

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
 Data File : BF134845.D
 Acq On : 18 Aug 2023 17:42
 Operator : CG\JU
 Sample : 04046-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2023
 Supervised By :mohammad ahmed 08/21/2023

Quant Time: Aug 19 01:43:34 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	131797	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	523038	20.000	ng	#-0.01
39) Acenaphthene-d10	9.822	164	246997	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	341058	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	270504	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	184280	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	681040	78.549	ng	0.00
7) Phenol-d6	6.428	99	852345	76.904	ng	-0.01
23) Nitrobenzene-d5	7.351	82	514515	61.474	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	179931	71.461	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	880202	59.252	ng	-0.02
79) Terphenyl-d14	12.910	244	647515	42.198	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	286467	15.813	ng	98
72) Anthracene	11.386	178	64583	3.490	ng	99
75) Fluoranthene	12.533	202	475974	24.874	ng	97
78) Pyrene	12.763	202	456224	19.491	ng	97
81) Benzo(a)anthracene	13.957	228	206156	10.658	ng	99
83) Chrysene	13.992	228	180692	9.589	ng	98
87) Indeno(1,2,3-cd)pyrene	16.915	276	64775	5.977	ng	95
88) Benzo(b)fluoranthene	15.004	252	167979m	14.946	ng	
89) Benzo(k)fluoranthene	15.033	252	59185m	5.286	ng	
90) Benzo(a)pyrene	15.368	252	117737	11.235	ng	# 93
92) Benzo(g,h,i)perylene	17.368	276	67259	7.528	ng	# 89

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

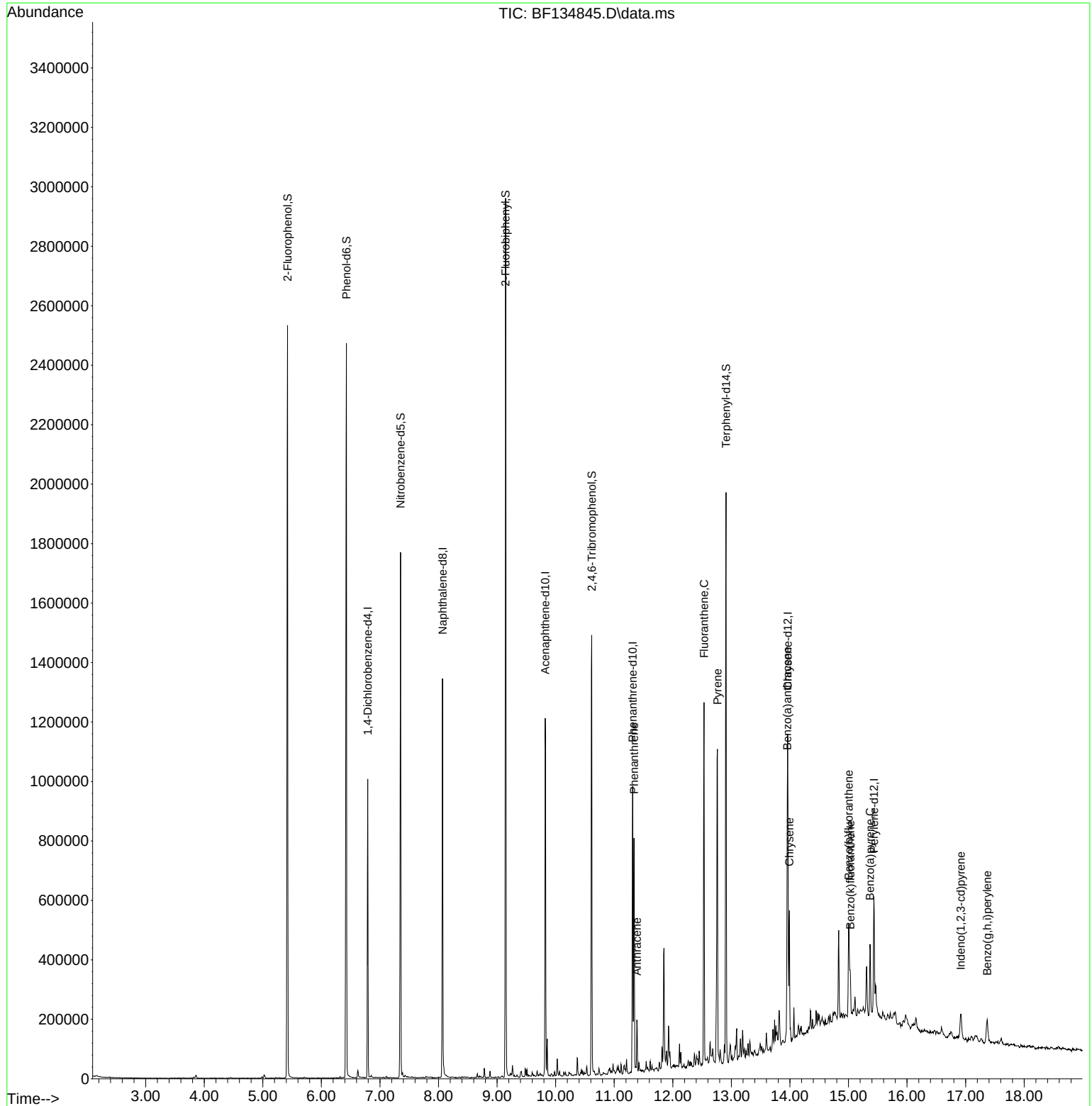
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
Data File : BF134845.D
Acq On : 18 Aug 2023 17:42
Operator : CG\JU
Sample : 04046-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

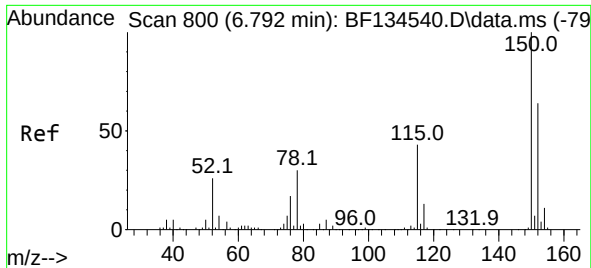
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)

Quant Time: Aug 19 01:43:34 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

Manual Integrations
APPROVED

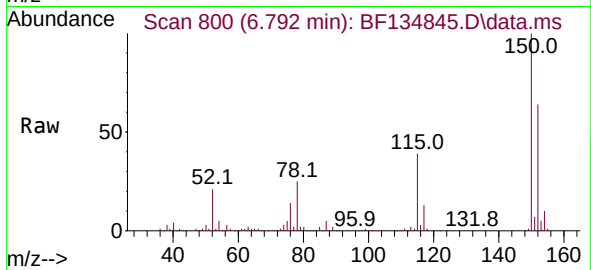
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

