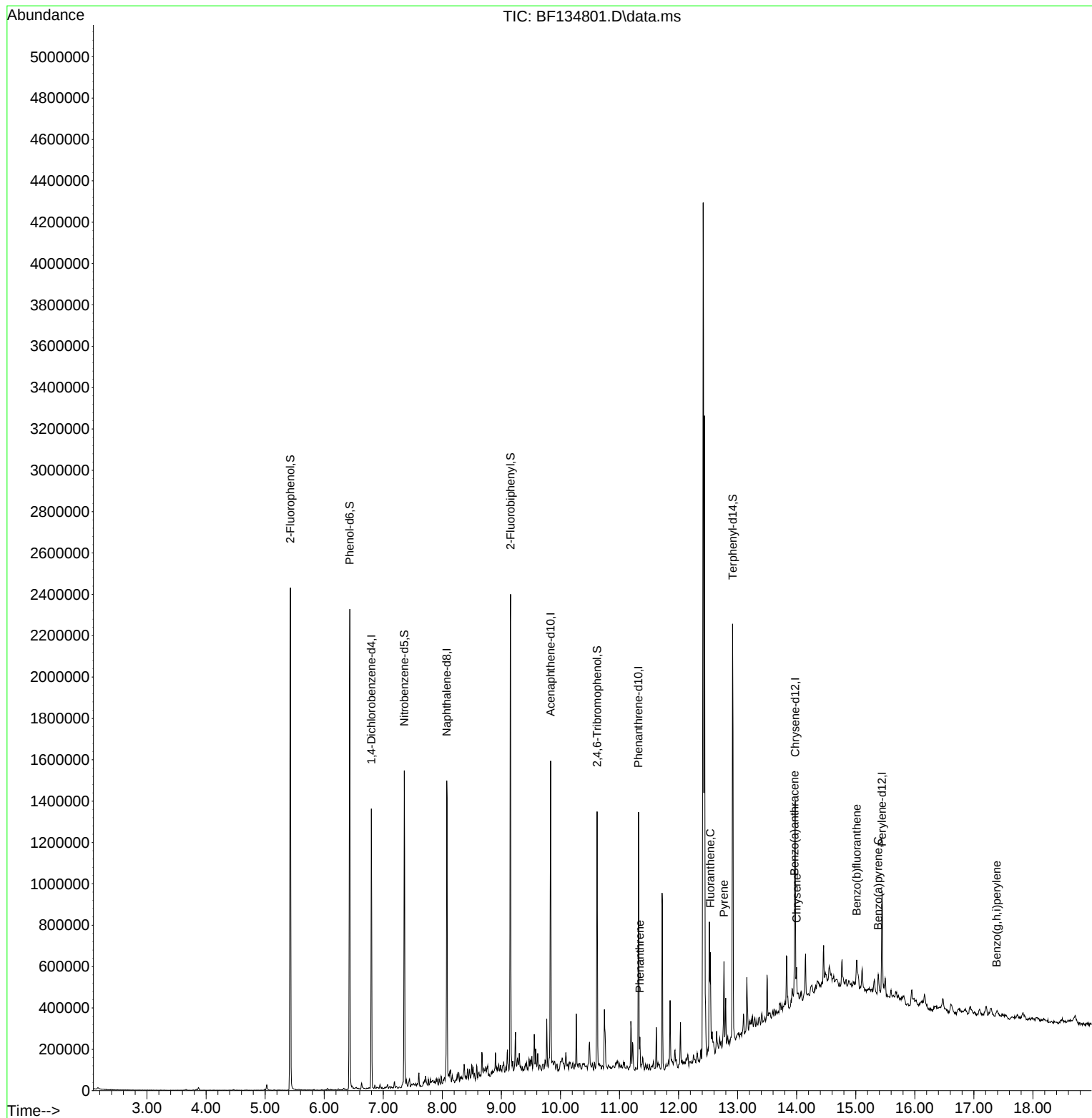
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
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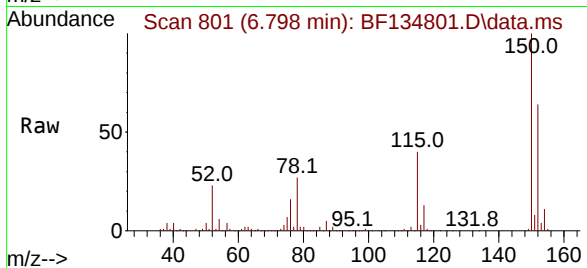
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

TR-05-081423

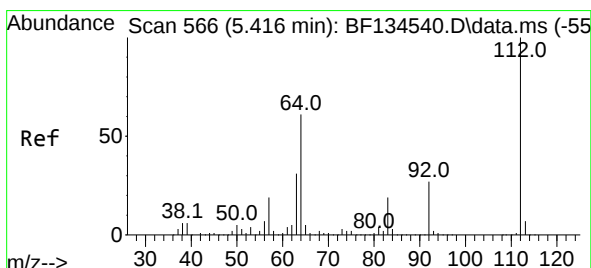
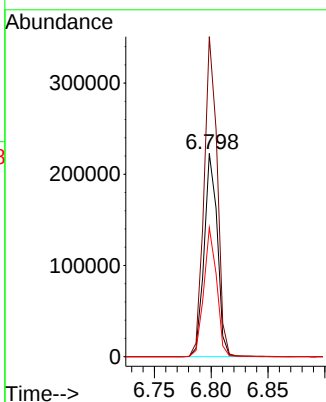
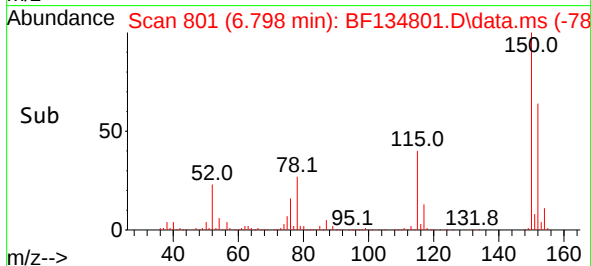


