

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081723\
 Data File : BF134825.D
 Acq On : 17 Aug 2023 19:29
 Operator : CG\JU
 Sample : 04045-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB21200

Manual Integrations
 APPROVED

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

Quant Time: Aug 18 01:07:40 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	138133	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	550960	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	263217	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	435254	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	291054	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	371800	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	752484	82.808	ng	0.00
7) Phenol-d6	6.428	99	950882	81.859	ng	-0.01
23) Nitrobenzene-d5	7.351	82	589602	66.876	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	240155	89.502	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1050779	66.376	ng	-0.01
79) Terphenyl-d14	12.910	244	864094	52.337	ng	-0.01
Target Compounds						Qvalue
70) Pentachlorophenol	11.116	266	6344	2.036	ng	93
71) Phenanthrene	11.339	178	58962	2.550	ng	98
75) Fluoranthene	12.533	202	119186	4.881	ng	98
78) Pyrene	12.762	202	96982	3.851	ng	98
81) Benzo(a)anthracene	13.957	228	49789	2.392	ng	98
83) Chrysene	13.992	228	62113	3.063	ng	96
87) Indeno(1,2,3-cd)pyrene	16.915	276	44154	2.019	ng	# 93
88) Benzo(b)fluoranthene	15.004	252	103418m	4.561	ng	
90) Benzo(a)pyrene	15.368	252	53554	2.533	ng	# 95
92) Benzo(g,h,i)perylene	17.362	276	40308	2.236	ng	# 93

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

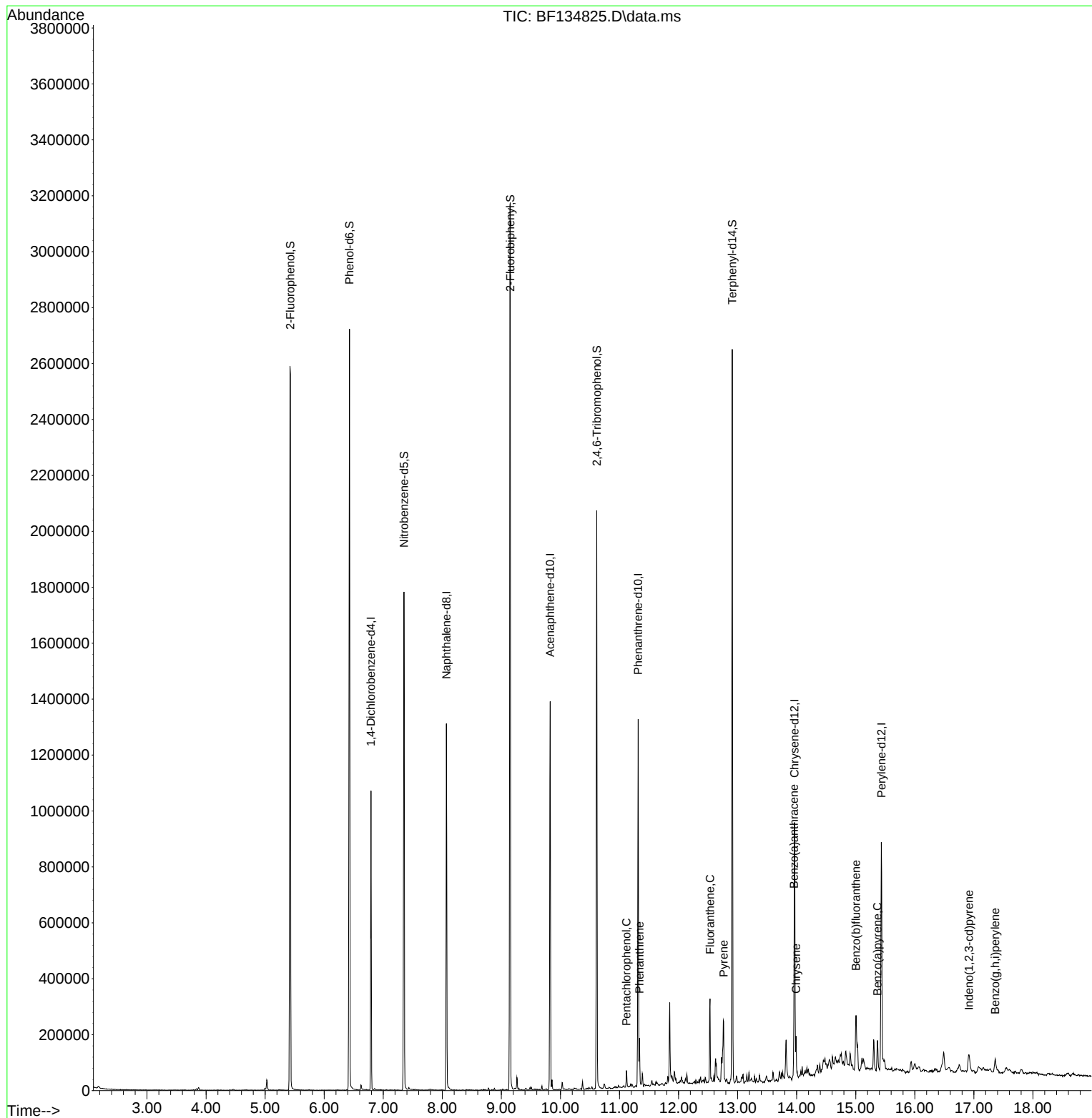
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081723\
Data File : BF134825.D
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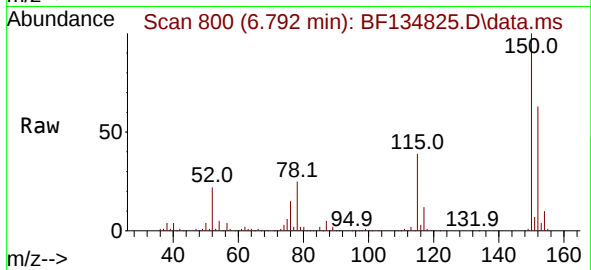
Quant Time: Aug 18 01:07:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