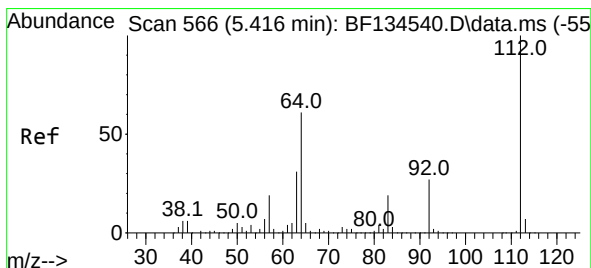
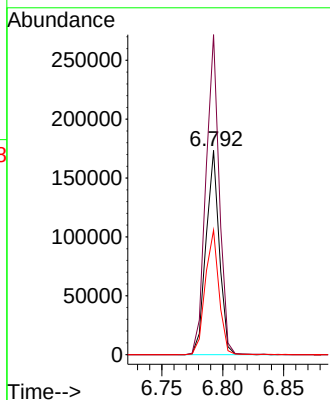
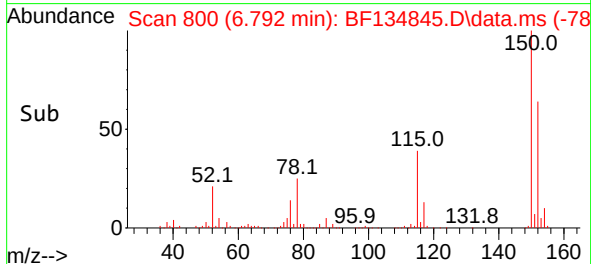
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)



Tgt Ion:152 Resp: 131797
Ion Ratio Lower Upper
152 100
150 156.8 128.3 192.5
115 60.9 52.4 78.6

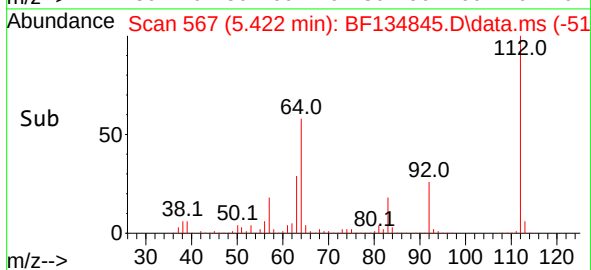
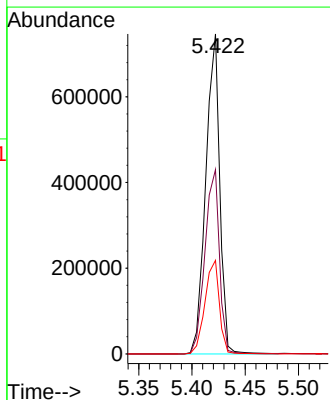
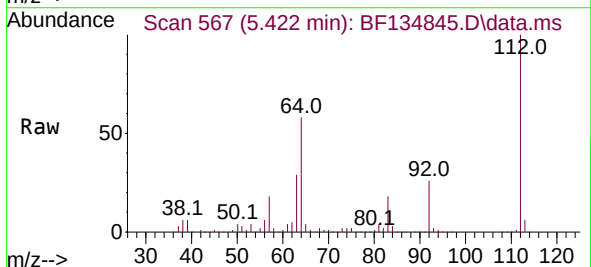
Manual Integrations
APPROVED

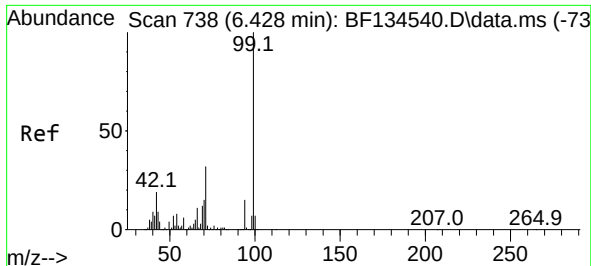
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#5
2-Fluorophenol
Concen: 78.549 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

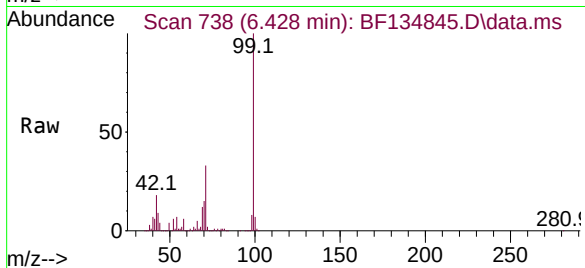
Tgt Ion:112 Resp: 681040
Ion Ratio Lower Upper
112 100
64 57.6 44.9 67.3
63 29.2 25.4 38.0





#7
Phenol-d6
Concen: 76.904 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

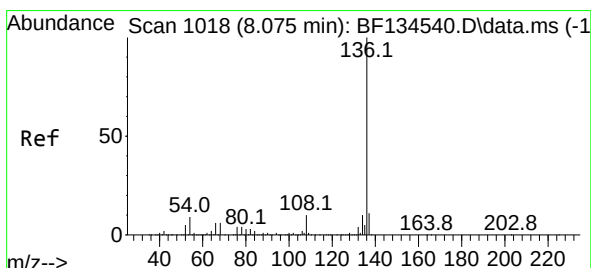
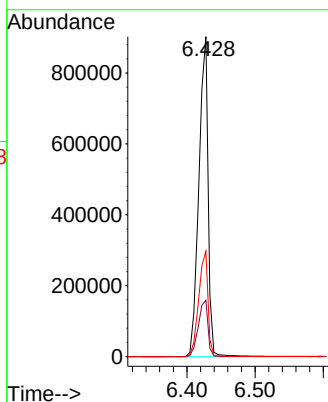
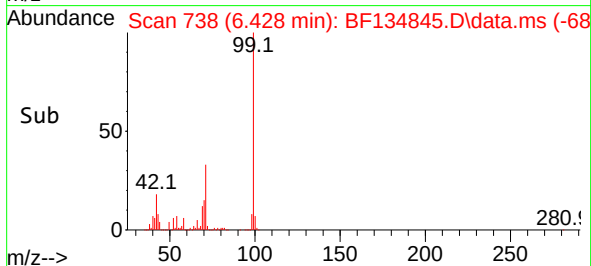
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)



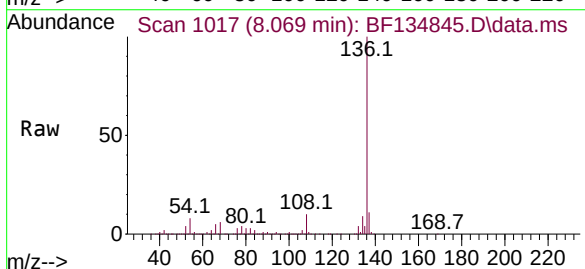
Tgt Ion: 99 Resp: 852345
Ion Ratio Lower Upper
99 100
42 17.6 18.7 28.1#
71 32.9 36.4 54.6#

Manual Integrations
APPROVED

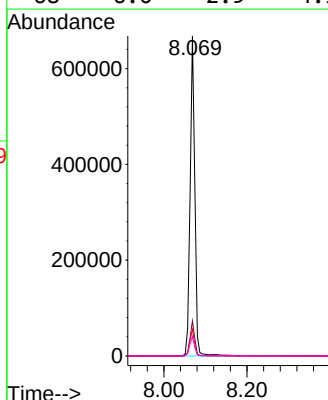
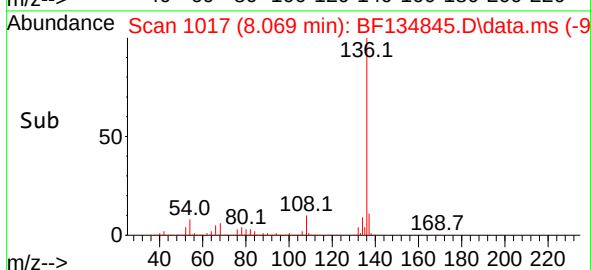
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

