

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133021.D
 Acq On : 25 Apr 2023 04:30
 Operator : CG\JU
 Sample : 02470-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Quant Time: Apr 25 05:42:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/25/2023
 Supervised By : Jagrut Upadhyay 04/25/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	197783	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	757201	20.000	ng	-0.01
39) Acenaphthene-d10	9.781	164	359119	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	564156	20.000	ng	0.00
76) Chrysene-d12	13.904	240	398529	20.000	ng	0.00
86) Perylene-d12	15.327	264	324613	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1121121	85.628	ng	0.00
7) Phenol-d6	6.387	99	1328560	81.752	ng	0.00
23) Nitrobenzene-d5	7.310	82	795077	56.677	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	261425	72.384	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	1418860	66.099	ng	-0.01
79) Terphenyl-d14	12.851	244	1306770	56.552	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.286	178	158219	5.218	ng	98
75) Fluoranthene	12.475	202	412541	13.556	ng	100
78) Pyrene	12.704	202	388440	11.370	ng	98
81) Benzo(a)anthracene	13.892	228	210401	7.677	ng	97
83) Chrysene	13.927	228	205451m	7.499	ng	
87) Indeno(1,2,3-cd)pyrene	16.710	276	70083	3.796	ng	96
88) Benzo(b)fluoranthene	14.921	252	204667m	9.911	ng	
89) Benzo(k)fluoranthene	14.945	252	57042m	2.786	ng	
90) Benzo(a)pyrene	15.268	252	132173	7.032	ng	# 93
92) Benzo(g,h,i)perylene	17.127	276	63253	4.160	ng	95

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

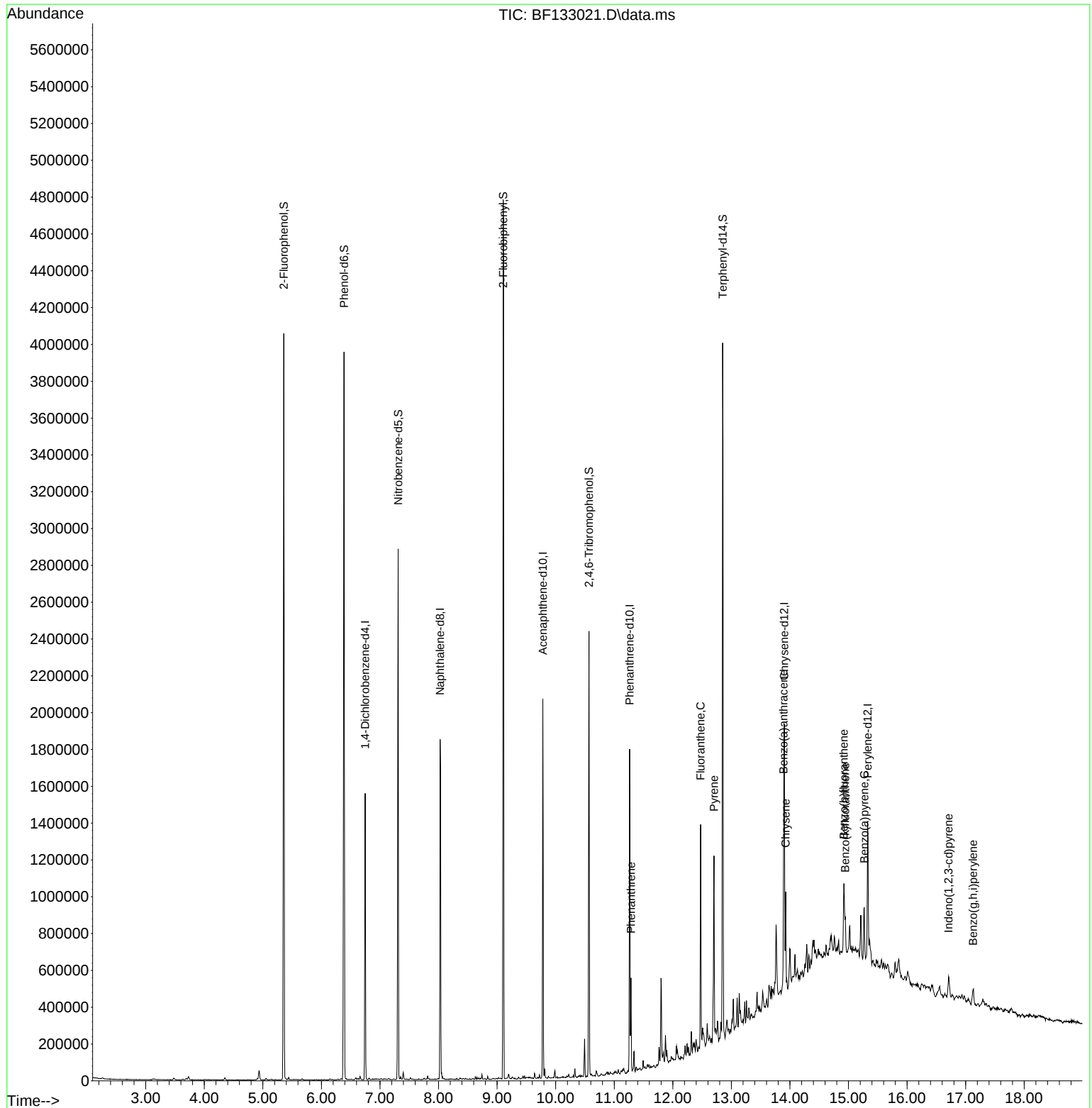
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
Data File : BF133021.D
Acq On : 25 Apr 2023 04:30
Operator : CG\JU
Sample : 02470-10
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Instrument :
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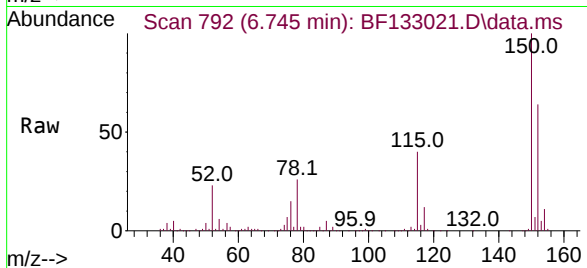
Reviewed By : Christian Giraldo 04/25/2023
Supervised By : Jagrut Upadhyay 04/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133021.D
Acq: 25 Apr 2023 04:30

