

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133426.D
 Acq On : 17 May 2023 21:55
 Operator : CG\JU
 Sample : 02813-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023

Quant Time: May 18 04:06:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	236931	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	847997	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	339427	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	483123	20.000	ng	-0.01
76) Chrysene-d12	13.874	240	361994	20.000	ng	-0.01
86) Perylene-d12	15.298	264	281165	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	981865	62.601	ng	0.00
7) Phenol-d6	6.363	99	1170063	60.103	ng	0.00
23) Nitrobenzene-d5	7.275	82	708550	45.101	ng	-0.02
42) 2,4,6-Tribromophenol	10.539	330	190162	55.707	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	1400610	69.035	ng	-0.01
79) Terphenyl-d14	12.821	244	931879	44.398	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	12.445	202	94903	3.642	ng	97
78) Pyrene	12.674	202	93438	3.011	ng	98
81) Benzo(a)anthracene	13.862	228	63807	2.563	ng	98
83) Chrysene	13.898	228	65855	2.646	ng	95
87) Indeno(1,2,3-cd)pyrene	16.674	276	37518	2.346	ng	95
88) Benzo(b)fluoranthene	14.892	252	73515m	4.110	ng	
90) Benzo(a)pyrene	15.233	252	46635	2.864	ng	# 92
92) Benzo(g,h,i)perylene	17.092	276	40825	3.100	ng	98

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

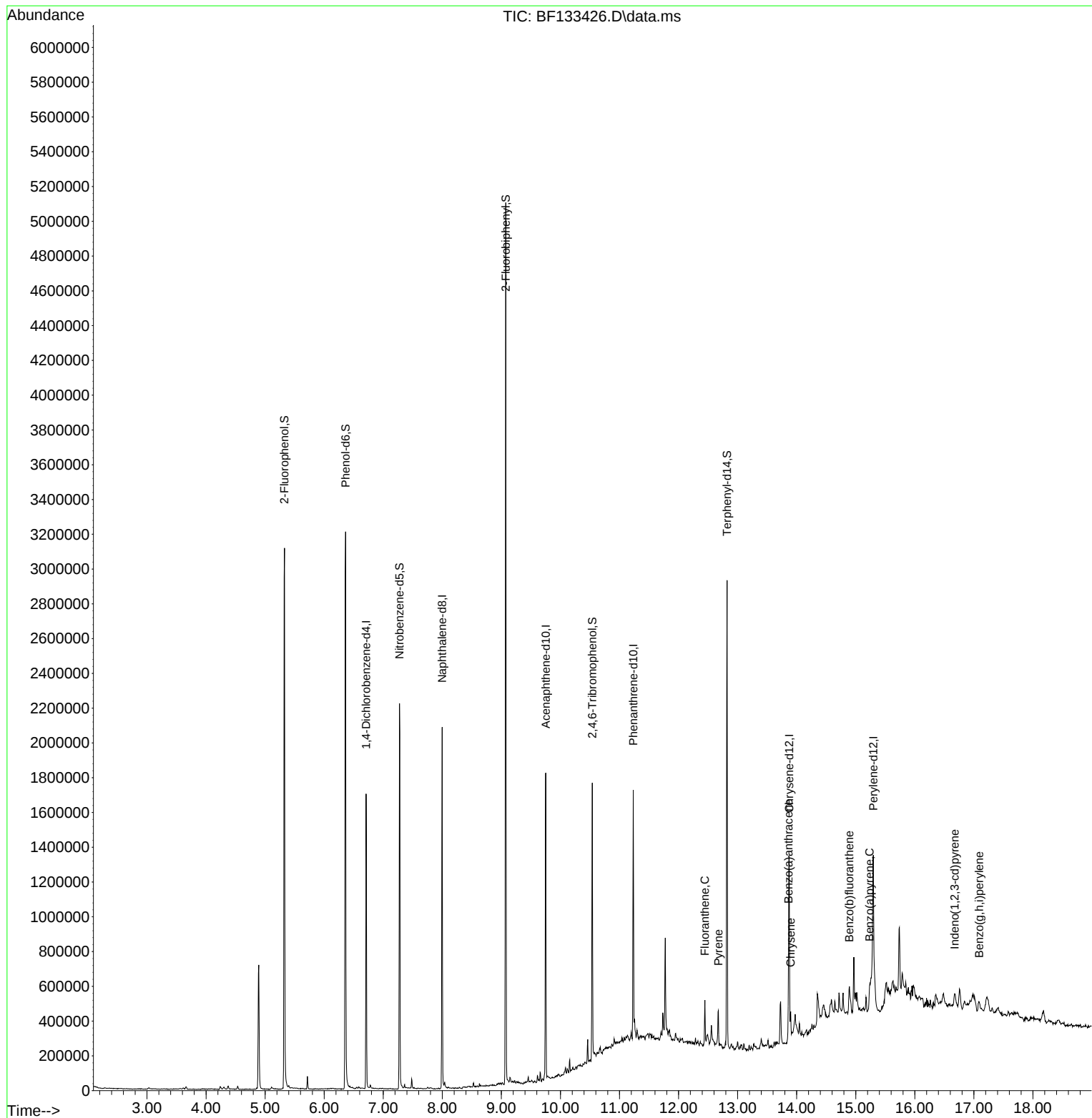
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133426.D
Acq On : 17 May 2023 21:55
Operator : CG\JU
Sample : 02813-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

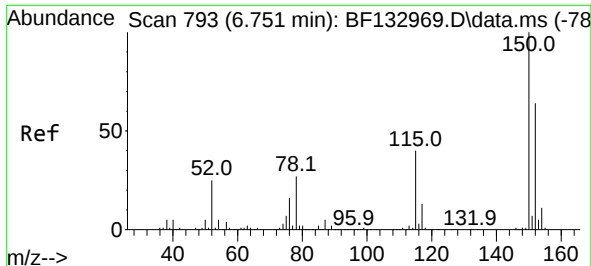
Instrument :
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WC-1