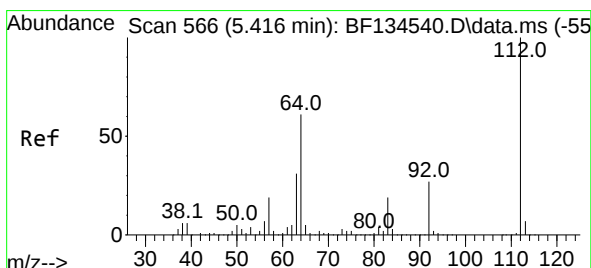
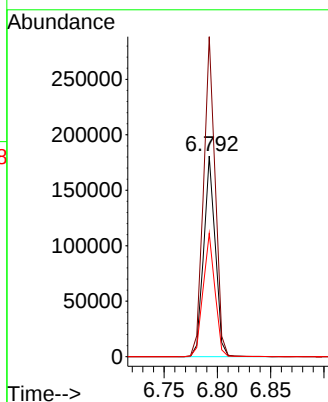
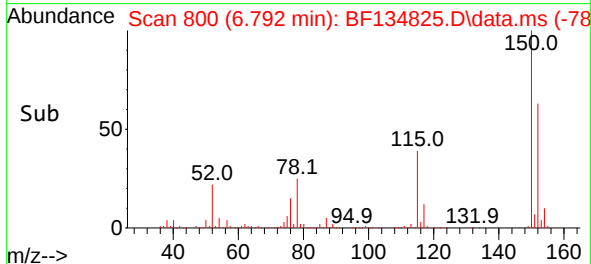
Instrument :
BNA_F
ClientSampleId :
RB21200



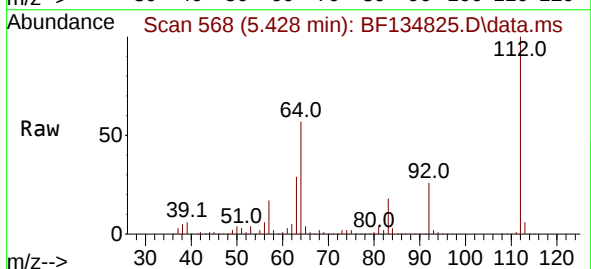
Tgt Ion:152 Resp: 138133
Ion Ratio Lower Upper
152 100
150 159.5 128.3 192.5
115 61.5 52.4 78.6

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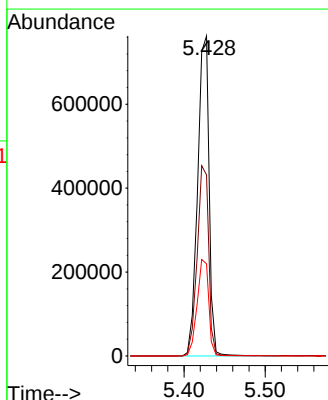
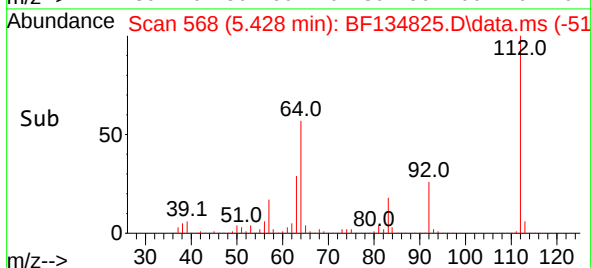
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023

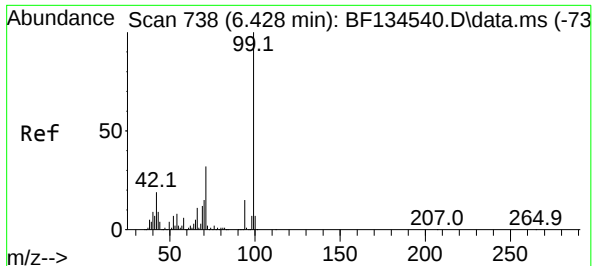


#5
2-Fluorophenol
Concen: 82.808 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29



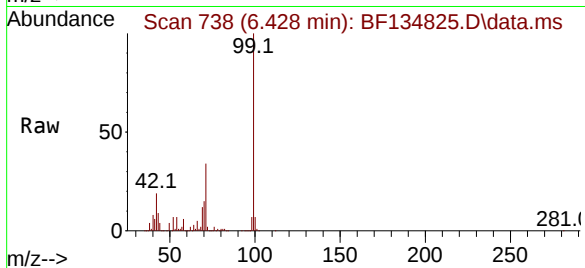
Tgt Ion:112 Resp: 752484
Ion Ratio Lower Upper
112 100
64 56.6 44.9 67.3
63 28.8 25.4 38.0





#7
Phenol-d6
Concen: 81.859 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

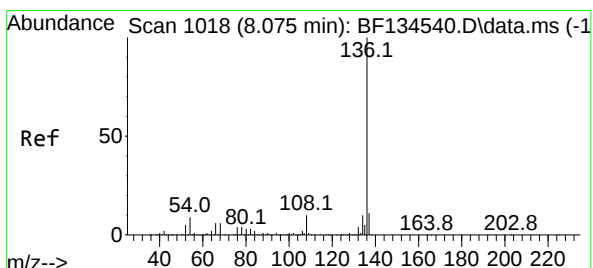
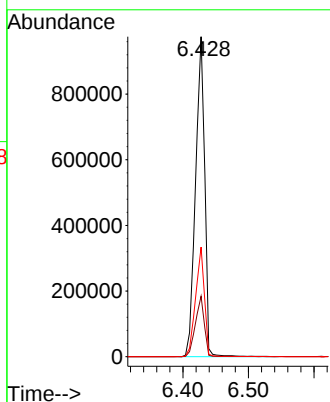
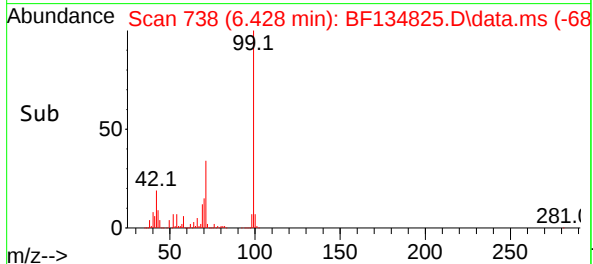
Instrument :
BNA_F
ClientSampleId :
RB21200



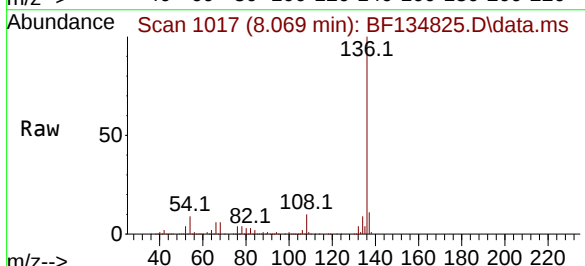
Tgt Ion: 99 Resp: 95088
Ion Ratio Lower Upper
99 100
42 18.9 18.7 28.1
71 34.3 36.4 54.6

