

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133014.D
 Acq On : 25 Apr 2023 00:55
 Operator : CG\JU
 Sample : 02464-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-91

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 02:16:29 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	209082	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	838513	20.000	ng	-0.01
39) Acenaphthene-d10	9.781	164	420752	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	743868	20.000	ng	0.00
76) Chrysene-d12	13.898	240	441723	20.000	ng	-0.01
86) Perylene-d12	15.321	264	470471	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1230841	88.928	ng	0.00
7) Phenol-d6	6.387	99	1580487	91.999	ng	0.00
23) Nitrobenzene-d5	7.310	82	945424	60.859	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	413136	97.634	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	1586683	63.090	ng	-0.01
79) Terphenyl-d14	12.851	244	1694492	66.160	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.469	202	118147	2.944	ng	99
78) Pyrene	12.698	202	105506	2.786	ng	99
83) Chrysene	13.922	228	69952m	2.303	ng	
84) Bis(2-ethylhexyl)phtha...	13.892	149	46674	2.773	ng	97
87) Indeno(1,2,3-cd)pyrene	16.698	276	54296	2.029	ng	# 88
88) Benzo(b)fluoranthene	14.916	252	88138m	2.945	ng	
90) Benzo(a)pyrene	15.263	252	79881	2.932	ng	98
92) Benzo(g,h,i)perylene	17.115	276	101580	4.610	ng	99

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

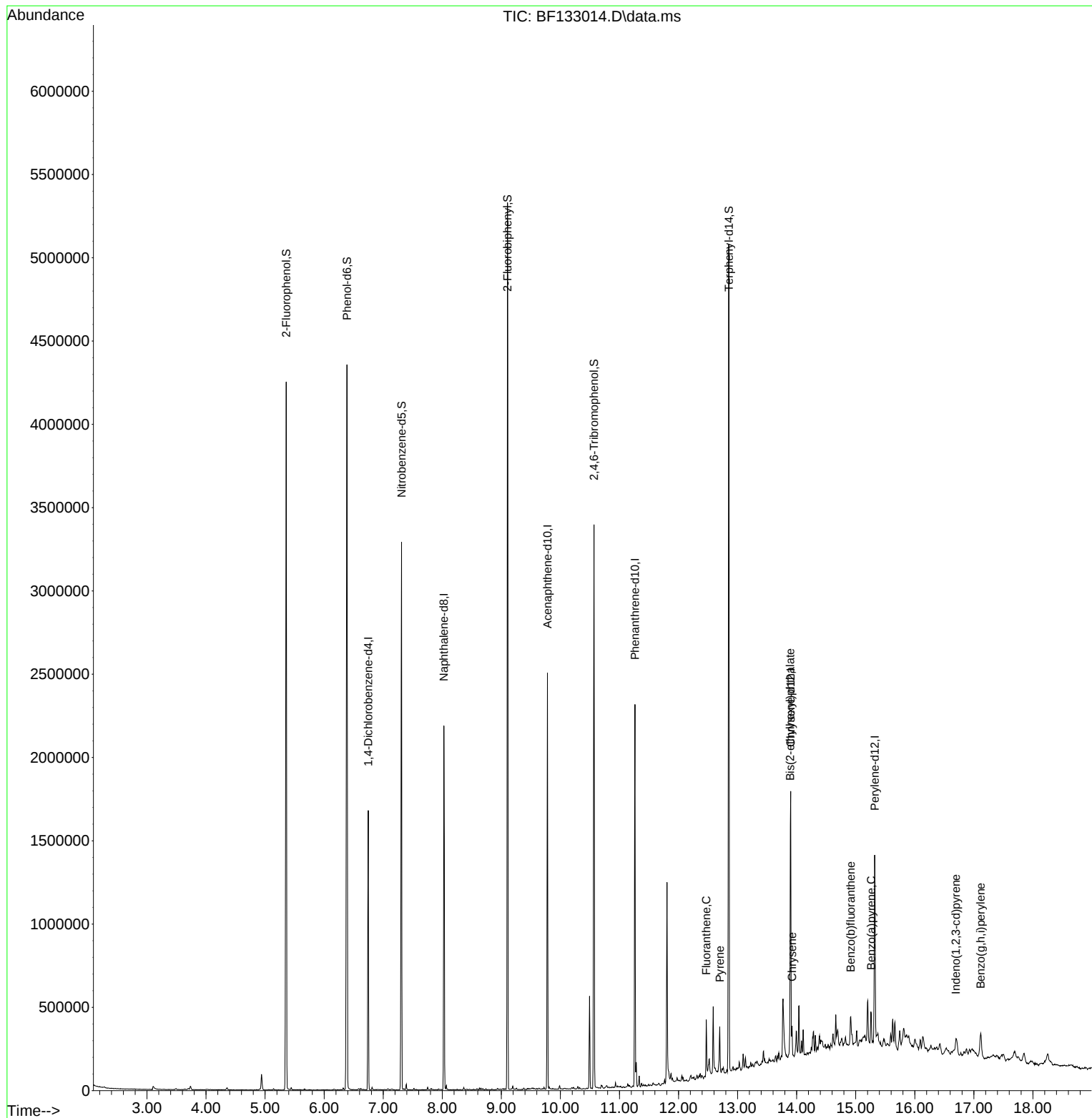
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
Data File : BF133014.D
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ALS Vial : 16 Sample Multiplier: 1