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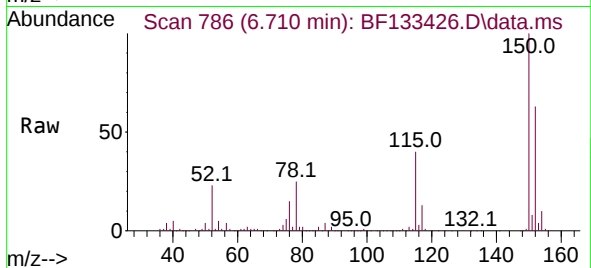
Quant Time: May 18 04:06:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 16 14:39:29 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 793
Delta R.T. -0.012 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

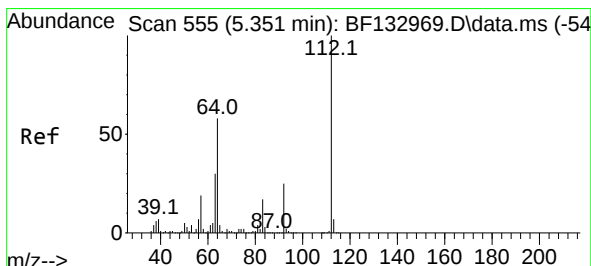
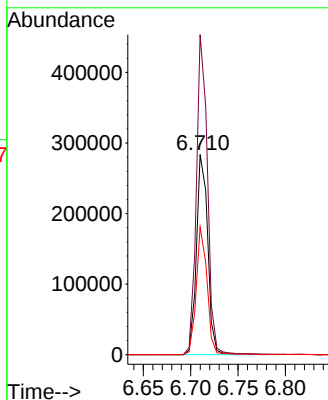
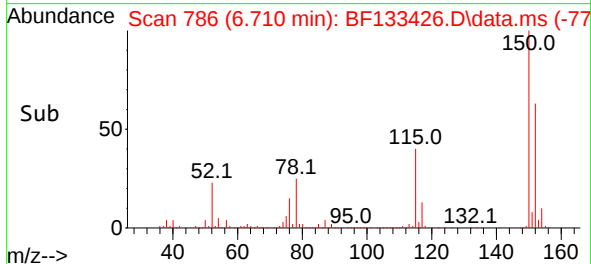
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:152 Resp: 23693
Ion Ratio Lower Upper
152 100
150 159.8 124.8 187.2
115 63.8 49.9 74.9

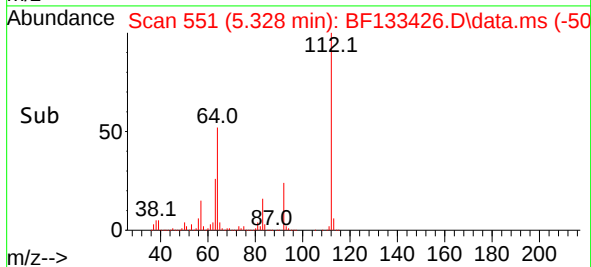
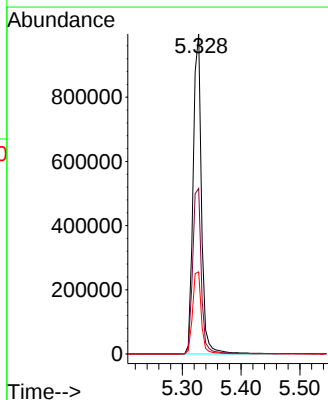
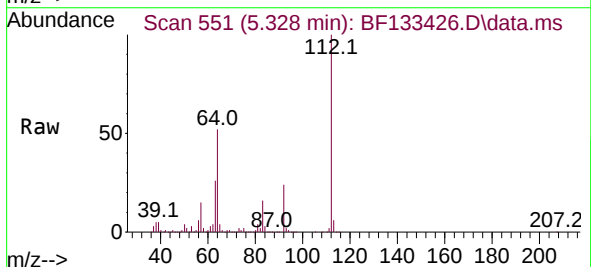
Manual Integrations
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#5
2-Fluorophenol
Concen: 62.601 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

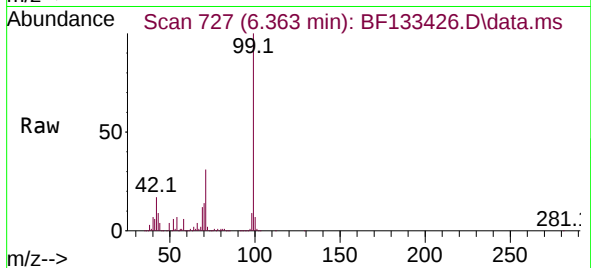
Tgt Ion:112 Resp: 981865
Ion Ratio Lower Upper
112 100
64 51.7 46.8 70.2
63 25.7 23.8 35.8





#7
Phenol-d6
Concen: 60.103 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

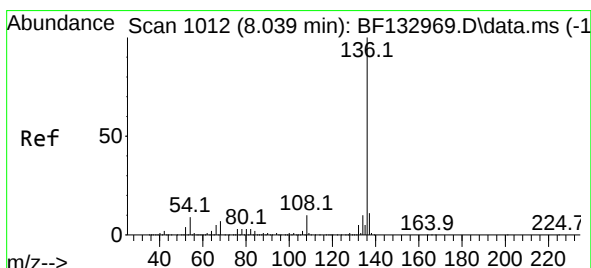
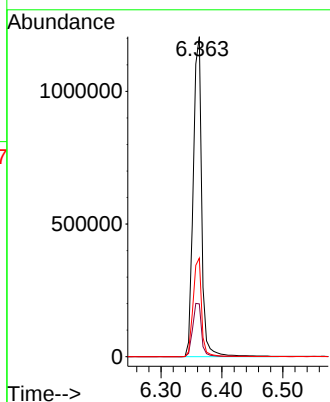
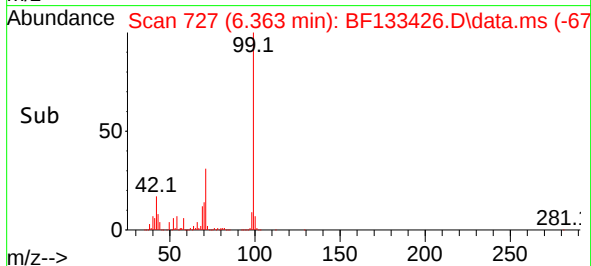
Instrument :
BNA_F
ClientSampleId :
WC-1