Tgt Ion:152 Resp: 179549
Ion Ratio Lower Upper
152 100
150 157.4 128.3 192.5
115 63.5 52.4 78.6

Manual Integrations

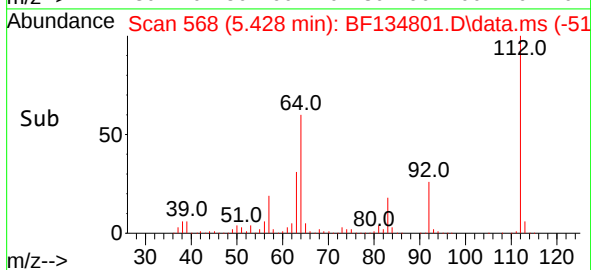
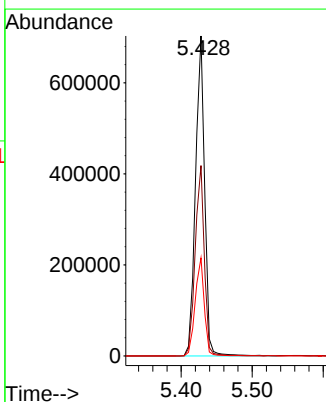
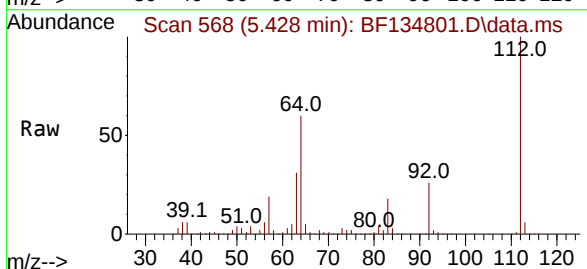
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#5
2-Fluorophenol
Concen: 53.531 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

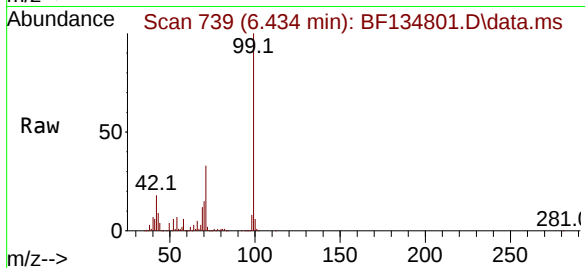
Tgt Ion:112 Resp: 632277
Ion Ratio Lower Upper
112 100
64 59.5 44.9 67.3
63 30.6 25.4 38.0





#7
Phenol-d6
Concen: 50.445 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

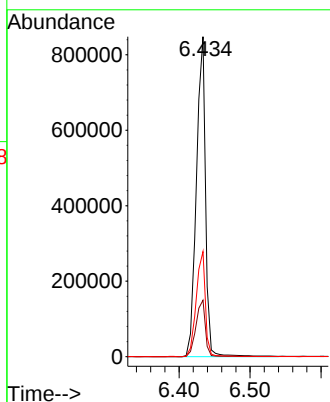
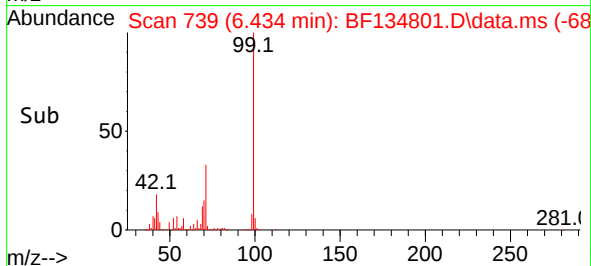
Instrument :
BNA_F
ClientSampleId :
TR-05-081423



Tgt Ion: 99 Resp: 76165
Ion Ratio Lower Upper
99 100
42 17.7 18.7 28.1
71 32.9 36.4 54.6

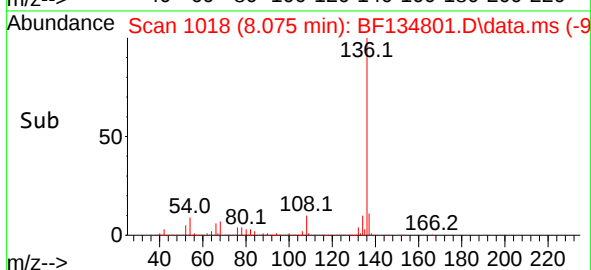
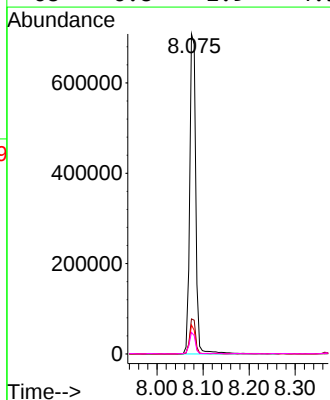
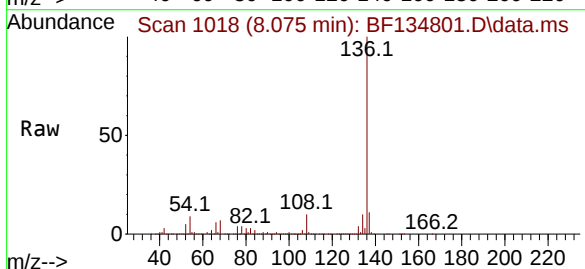
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Tgt Ion:136 Resp: 648165
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 9.0 5.2 7.8#
68 6.8 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 43.564 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134801.D