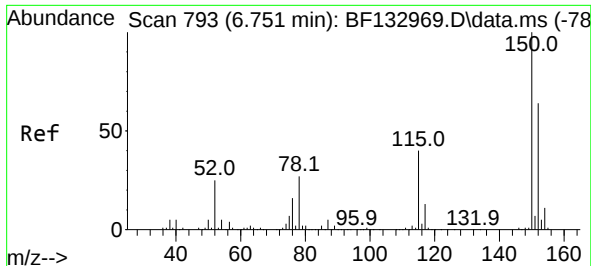
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MH-91

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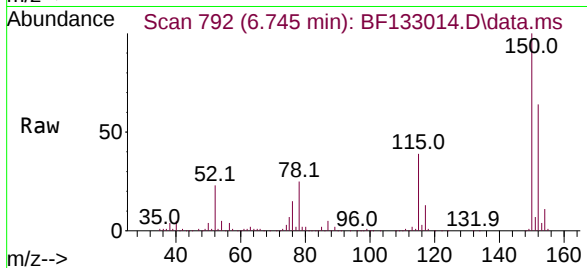
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

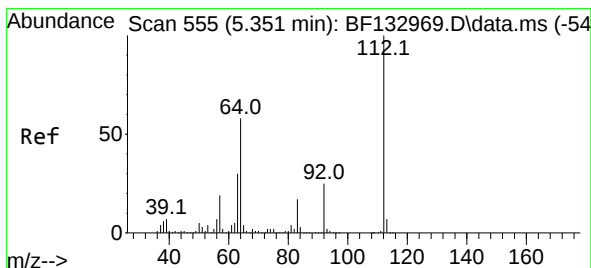
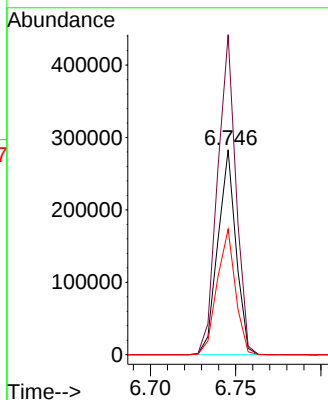
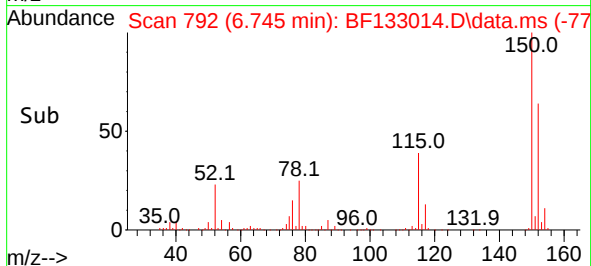
Instrument :
BNA_F
ClientSampleId :
MH-91