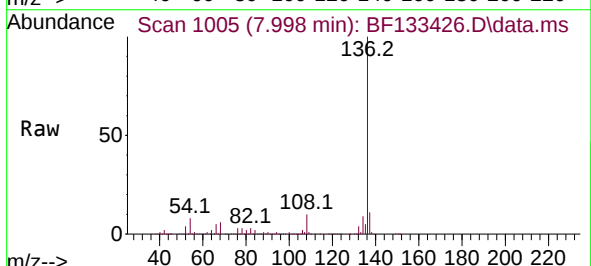
Tgt Ion: 99 Resp: 117006
Ion Ratio Lower Upper
99 100
42 16.5 16.3 24.5
71 30.8 25.6 38.4

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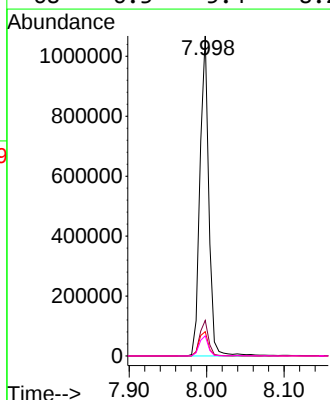
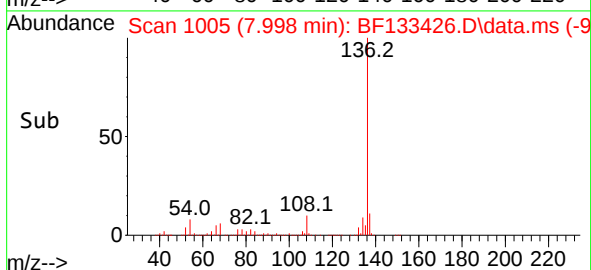
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

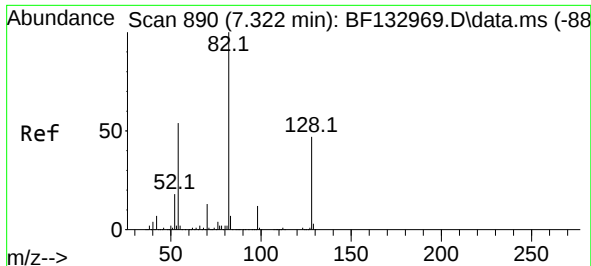


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55



Tgt Ion:136 Resp: 847997
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.6 7.0 10.4
68 6.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 45.101 ng

RT: 7.275 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Instrument :

BNA_F

ClientSampleId :

WC-1

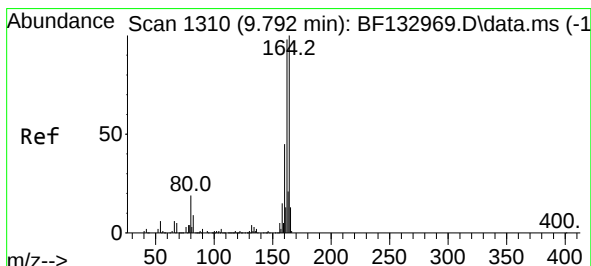
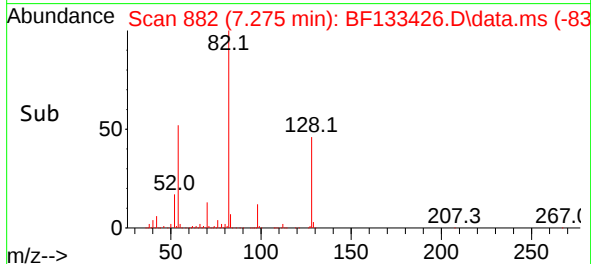
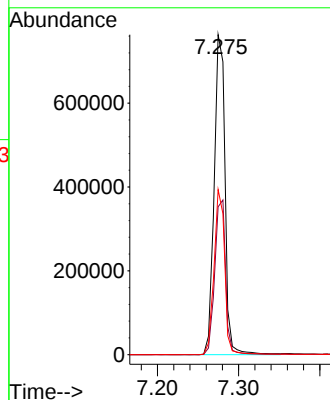
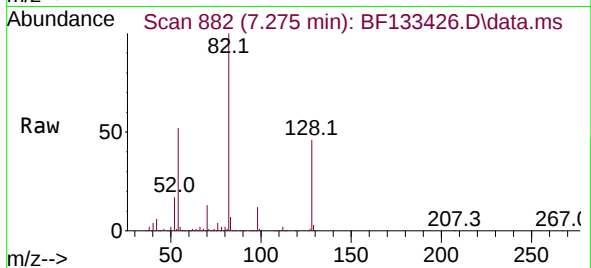
Tgt Ion: 82 Resp: 708550

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.7	56.5
54	51.6	43.0	64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.751 min Scan# 1303

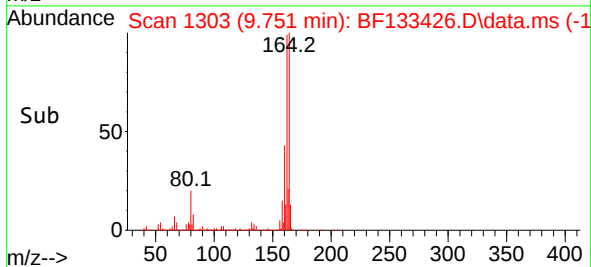
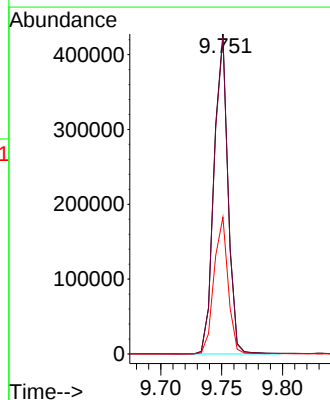
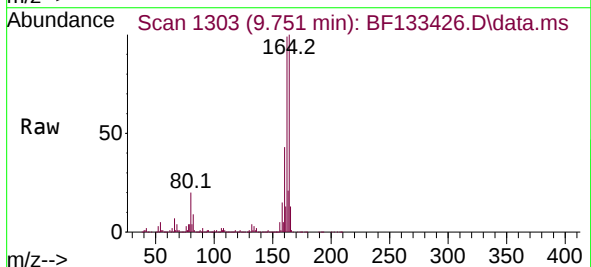
Delta R.T. -0.012 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Tgt Ion:164 Resp: 339427