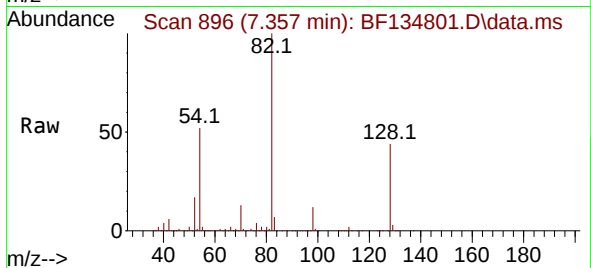
Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

TR-05-081423

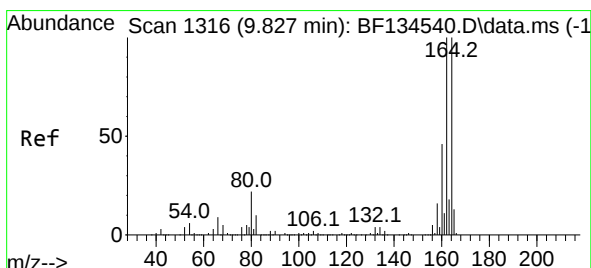
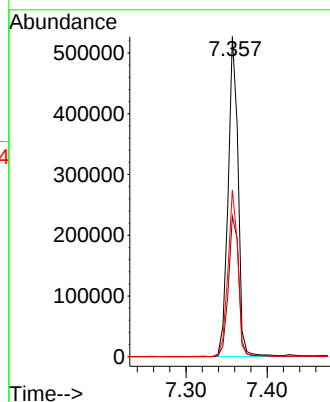
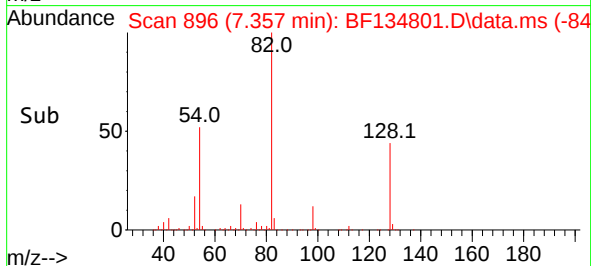


Tgt Ion: 82 Resp: 45184

Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.3	51.5
54	52.1	43.8	65.6

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Supervised By :mohammad ahmed 08/17/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1317

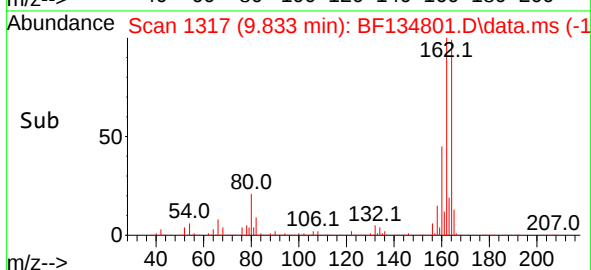
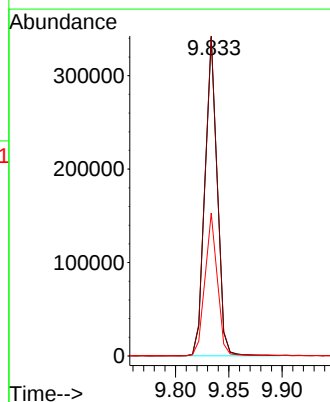
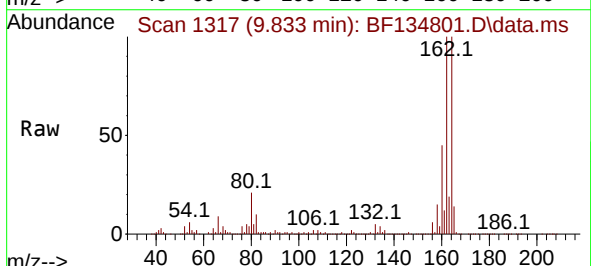
Delta R.T. 0.000 min

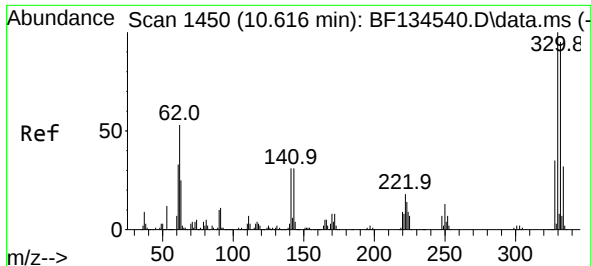
Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Tgt Ion:164 Resp: 275100

Ion	Ratio	Lower	Upper
164	100		
162	100.5	82.6	123.8
160	44.9	37.2	55.8





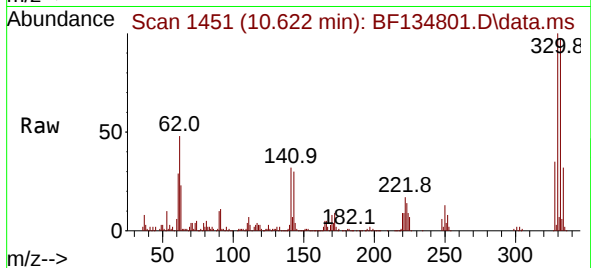
#42
2,4,6-Tribromophenol
Concen: 52.097 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

