

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
 Data File : BF132009.D
 Acq On : 10 Jan 2023 22:05
 Operator : CG\JU
 Sample : 01076-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-010923

Quant Time: Jan 11 00:41:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/11/2023
 Supervised By :Jagrut Upadhyay 01/11/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	62819	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	212725	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	101877	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	173746	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	129030	20.000	ng	#-0.01
86) Perylene-d12	15.445	264	103219	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	375978	98.621	ng	0.00
7) Phenol-d6	6.428	99	481895	95.336	ng	0.00
23) Nitrobenzene-d5	7.357	82	336686	65.689	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	89088	76.055	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	516703	68.468	ng	-0.01
79) Terphenyl-d14	12.922	244	444069	49.327	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	36040	3.979	ng	99
75) Fluoranthene	12.545	202	70988	6.969	ng	99
78) Pyrene	12.775	202	69838	5.934	ng	98
81) Benzo(a)anthracene	13.969	228	25375	2.703	ng	# 93
83) Chrysene	14.004	228	25323	2.886	ng	95
88) Benzo(b)fluoranthene	15.016	252	25349m	3.581	ng	
90) Benzo(a)pyrene	15.380	252	16246	2.547	ng	# 89
92) Benzo(g,h,i)perylene	17.351	276	9909	5.141	ng	97

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

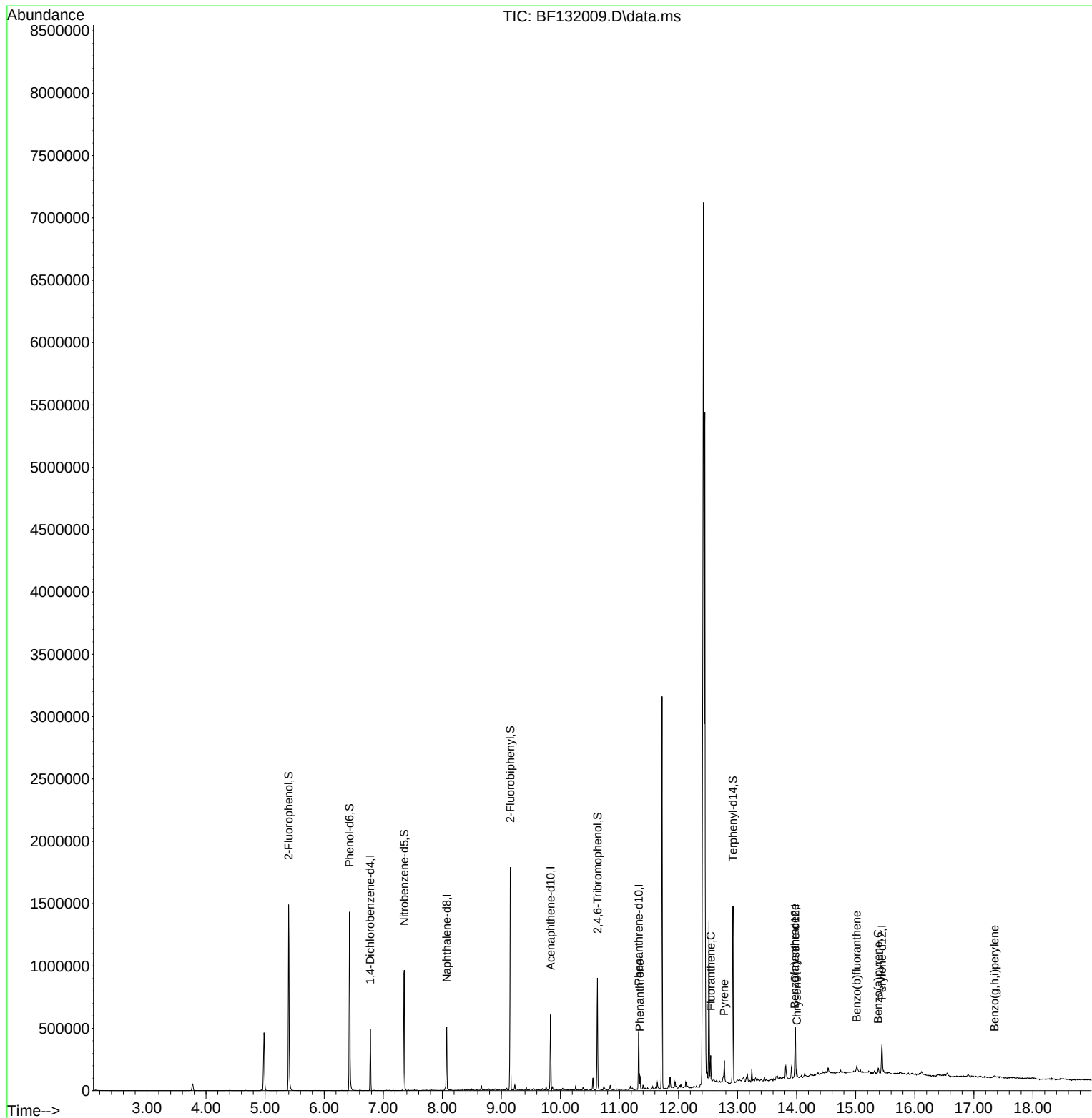
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132009.D
Acq On : 10 Jan 2023 22:05
Operator : CG\JU
Sample : 01076-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

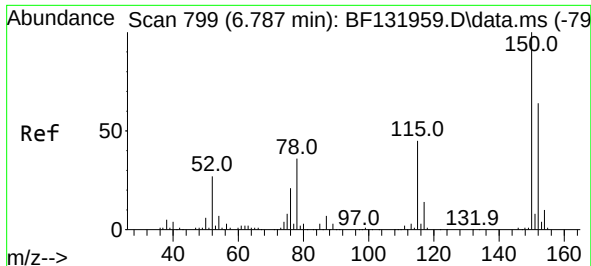
Instrument :
BNA_F
ClientSampleId :
BU-03-010923

Quant Time: Jan 11 00:41:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 10 00:32:25 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

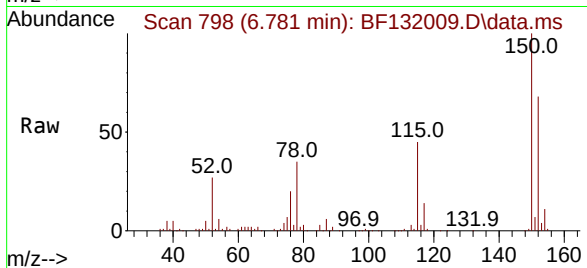
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