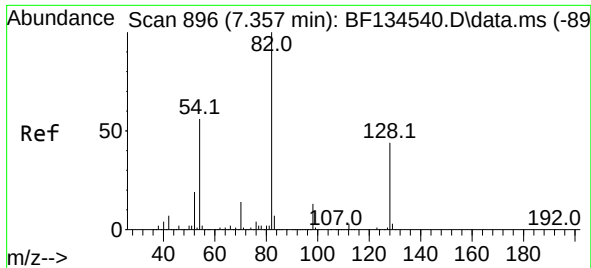


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42



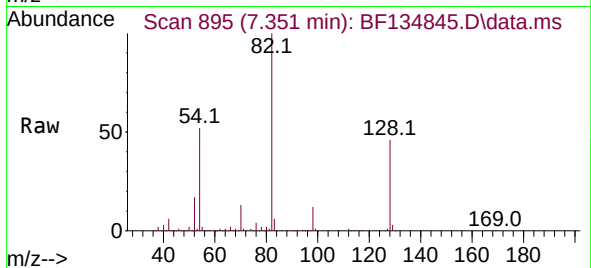
Tgt Ion:136 Resp: 523038
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.3 5.2 7.8#
68 6.0 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 61.474 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

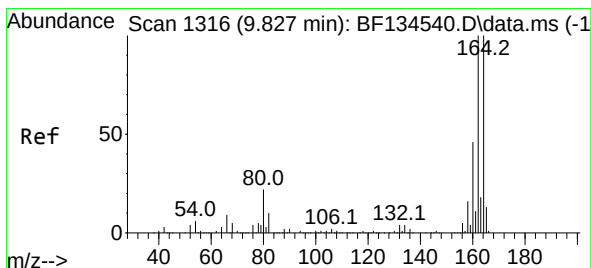
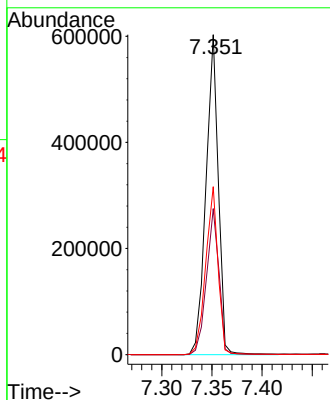
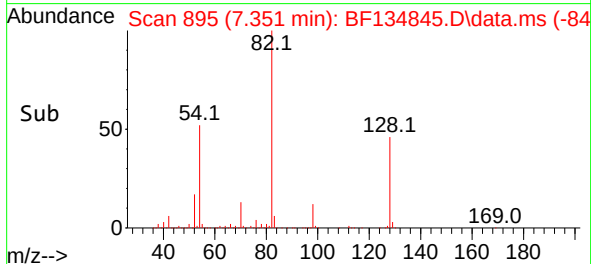
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)



Tgt Ion: 82 Resp: 514515
Ion Ratio Lower Upper
82 100
128 45.6 34.3 51.5
54 52.5 43.8 65.6

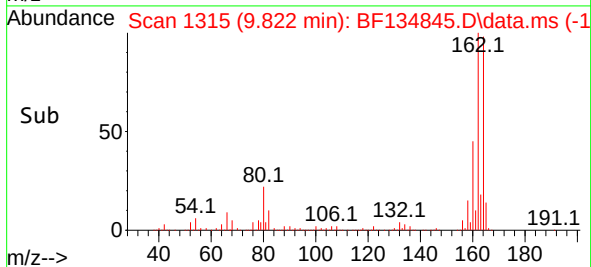
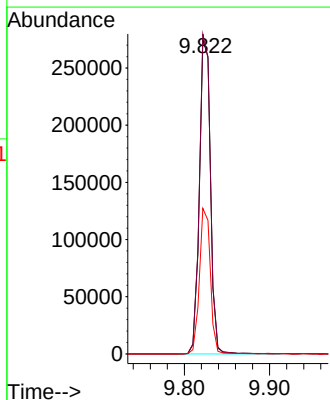
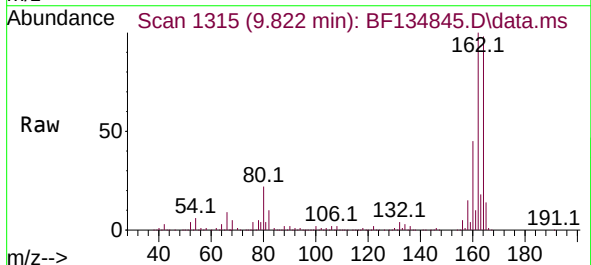
Manual Integrations
APPROVED

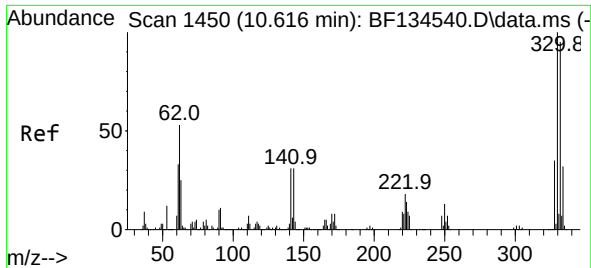
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

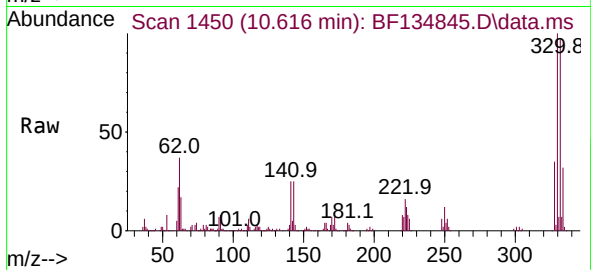
Tgt Ion:164 Resp: 246997
Ion Ratio Lower Upper
164 100
162 101.9 82.6 123.8
160 46.3 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 71.461 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

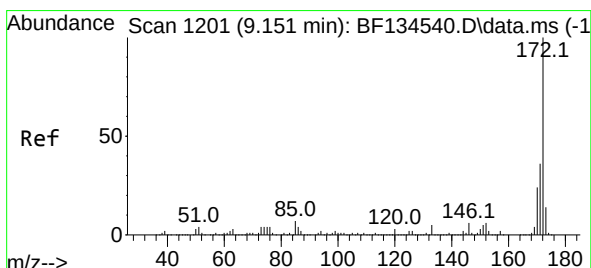
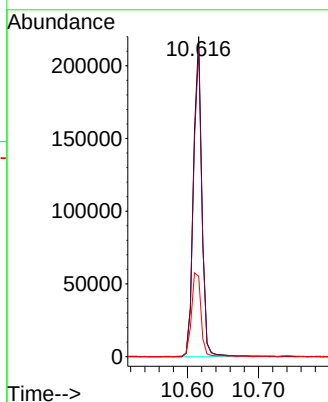
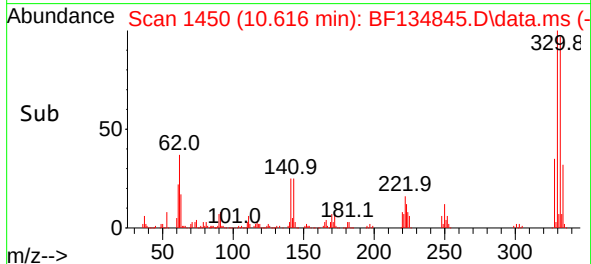
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)