TR-05-081423



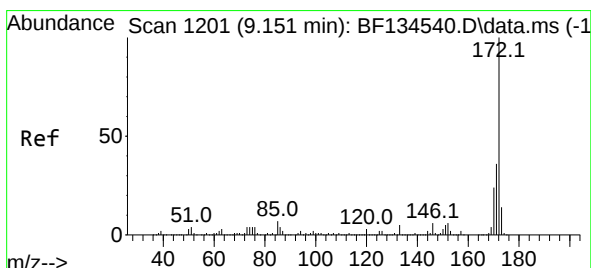
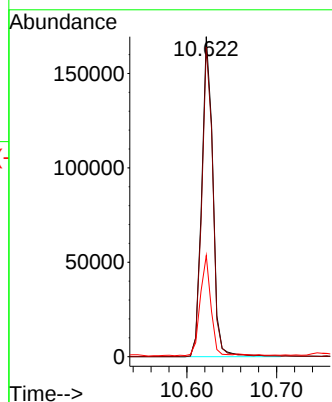
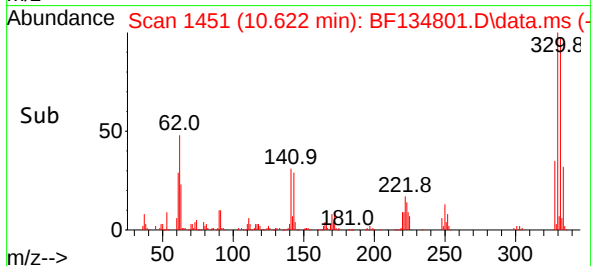
Tgt Ion:330 Resp: 146100
Ion Ratio Lower Upper
330 100
332 96.8 78.8 118.2
141 29.8 25.4 38.2

Manual Integrations

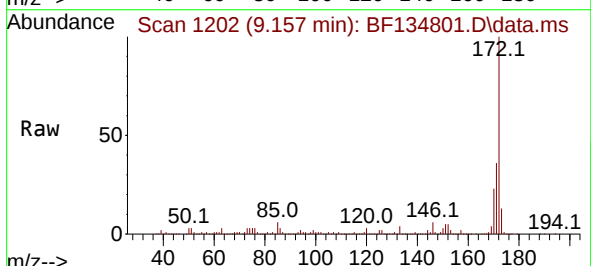
APPROVED

Reviewed By :Yogesh Patel 08/17/2023

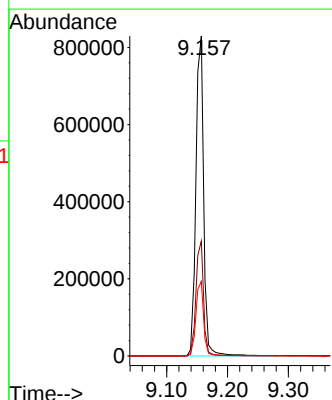
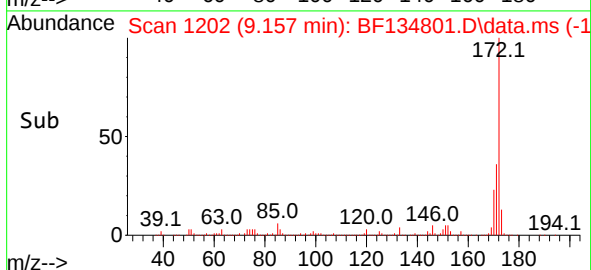
Supervised By :mohammad ahmed 08/17/2023

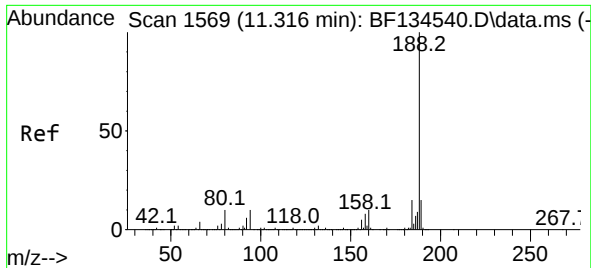


#45
2-Fluorobiphenyl
Concen: 44.686 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01



Tgt Ion:172 Resp: 739355
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.3 18.7 28.1





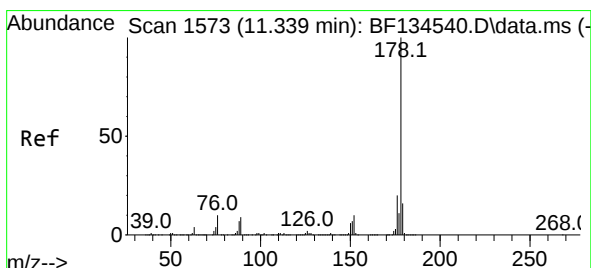
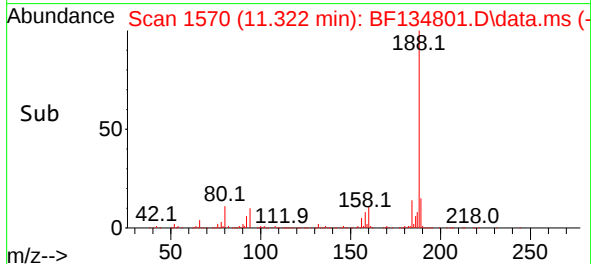
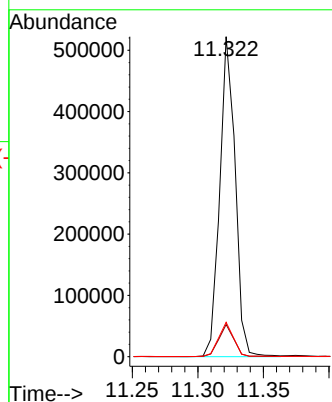
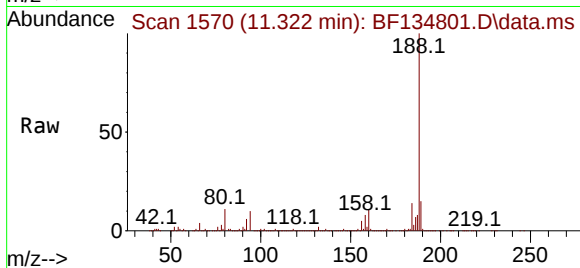
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Instrument :
BNA_F
ClientSampleId :
TR-05-081423

Tgt Ion:188 Resp: 427034
Ion Ratio Lower Upper
188 100
94 10.1 5.1 7.7
80 10.7 6.6 9.8