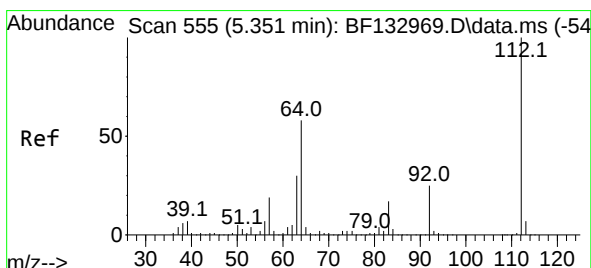
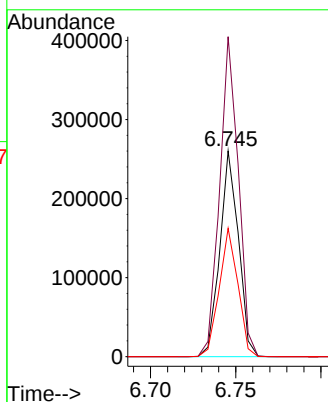
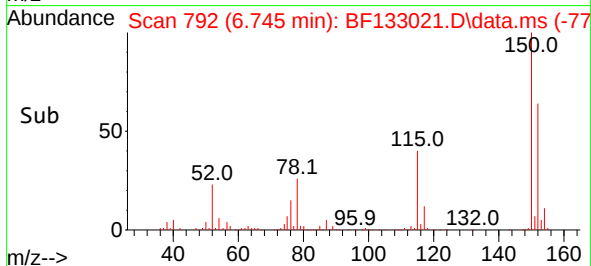
Instrument :
BNA_F
ClientSampleId :
SB-09-COMP



Tgt Ion:152 Resp: 19778
Ion Ratio Lower Upper
152 100
150 155.5 124.8 187.2
115 62.4 49.9 74.9

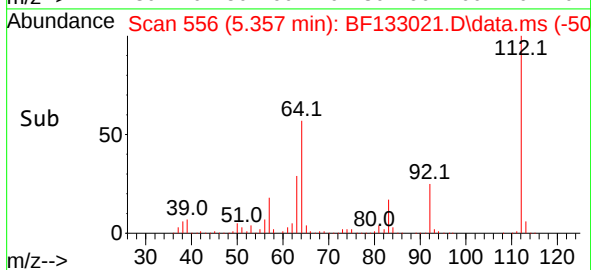
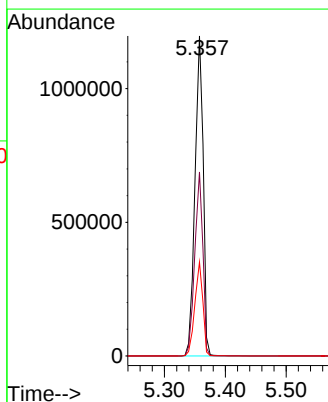
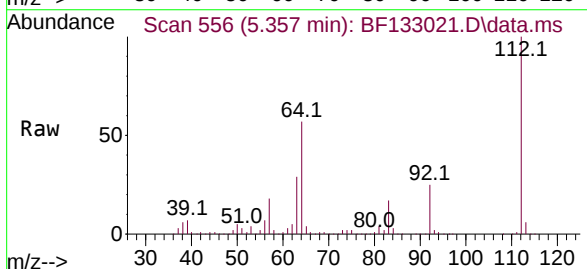
Manual Integrations
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#5
2-Fluorophenol
Concen: 85.628 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF133021.D
Acq: 25 Apr 2023 04:30

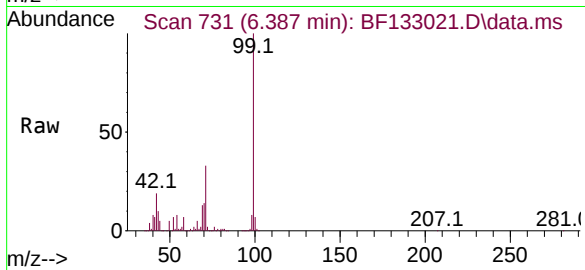
Tgt Ion:112 Resp: 1121121
Ion Ratio Lower Upper
112 100
64 57.5 46.8 70.2
63 29.4 23.8 35.8





#7
Phenol-d6
Concen: 81.752 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133021.D
Acq: 25 Apr 2023 04:30

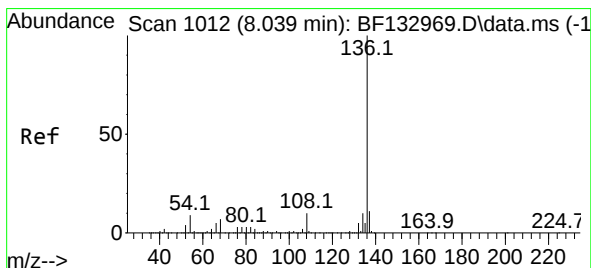
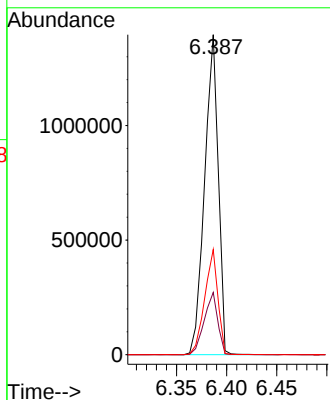
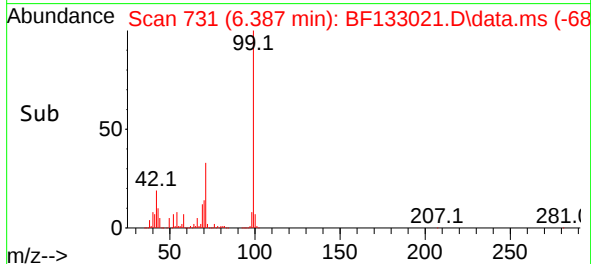
Instrument :
BNA_F
ClientSampleId :
SB-09-COMP



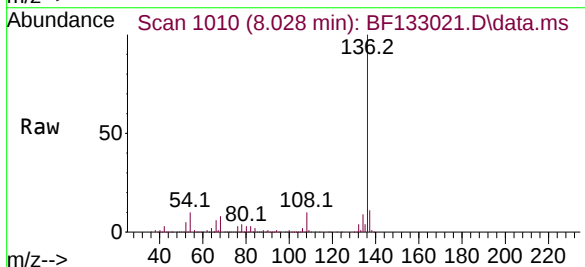
Tgt Ion: 99 Resp: 1328560
Ion Ratio Lower Upper
99 100
42 19.5 16.3 24.5
71 32.9 25.6 38.4

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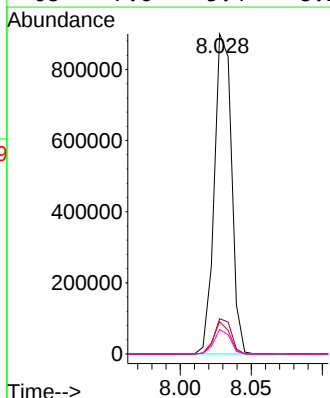
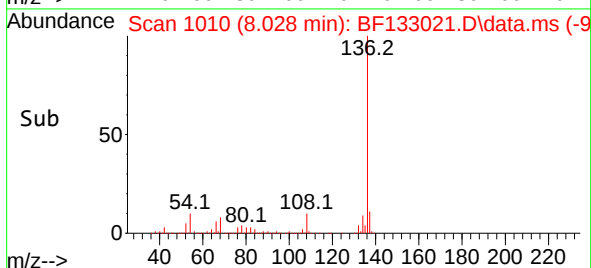
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