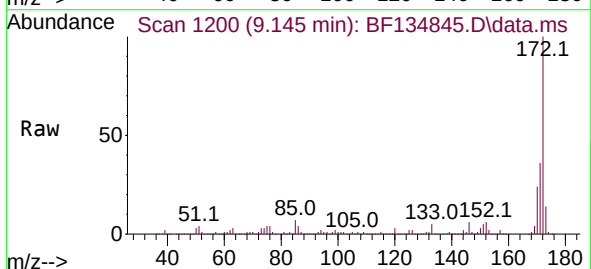
Tgt Ion: 330 Resp: 179931
Ion Ratio Lower Upper
330 100
332 97.2 78.8 118.2
141 30.3 25.4 38.2

Manual Integrations
APPROVED

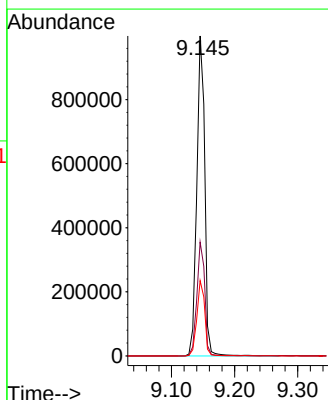
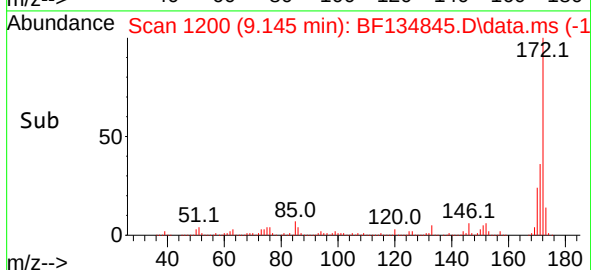
Reviewed By : Yogesh Patel 08/21/2023
Supervised By : mohammad ahmed 08/21/2023

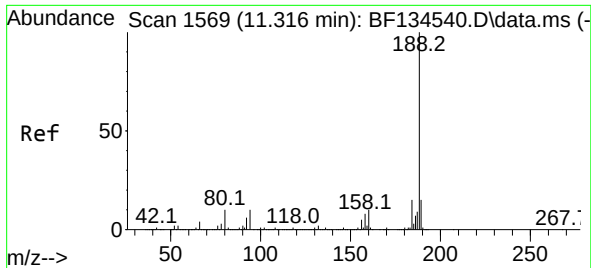


#45
2-Fluorobiphenyl
Concen: 59.252 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42



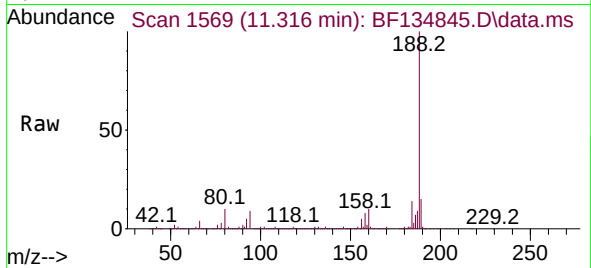
Tgt Ion: 172 Resp: 880202
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.5 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

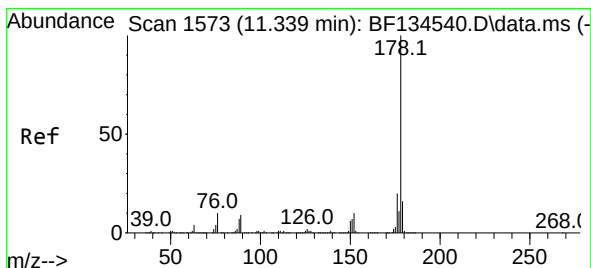
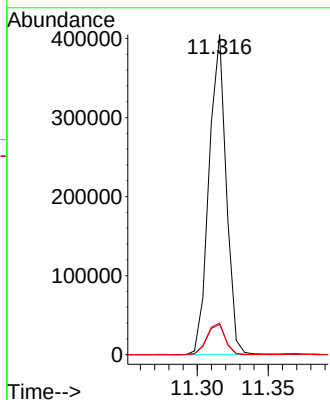
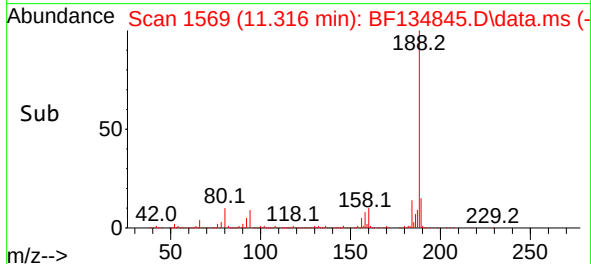
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)



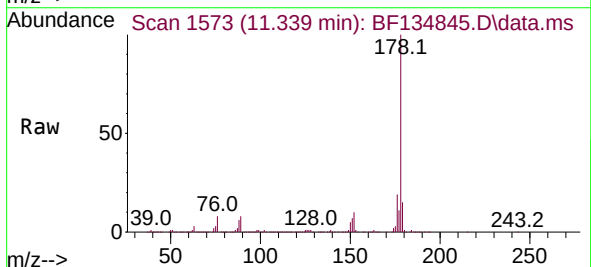
Tgt Ion:188 Resp: 341058
Ion Ratio Lower Upper
188 100
94 9.4 5.1 7.7
80 9.9 6.6 9.8

Manual Integrations
APPROVED

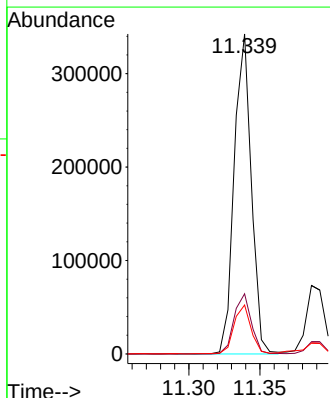
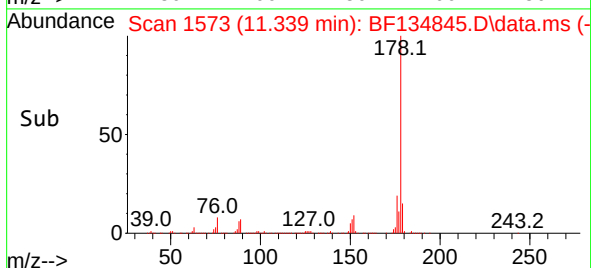
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

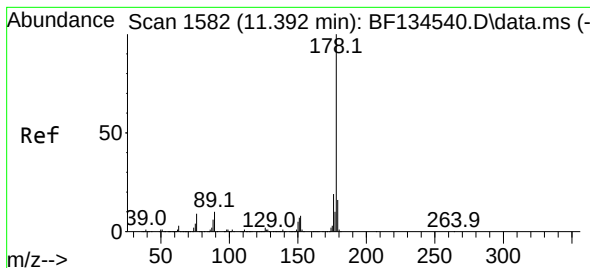


#71
Phenanthrene
Concen: 15.813 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42



Tgt Ion:178 Resp: 286467
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.3 12.7 19.1