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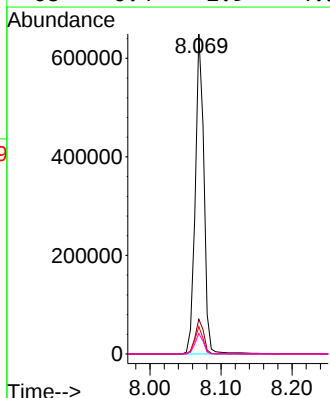
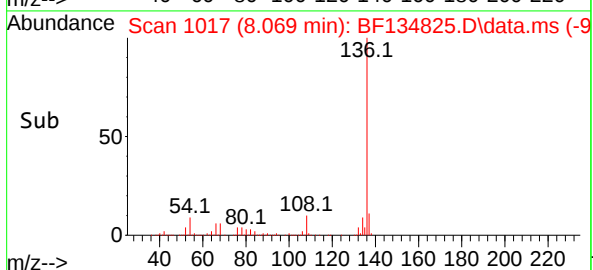
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29



Tgt Ion:136 Resp: 550960
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.6 5.2 7.8#
68 6.4 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 66.876 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF134825.D

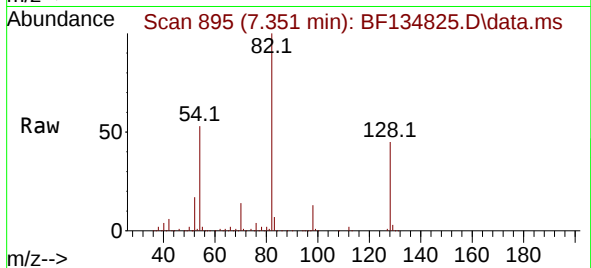
Acq: 17 Aug 2023 19:29

Instrument :

BNA_F

ClientSampleId :

RB21200



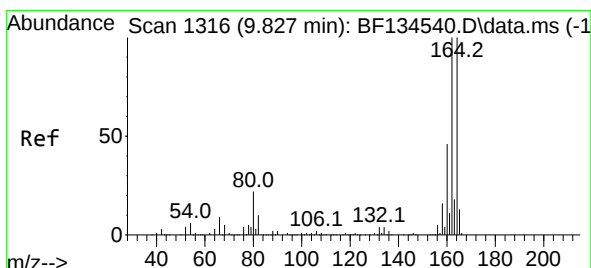
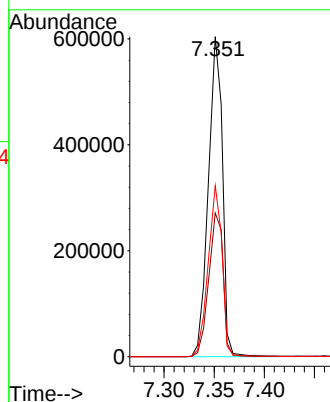
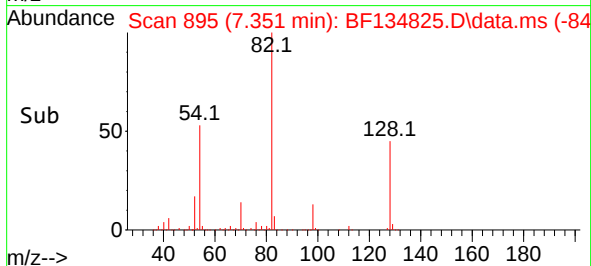
Tgt Ion:	82	Resp:	58960
Ion Ratio	Lower	Upper	
82	100		
128	44.9	34.3	51.5
54	53.4	43.8	65.6

Manual Integrations

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Supervised By :mohammad ahmed 08/18/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

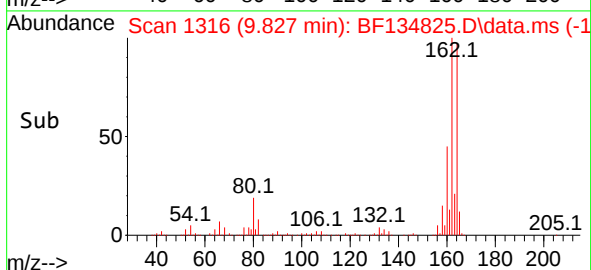
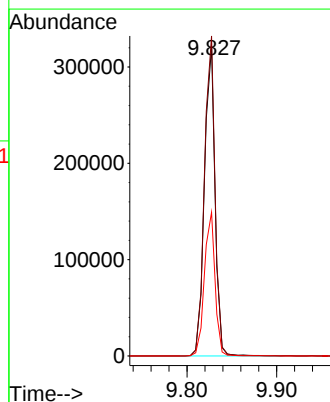
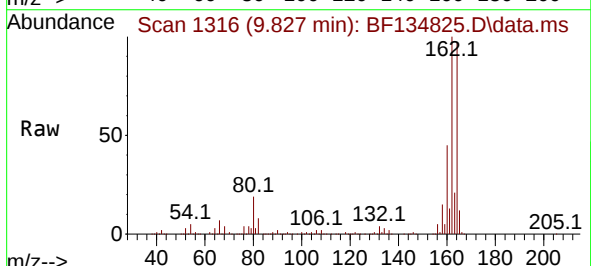
RT: 9.827 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF134825.D

Acq: 17 Aug 2023 19:29

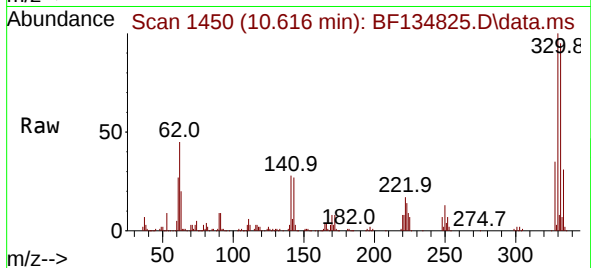
Tgt Ion:	164	Resp:	263217
Ion Ratio	Lower	Upper	
164	100		
162	103.4	82.6	123.8
160	46.4	37.2	55.8





#42
2,4,6-Tribromophenol
Concen: 89.502 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

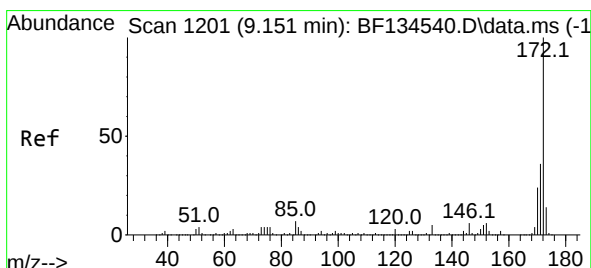
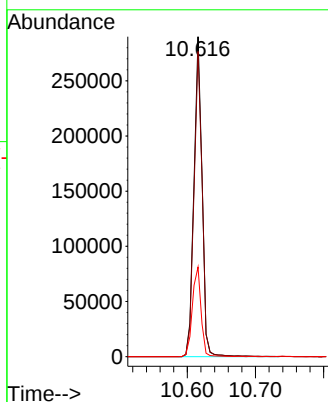
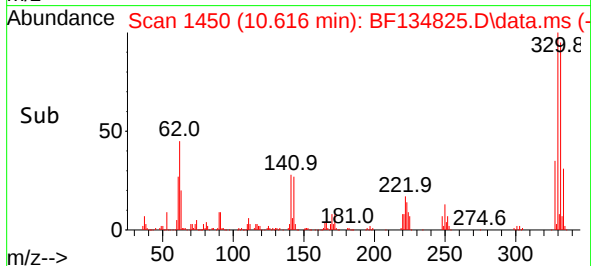
Instrument :
BNA_F
ClientSampleId :
RB21200