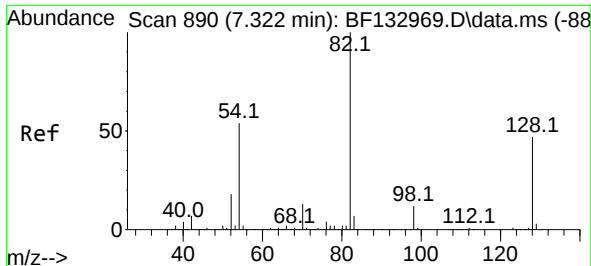


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF133021.D
Acq: 25 Apr 2023 04:30



Tgt Ion:136 Resp: 757201
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.1 7.0 10.4
68 7.6 5.4 8.2





#23

Nitrobenzene-d5

Concen: 56.677 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133021.D

Acq: 25 Apr 2023 04:30

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

Tgt Ion: 82 Resp: 79507

Ion Ratio Lower Upper

82 100

128 47.5 37.7 56.5

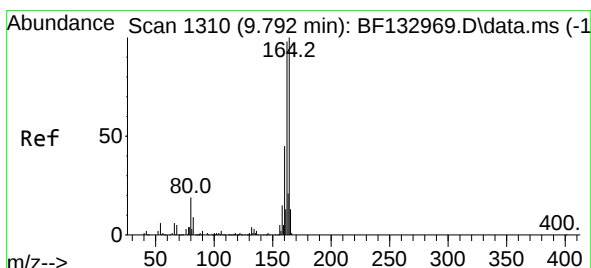
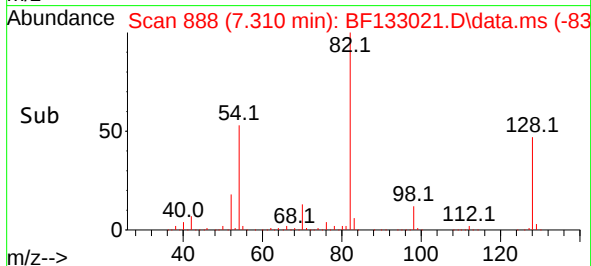
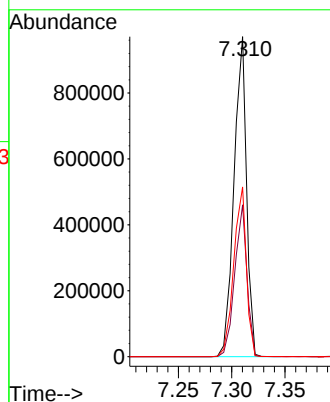
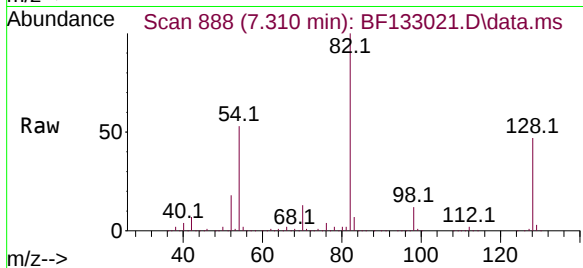
54 53.1 43.0 64.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.781 min Scan# 1308

Delta R.T. -0.012 min

Lab File: BF133021.D

Acq: 25 Apr 2023 04:30

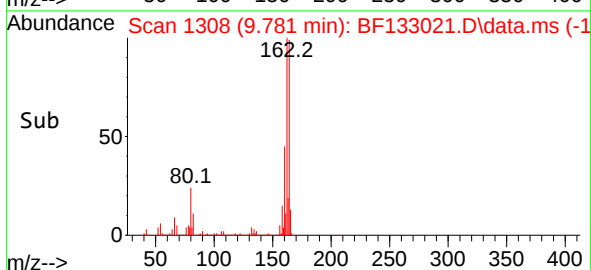
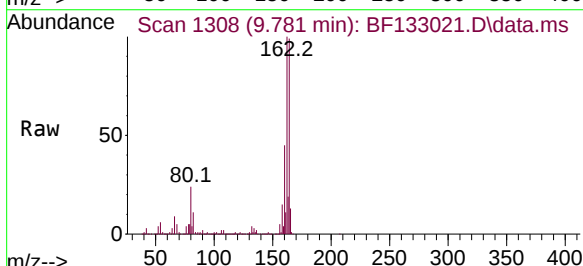
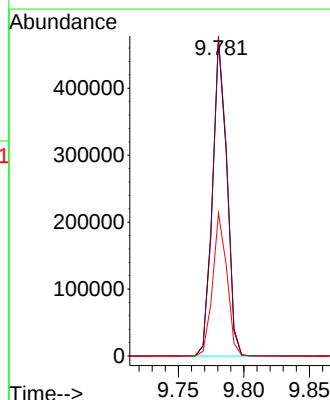
Tgt Ion:164 Resp: 359119

Ion Ratio Lower Upper

164 100

162 101.2 78.7 118.1

160 45.2 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 72.384 ng
RT: 10.569 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133021.D
Acq: 25 Apr 2023 04:30

Instrument :

BNA_F

ClientSampleId :

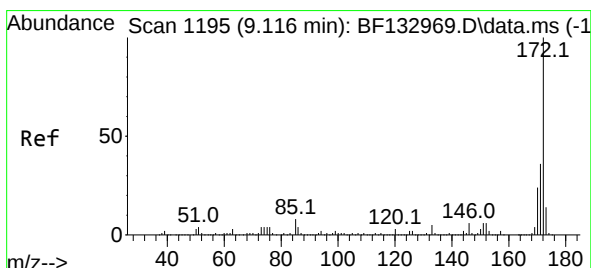
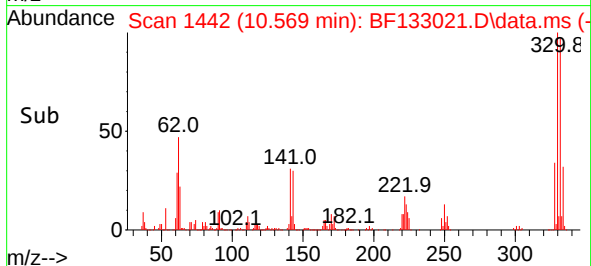
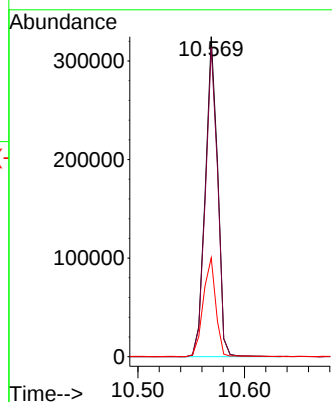
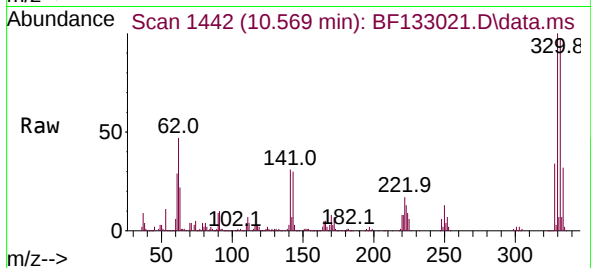
SB-09-COMP