Ion	Ratio	Lower	Upper
164	100		
162	99.1	78.7	118.1
160	42.7	35.8	53.6





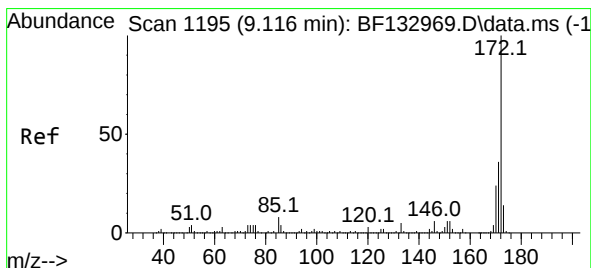
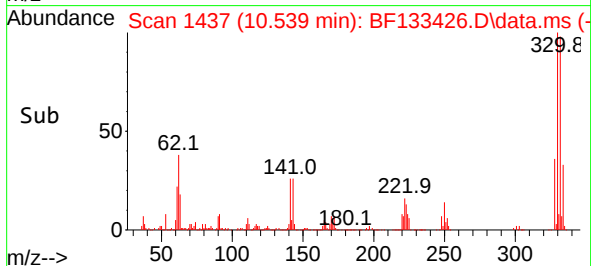
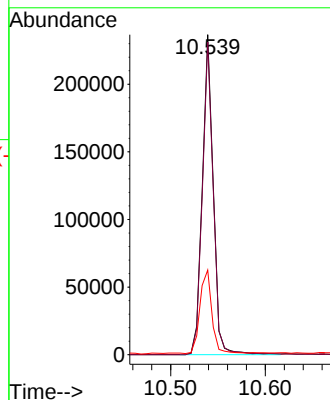
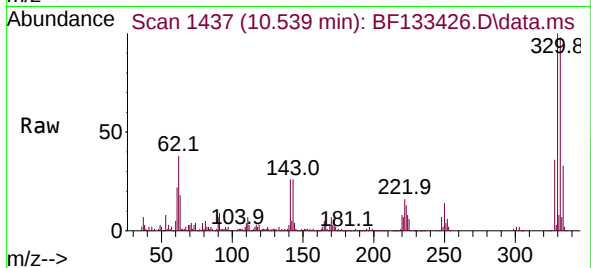
#42
2,4,6-Tribromophenol
Concen: 55.707 ng
RT: 10.539 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:330 Resp: 190162
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 28.3 25.8 38.8

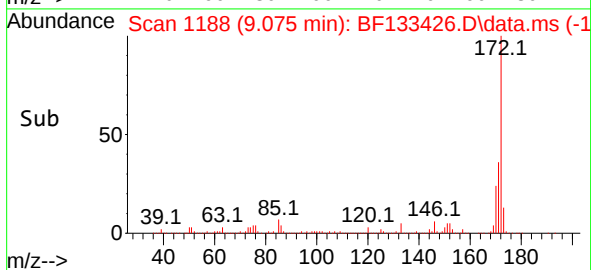
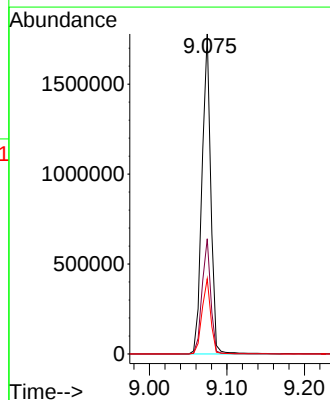
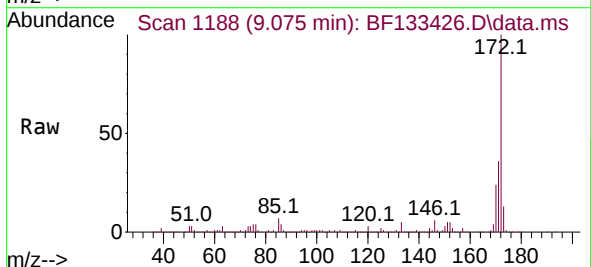
Manual Integrations
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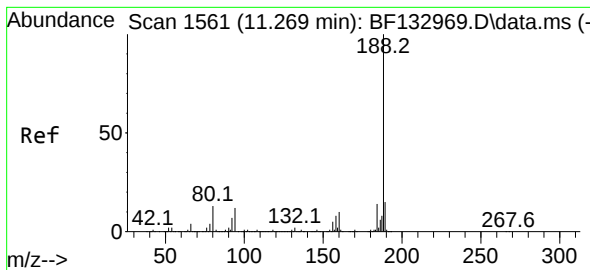
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#45
2-Fluorobiphenyl
Concen: 69.035 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

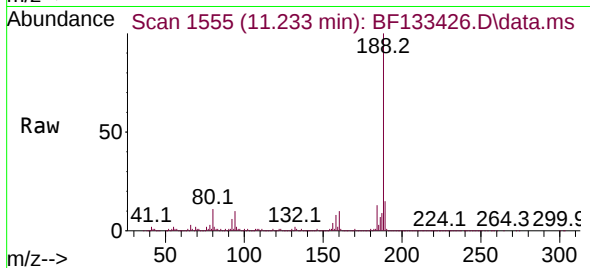
Tgt Ion:172 Resp: 1400610
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.5 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

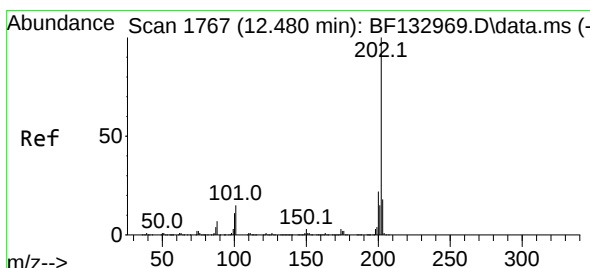
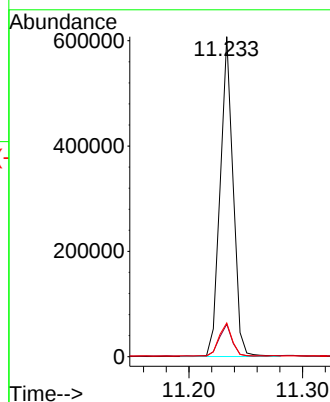
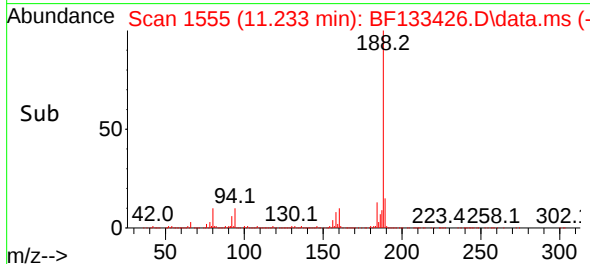
Instrument :
BNA_F
ClientSampleId :
WC-1