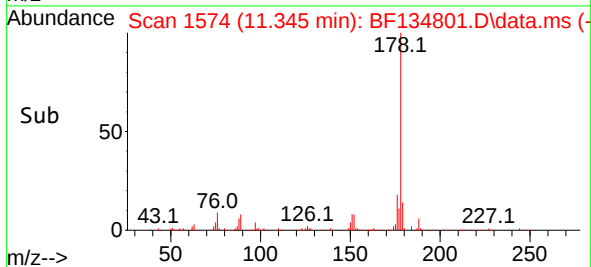
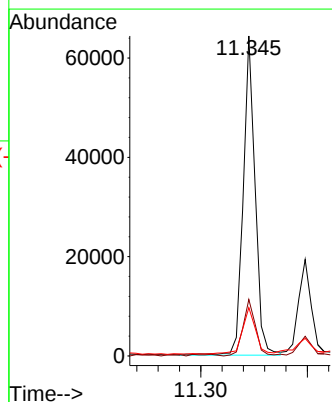
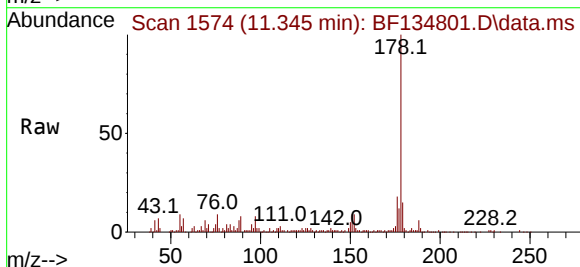
Manual Integrations
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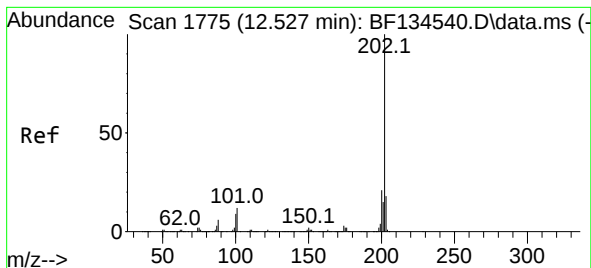
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#71
Phenanthrene
Concen: 2.206 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Tgt Ion:178 Resp: 50034
Ion Ratio Lower Upper
178 100
176 17.7 15.8 23.6
179 15.1 12.7 19.1





#75

Fluoranthene

Concen: 7.818 ng

RT: 12.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

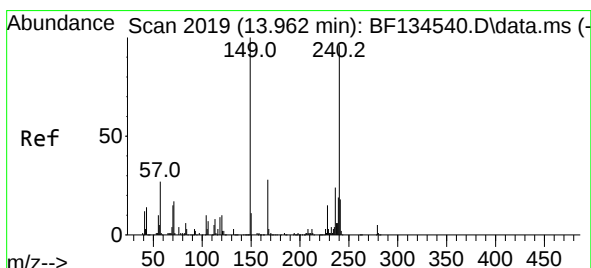
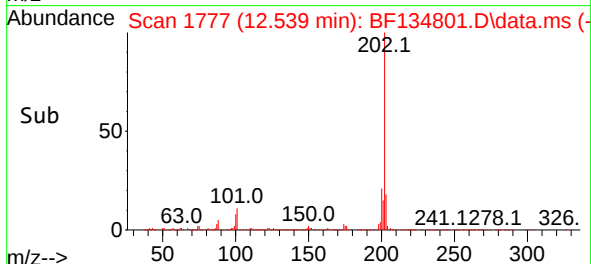
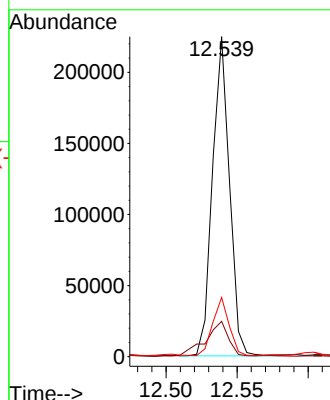
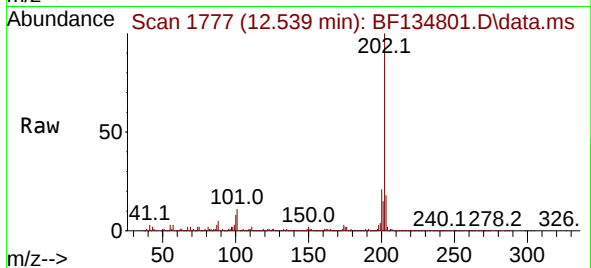
TR-05-081423

Tgt Ion:202 Resp: 187325
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 28.5
 203 18.5 0.0 37.5

Manual Integrations

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Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023



#76

Chrysene-d12

Concen: 20.000 ng

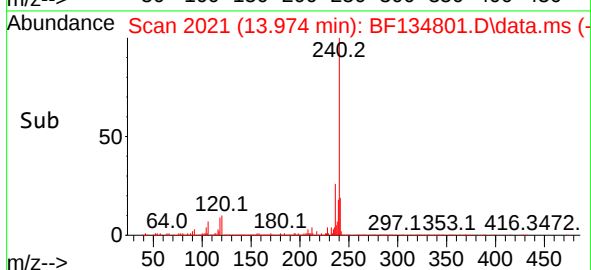
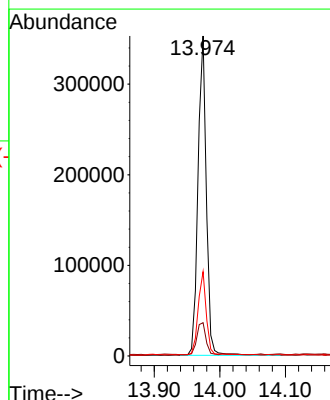
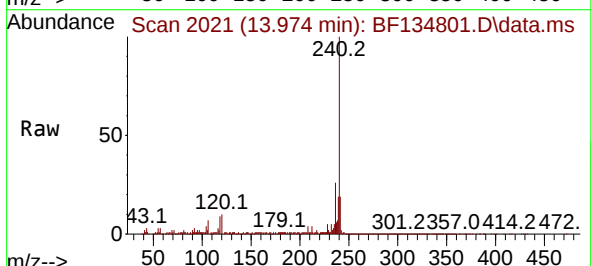
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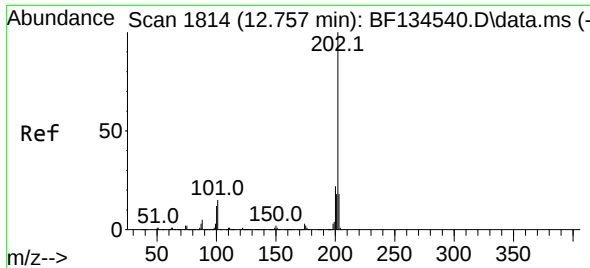
Delta R.T. 0.000 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Tgt Ion:240 Resp: 311309
 Ion Ratio Lower Upper
 240 100
 120 10.4 6.6 10.0#
 236 26.4 20.2 30.2