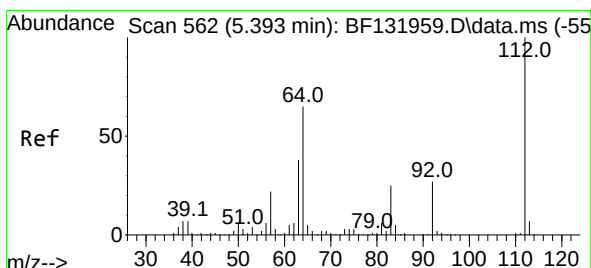
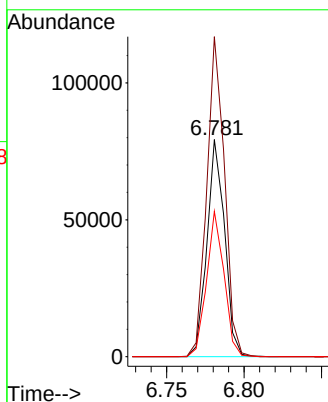
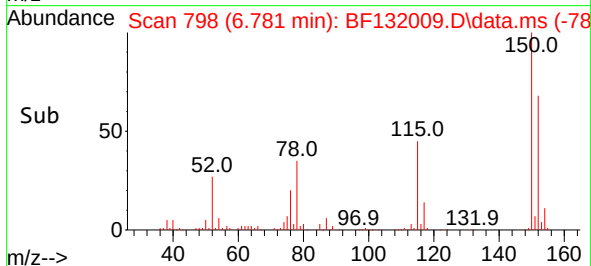
Instrument :
BNA_F
ClientSampleId :
BU-03-010923



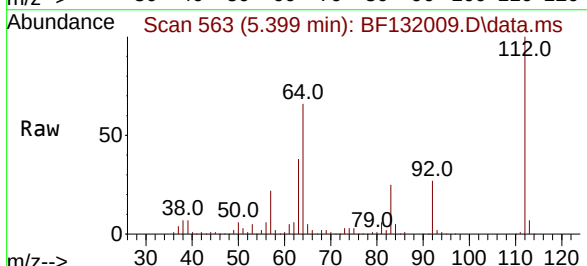
Tgt Ion:152 Resp: 62819
Ion Ratio Lower Upper
152 100
150 147.3 124.6 186.8
115 66.9 55.6 83.4

Manual Integrations
APPROVED

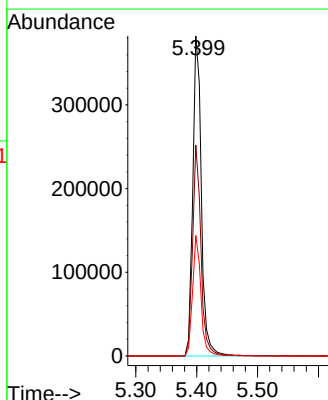
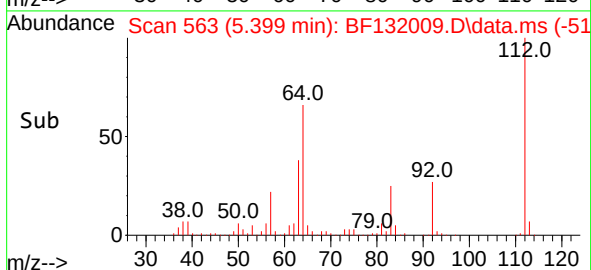
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023

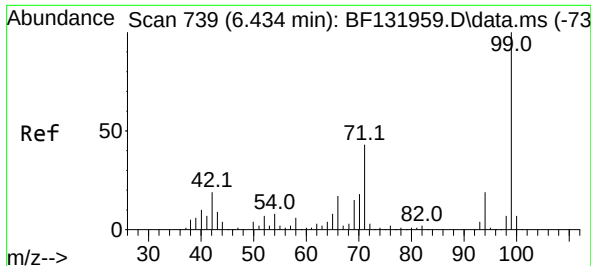


#5
2-Fluorophenol
Concen: 98.621 ng
RT: 5.399 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05



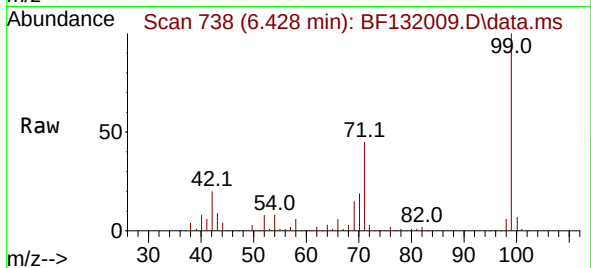
Tgt Ion:112 Resp: 375978
Ion Ratio Lower Upper
112 100
64 65.9 51.9 77.9
63 37.7 30.2 45.2





#7
Phenol-d6
Concen: 95.336 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

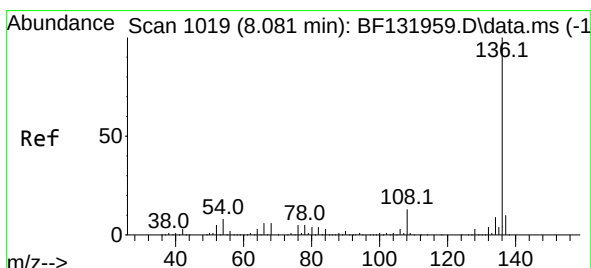
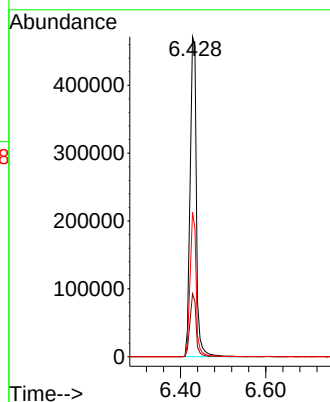
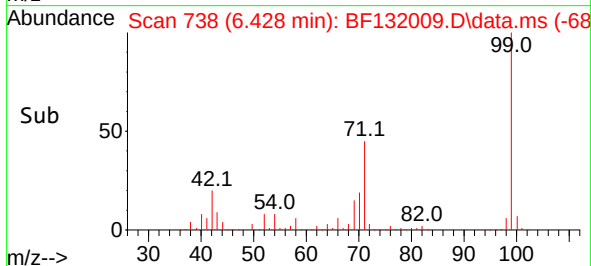
Instrument :
BNA_F
ClientSampleId :
BU-03-010923