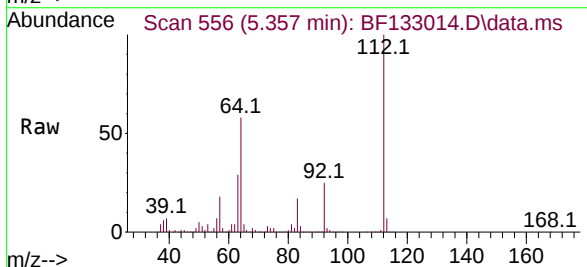
Tgt Ion:152 Resp: 209082
Ion Ratio Lower Upper
152 100
150 156.2 124.8 187.2
115 61.2 49.9 74.9

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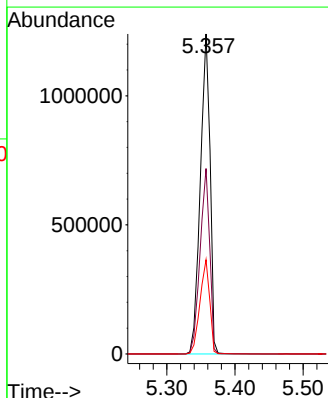
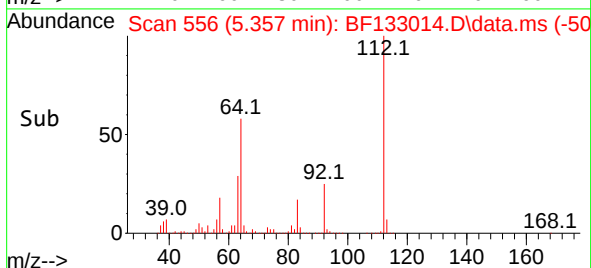
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

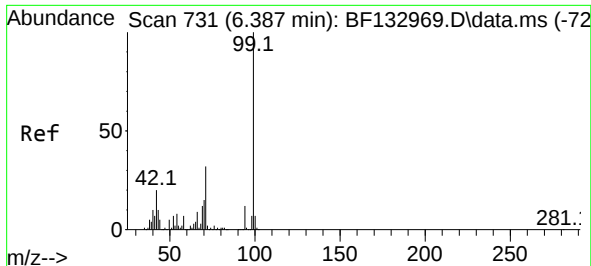


#5
2-Fluorophenol
Concen: 88.928 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55



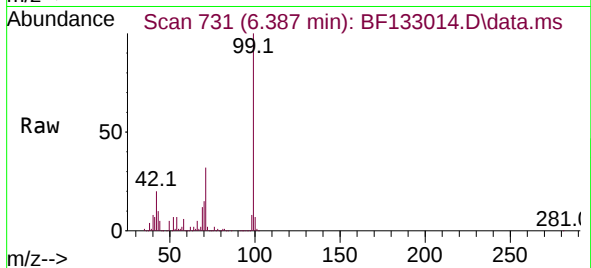
Tgt Ion:112 Resp: 1230841
Ion Ratio Lower Upper
112 100
64 58.0 46.8 70.2
63 29.4 23.8 35.8





#7
Phenol-d6
Concen: 91.999 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

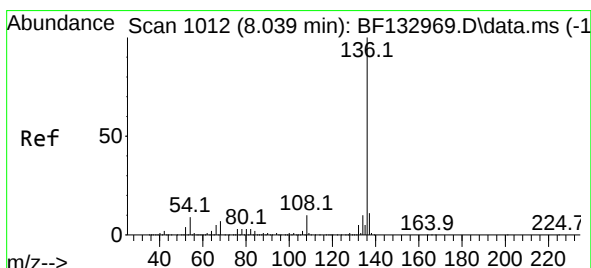
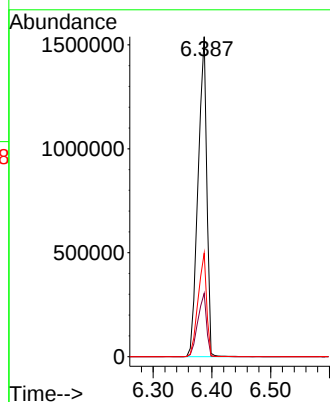
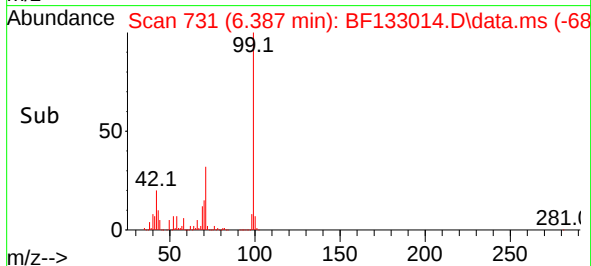
Instrument :
BNA_F
ClientSampleId :
MH-91



