

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134962.D
 Acq On : 28 Aug 2023 11:44
 Operator : CG\JU
 Sample : 04110-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-23(0-1)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

Quant Time: Aug 29 03:47:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	95374	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	381617	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	193220	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	334829	20.000	ng	0.00
76) Chrysene-d12	13.974	240	182774	20.000	ng	0.00
86) Perylene-d12	15.451	264	237049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	563787	94.265	ng	0.00
7) Phenol-d6	6.428	99	703762	92.086	ng	-0.01
23) Nitrobenzene-d5	7.351	82	461638	66.658	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	194238	85.355	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	862603	69.014	ng	-0.01
79) Terphenyl-d14	12.915	244	770043	57.947	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.780	142	28459	2.240	ng	96
38) 1-Methylnaphthalene	8.880	142	31628	2.662	ng	98
71) Phenanthrene	11.345	178	93728	5.342	ng	98
75) Fluoranthene	12.539	202	110448	6.644	ng	99
78) Pyrene	12.768	202	93634	4.832	ng	98
81) Benzo(a)anthracene	13.962	228	55364	4.440	ng	92
83) Chrysene	13.998	228	52304m	4.251	ng	
87) Indeno(1,2,3-cd)pyrene	16.939	276	38391	2.266	ng	97
88) Benzo(b)fluoranthene	15.015	252	75462m	5.642	ng	
89) Benzo(k)fluoranthene	15.045	252	26770m	2.038	ng	
90) Benzo(a)pyrene	15.386	252	51517	3.859	ng	99
92) Benzo(g,h,i)perylene	17.386	276	36457	2.598	ng	96

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

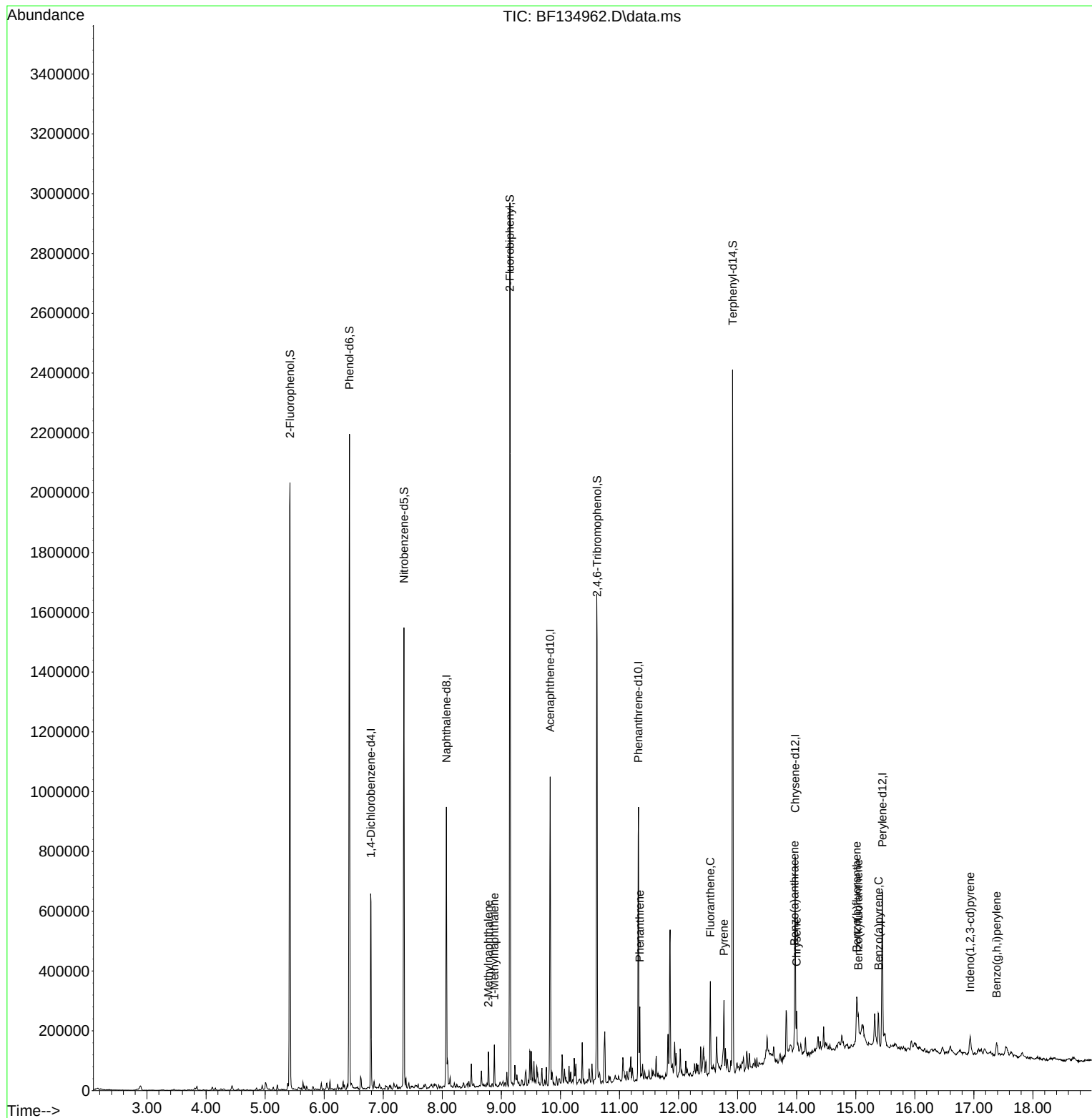
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
Data File : BF134962.D
Acq On : 28 Aug 2023 11:44
Operator : CG\JU
Sample : 04110-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

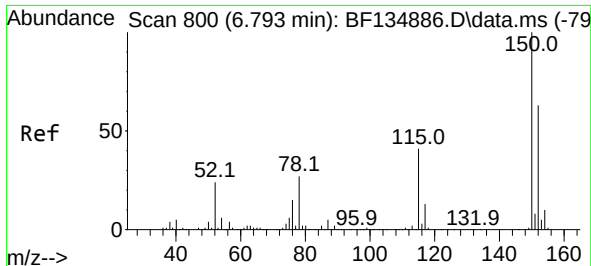
Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)

Quant Time: Aug 29 03:47:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 28 02:45:19 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023





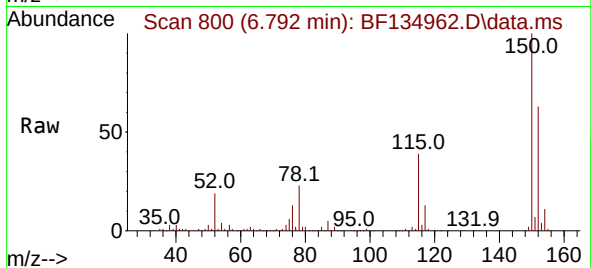
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.001 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