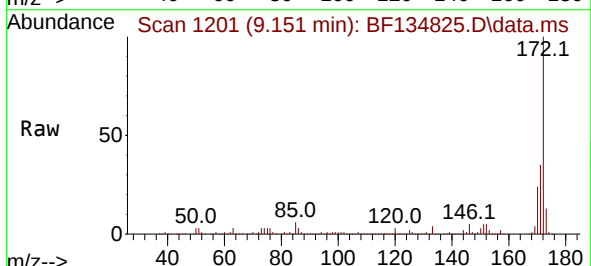
Tgt Ion: 330 Resp: 24015
Ion Ratio Lower Upper
330 100
332 96.5 78.8 118.2
141 29.9 25.4 38.2

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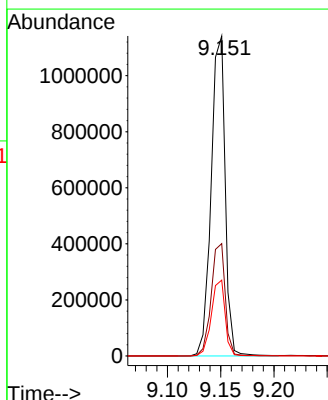
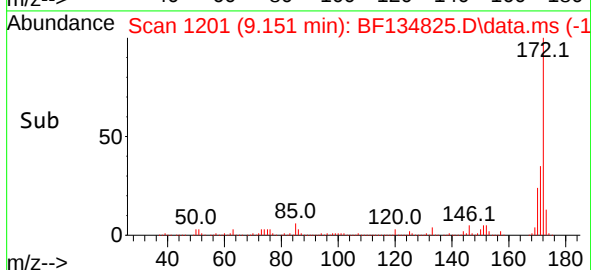
Reviewed By : Yogesh Patel 08/18/2023
Supervised By : mohammad ahmed 08/18/2023



#45
2-Fluorobiphenyl
Concen: 66.376 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29



Tgt Ion: 172 Resp: 1050779
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.7 18.7 28.1





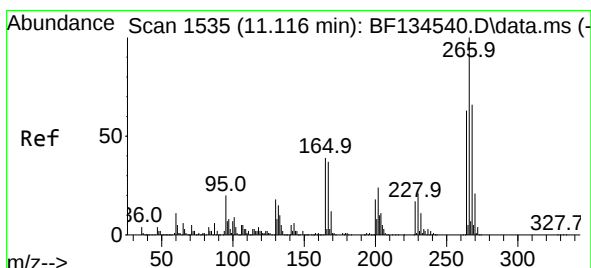
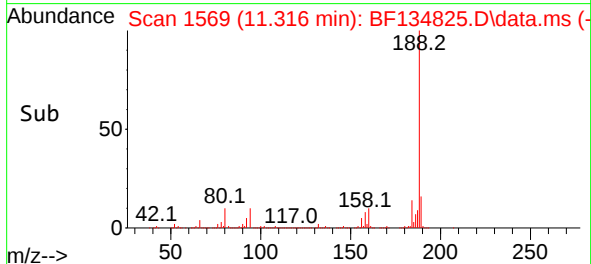
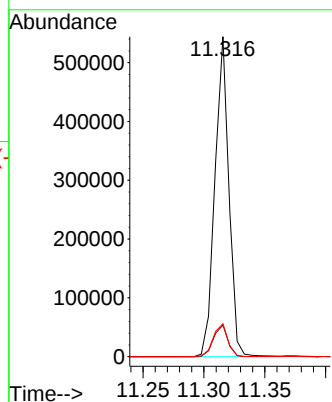
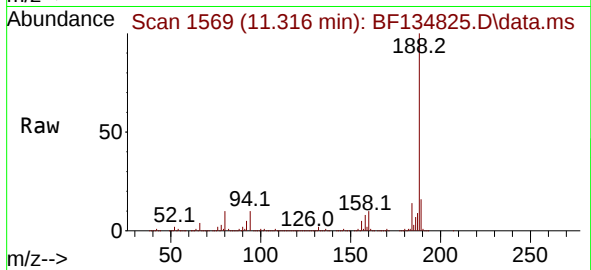
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Instrument :
BNA_F
ClientSampleId :
RB21200

Tgt Ion:188 Resp: 435254
Ion Ratio Lower Upper
188 100
94 9.9 5.1 7.7
80 10.3 6.6 9.8

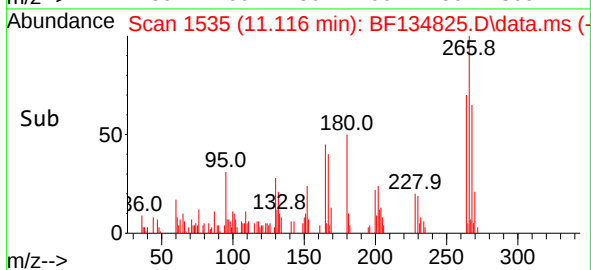
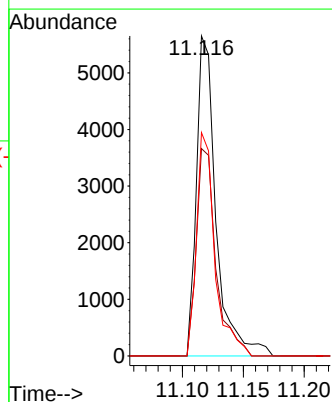
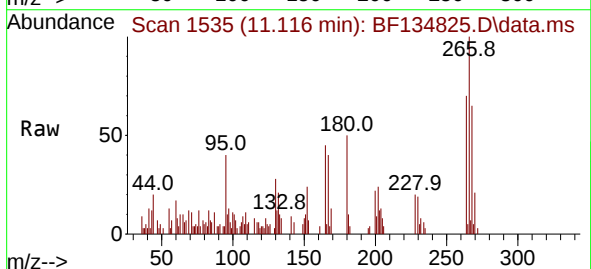
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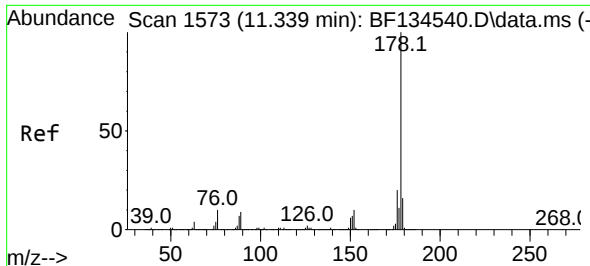
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#70
Pentachlorophenol
Concen: 2.036 ng
RT: 11.116 min Scan# 1535
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Tgt Ion:266 Resp: 6344
Ion Ratio Lower Upper
266 100
268 64.8 52.9 79.3
264 69.8 47.8 71.6