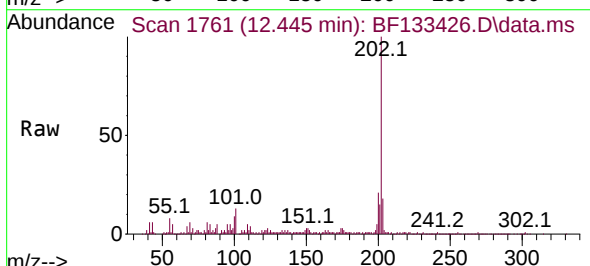
Tgt Ion:188 Resp: 48312
Ion Ratio Lower Upper
188 100
94 10.1 9.7 14.5
80 10.6 10.4 15.6

Manual Integrations
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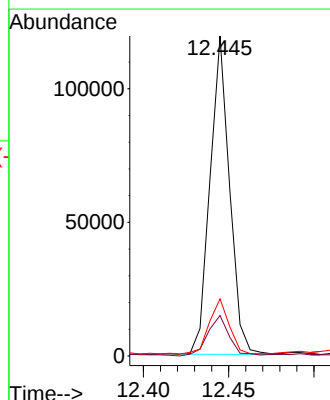
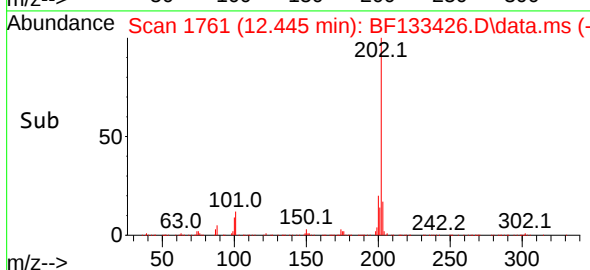
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

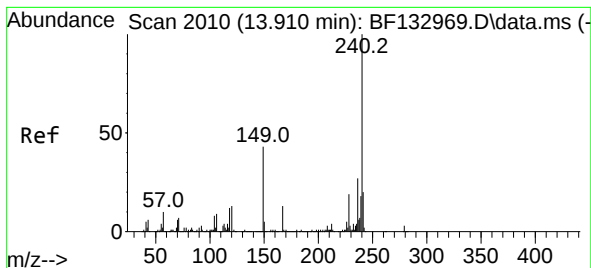


#75
Fluoranthene
Concen: 3.642 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.012 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55



Tgt Ion:202 Resp: 94903
Ion Ratio Lower Upper
202 100
101 12.6 0.0 35.3
203 17.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Instrument :

BNA_F

ClientSampleId :

WC-1

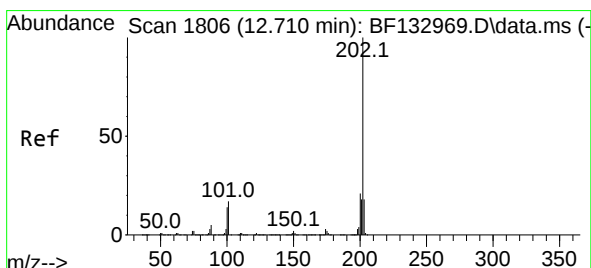
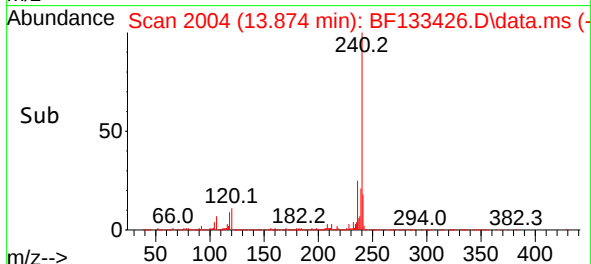
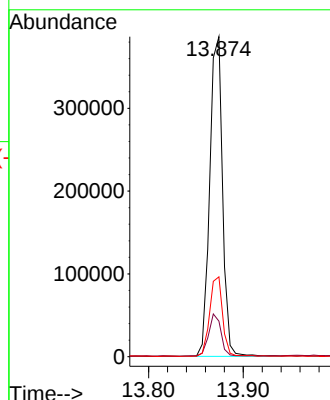
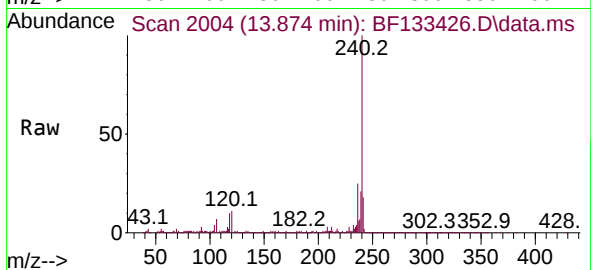
Tgt Ion:	240	Resp:	361994
Ion Ratio	Lower	Upper	
240	100		
120	11.1	10.5	15.7
236	25.0	21.5	32.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/18/2023