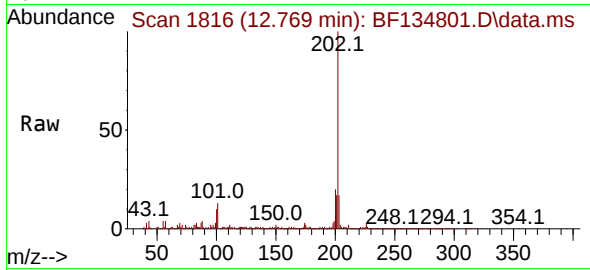
#78
Pyrene
Concen: 6.007 ng
RT: 12.769 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

TR-05-081423

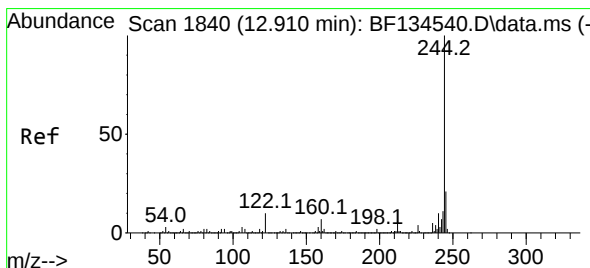
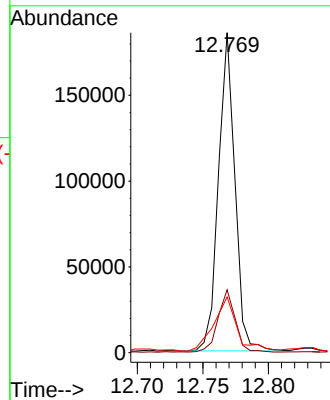
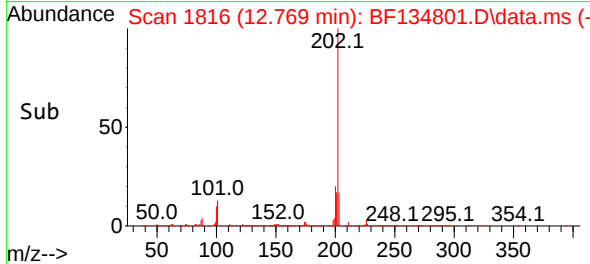


Tgt Ion:202 Resp: 161820
Ion Ratio Lower Upper
202 100
200 19.7 15.8 23.8
203 17.4 13.5 20.3

Manual Integrations

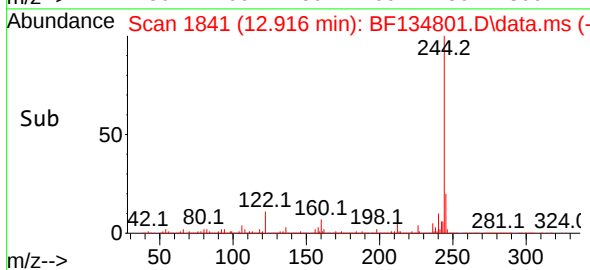
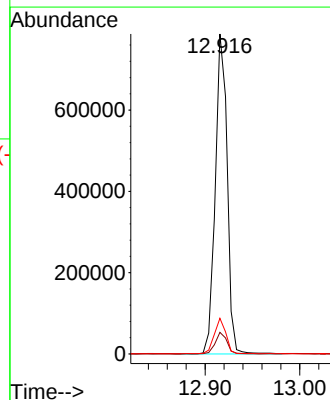
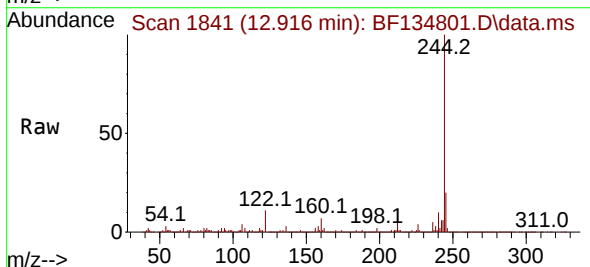
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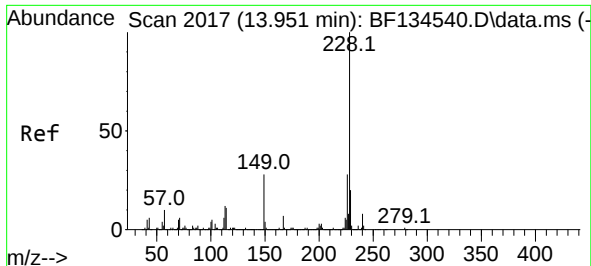
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#79
Terphenyl-d14
Concen: 38.791 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Tgt Ion:244 Resp: 685015
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 11.2 8.0 12.0





#81
Benzo(a)anthracene
Concen: 3.276 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Instrument :

BNF

ClientSampleId :