Tgt Ion:330 Resp: 261429
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 31.9 25.8 38.8

Manual Integrations

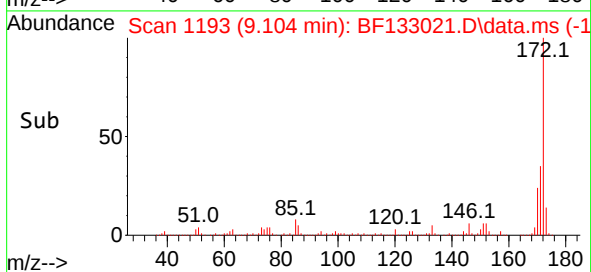
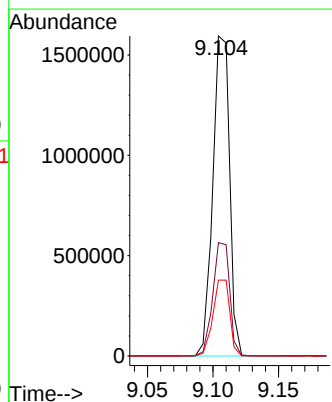
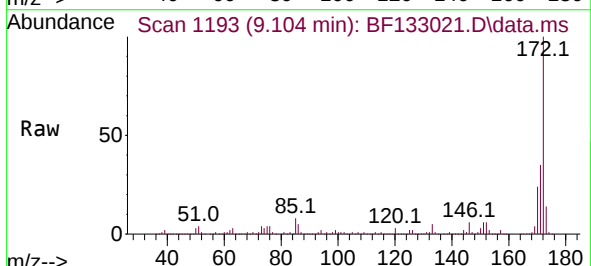
APPROVED

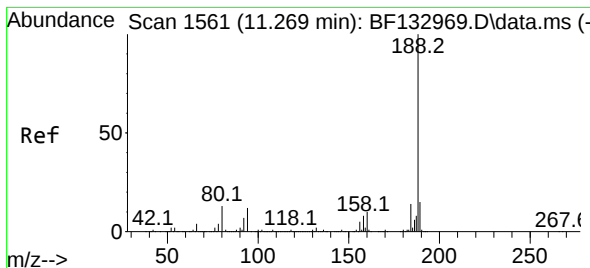
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#45
2-Fluorobiphenyl
Concen: 66.099 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF133021.D
Acq: 25 Apr 2023 04:30

Tgt Ion:172 Resp: 1418860
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.7 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 1561

Delta R.T. -0.006 min

Lab File: BF133021.D

Acq: 25 Apr 2023 04:30

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

Tgt Ion:188 Resp: 564150

Ion Ratio Lower Upper

188 100

94 12.3 9.7 14.5

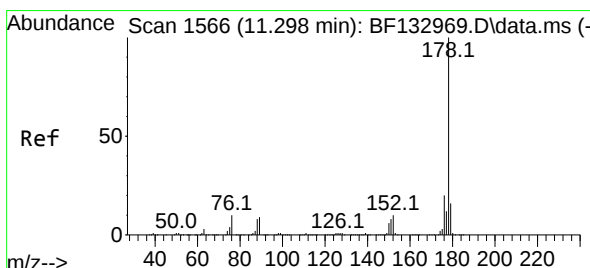
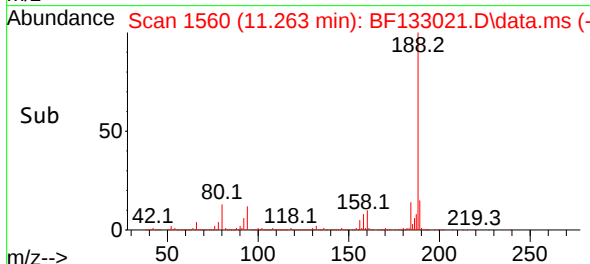
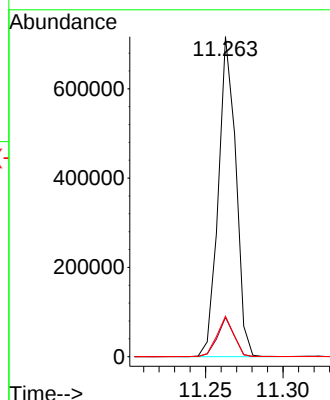
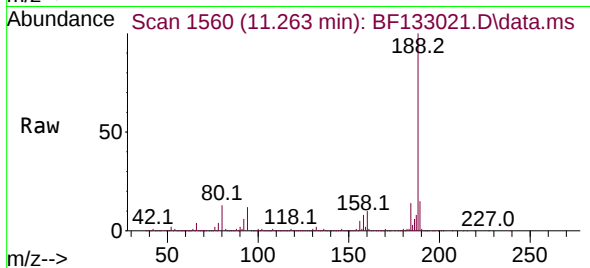
80 12.7 10.4 15.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/25/2023

Supervised By :Jagrut Upadhyay 04/25/2023



#71

Phenanthrene

Concen: 5.218 ng

RT: 11.286 min Scan# 1564

Delta R.T. -0.012 min

Lab File: BF133021.D

Acq: 25 Apr 2023 04:30

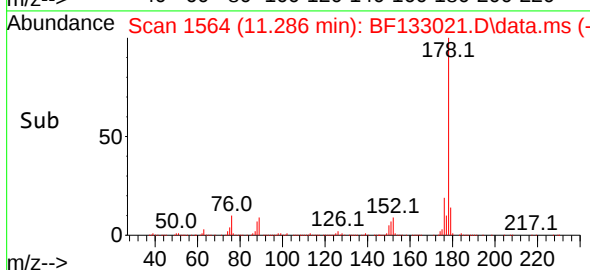
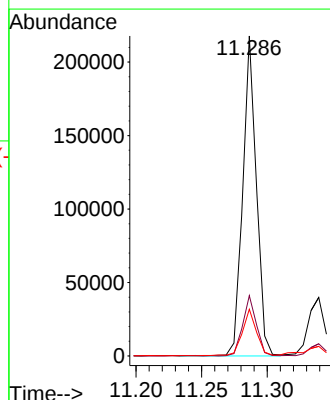
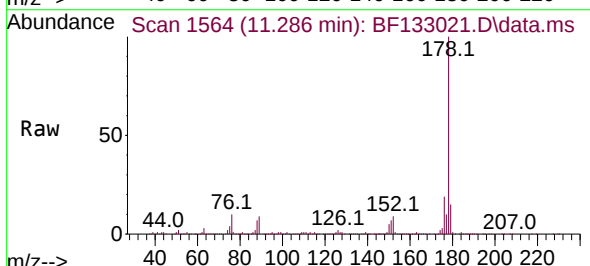
Tgt Ion:178 Resp: 158219