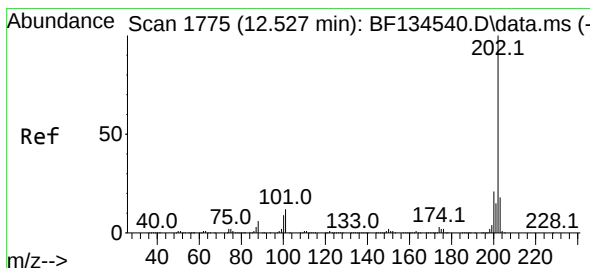
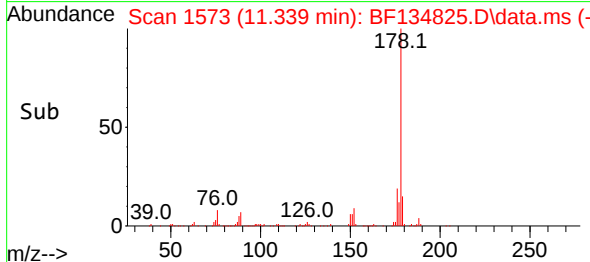
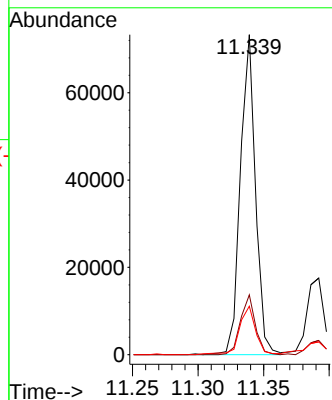
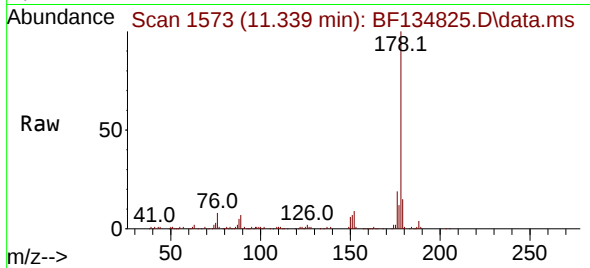
#71
Phenanthrene
Concen: 2.550 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Instrument :
BNA_F
ClientSampleId :
RB21200

Tgt Ion:178 Resp: 5896
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.2 12.7 19.1

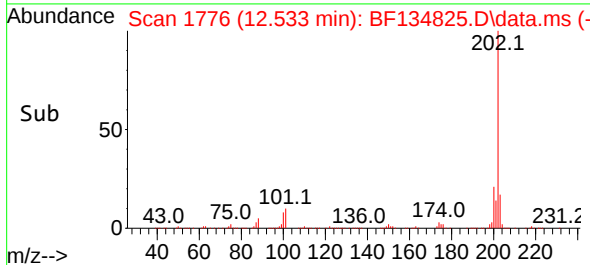
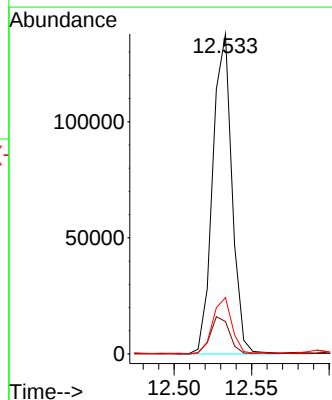
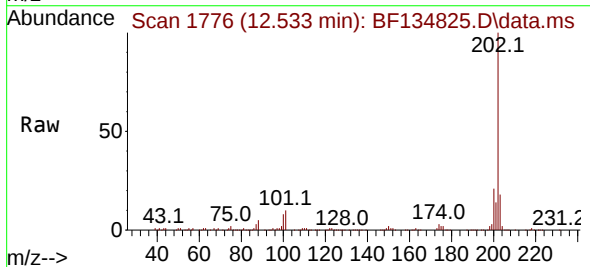
Manual Integrations
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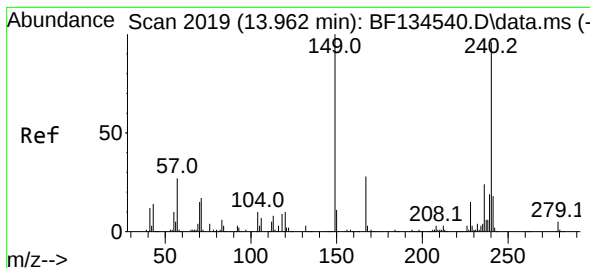
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#75
Fluoranthene
Concen: 4.881 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Tgt Ion:202 Resp: 119186
Ion Ratio Lower Upper
202 100
101 10.2 0.0 28.5
203 17.6 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: BF134825.D

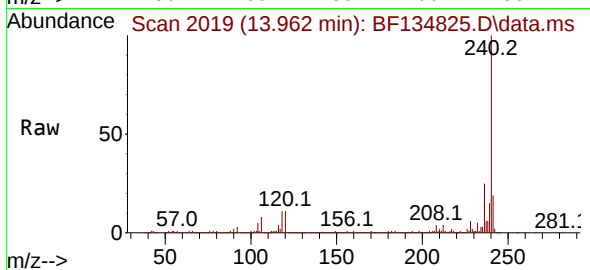
Acq: 17 Aug 2023 19:29

Instrument :

BNA_F

ClientSampleId :