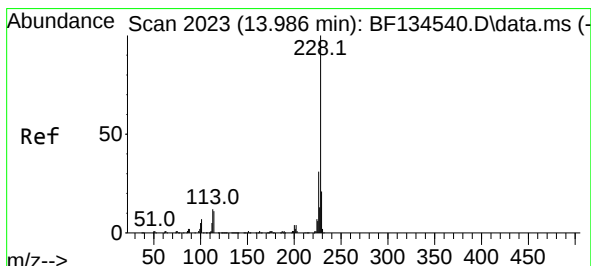
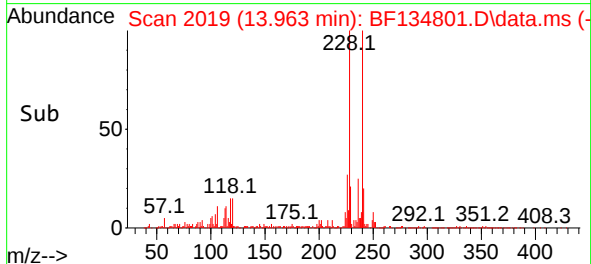
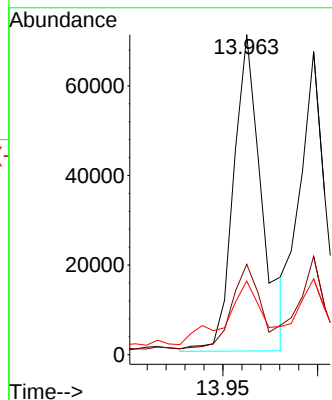
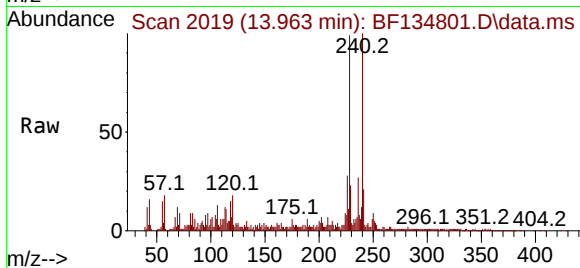
TR-05-081423

Tgt Ion:228 Resp: 72929
Ion Ratio Lower Upper
228 100
226 28.2 22.3 33.5
229 23.0 15.8 23.6

Manual Integrations

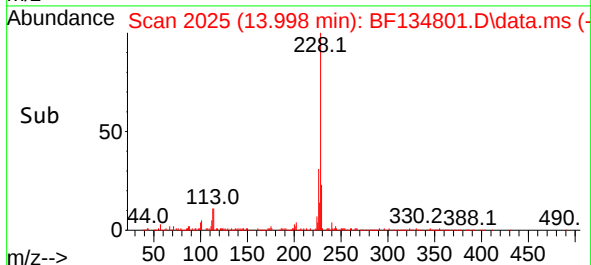
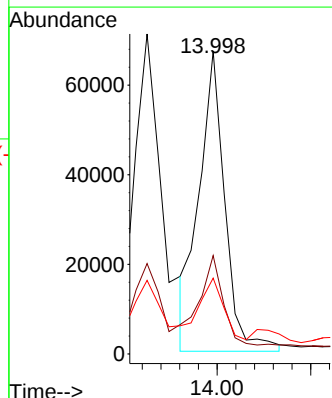
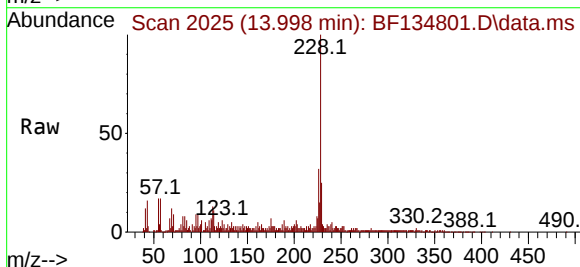
APPROVED

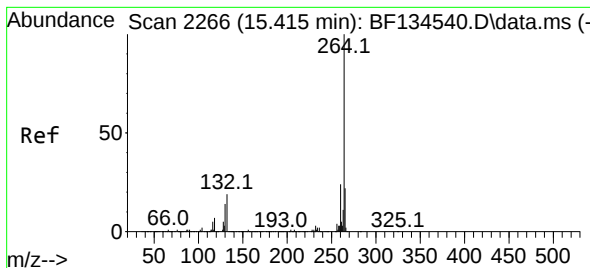
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#83
Chrysene
Concen: 2.966 ng m
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Tgt Ion:228 Resp: 64322
Ion Ratio Lower Upper
228 100
226 32.5 24.5 36.7
229 25.1 15.8 23.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Instrument :

BNF

ClientSampleId :

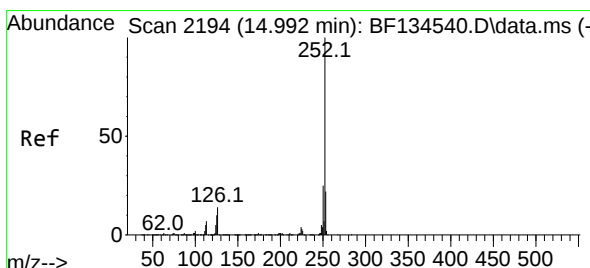
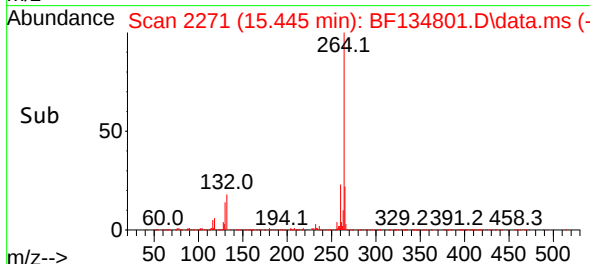
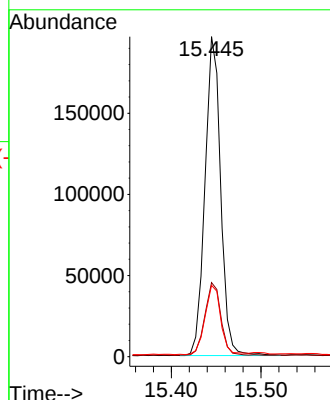
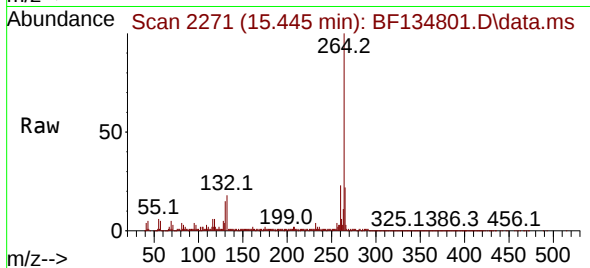
TR-05-081423