#78

Pyrene

Concen: 3.011 ng

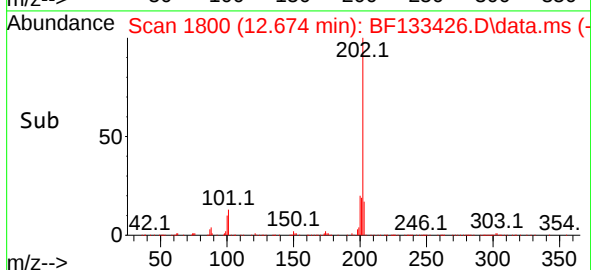
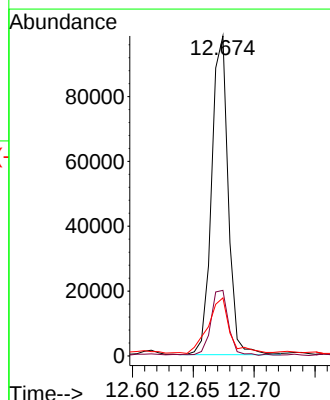
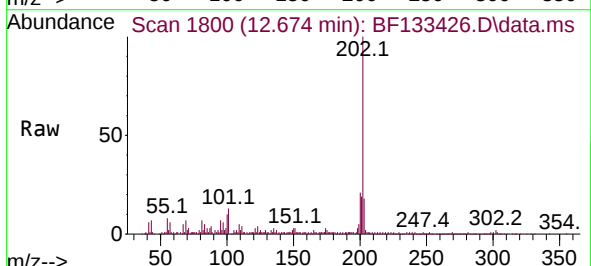
RT: 12.674 min Scan# 1800

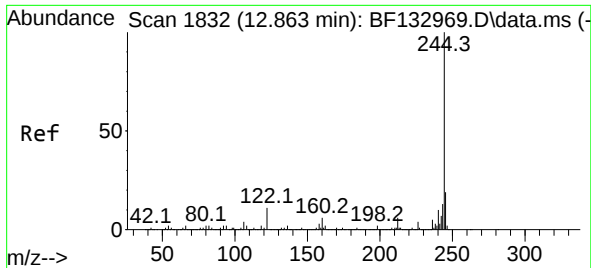
Delta R.T. -0.012 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Tgt Ion:	202	Resp:	93438
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.1	25.7
203	18.1	14.1	21.1





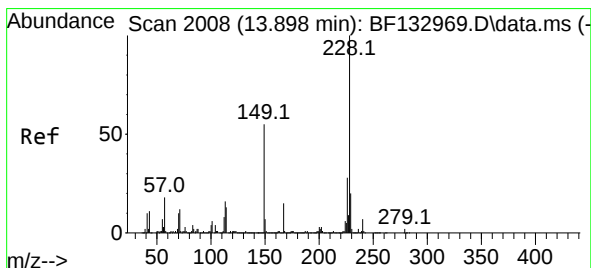
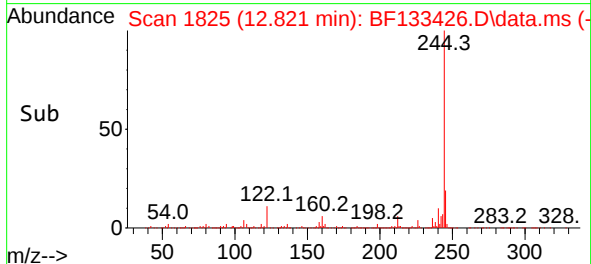
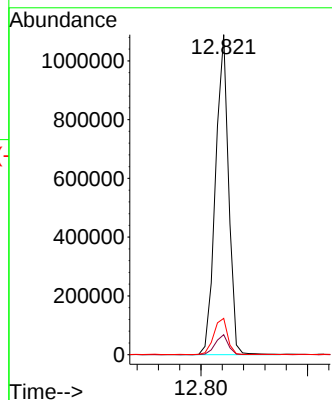
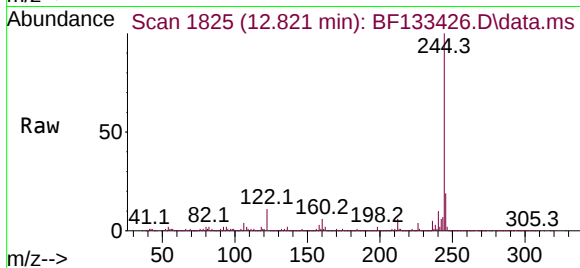
#79
Terphenyl-d14
Concen: 44.398 ng
RT: 12.821 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:244 Resp: 931879
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 11.4 8.6 13.0

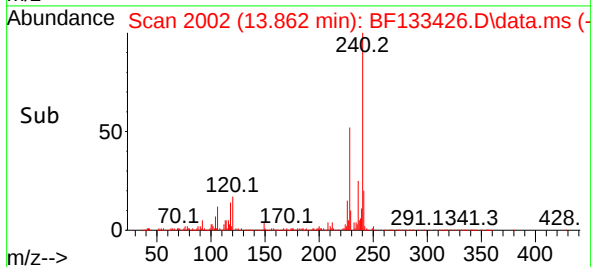
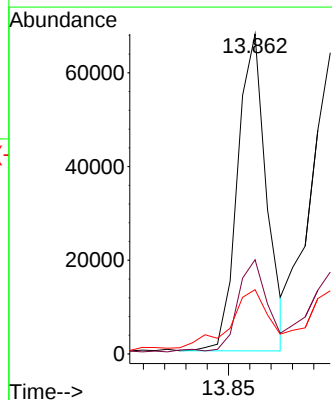
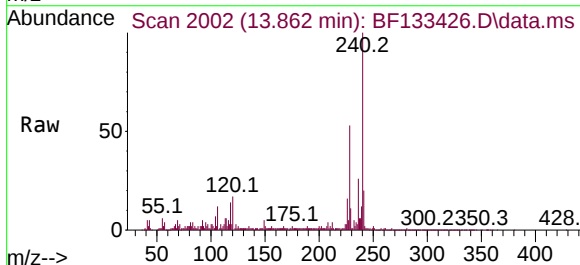
Manual Integrations
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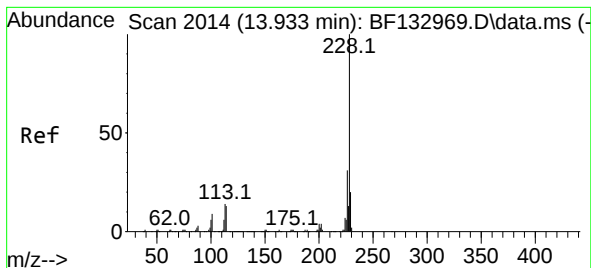
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#81
Benzo(a)anthracene
Concen: 2.563 ng
RT: 13.862 min Scan# 2002
Delta R.T. -0.012 min
Lab File: BF133426.D
Acq: 17 May 2023 21:55