Tgt Ion: 99 Resp: 48189
Ion Ratio Lower Upper
99 100
42 19.7 15.4 23.2
71 45.1 34.6 51.8

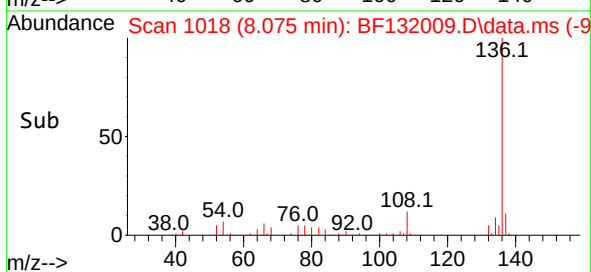
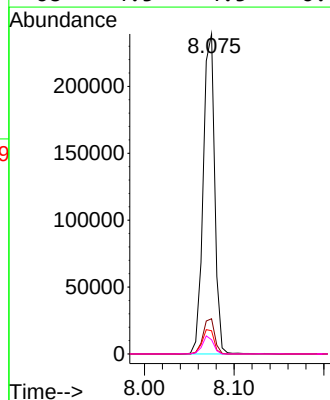
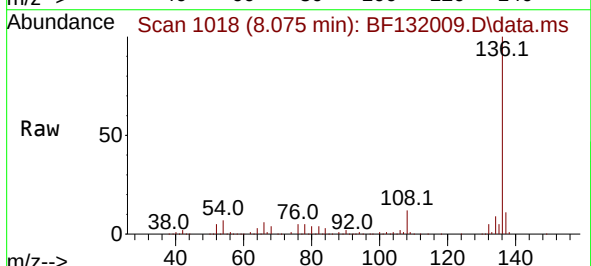
Manual Integrations
APPROVED

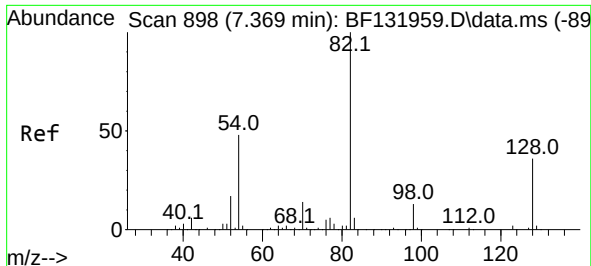
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

Tgt Ion:136 Resp: 212725
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.2
54 7.3 6.6 9.8
68 4.5 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 65.689 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

Instrument :

BNA_F

ClientSampleId :

BU-03-010923

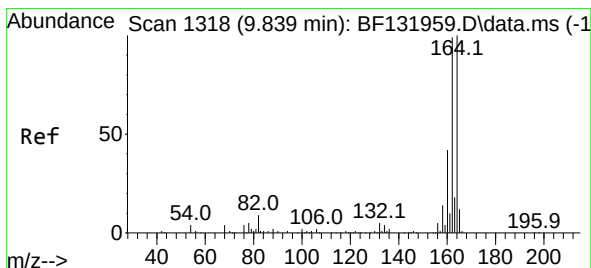
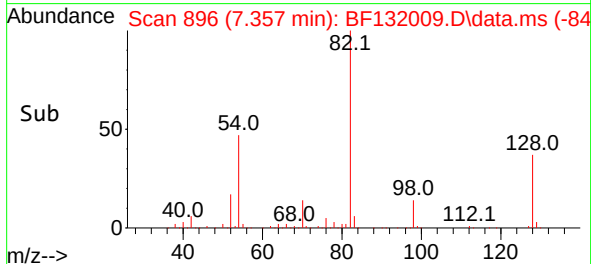
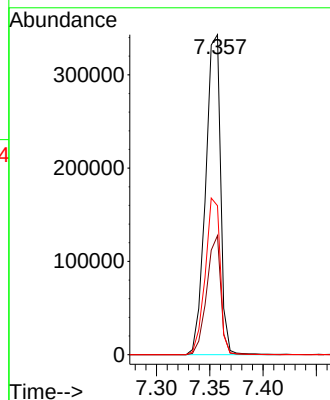
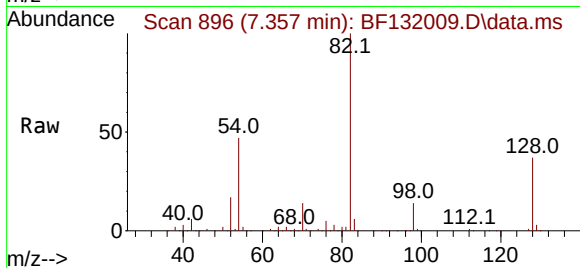
Tgt Ion: 82 Resp: 336680

Ion	Ratio	Lower	Upper
82	100		
128	37.2	28.7	43.1
54	46.6	38.1	57.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1317

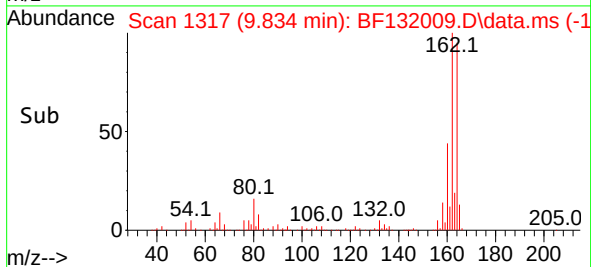
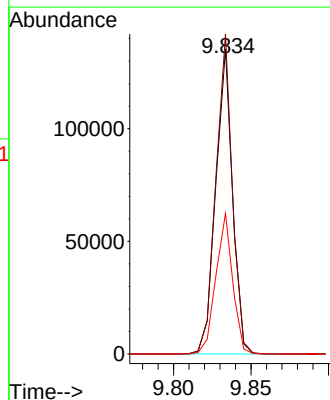
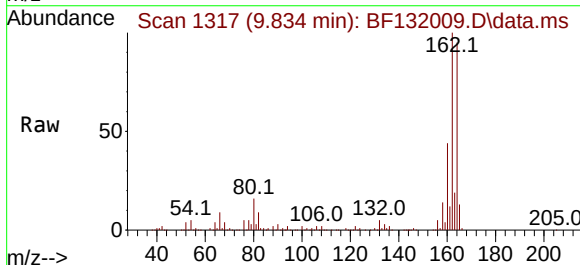
Delta R.T. -0.006 min