Tgt Ion:264 Resp: 238425
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.4 27.6
 265 22.3 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023



#88

Benzo(b)fluoranthene

Concen: 4.573 ng m

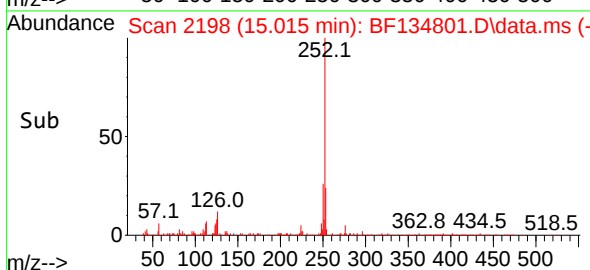
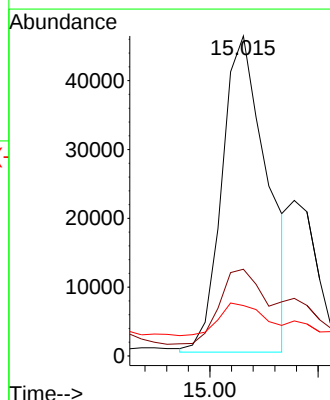
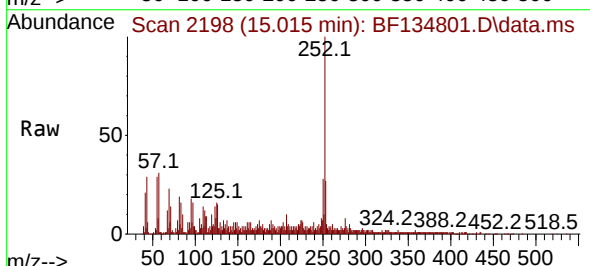
RT: 15.015 min Scan# 2198

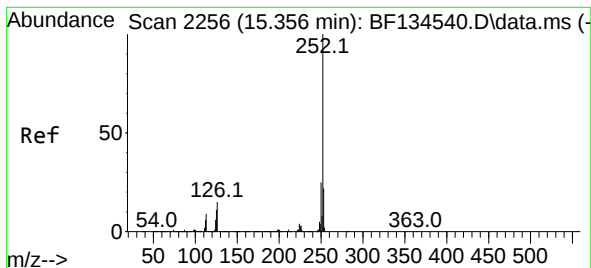
Delta R.T. 0.006 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Tgt Ion:252 Resp: 66494
 Ion Ratio Lower Upper
 252 100
 253 27.1 17.3 25.9#
 125 15.7 6.0 9.0#





#90

Benzo(a)pyrene

Concen: 3.111 ng

RT: 15.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

TR-05-081423

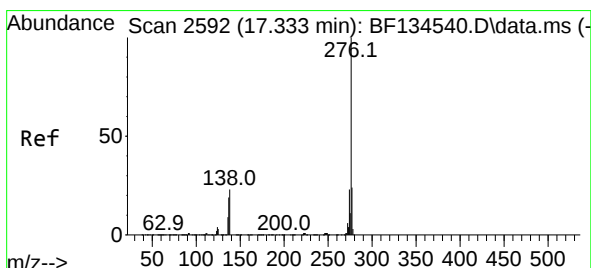
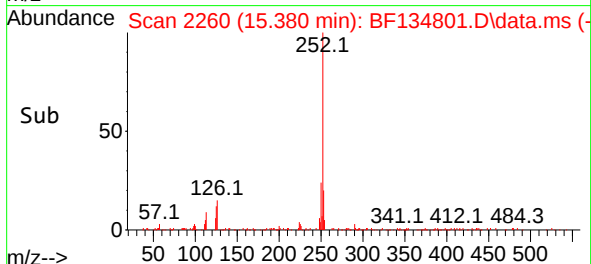
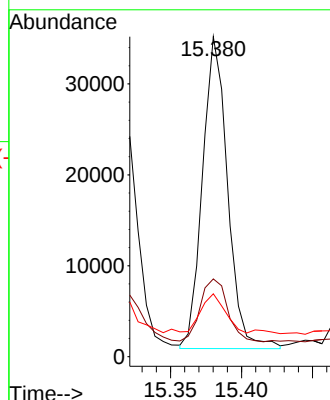
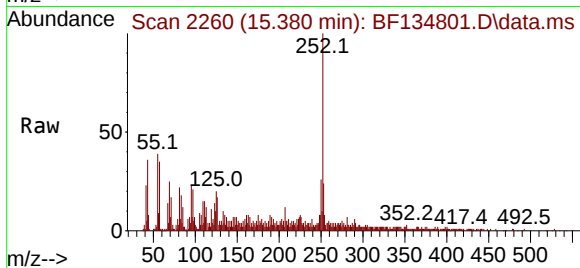
Tgt Ion:	252	Resp:	4218
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.0	25.4
125	19.7	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#92

Benzo(g,h,i)perylene

Concen: 2.060 ng

RT: 17.386 min Scan# 2601

Delta R.T. 0.012 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Tgt Ion:	276	Resp:	23811
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.0	28.6
138	25.8	12.2	18.2