RB21200



Tgt Ion:240 Resp: 291054

Ion Ratio Lower Upper

240 100

120 11.4 6.6 10.0

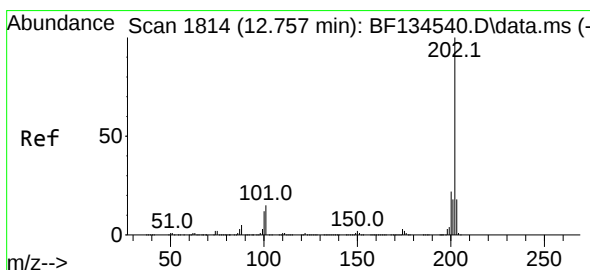
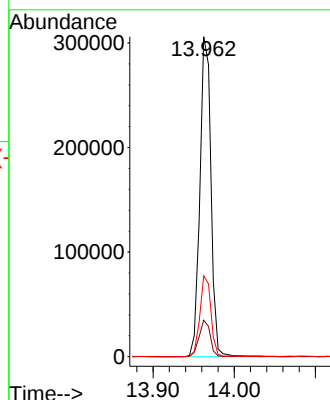
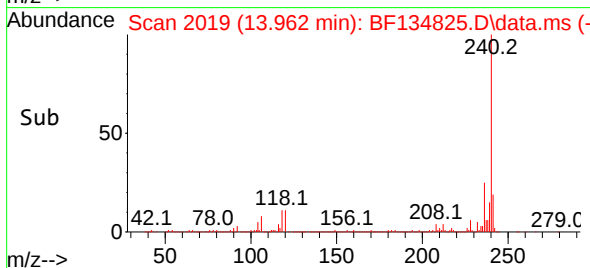
236 25.2 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/18/2023

Supervised By :mohammad ahmed 08/18/2023



#78

Pyrene

Concen: 3.851 ng

RT: 12.762 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134825.D

Acq: 17 Aug 2023 19:29

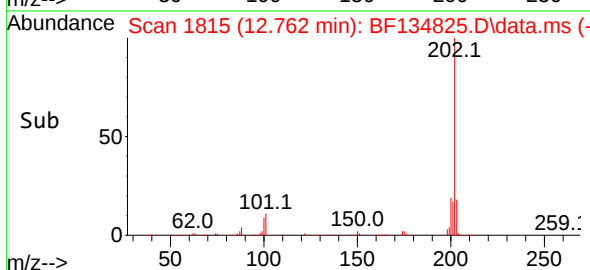
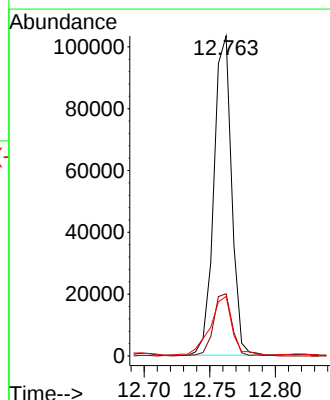
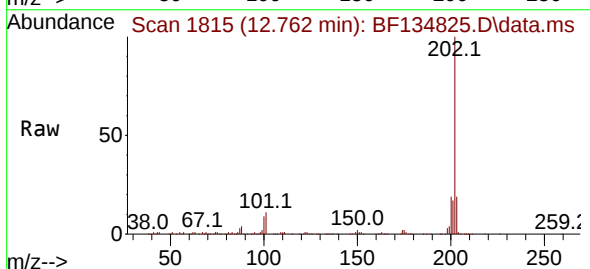
Tgt Ion:202 Resp: 96982

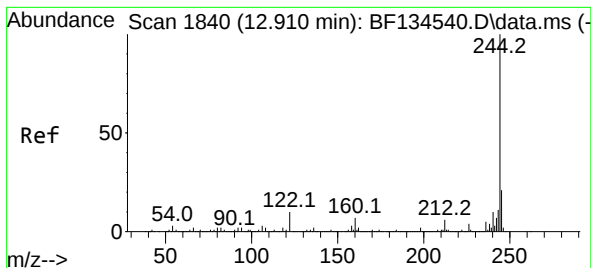
Ion Ratio Lower Upper

202 100

200 19.4 15.8 23.8

203 18.6 13.5 20.3





#79

Terphenyl-d14

Concen: 52.337 ng

RT: 12.910 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134825.D

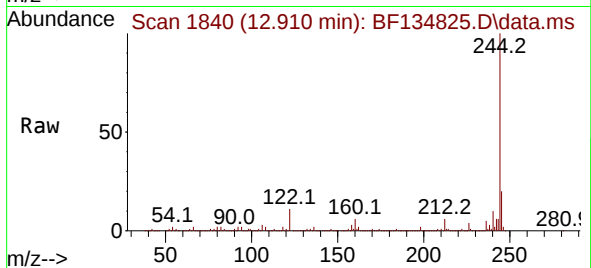
Acq: 17 Aug 2023 19:29

Instrument :

BNA_F

ClientSampleId :

RB21200



Tgt Ion:244 Resp: 864094

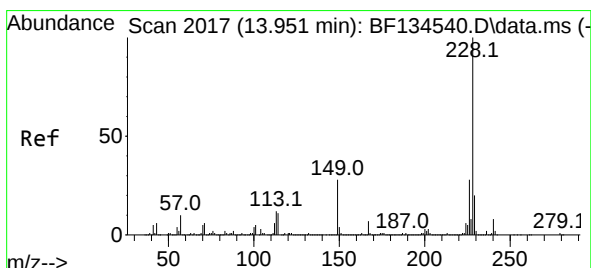
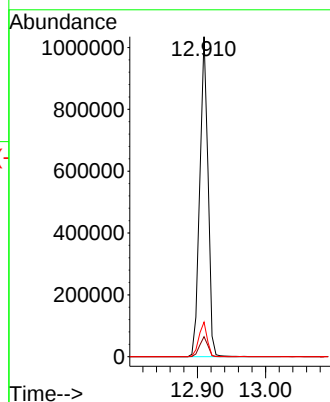
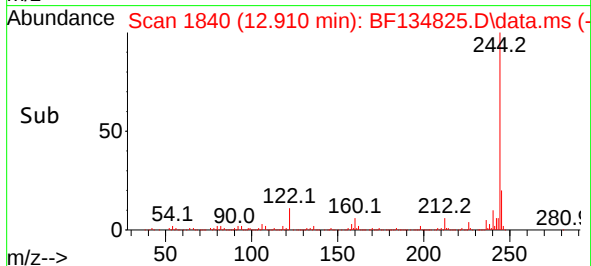
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.6	8.4
122	10.8	8.0	12.0