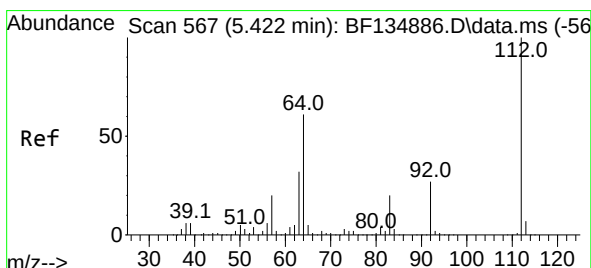
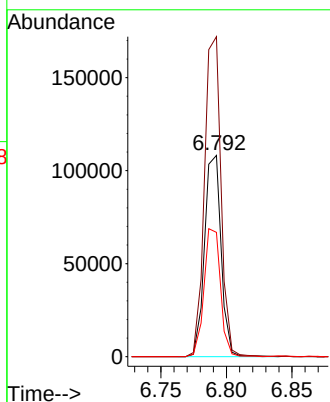
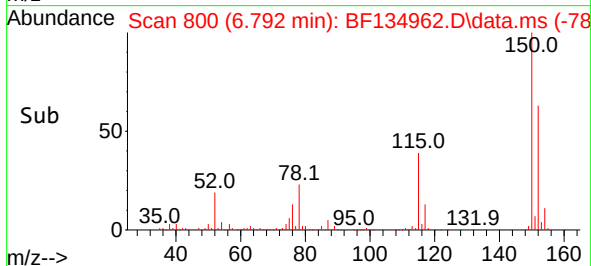


Tgt Ion:152 Resp: 95374
Ion Ratio Lower Upper
152 100
150 158.9 126.1 189.1
115 61.8 51.1 76.7

Manual Integrations

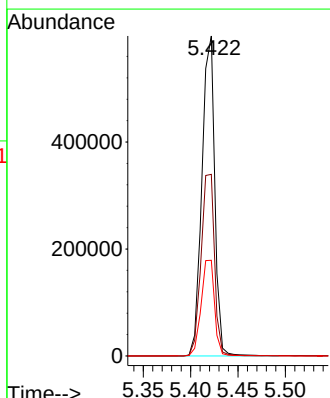
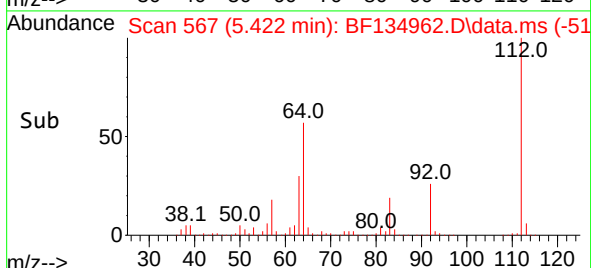
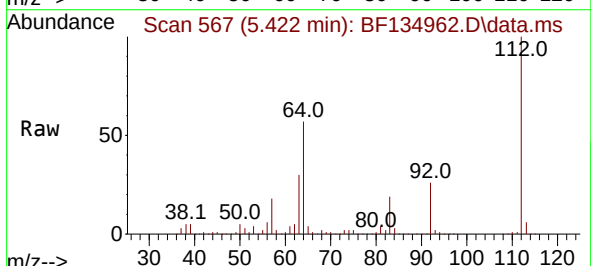
APPROVED

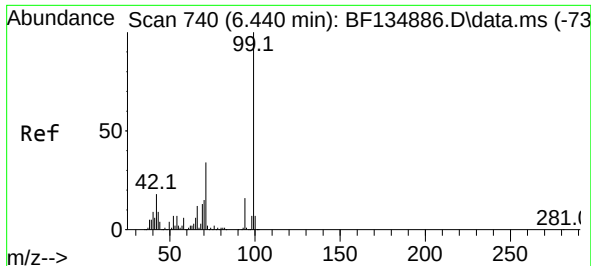
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#5
2-Fluorophenol
Concen: 94.265 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.000 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

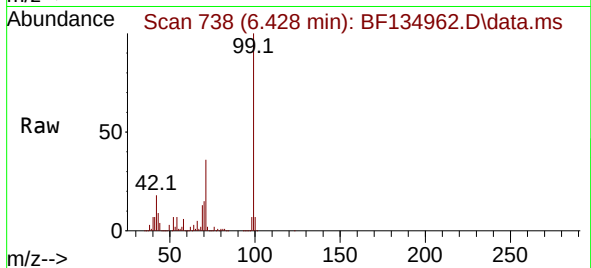
Tgt Ion:112 Resp: 563787
Ion Ratio Lower Upper
112 100
64 56.8 48.6 73.0
63 29.9 25.7 38.5





#7
Phenol-d6
Concen: 92.086 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

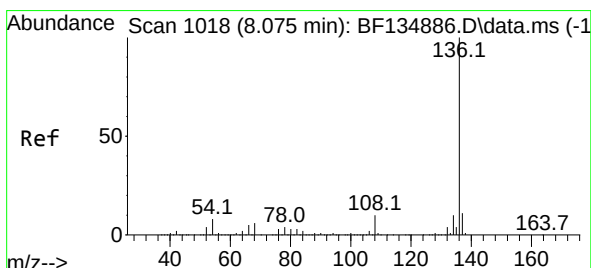
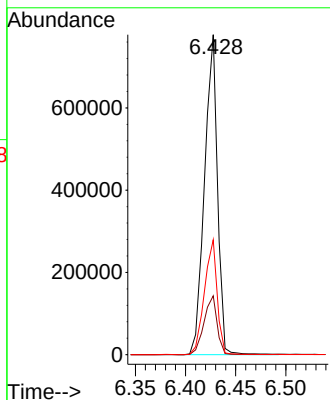
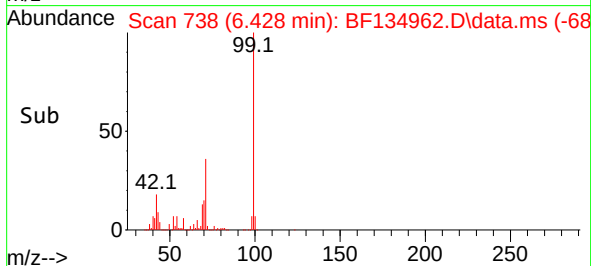
Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)



Tgt Ion: 99 Resp: 703762
Ion Ratio Lower Upper
99 100
42 18.4 14.6 22.0
71 35.9 27.6 41.4

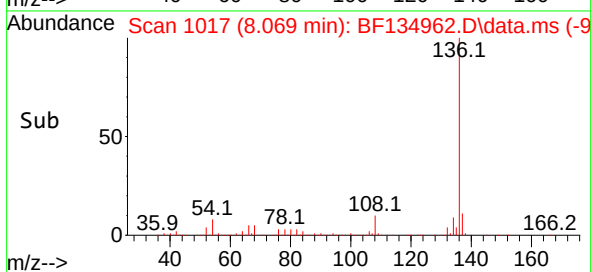
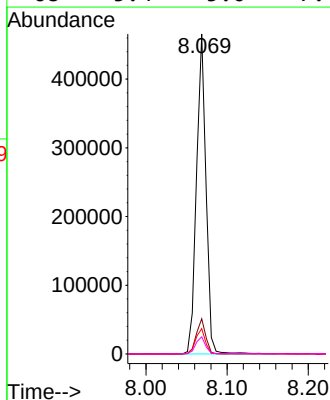
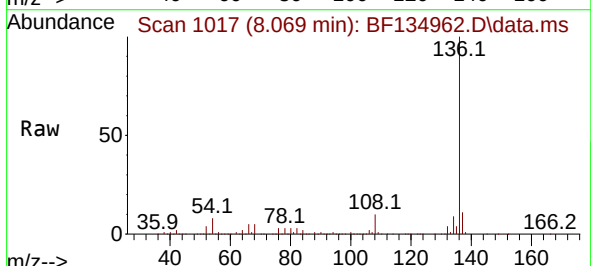
Manual Integrations
APPROVED