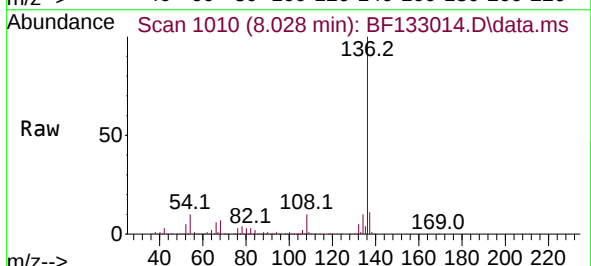
Tgt Ion: 99 Resp: 158048
Ion Ratio Lower Upper
99 100
42 19.8 16.3 24.5
71 32.4 25.6 38.4

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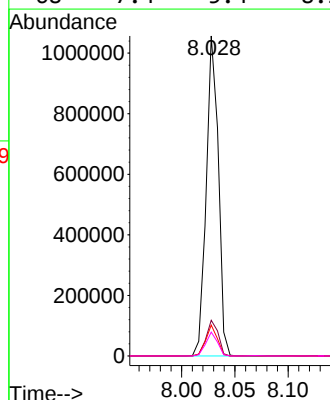
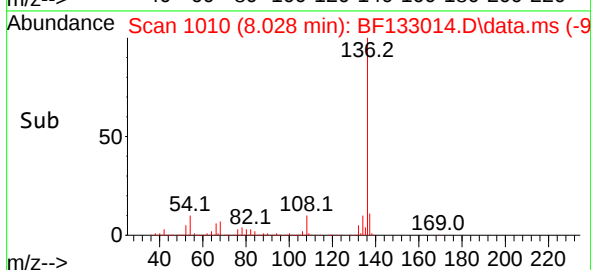
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

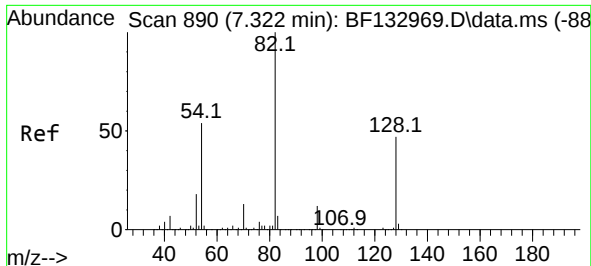


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55



Tgt Ion:136 Resp: 838513
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.6 7.0 10.4
68 7.4 5.4 8.2





#23

Nitrobenzene-d5

Concen: 60.859 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

Instrument :

BNA_F

ClientSampleId :