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: 2.392 ng

RT: 13.957 min Scan# 2018

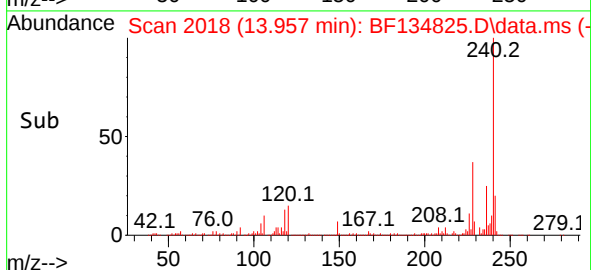
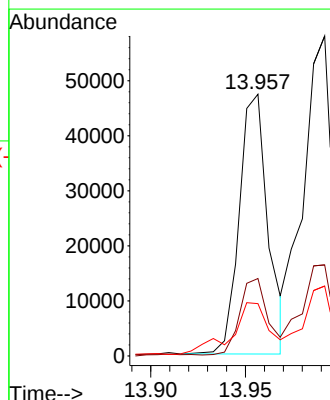
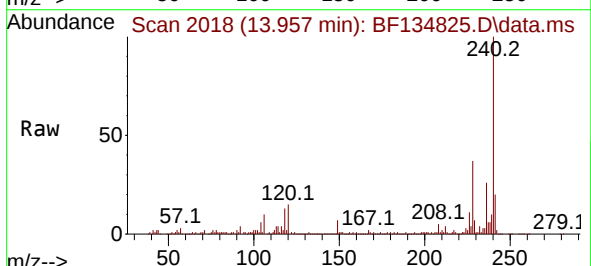
Delta R.T. -0.006 min

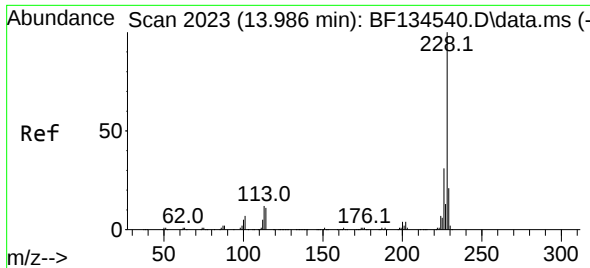
Lab File: BF134825.D

Acq: 17 Aug 2023 19:29

Tgt Ion:228 Resp: 49789

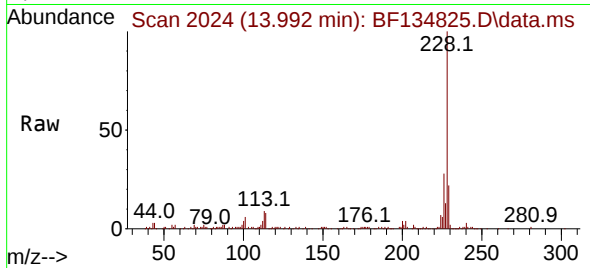
Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.3	33.5
229	20.0	15.8	23.6





#83
Chrysene
Concen: 3.063 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

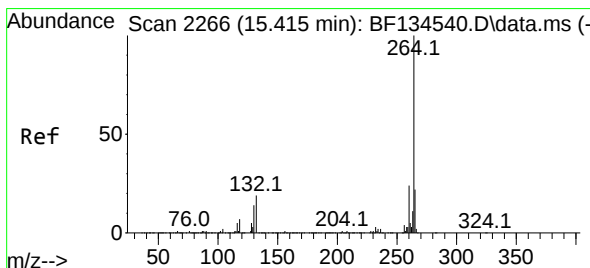
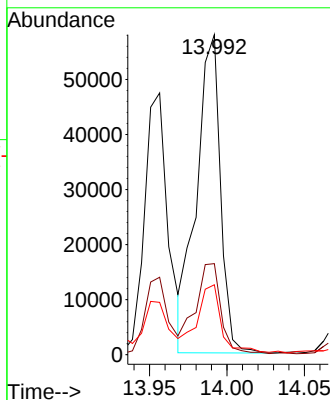
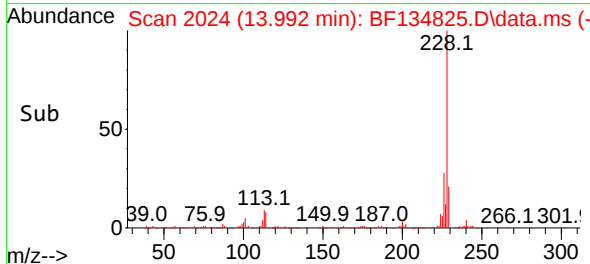
Instrument :
BNA_F
ClientSampleId :
RB21200



Tgt Ion:228 Resp: 62111
Ion Ratio Lower Upper
228 100
226 28.4 24.5 36.7
229 21.9 15.8 23.8

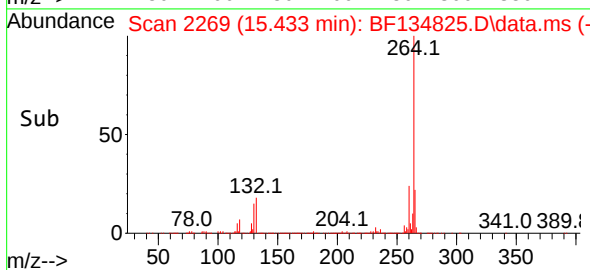
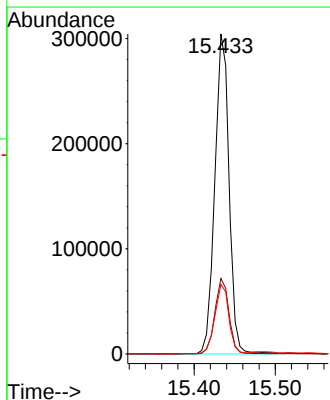
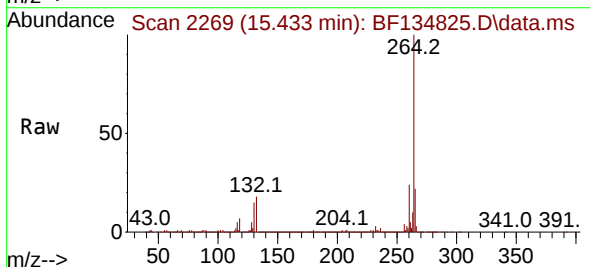
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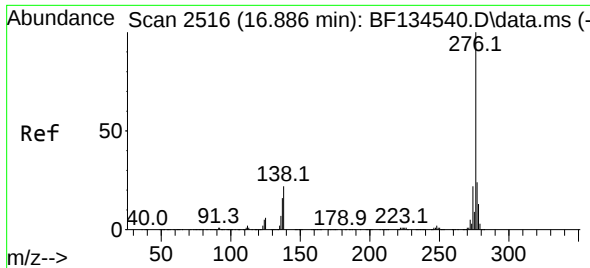
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

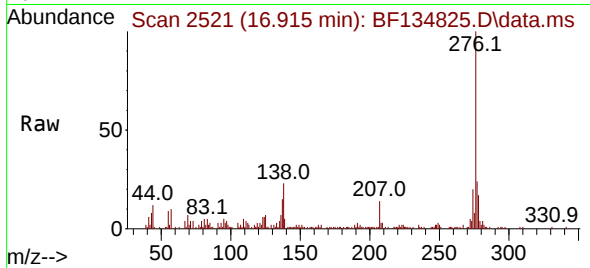
Tgt Ion:264 Resp: 371800
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 21.8 15.8 23.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.019 ng
RT: 16.915 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