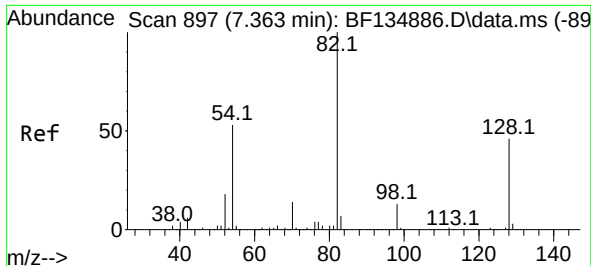
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Tgt Ion:136 Resp: 381617
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.9 6.6 9.8
68 5.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 66.658 ng

RT: 7.351 min Scan# 84

Delta R.T. -0.012 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

Tgt Ion: 82 Resp: 461638

Ion Ratio Lower Upper

82 100

128 45.4 36.6 54.8

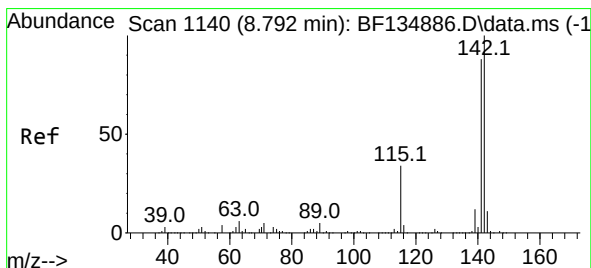
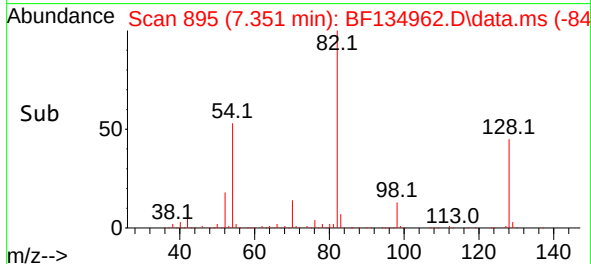
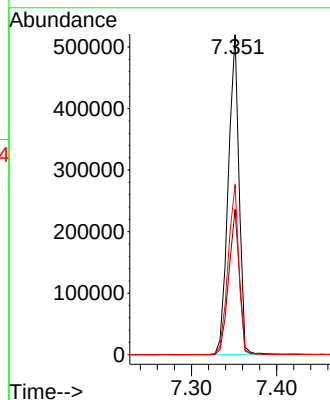
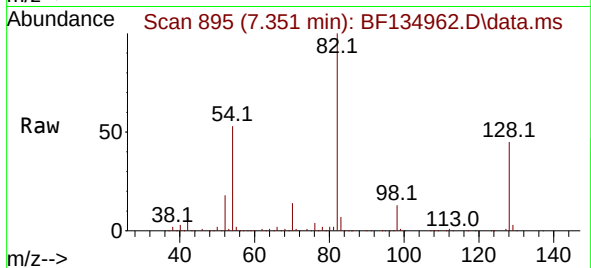
54 53.2 42.6 63.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#37

2-Methylnaphthalene

Concen: 2.240 ng

RT: 8.780 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF134962.D

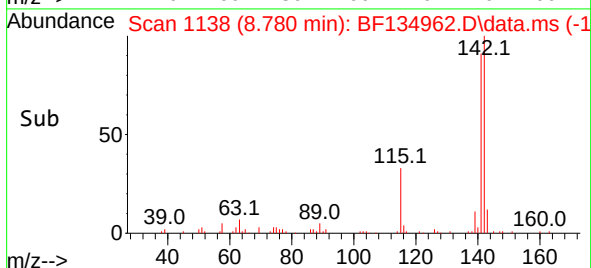
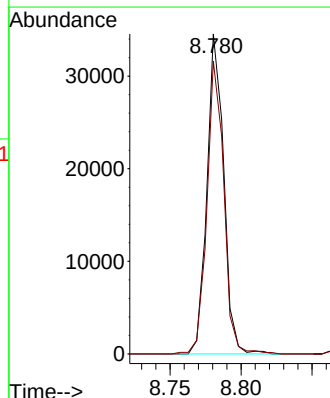
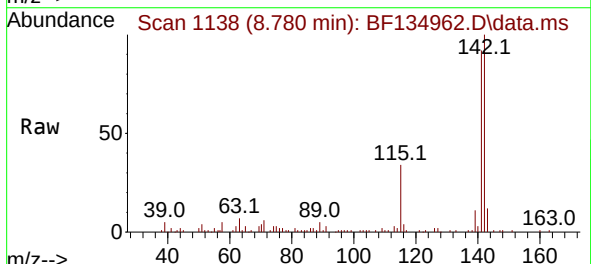
Acq: 28 Aug 2023 11:44

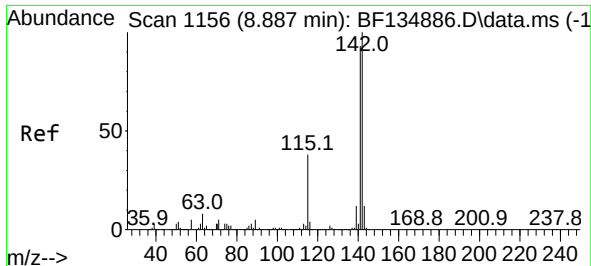
Tgt Ion:142 Resp: 28459

Ion Ratio Lower Upper

142 100

141 91.5 70.2 105.2





#38
1-Methylnaphthalene
Concen: 2.662 ng
RT: 8.880 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

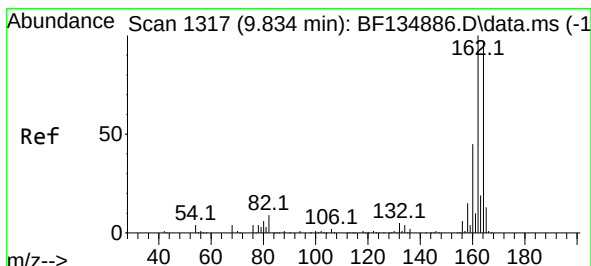
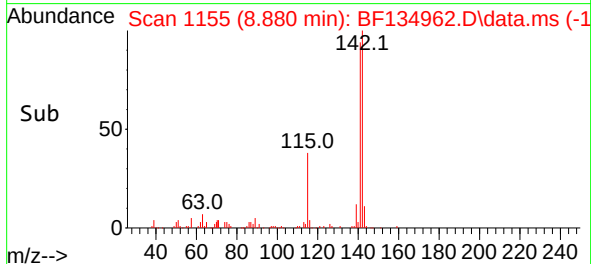
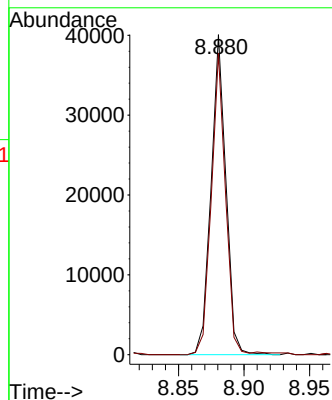
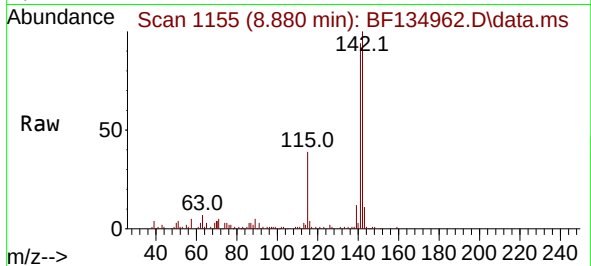
SS-TP-23(0-1)