#72

Anthracene

Concen: 3.490 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-02(0-5)

Tgt Ion:178 Resp: 64583

Ion Ratio Lower Upper

178 100

176 17.7 14.6 21.8

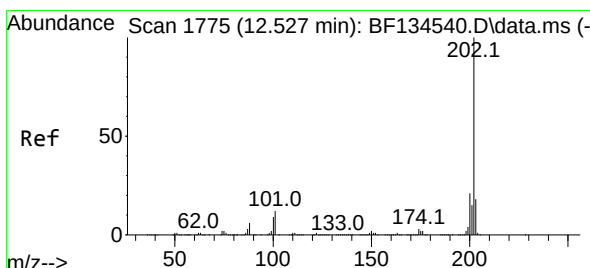
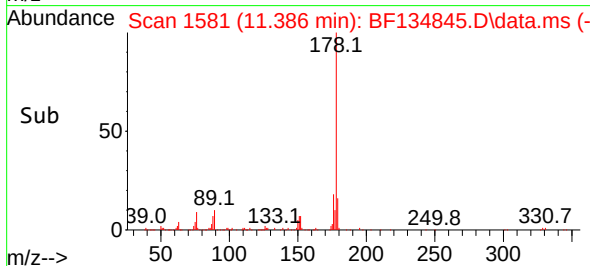
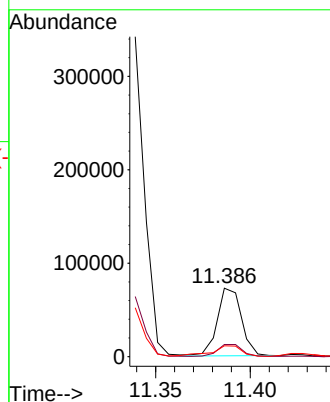
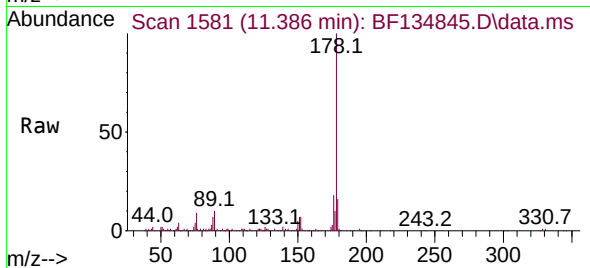
179 15.7 12.3 18.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2023

Supervised By :mohammad ahmed 08/21/2023



#75

Fluoranthene

Concen: 24.874 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

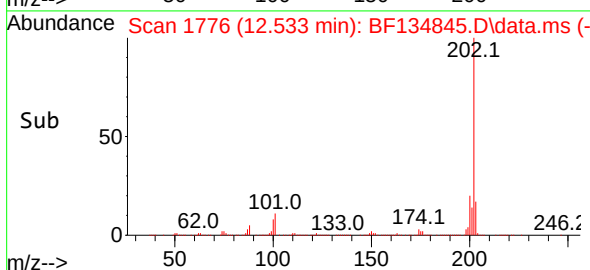
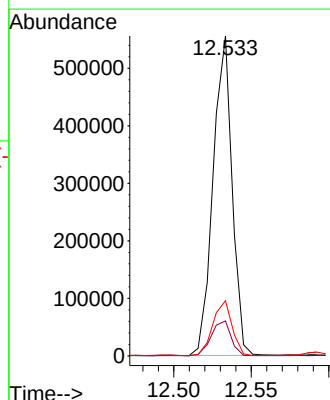
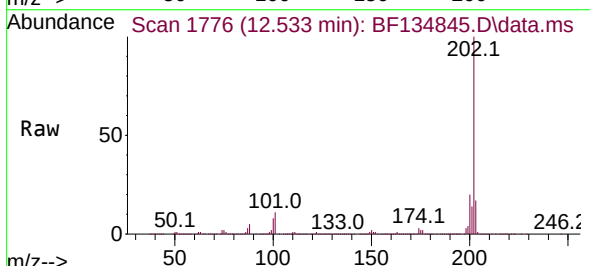
Tgt Ion:202 Resp: 475974

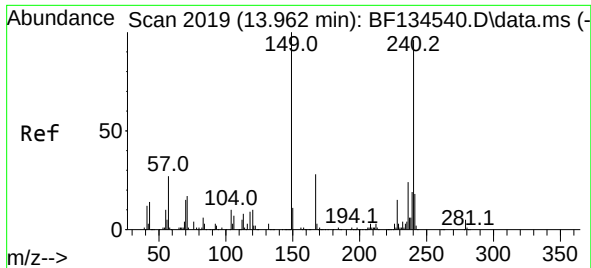
Ion Ratio Lower Upper

202 100

101 10.9 0.0 28.5

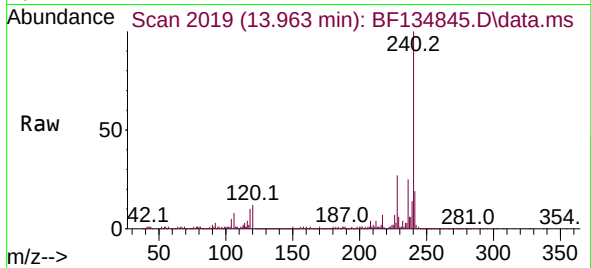
203 17.2 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

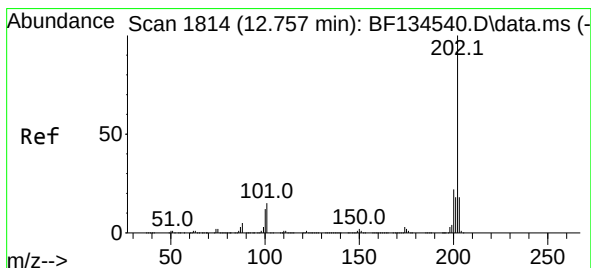
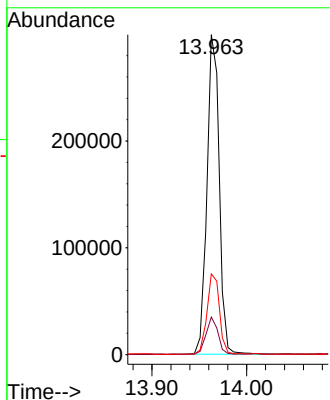
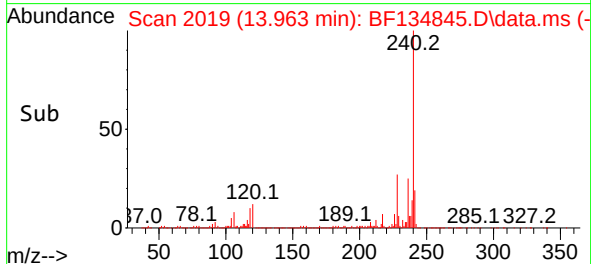
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)



Tgt Ion:240 Resp: 270504
Ion Ratio Lower Upper
240 100
120 11.7 6.6 10.0
236 25.2 20.2 30.2