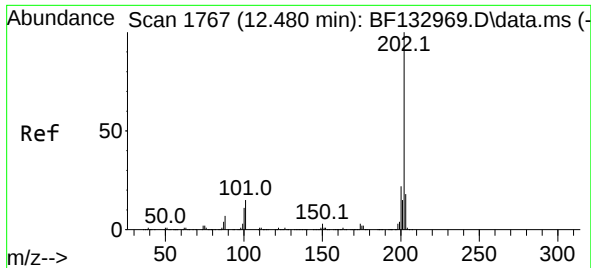
Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

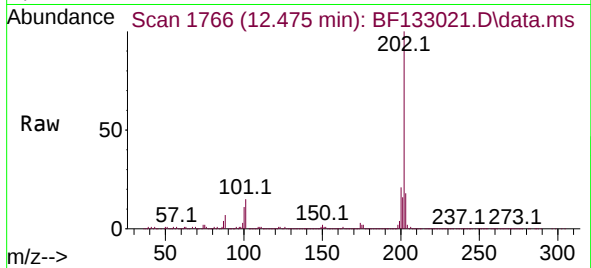
179 14.6 12.5 18.7





#75
Fluoranthene
Concen: 13.556 ng
RT: 12.475 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BF133021.D
Acq: 25 Apr 2023 04:30

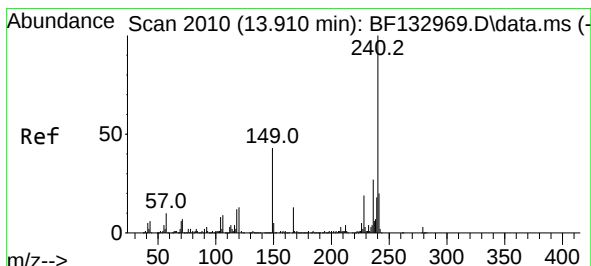
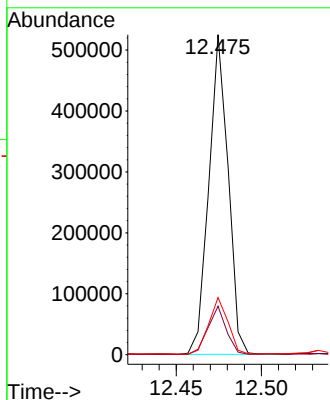
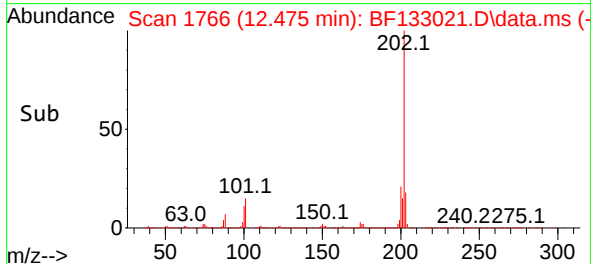
Instrument :
BNA_F
ClientSampleId :
SB-09-COMP



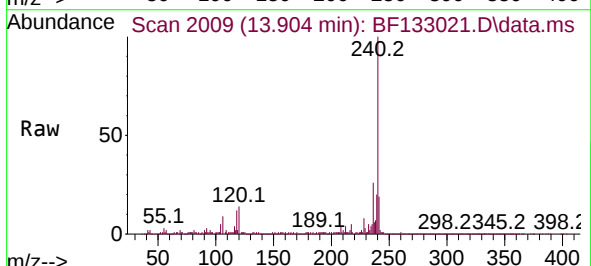
Tgt Ion:202 Resp: 41254
Ion Ratio Lower Upper
202 100
101 15.1 0.0 35.3
203 17.8 0.0 38.1

Manual Integrations
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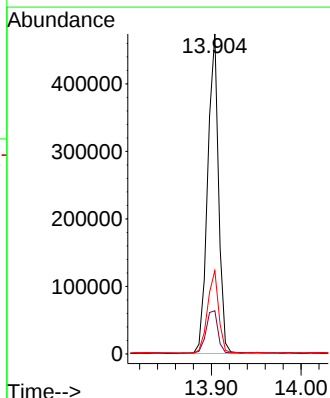
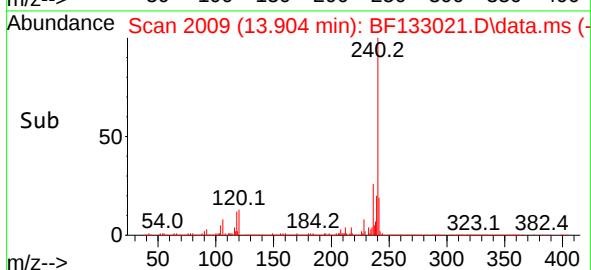
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

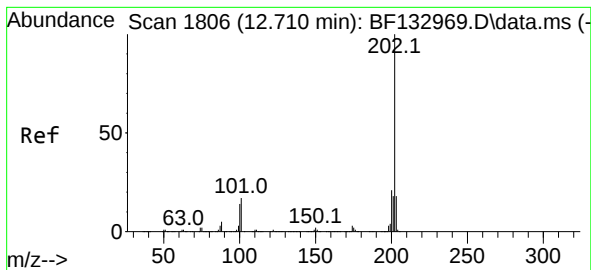


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF133021.D
Acq: 25 Apr 2023 04:30



Tgt Ion:240 Resp: 398529
Ion Ratio Lower Upper
240 100
120 13.5 10.5 15.7
236 26.1 21.5 32.3





#78

Pyrene

Concen: 11.370 ng

RT: 12.704 min Scan# 1805

Delta R.T. -0.006 min

Lab File: BF133021.D

Acq: 25 Apr 2023 04:30

Instrument :

BNA_F

ClientSampleId :

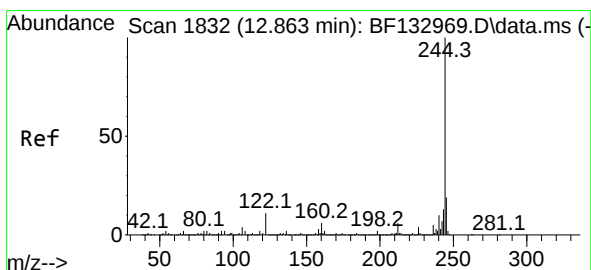
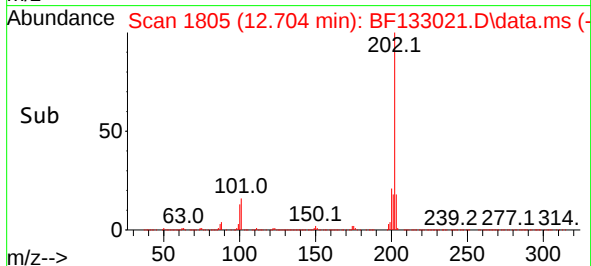
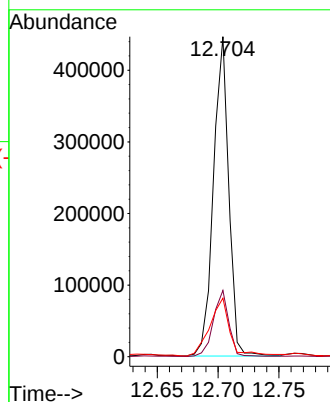
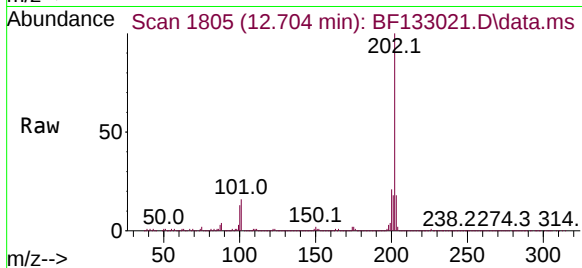
SB-09-COMP