Tgt Ion:142 Resp: 31628
Ion Ratio Lower Upper
142 100
141 94.1 74.1 111.1

Manual Integrations

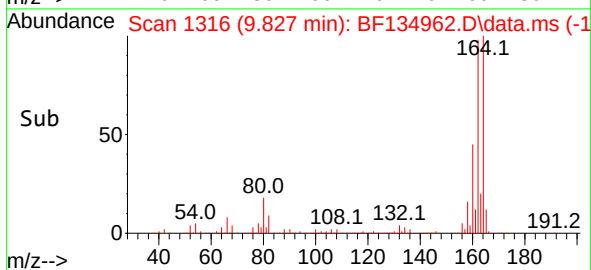
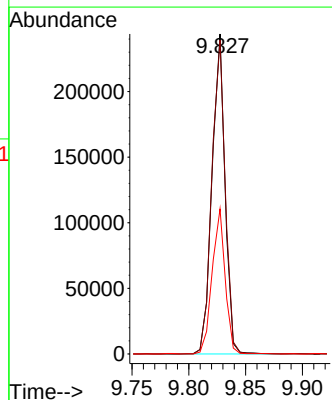
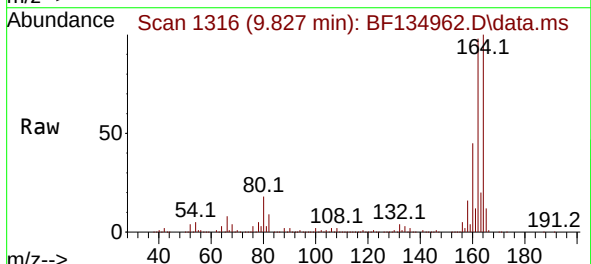
APPROVED

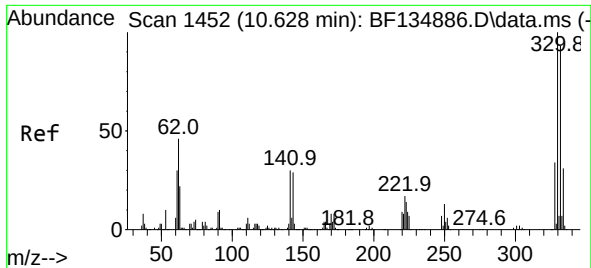
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Tgt Ion:164 Resp: 193220
Ion Ratio Lower Upper
164 100
162 98.1 82.6 123.8
160 45.3 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 85.355 ng
RT: 10.622 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

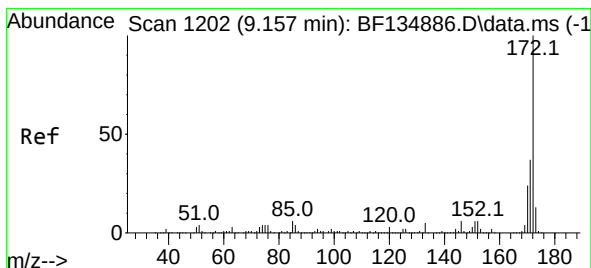
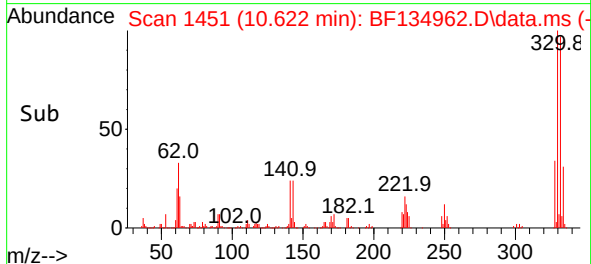
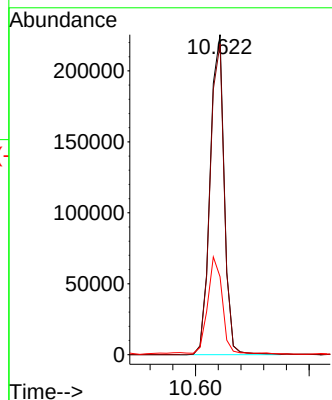
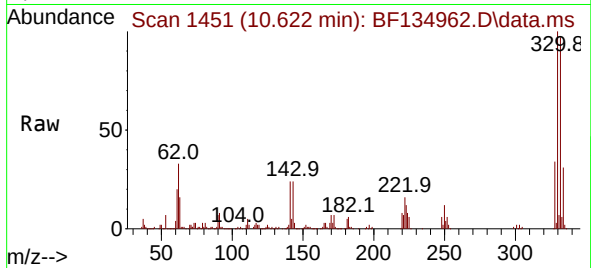
SS-TP-23(0-1)

Tgt Ion:330 Resp: 194238
Ion Ratio Lower Upper
330 100
332 97.9 76.3 114.5
141 32.1 23.4 35.2

Manual Integrations

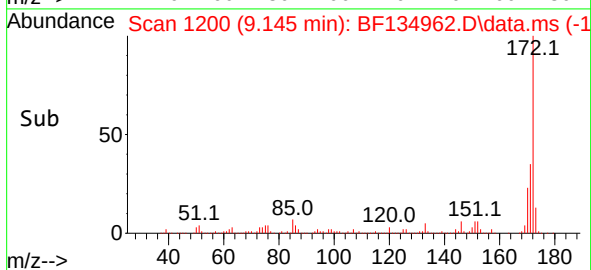
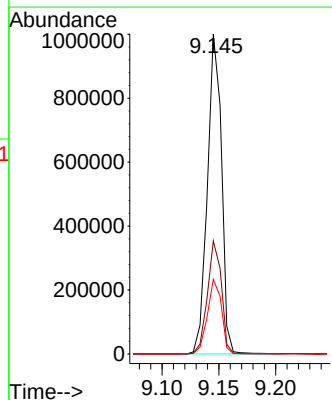
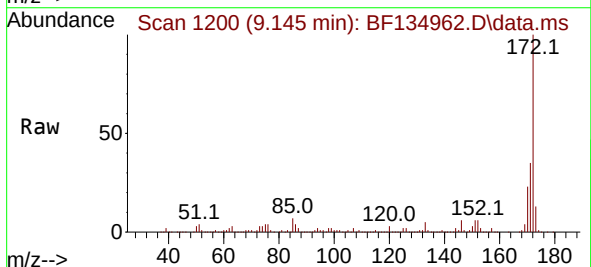
APPROVED

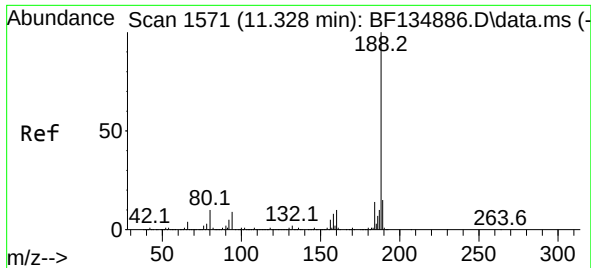
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#45
2-Fluorobiphenyl
Concen: 69.014 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Tgt Ion:172 Resp: 862603
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.0
170 23.3 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