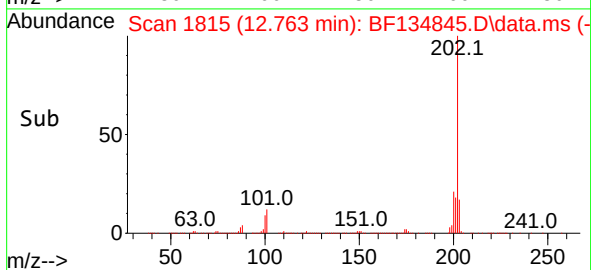
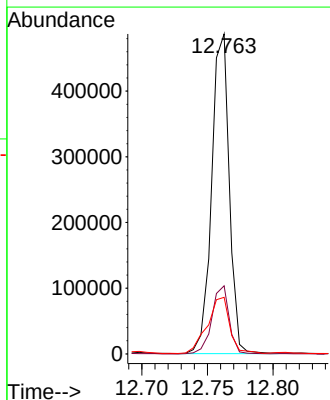
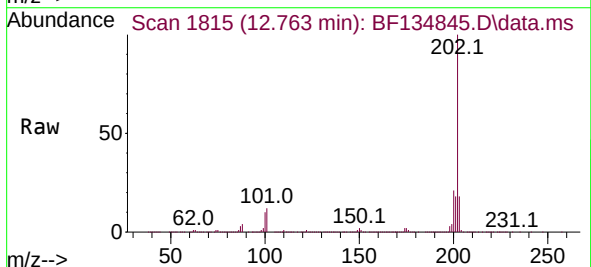
Manual Integrations
APPROVED

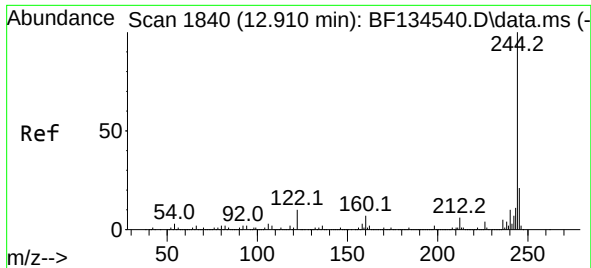
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#78
Pyrene
Concen: 19.491 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion:202 Resp: 456224
Ion Ratio Lower Upper
202 100
200 21.3 15.8 23.8
203 17.7 13.5 20.3





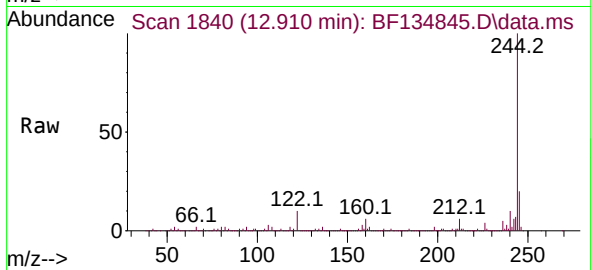
#79
 Terphenyl-d14
 Concen: 42.198 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF134845.D
 Acq: 18 Aug 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-02(0-5)

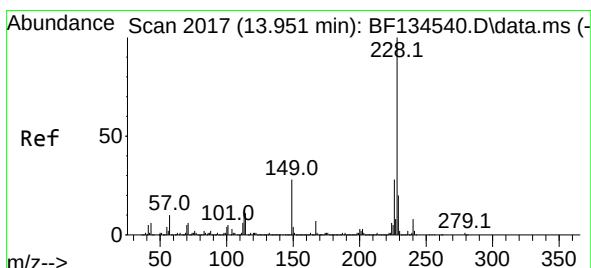
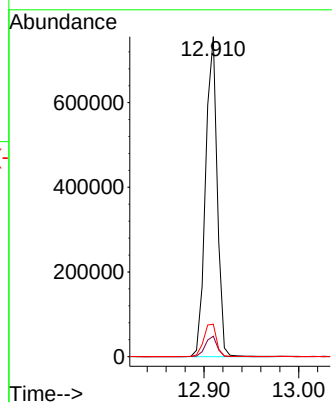
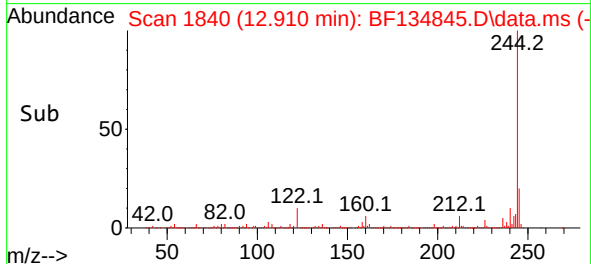


Tgt Ion:244 Resp: 647515
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.1 8.0 12.0

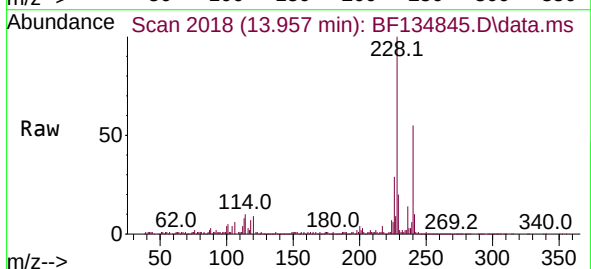
Manual Integrations

APPROVED

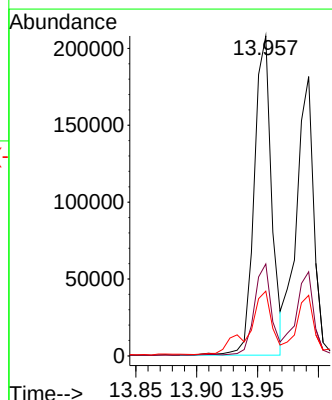
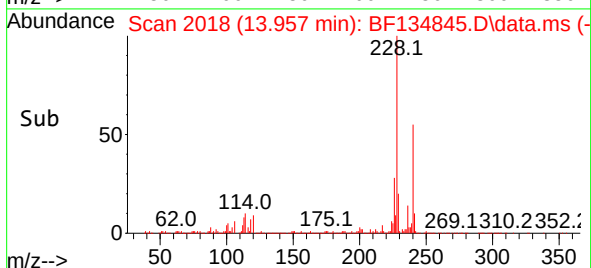
Reviewed By :Yogesh Patel 08/21/2023
 Supervised By :mohammad ahmed 08/21/2023

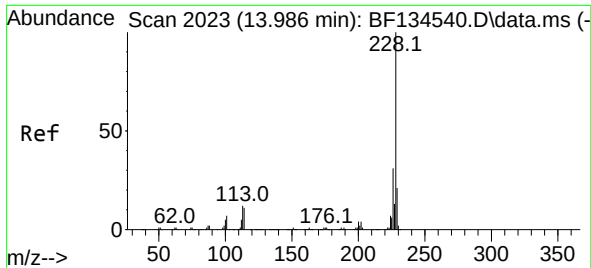


#81
 Benzo(a)anthracene
 Concen: 10.658 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF134845.D
 Acq: 18 Aug 2023 17:42



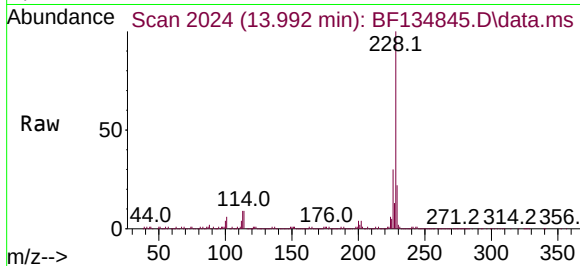
Tgt Ion:228 Resp: 206156
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.3 33.5
 229 20.2 15.8 23.6