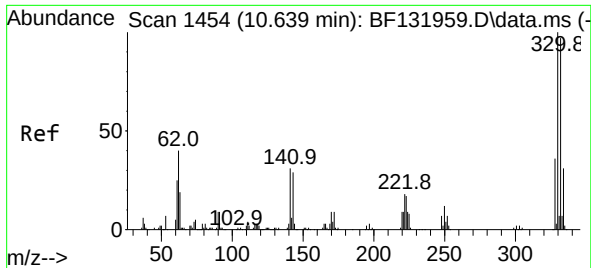
Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

Tgt Ion:164 Resp: 101877

Ion	Ratio	Lower	Upper
164	100		
162	104.9	79.4	119.0
160	46.1	33.9	50.9





#42
2,4,6-Tribromophenol
Concen: 76.055 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

Instrument :

BNA_F

ClientSampleId :

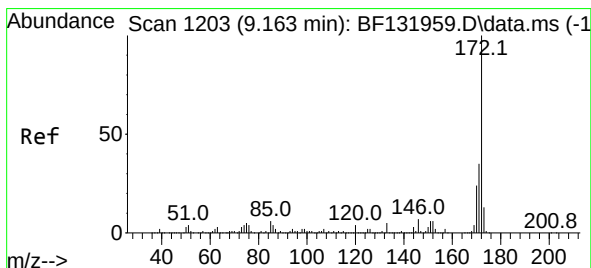
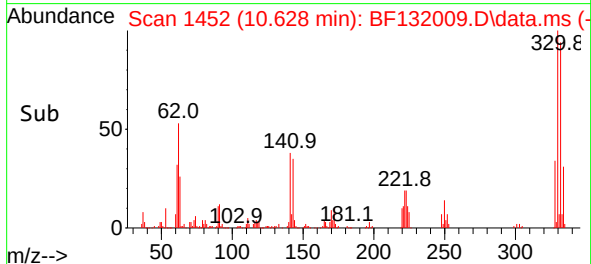
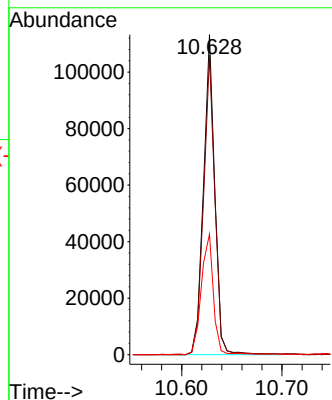
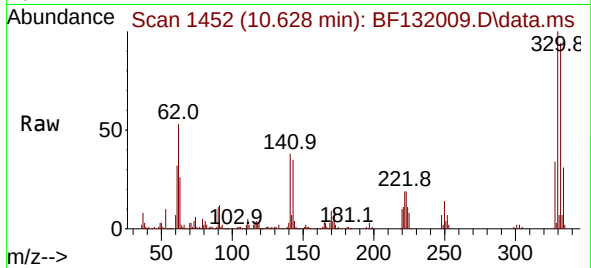
BU-03-010923

Tgt Ion:330 Resp: 8908
Ion Ratio Lower Upper
330 100
332 93.9 76.9 115.3
141 41.0 31.3 46.9

Manual Integrations

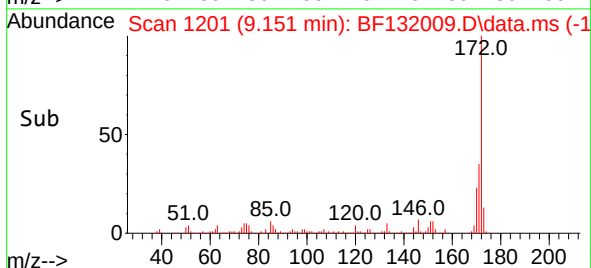
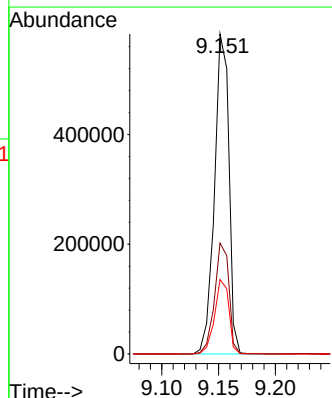
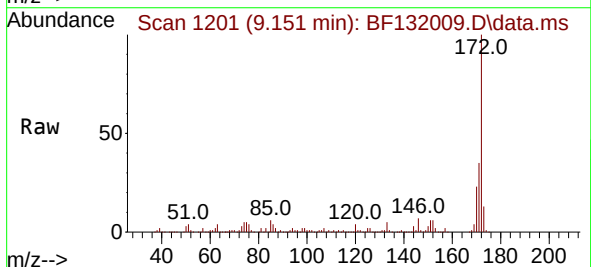
APPROVED

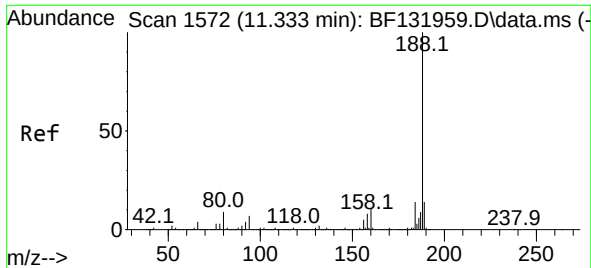
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#45
2-Fluorobiphenyl
Concen: 68.468 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

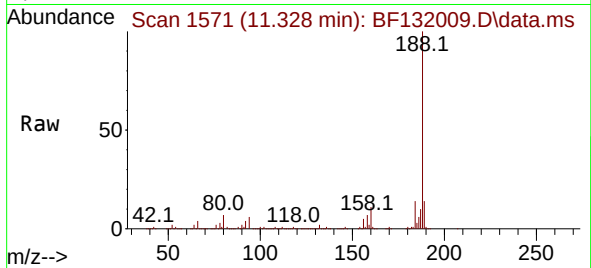
Tgt Ion:172 Resp: 516703
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.2 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