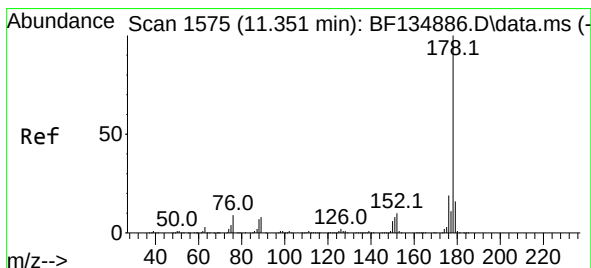
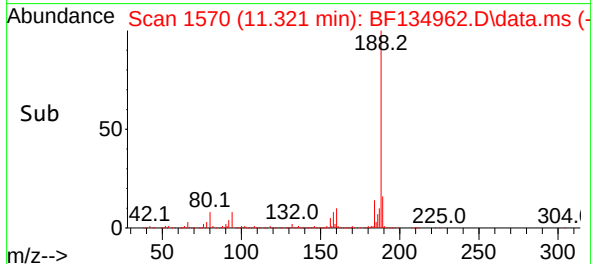
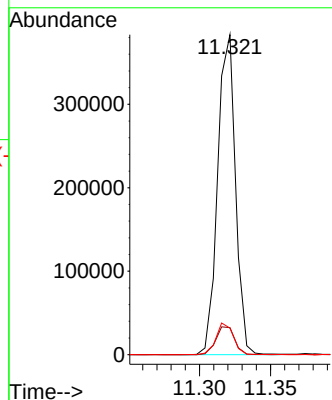
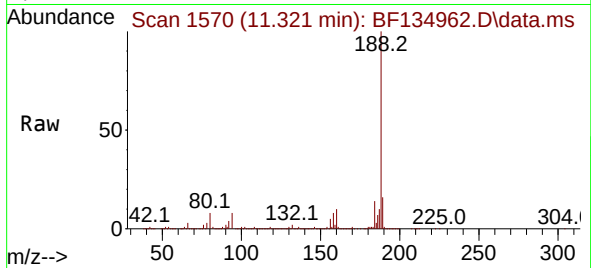
SS-TP-23(0-1)

Tgt Ion:188 Resp: 334829
Ion Ratio Lower Upper
188 100
94 8.5 7.5 11.3
80 8.3 7.8 11.6

Manual Integrations

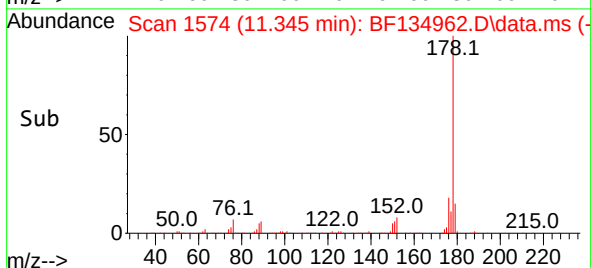
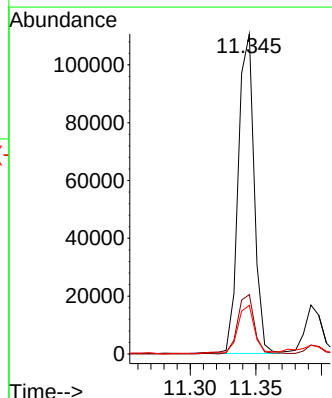
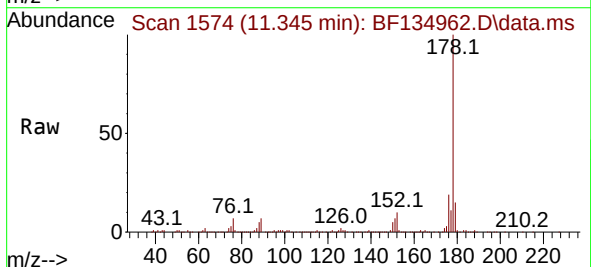
APPROVED

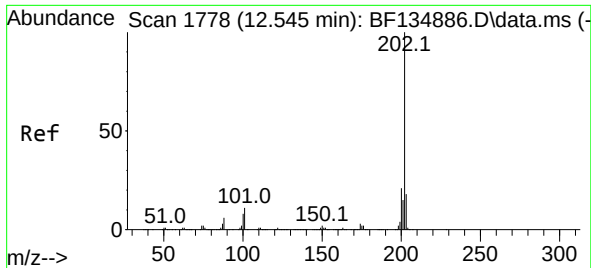
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#71
Phenanthrene
Concen: 5.342 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

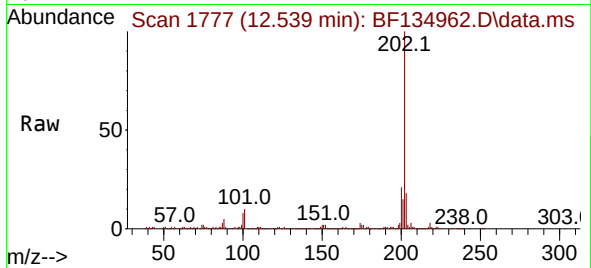
Tgt Ion:178 Resp: 93728
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.2 12.6 19.0





#75
Fluoranthene
Concen: 6.644 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

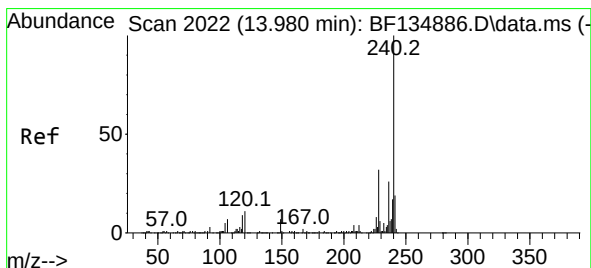
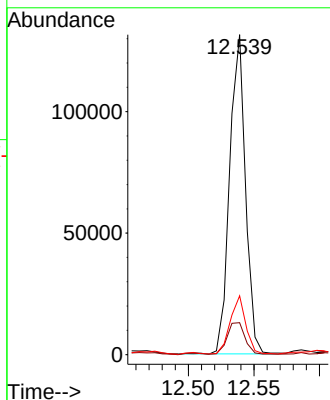
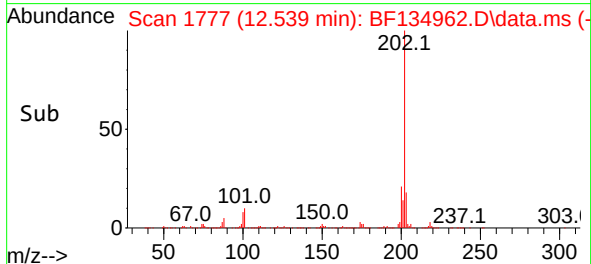
Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)



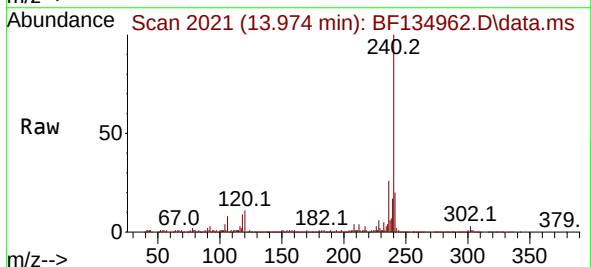
Tgt Ion:202 Resp: 11044
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.5
203 18.4 0.0 37.8