#83
Chrysene
Concen: 9.589 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

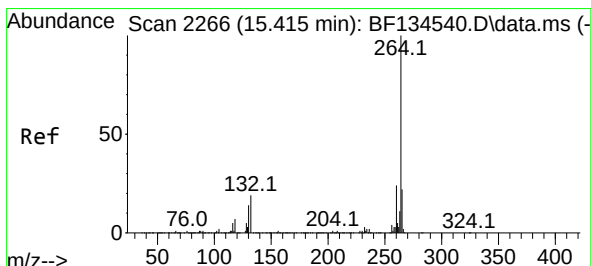
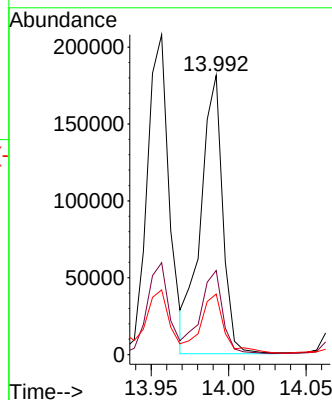
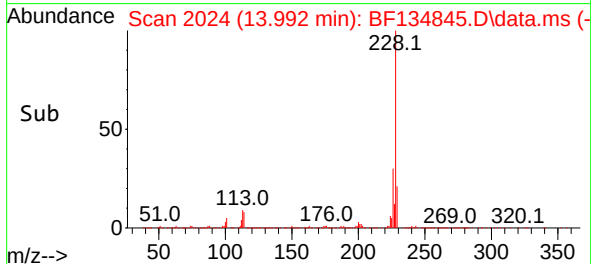
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)



Tgt Ion:228 Resp: 180692
Ion Ratio Lower Upper
228 100
226 30.1 24.5 36.7
229 21.7 15.8 23.8

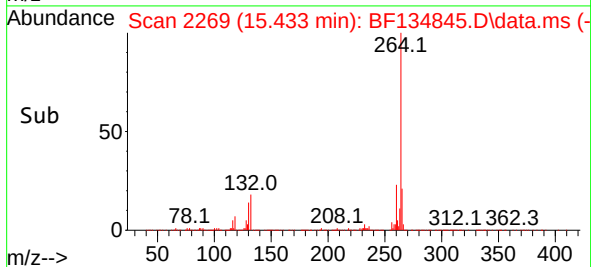
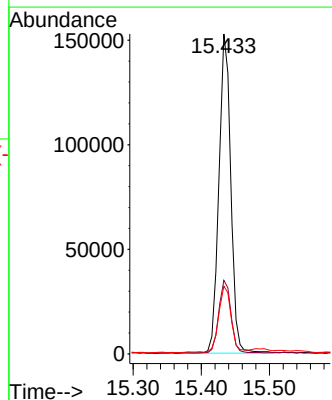
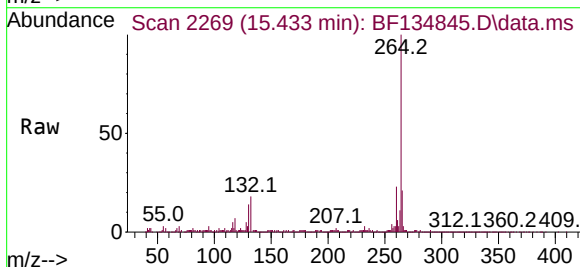
Manual Integrations
APPROVED

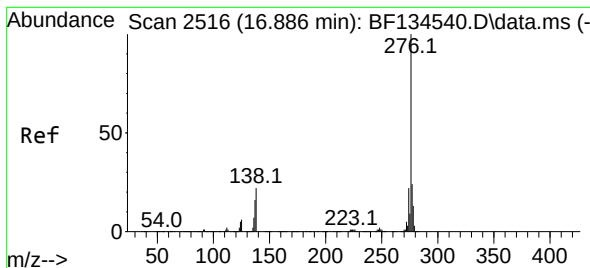
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion:264 Resp: 184280
Ion Ratio Lower Upper
264 100
260 23.0 18.4 27.6
265 21.2 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.977 ng

RT: 16.915 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

Instrument :

BNA_F

ClientSampleId :

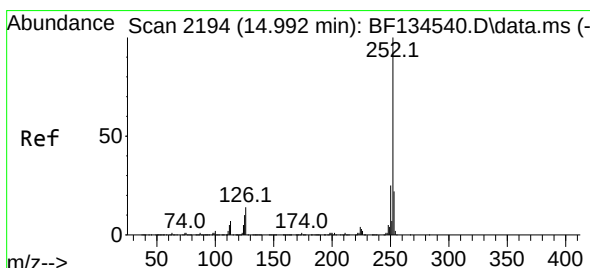
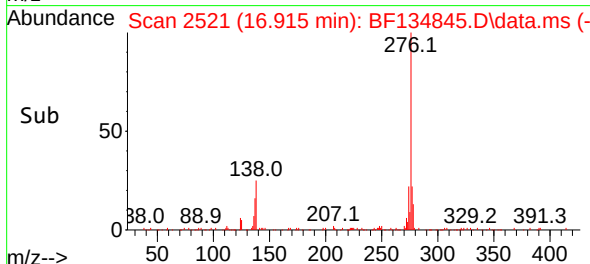
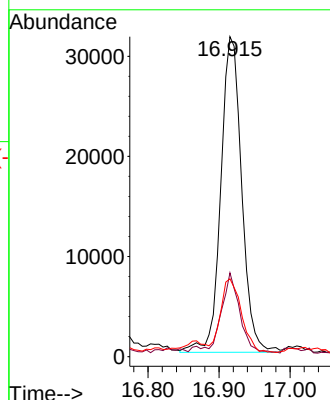
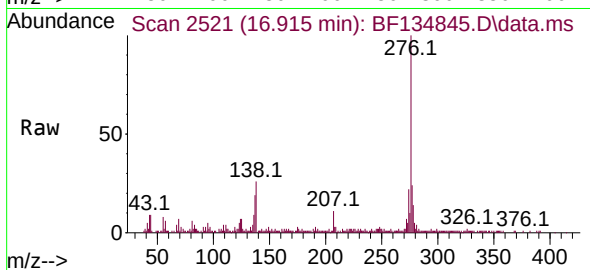
SB-02(0-5)

Tgt Ion:	276	Resp:	64775
Ion Ratio	Lower	Upper	
276	100		
138	21.1	14.2	21.4
277	23.1	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#88