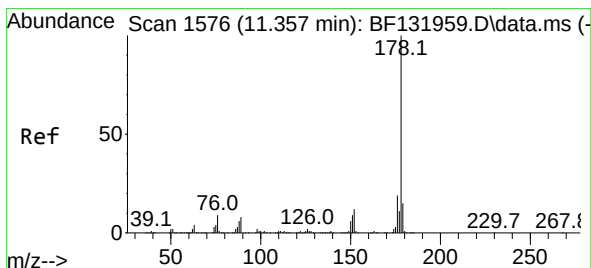
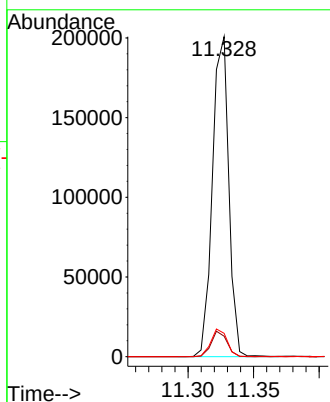
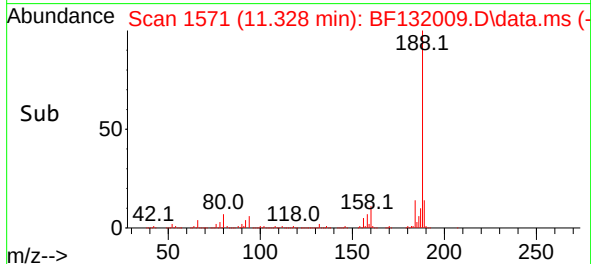
Instrument :
BNA_F
ClientSampleId :
BU-03-010923



Tgt Ion:188 Resp: 173740
Ion Ratio Lower Upper
188 100
94 6.4 5.8 8.6
80 7.3 7.4 11.0

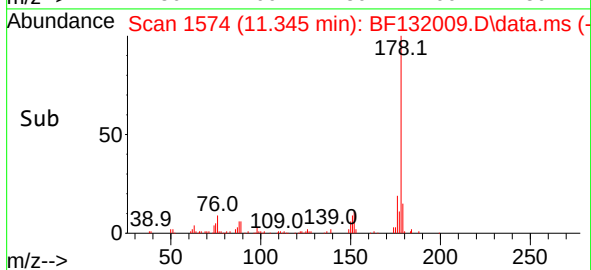
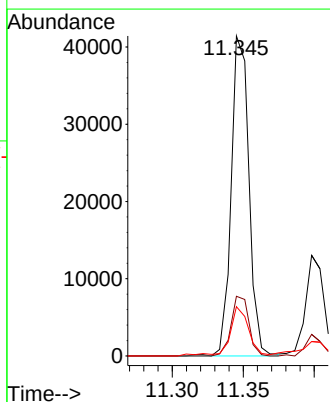
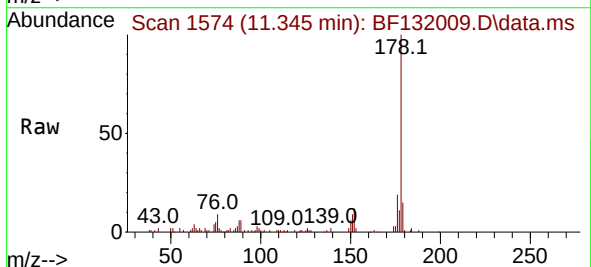
Manual Integrations
APPROVED

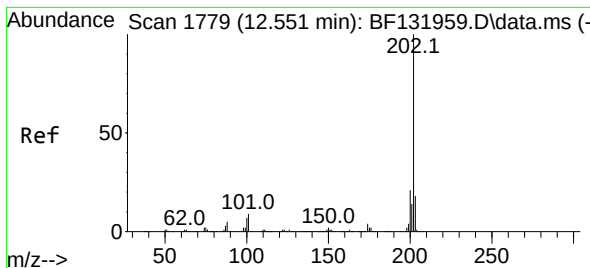
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#71
Phenanthrene
Concen: 3.979 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

Tgt Ion:178 Resp: 36040
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.4 12.4 18.6





#75

Fluoranthene

Concen: 6.969 ng

RT: 12.545 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

Instrument :

BNA_F

ClientSampleId :

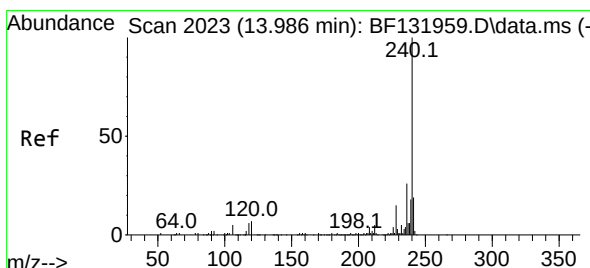
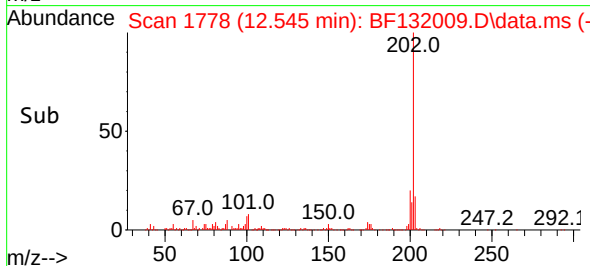
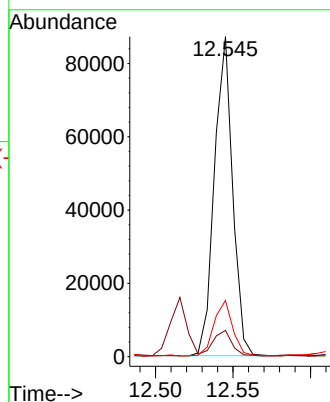
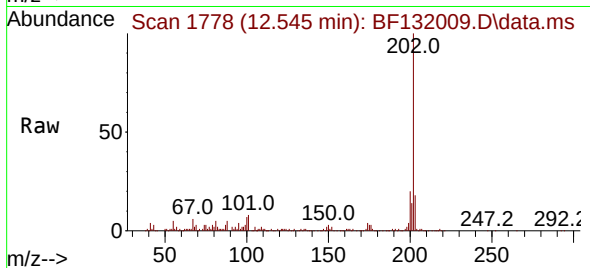
BU-03-010923

Tgt Ion:202 Resp: 70988
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 28.8
 203 17.5 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/11/2023
 Supervised By :Jagrut Upadhyay 01/11/2023