Manual Integrations
APPROVED

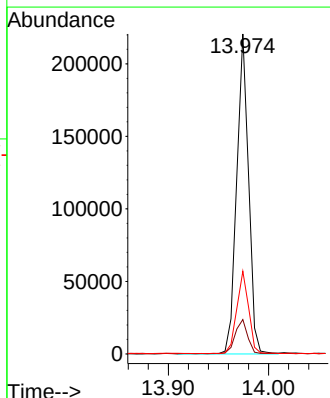
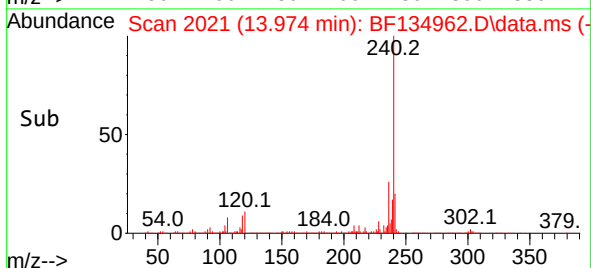
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

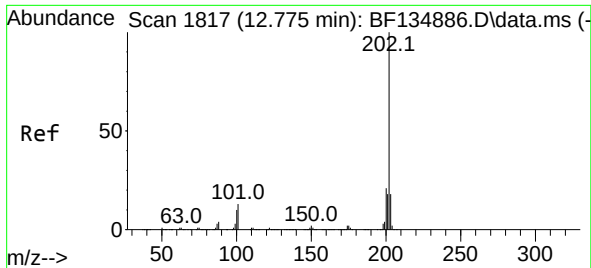


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44



Tgt Ion:240 Resp: 182774
Ion Ratio Lower Upper
240 100
120 10.8 8.6 12.8
236 25.8 20.6 31.0





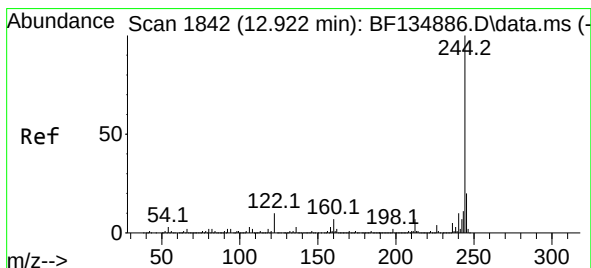
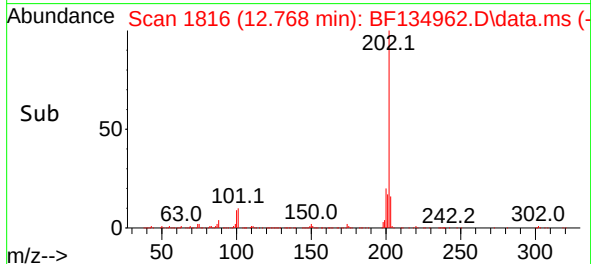
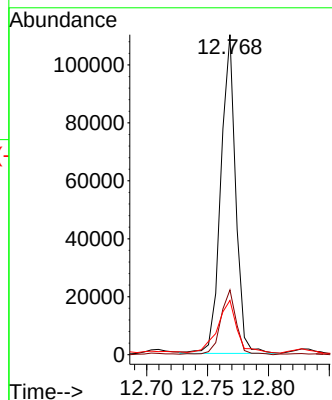
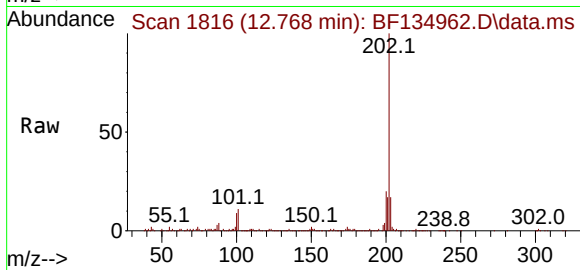
#78
Pyrene
Concen: 4.832 ng
RT: 12.768 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)

Tgt Ion:202 Resp: 93634
Ion Ratio Lower Upper
202 100
200 20.2 17.1 25.7
203 17.0 14.2 21.2

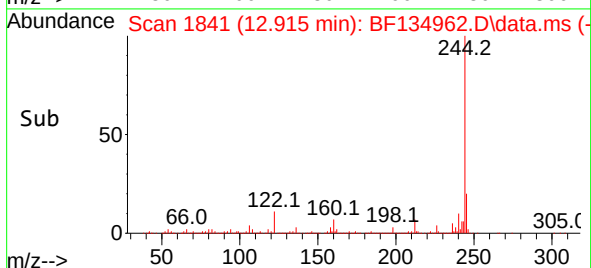
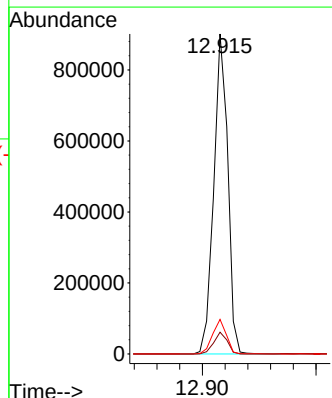
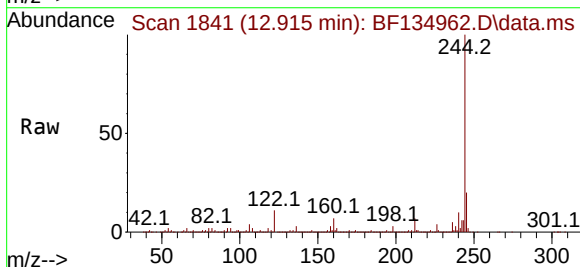
Manual Integrations
APPROVED

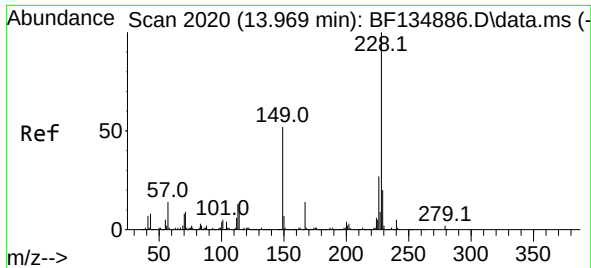
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#79
Terphenyl-d14
Concen: 57.947 ng
RT: 12.915 min Scan# 1841
Delta R.T. -0.007 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Tgt Ion:244 Resp: 770043
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 10.8 8.2 12.4





#81
Benzo(a)anthracene
Concen: 4.440 ng
RT: 13.962 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

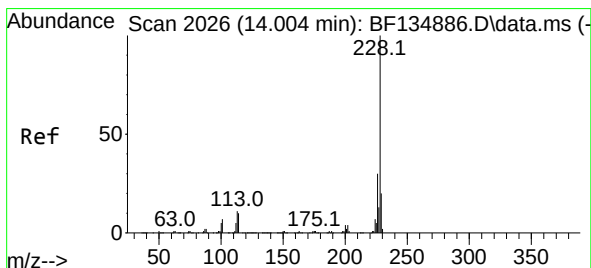
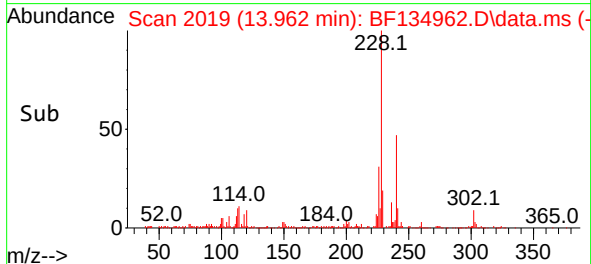
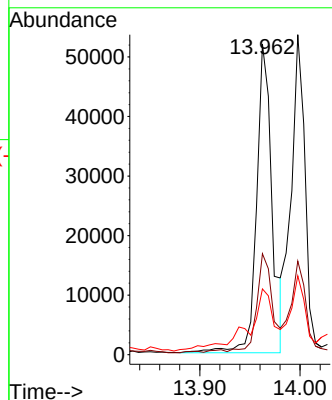
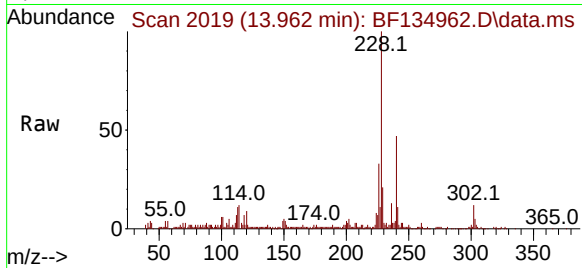
SS-TP-23(0-1)