Tgt Ion:202 Resp: 388440
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.1 25.7
 203 18.3 14.1 21.1

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 Supervised By :Jagrut Upadhyay 04/25/2023



#79

Terphenyl-d14

Concen: 56.552 ng

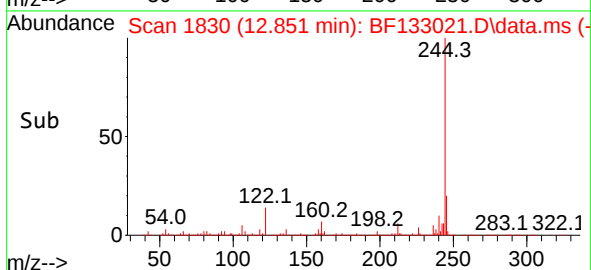
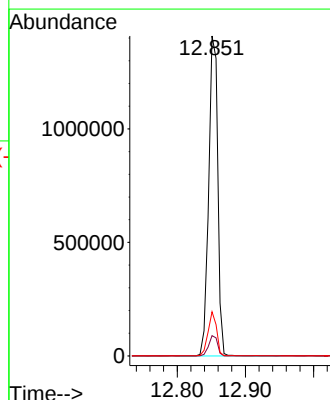
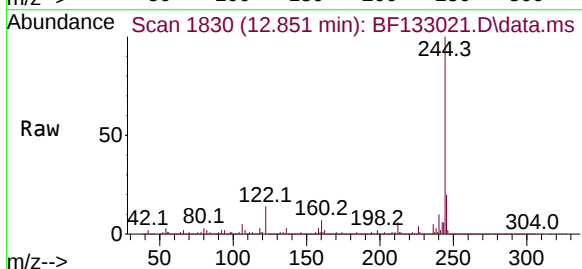
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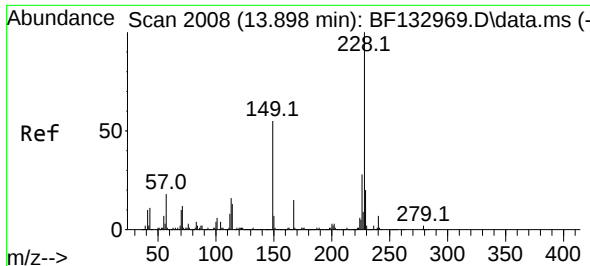
Delta R.T. -0.012 min

Lab File: BF133021.D

Acq: 25 Apr 2023 04:30

Tgt Ion:244 Resp: 1306770
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 13.8 8.6 13.0#





#81
Benzo(a)anthracene
Concen: 7.677 ng
RT: 13.892 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF133021.D
Acq: 25 Apr 2023 04:30

Instrument :

BNA_F

ClientSampleId :

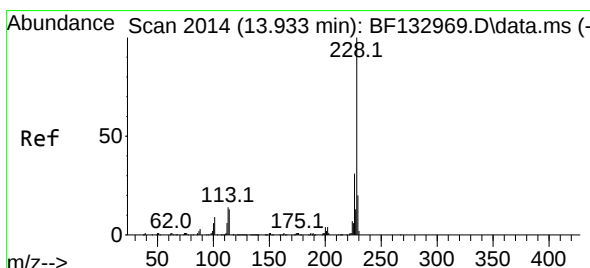
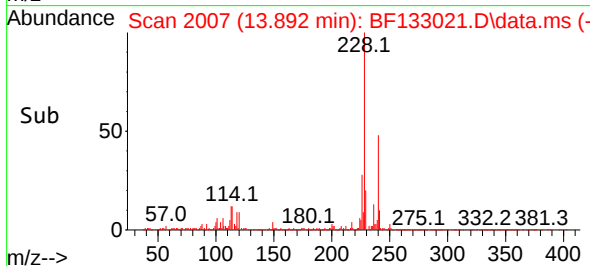
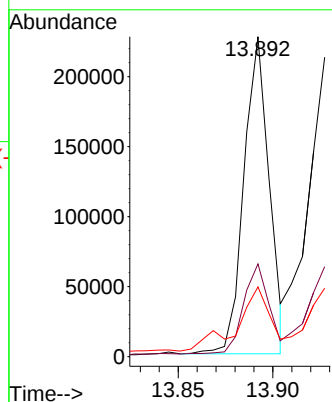
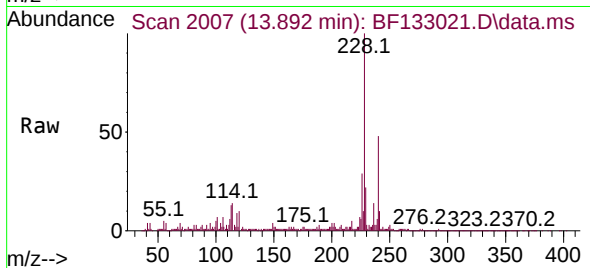
SB-09-COMP

Tgt Ion:228 Resp: 21040
Ion Ratio Lower Upper
228 100
226 29.0 22.2 33.4
229 21.8 16.0 24.0

Manual Integrations

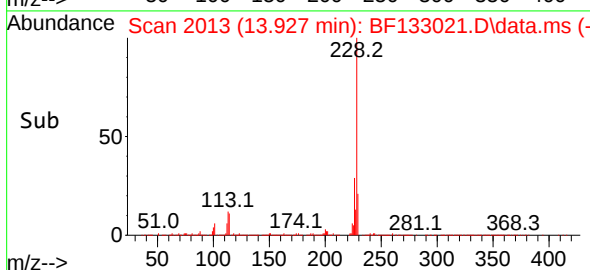
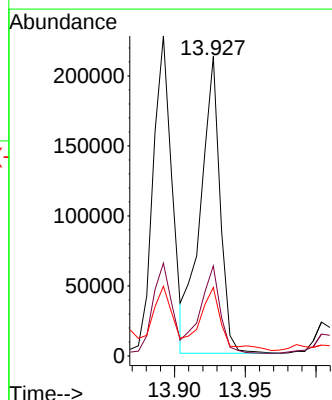
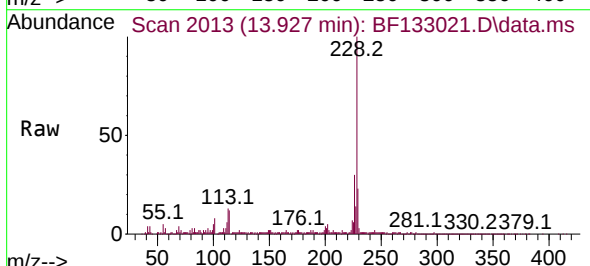
APPROVED