MH-91

Tgt Ion: 82 Resp: 945424

Ion Ratio Lower Upper

82 100

128 47.7 37.7 56.5

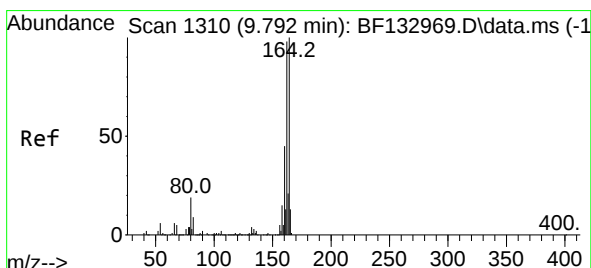
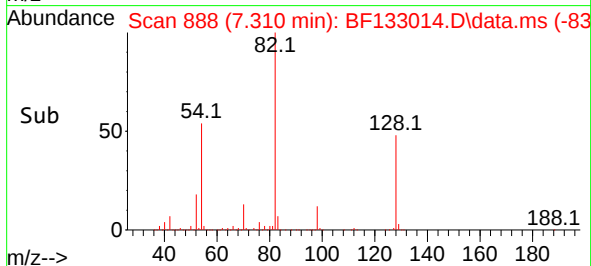
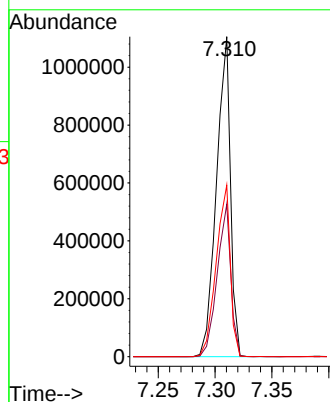
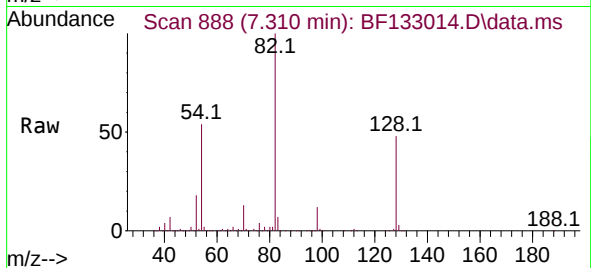
54 53.6 43.0 64.4

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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: BF133014.D

Acq: 25 Apr 2023 00:55

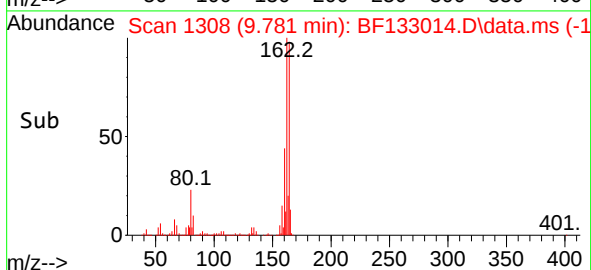
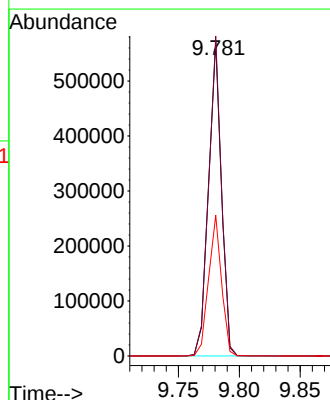
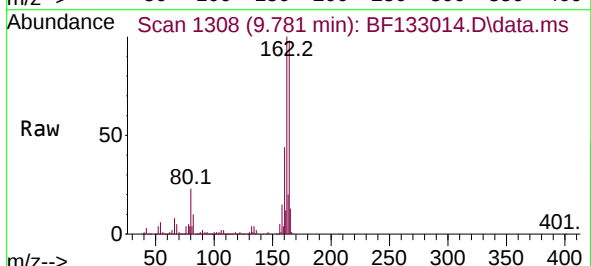
Tgt Ion:164 Resp: 420752

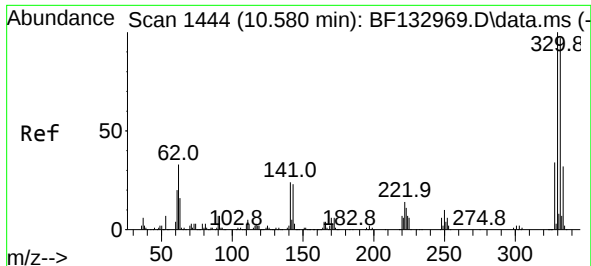
Ion Ratio Lower Upper

164 100

162 102.0 78.7 118.1

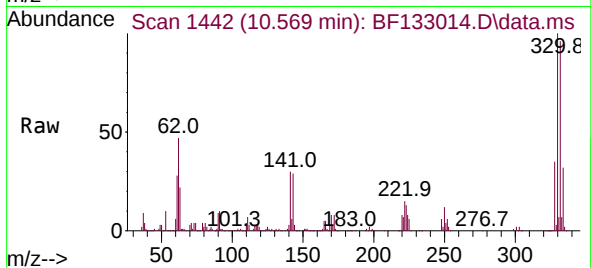
160 44.9 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 97.634 ng
RT: 10.569 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