#76

Chrysene-d12

Concen: 20.000 ng

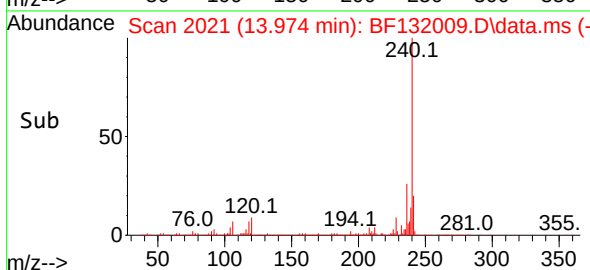
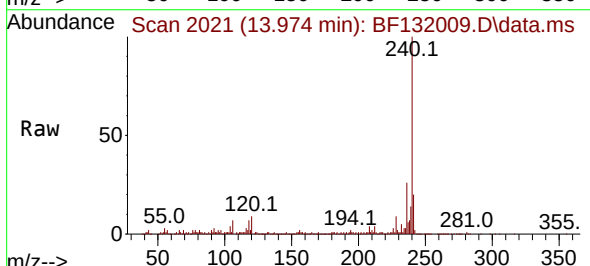
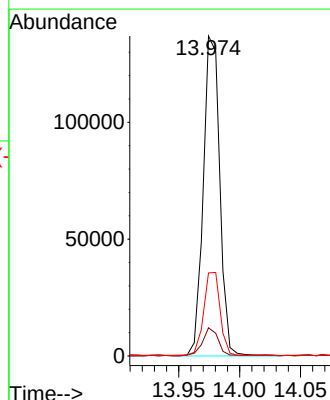
RT: 13.974 min Scan# 2021

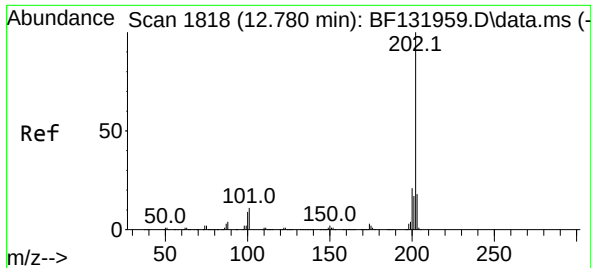
Delta R.T. -0.012 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

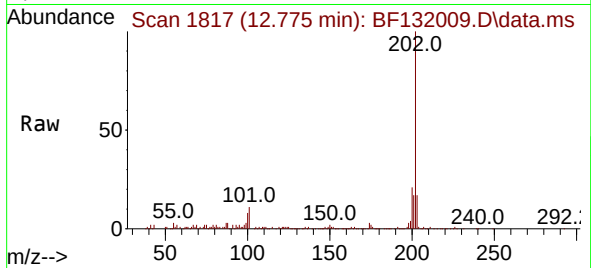
Tgt Ion:240 Resp: 129030
 Ion Ratio Lower Upper
 240 100
 120 8.8 5.4 8.0#
 236 26.0 21.1 31.7





#78
 Pyrene
 Concen: 5.934 ng
 RT: 12.775 min Scan# 1817
 Delta R.T. -0.006 min
 Lab File: BF132009.D
 Acq: 10 Jan 2023 22:05

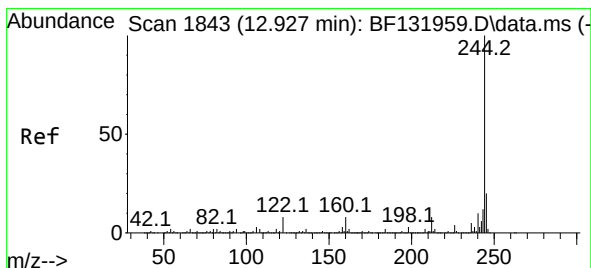
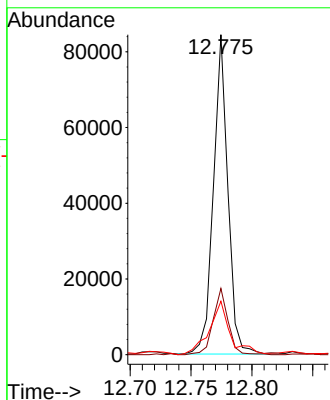
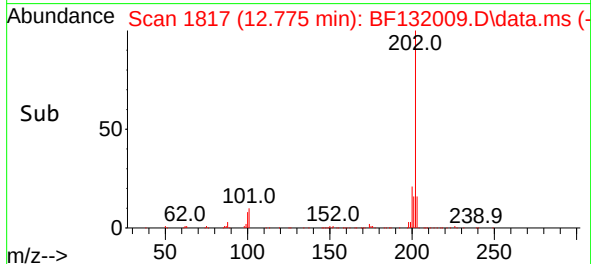
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-010923



Tgt Ion:202 Resp: 69838
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.0 25.6
 203 16.7 14.1 21.1

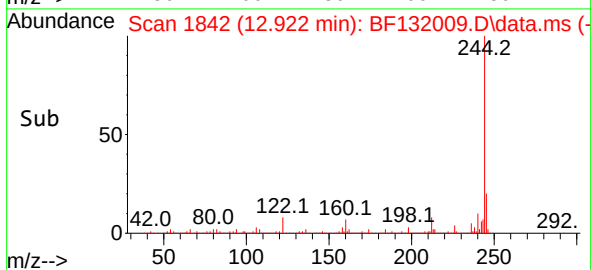
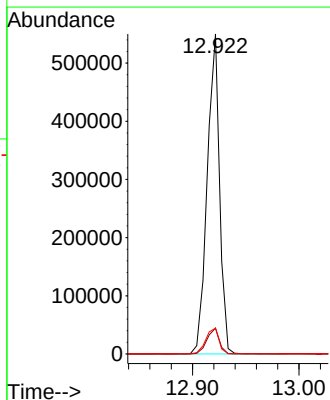
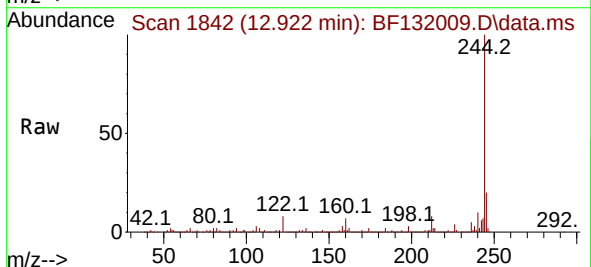
Manual Integrations
 APPROVED