Tgt Ion:228 Resp: 55364
Ion Ratio Lower Upper
228 100
226 32.5 21.8 32.6
229 21.2 15.6 23.4

Manual Integrations

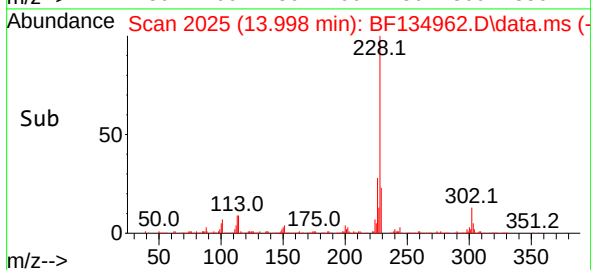
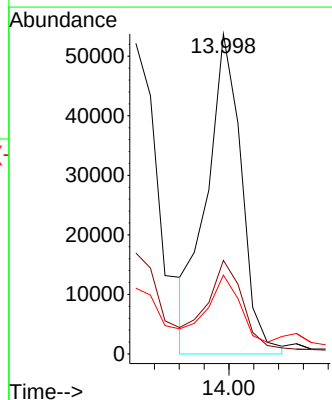
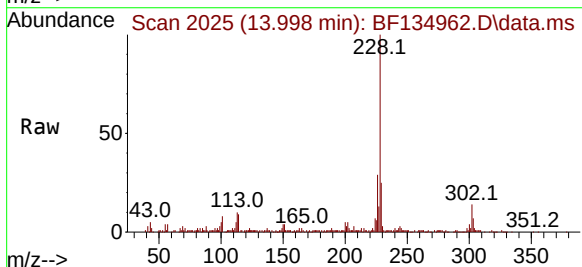
APPROVED

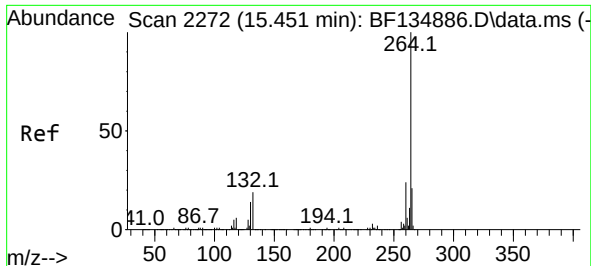
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#83
Chrysene
Concen: 4.251 ng m
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Tgt Ion:228 Resp: 52304
Ion Ratio Lower Upper
228 100
226 29.2 24.2 36.2
229 24.7 16.0 24.0#





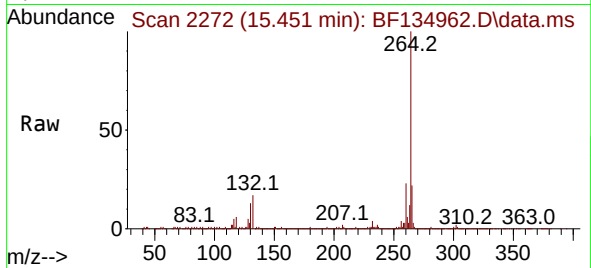
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

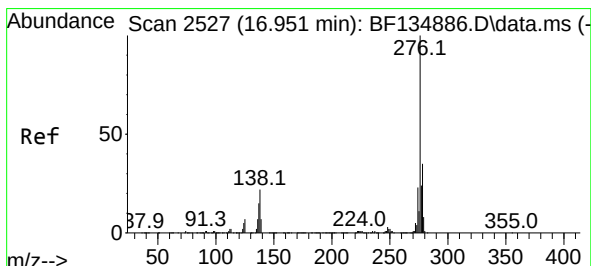
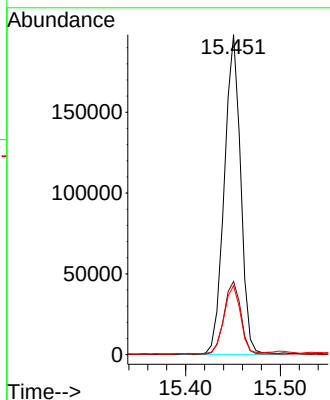
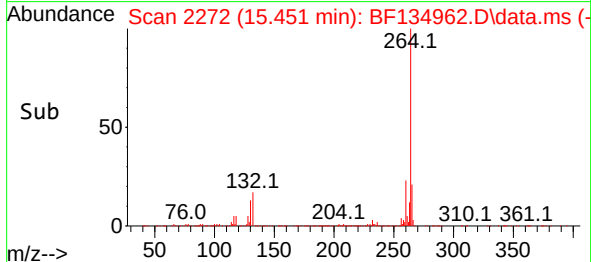


Tgt Ion:264 Resp: 237049
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.6
265 21.6 17.1 25.7

Manual Integrations

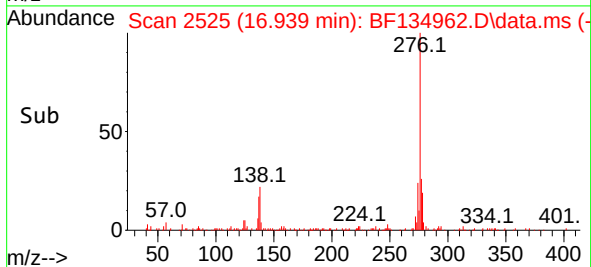
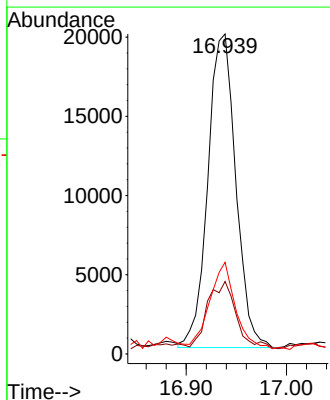
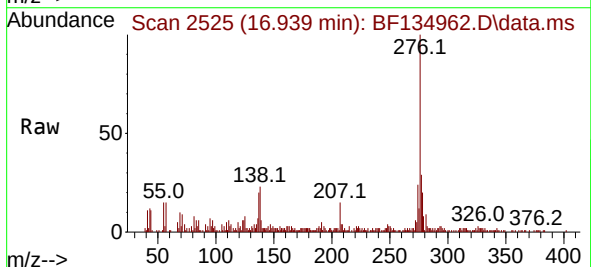
APPROVED

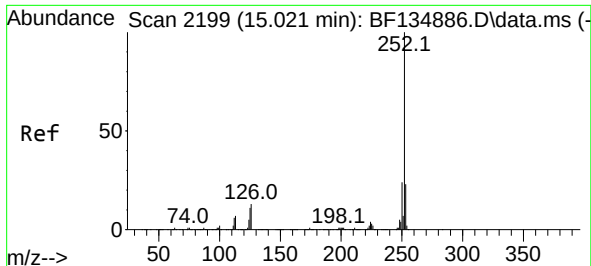
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.266 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.012 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