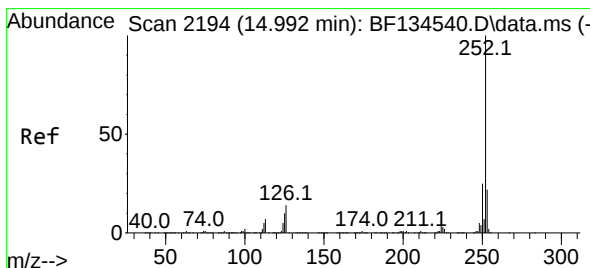
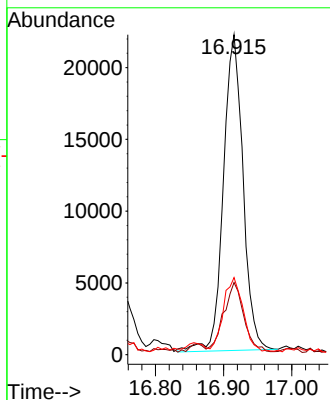
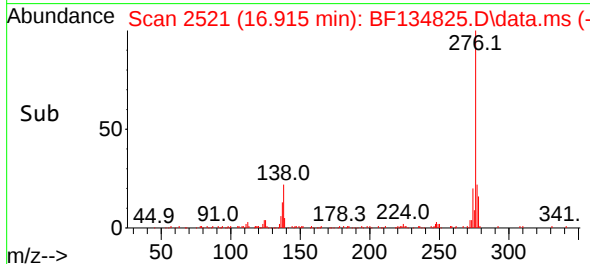
Instrument :
BNA_F
ClientSampleId :
RB21200



Tgt Ion:276 Resp: 44154
Ion Ratio Lower Upper
276 100
138 23.5 14.2 21.4
277 23.3 19.9 29.9

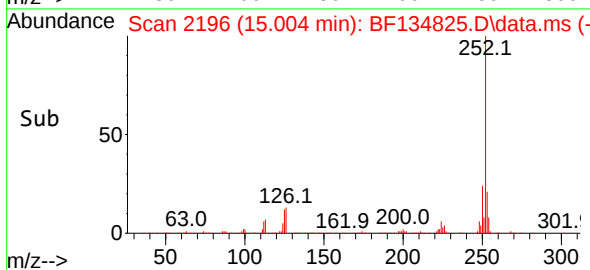
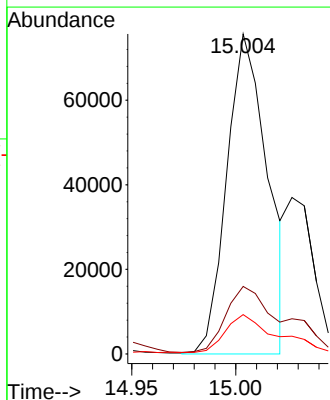
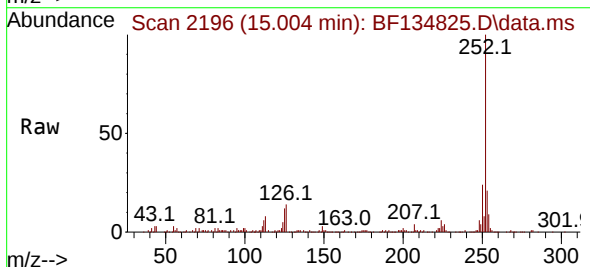
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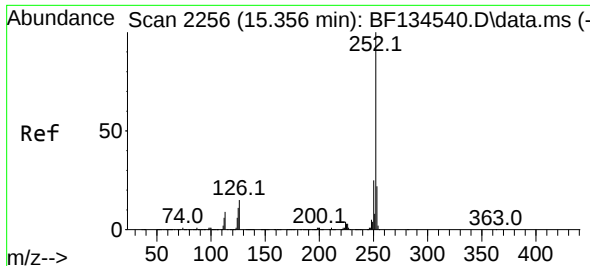
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#88
Benzo(b)fluoranthene
Concen: 4.561 ng m
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Tgt Ion:252 Resp: 103418
Ion Ratio Lower Upper
252 100
253 21.1 17.3 25.9
125 12.3 6.0 9.0#





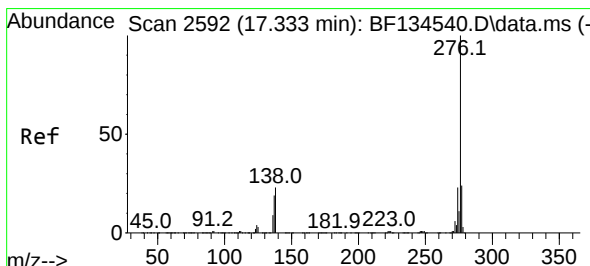
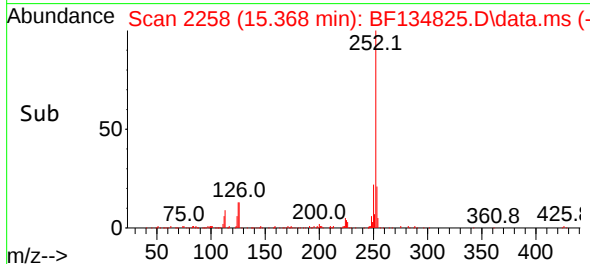
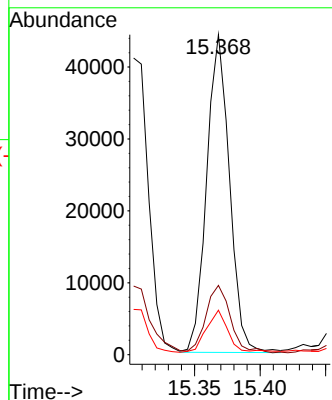
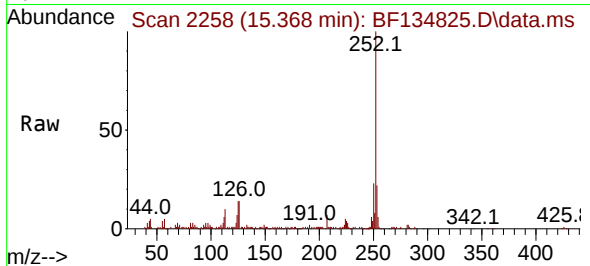
#90
Benzo(a)pyrene
Concen: 2.533 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Instrument :
BNA_F
ClientSampleId :
RB21200

Tgt Ion:252 Resp: 53554
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.4
125 13.9 6.2 9.4

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 2.236 ng
RT: 17.362 min Scan# 2597
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Tgt Ion:276 Resp: 40308
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.6
138 22.6 12.2 18.2