Benzo(b)fluoranthene

Concen: 14.946 ng m

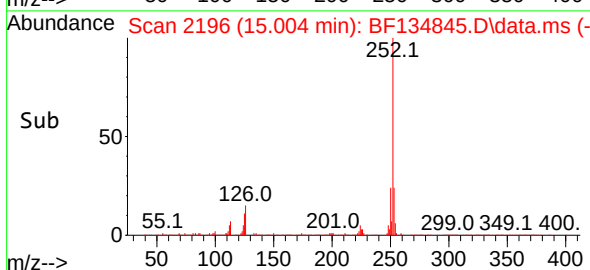
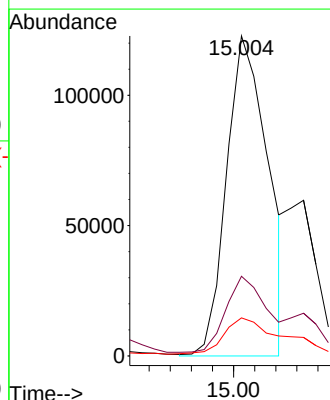
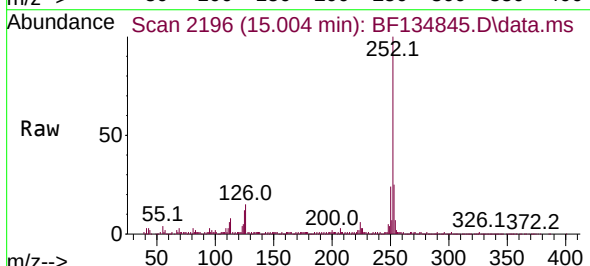
RT: 15.004 min Scan# 2196

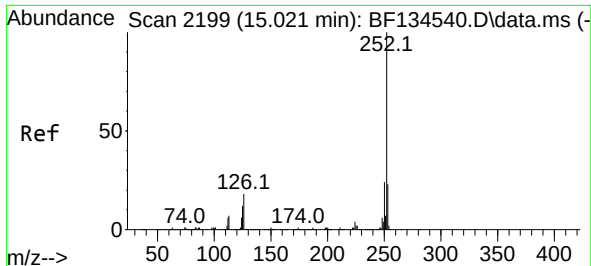
Delta R.T. -0.006 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

Tgt Ion:	252	Resp:	167979
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.3	25.9
125	11.9	6.0	9.0





#89

Benzo(k)fluoranthene

Concen: 5.286 ng m

RT: 15.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-02(0-5)

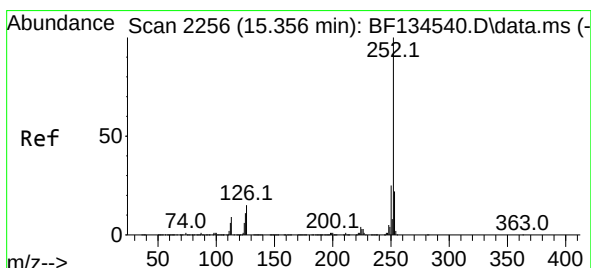
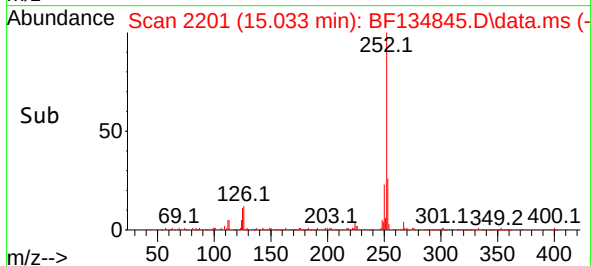
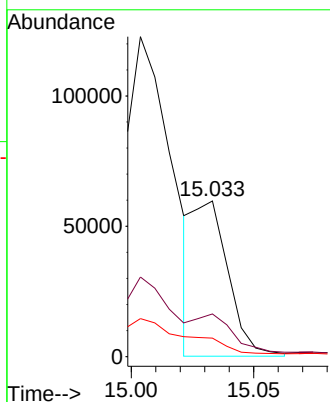
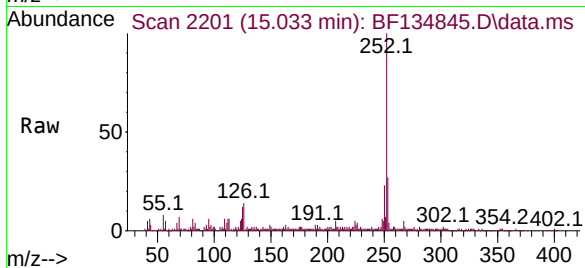
Tgt Ion:252 Resp: 59185
 Ion Ratio Lower Upper
 252 100
 253 27.5 17.9 26.9
 125 11.9 6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2023

Supervised By :mohammad ahmed 08/21/2023



#90

Benzo(a)pyrene

Concen: 11.235 ng

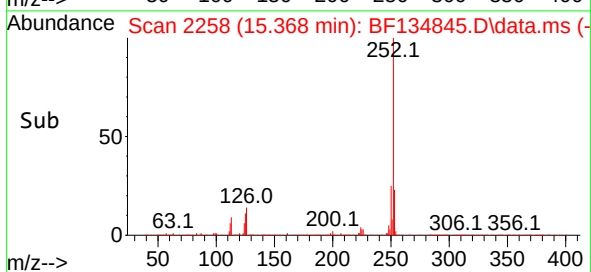
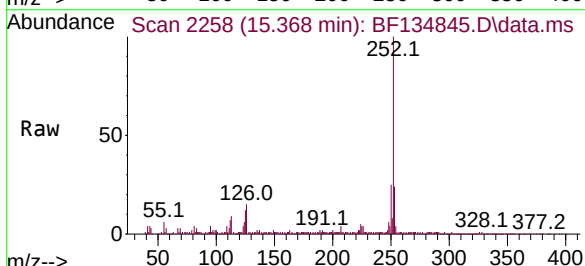
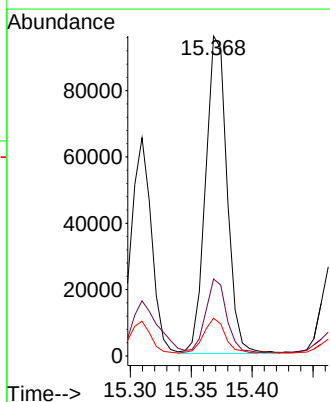
RT: 15.368 min Scan# 2258

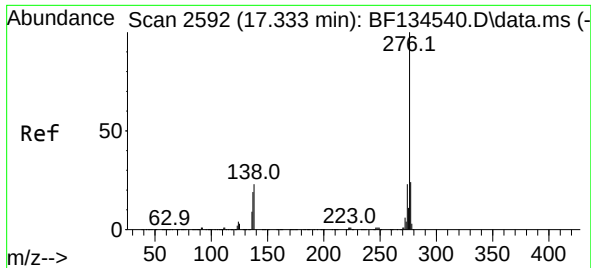
Delta R.T. -0.012 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

Tgt Ion:252 Resp: 117737
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.0 25.4
 125 11.8 6.2 9.4





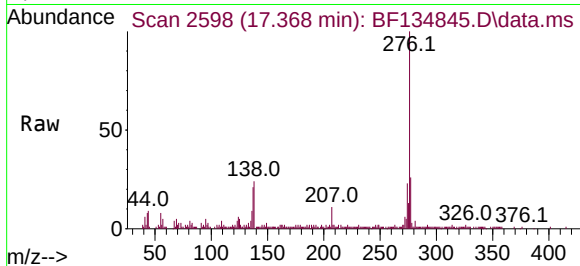
#92
 Benzo(g,h,i)perylene
 Concen: 7.528 ng
 RT: 17.368 min Scan# 2598
 Delta R.T. -0.006 min
 Lab File: BF134845.D
 Acq: 18 Aug 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-02(0-5)



Tgt Ion:	276	Resp:	67259
Ion Ratio	Lower	Upper	
276	100		
277	25.7	19.0	28.6
138	24.2	12.2	18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2023

Supervised By :mohammad ahmed 08/21/2023