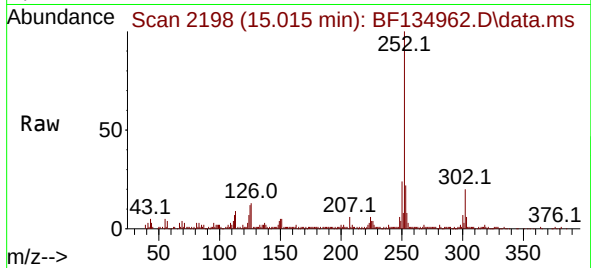
Tgt Ion:276 Resp: 38391
Ion Ratio Lower Upper
276 100
138 22.0 19.7 29.5
277 24.7 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 5.642 ng m
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44

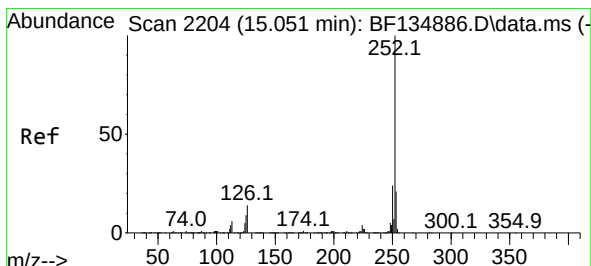
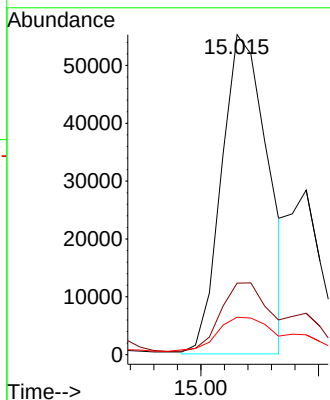
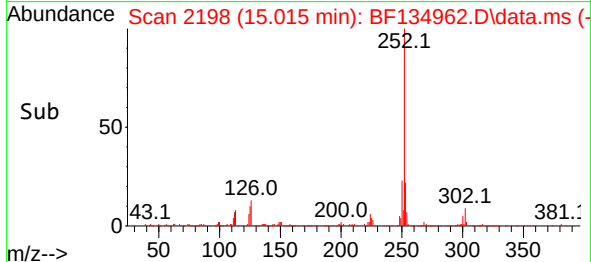
Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)



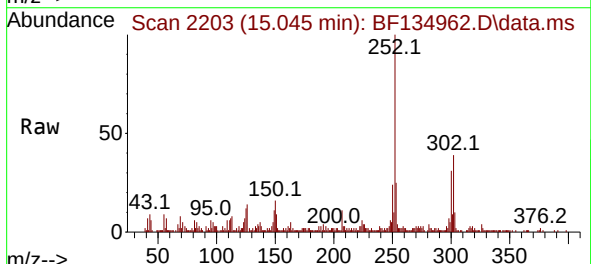
Tgt Ion:252 Resp: 75462
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 11.7 8.4 12.6

Manual Integrations
APPROVED

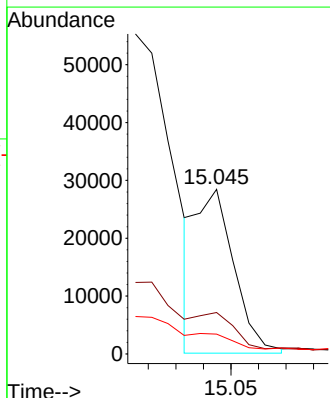
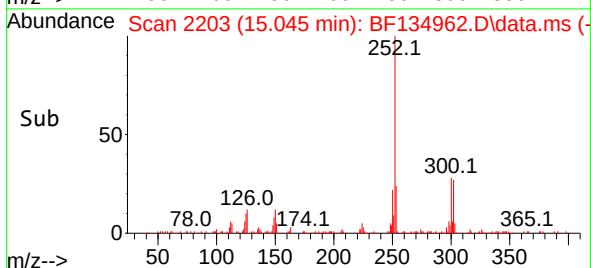
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

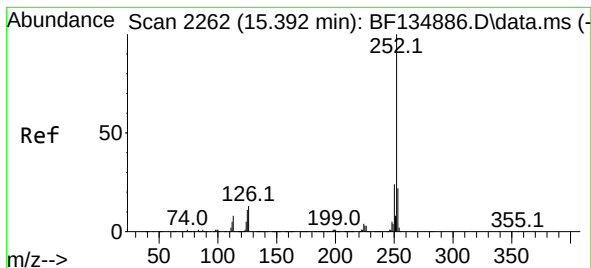


#89
Benzo(k)fluoranthene
Concen: 2.038 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF134962.D
Acq: 28 Aug 2023 11:44



Tgt Ion:252 Resp: 26770
Ion Ratio Lower Upper
252 100
253 25.2 17.1 25.7
125 12.1 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 3.859 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

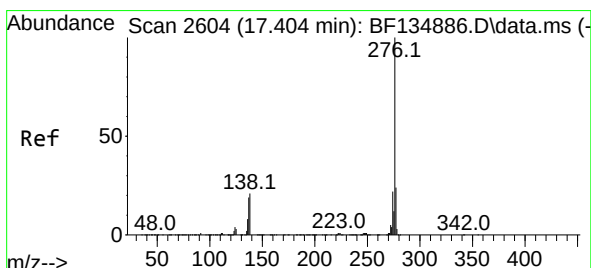
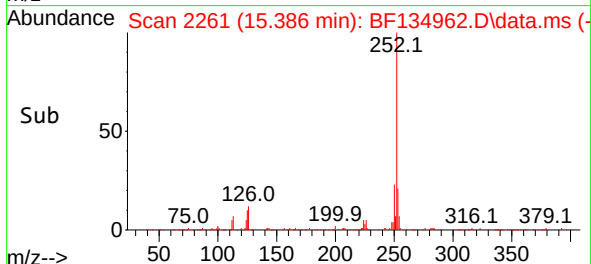
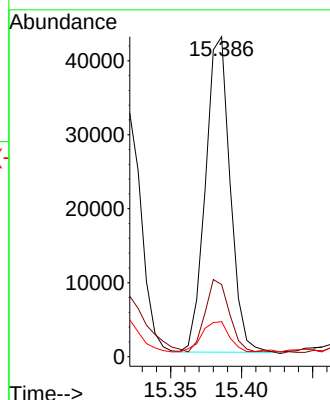
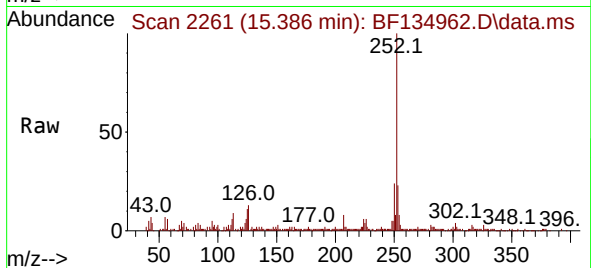
Tgt Ion:	252	Resp:	5151
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.6	26.4
125	11.0	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#92

Benzo(g,h,i)perylene

Concen: 2.598 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.018 min

Lab File: BF134962.D

Acq: 28 Aug 2023 11:44

Tgt Ion:	276	Resp:	36457
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.2	28.8
138	24.1	17.0	25.6