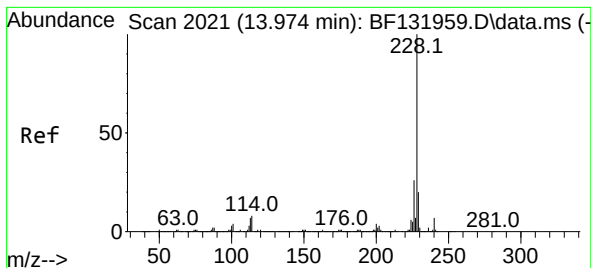
Reviewed By :Christian Giraldo 01/11/2023
 Supervised By :Jagrut Upadhyay 01/11/2023



#79
 Terphenyl-d14
 Concen: 49.327 ng
 RT: 12.922 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF132009.D
 Acq: 10 Jan 2023 22:05

Tgt Ion:244 Resp: 444069
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.3 9.5
 122 8.0 6.8 10.2





#81

Benzo(a)anthracene

Concen: 2.703 ng

RT: 13.969 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

Instrument :

BNA_F

ClientSampleId :

BU-03-010923

Tgt Ion:228 Resp: 25375

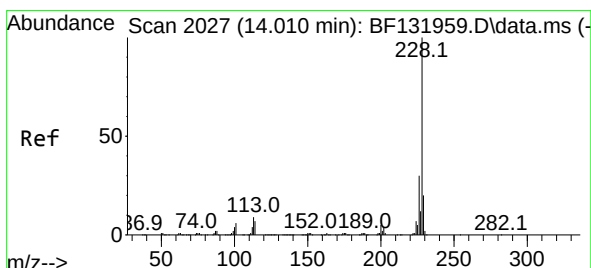
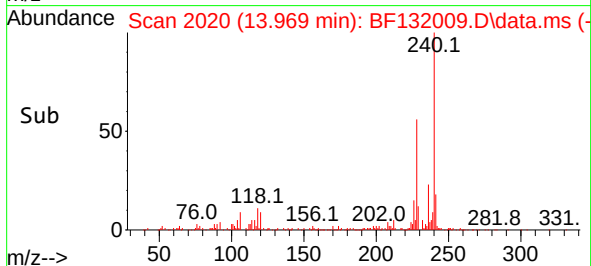
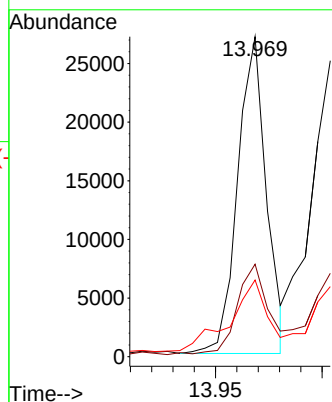
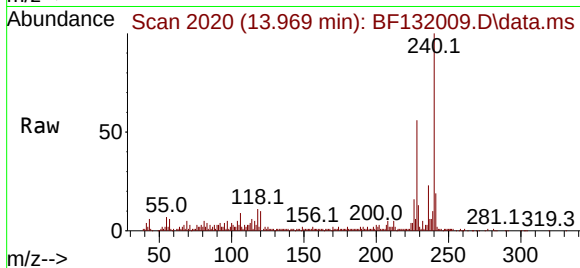
Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.0	31.4
229	24.0	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/11/2023

Supervised By :Jagrut Upadhyay 01/11/2023



#83

Chrysene

Concen: 2.886 ng

RT: 14.004 min Scan# 2026

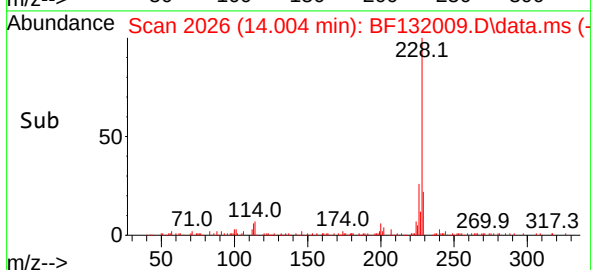
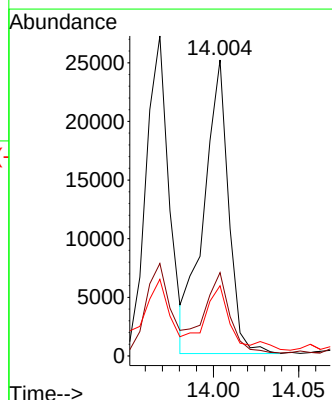
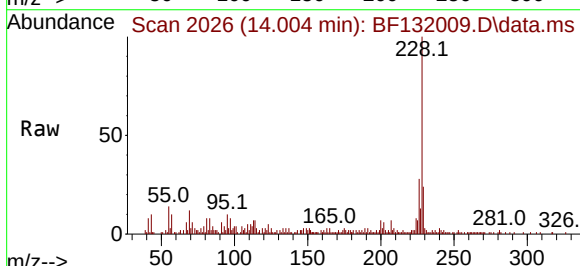
Delta R.T. -0.006 min

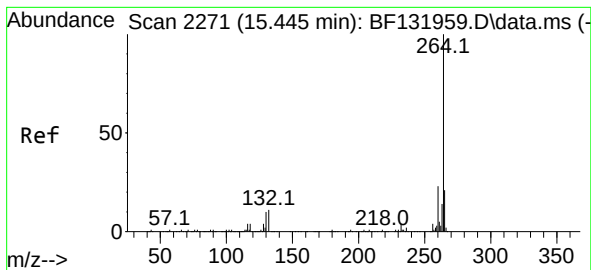
Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

Tgt Ion:228 Resp: 25323

Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.0	36.0
229	23.7	16.2	24.4





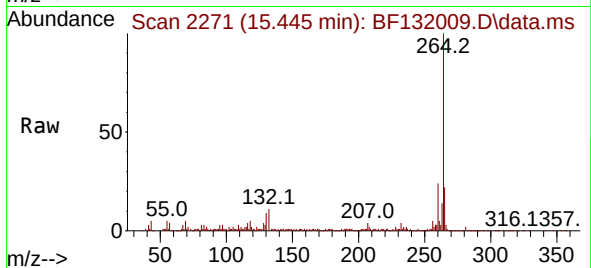
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

Instrument :

BNA_F

ClientSampleId :