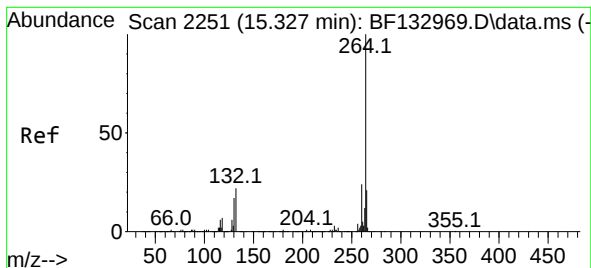
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#83
Chrysene
Concen: 7.499 ng m
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF133021.D
Acq: 25 Apr 2023 04:30

Tgt Ion:228 Resp: 205451
Ion Ratio Lower Upper
228 100
226 30.1 24.7 37.1
229 22.9 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.327 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133021.D

Acq: 25 Apr 2023 04:30

Instrument :

BNA_F

ClientSampleId :

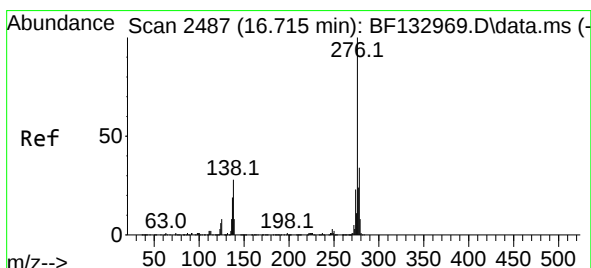
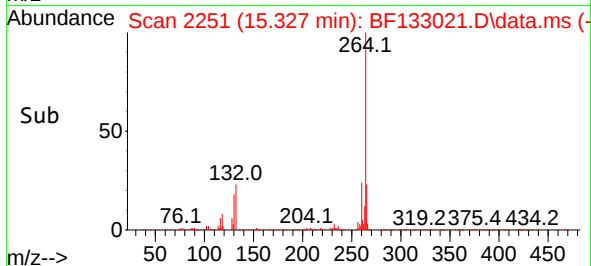
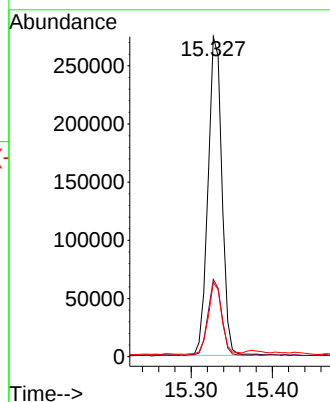
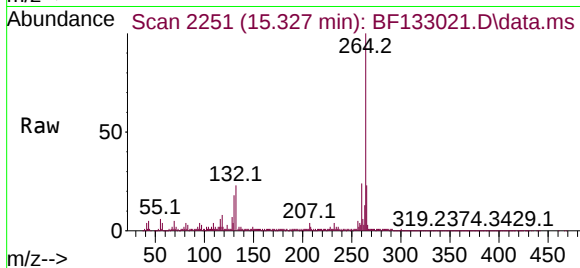
SB-09-COMP

Tgt Ion:	264	Resp:	32461
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.8	28.2
265	23.2	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.796 ng

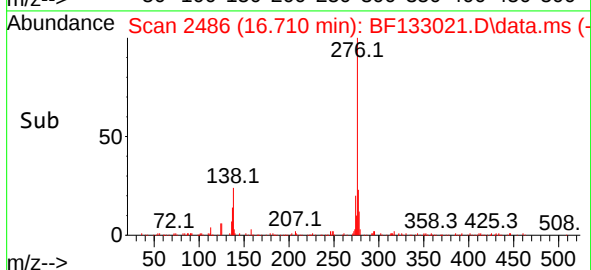
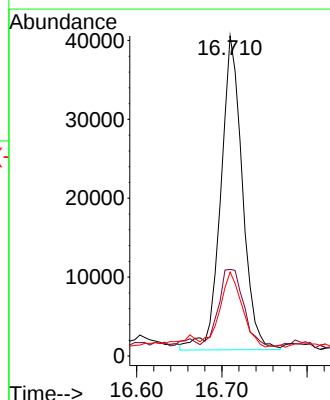
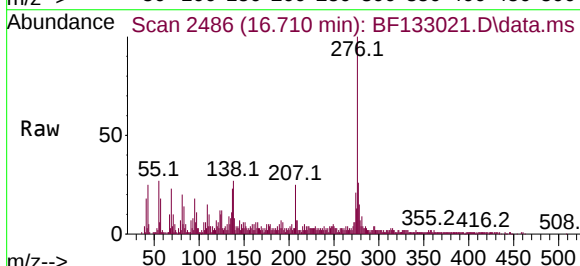
RT: 16.710 min Scan# 2486

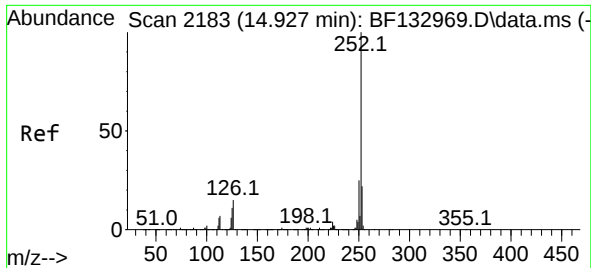
Delta R.T. -0.006 min

Lab File: BF133021.D

Acq: 25 Apr 2023 04:30

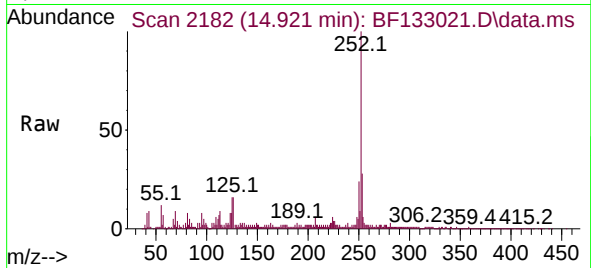
Tgt Ion:	276	Resp:	70083
Ion Ratio	Lower	Upper	
276	100		
138	29.9	25.5	38.3
277	23.8	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 9.911 ng m
RT: 14.921 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BF133021.D
Acq: 25 Apr 2023 04:30