Tgt Ion:228 Resp: 63807
Ion Ratio Lower Upper
228 100
226 29.5 22.2 33.4
229 20.1 16.0 24.0





#83

Chrysene

Concen: 2.646 ng

RT: 13.898 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:228 Resp: 6585

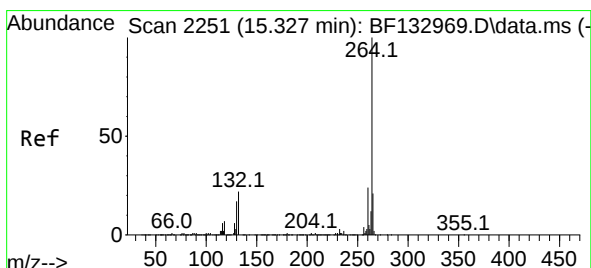
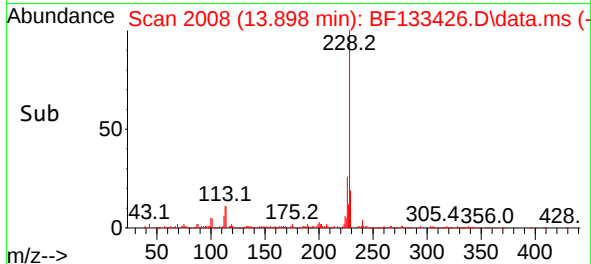
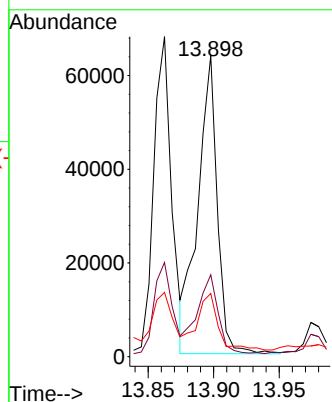
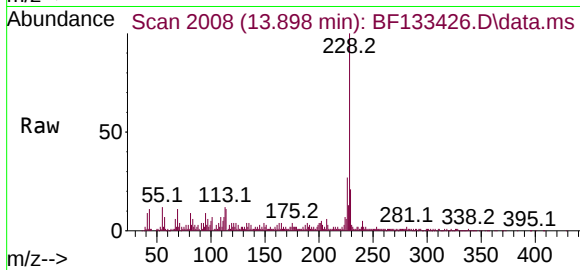
Ion	Ratio	Lower	Upper
228	100		
226	27.2	24.7	37.1
229	21.0	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 2246

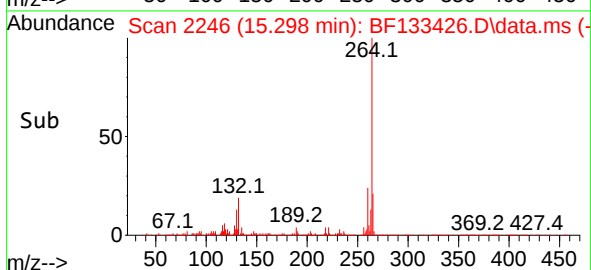
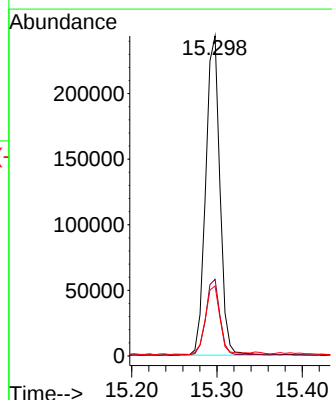
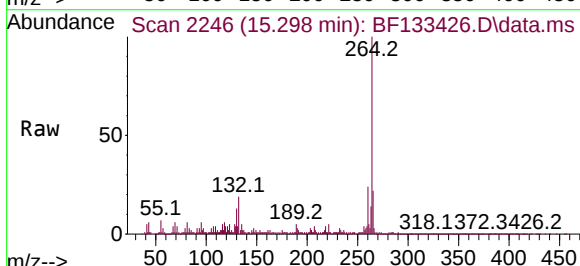
Delta R.T. -0.006 min

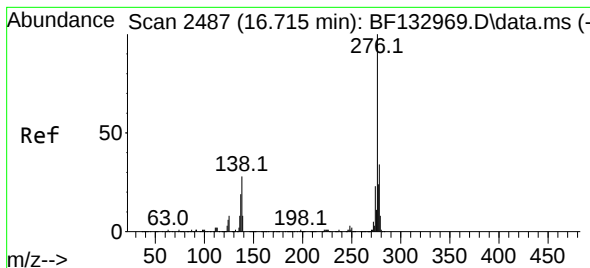
Lab File: BF133426.D

Acq: 17 May 2023 21:55

Tgt Ion:264 Resp: 281165

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	21.9	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.346 ng

RT: 16.674 min Scan# 2487

Delta R.T. -0.024 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Instrument :

BNA_F

ClientSampleId :