BU-03-010923

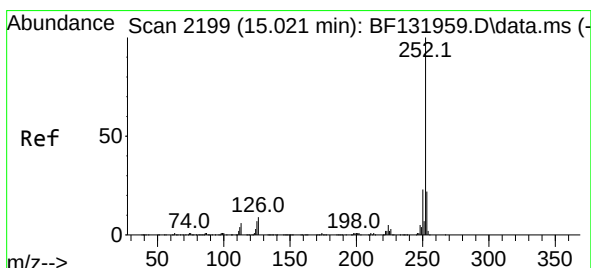
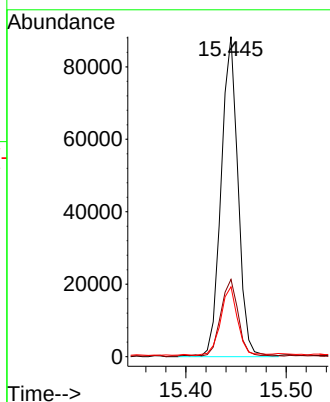
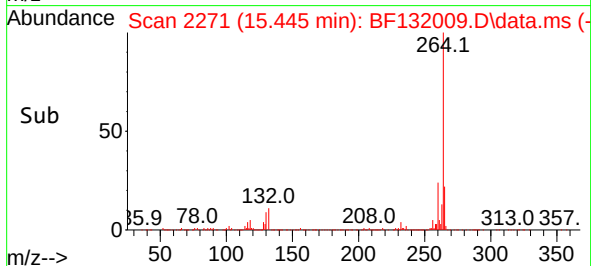


Tgt Ion:264 Resp: 103219
Ion Ratio Lower Upper
264 100
260 24.1 18.3 27.5
265 21.8 16.9 25.3

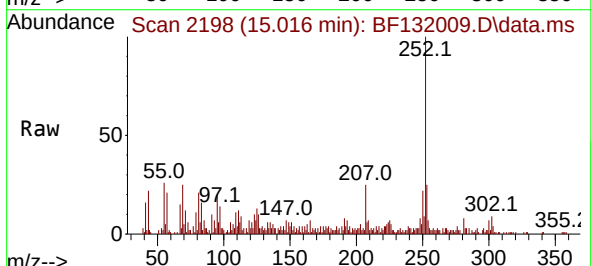
Manual Integrations

APPROVED

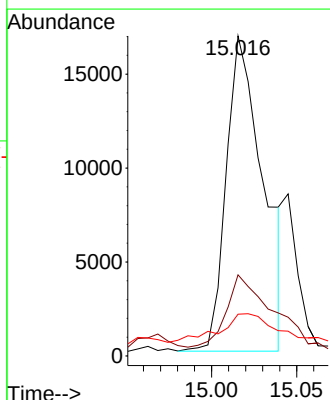
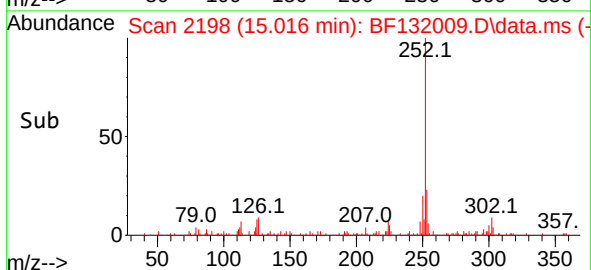
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023

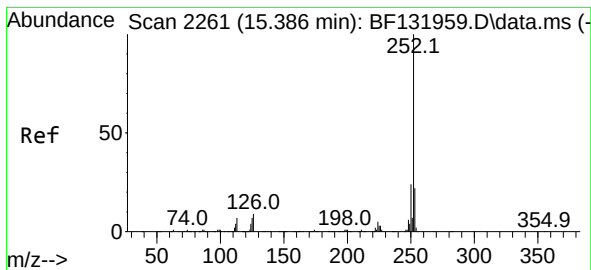


#88
Benzo(b)fluoranthene
Concen: 3.581 ng m
RT: 15.016 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05



Tgt Ion:252 Resp: 25349
Ion Ratio Lower Upper
252 100
253 25.3 18.0 27.0
125 13.1 5.8 8.6#





#90

Benzo(a)pyrene

Concen: 2.547 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

Instrument :

BNA_F

ClientSampleId :

BU-03-010923

Tgt Ion:252 Resp: 16240

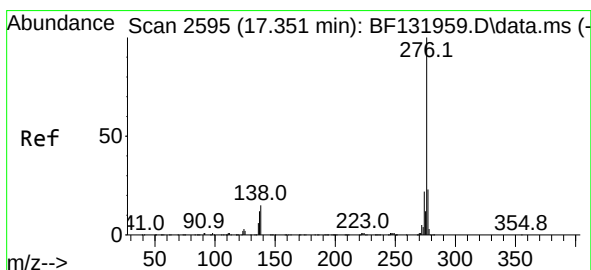
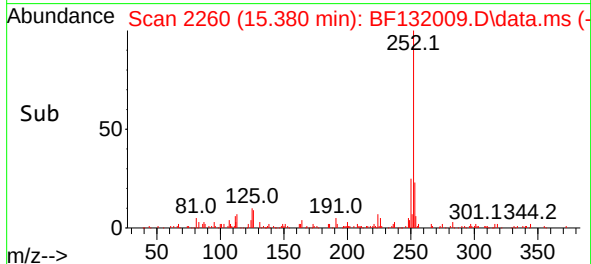
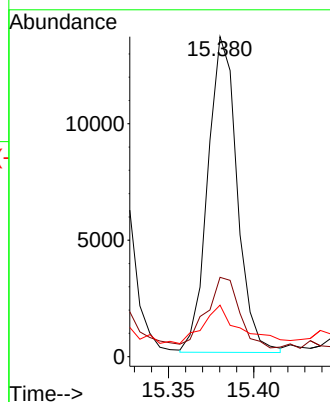
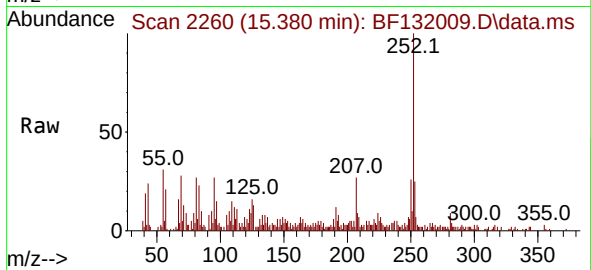
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.0
125	16.1	5.7	8.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/11/2023

Supervised By :Jagrut Upadhyay 01/11/2023



#92

Benzo(g,h,i)perylene

Concen: 5.141 ng

RT: 17.351 min Scan# 2595

Delta R.T. -0.000 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

Tgt Ion:276 Resp: 9909

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.2	27.2
138	15.1	11.7	17.5