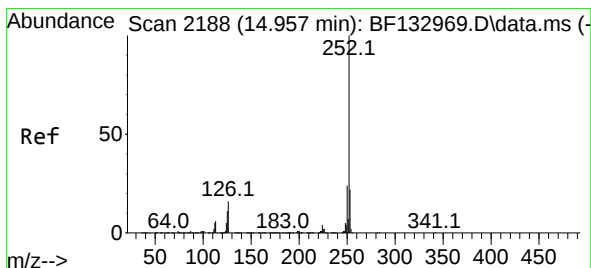
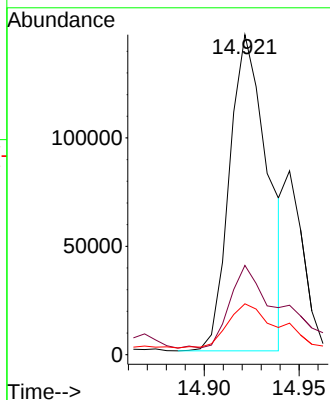
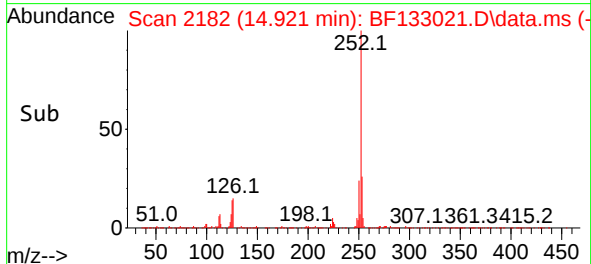
Instrument :
BNA_F
ClientSampleId :
SB-09-COMP



Tgt Ion:252 Resp: 20466
Ion Ratio Lower Upper
252 100
253 27.9 17.6 26.4#
125 15.9 8.9 13.3#

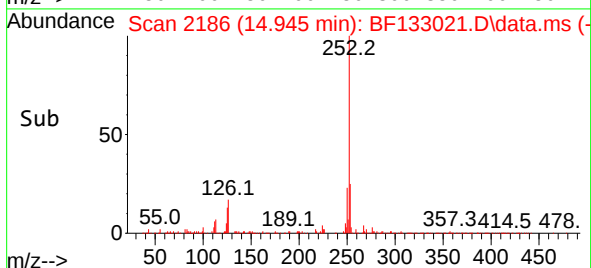
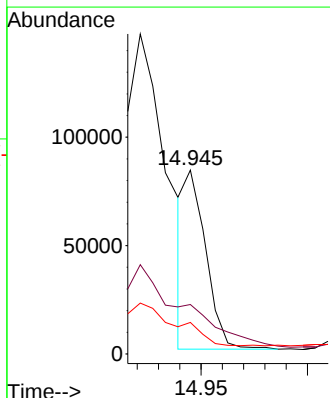
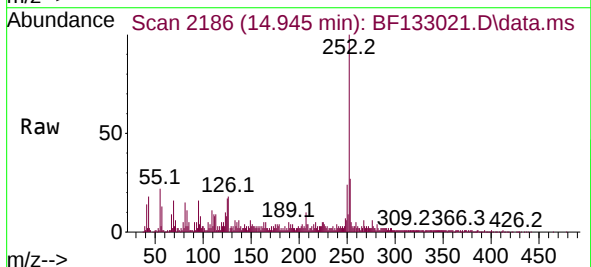
Manual Integrations
APPROVED

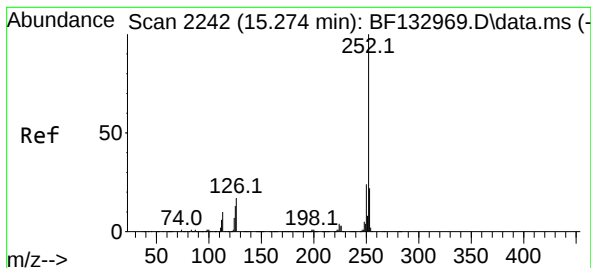
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#89
Benzo(k)fluoranthene
Concen: 2.786 ng m
RT: 14.945 min Scan# 2186
Delta R.T. -0.012 min
Lab File: BF133021.D
Acq: 25 Apr 2023 04:30

Tgt Ion:252 Resp: 57042
Ion Ratio Lower Upper
252 100
253 26.9 17.7 26.5#
125 17.1 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 7.032 ng

RT: 15.268 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133021.D

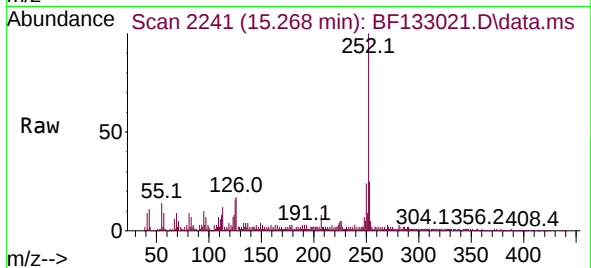
Acq: 25 Apr 2023 04:30

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP



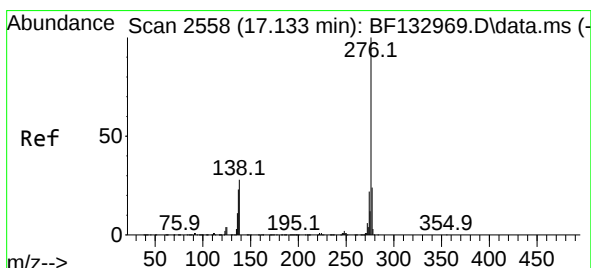
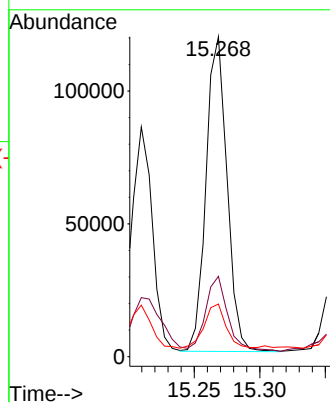
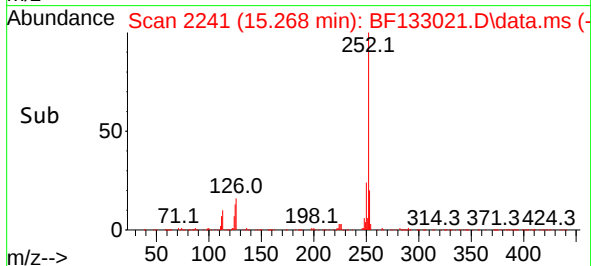
Tgt Ion: 252 Resp: 13217

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.7	26.5
125	16.4	10.5	15.7

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 04/25/2023
Supervised By : Jagrut Upadhyay 04/25/2023



#92

Benzo(g,h,i)perylene

Concen: 4.160 ng

RT: 17.127 min Scan# 2557

Delta R.T. -0.006 min

Lab File: BF133021.D

Acq: 25 Apr 2023 04:30

Tgt Ion: 276 Resp: 63253

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.4	29.0
138	31.8	22.7	34.1