WC-1

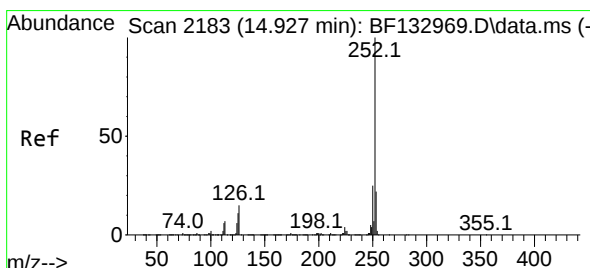
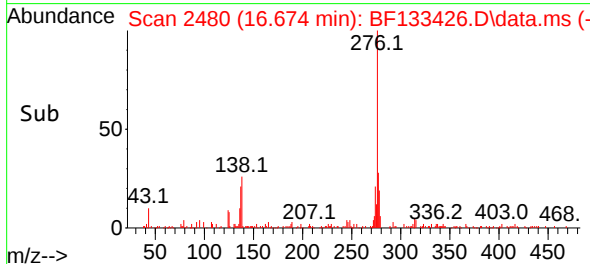
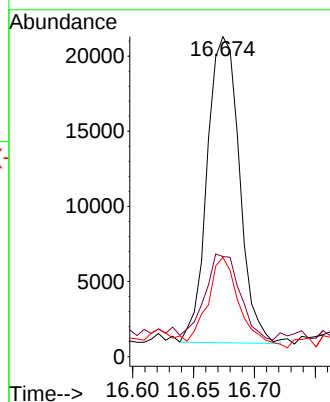
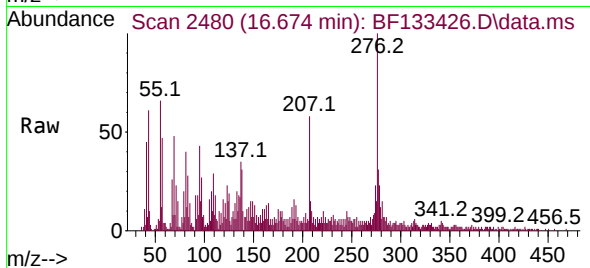
Tgt Ion:	276	Resp:	37518
Ion Ratio	Lower	Upper	
276	100		
138	30.3	25.5	38.3
277	29.5	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#88

Benzo(b)fluoranthene

Concen: 4.110 ng m

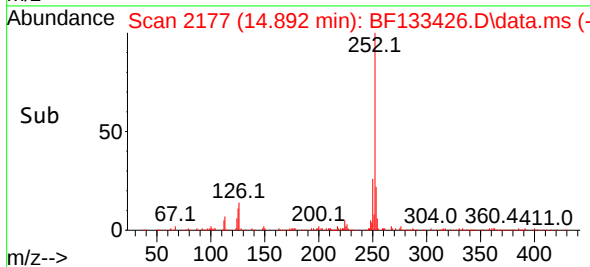
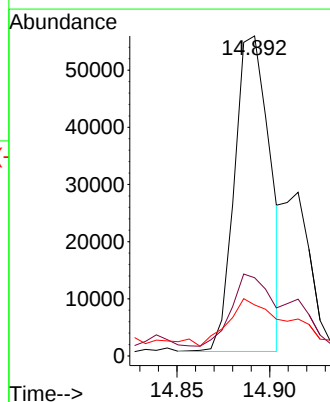
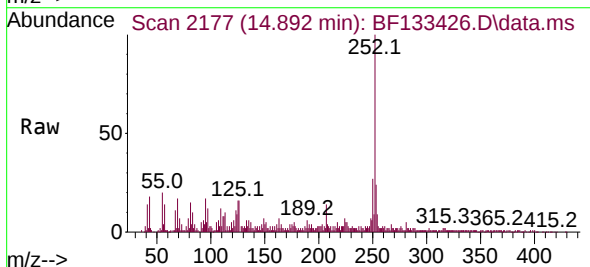
RT: 14.892 min Scan# 2177

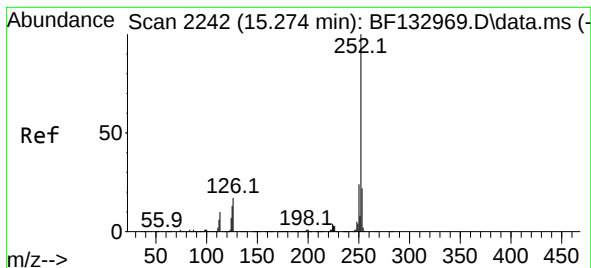
Delta R.T. -0.006 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Tgt Ion:	252	Resp:	73515
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.6	26.4
125	16.0	8.9	13.3





#90

Benzo(a)pyrene

Concen: 2.864 ng

RT: 15.233 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Instrument :

BNA_F

ClientSampleId :

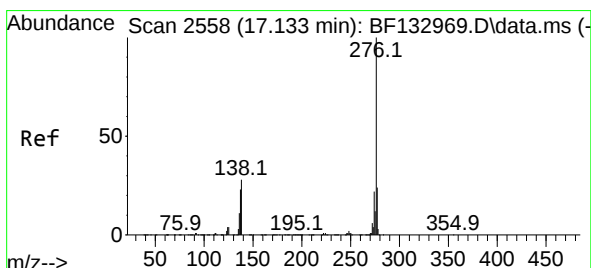
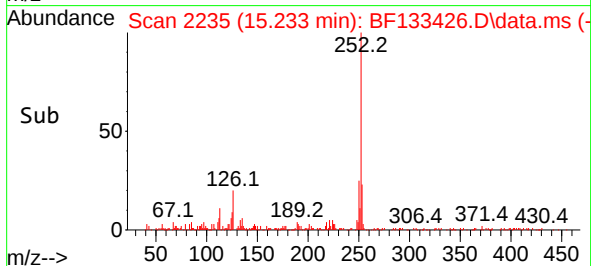
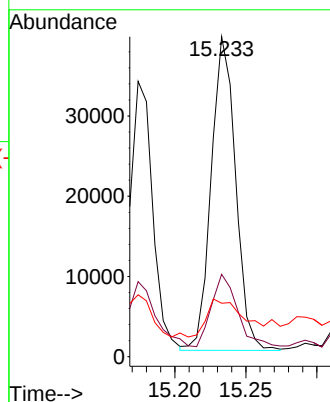
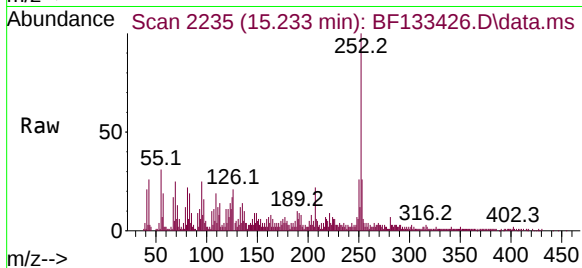
WC-1

Tgt Ion:	252	Resp:	4663
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.7	26.5
125	16.7	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#92

Benzo(g,h,i)perylene

Concen: 3.100 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.018 min

Lab File: BF133426.D

Acq: 17 May 2023 21:55

Tgt Ion:	276	Resp:	40825
Ion Ratio	Lower	Upper	
276	100		
277	26.0	19.4	29.0
138	27.9	22.7	34.1