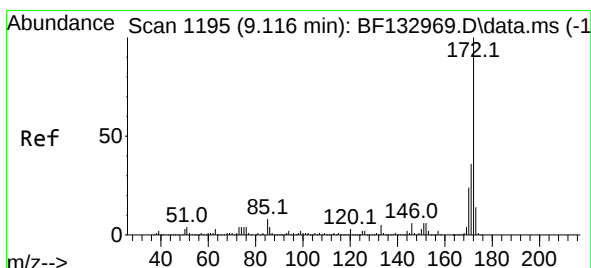
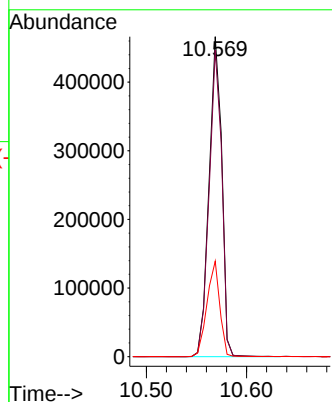
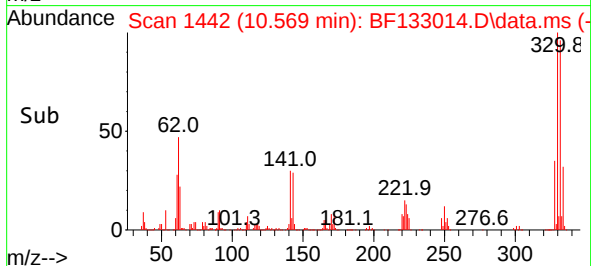
Instrument :
BNA_F
ClientSampleId :
MH-91



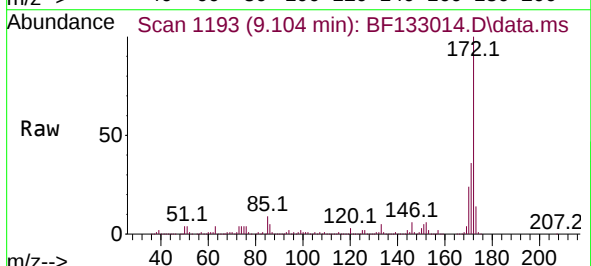
Tgt Ion:330 Resp: 413130
Ion Ratio Lower Upper
330 100
332 95.5 77.1 115.7
141 30.1 25.8 38.8

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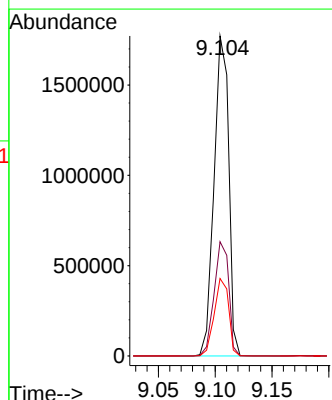
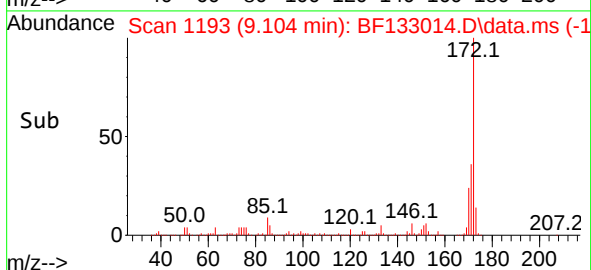
Reviewed By :Christian Giraldo 04/25/2023
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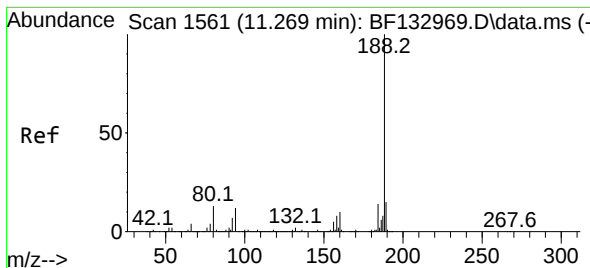


#45
2-Fluorobiphenyl
Concen: 63.090 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55



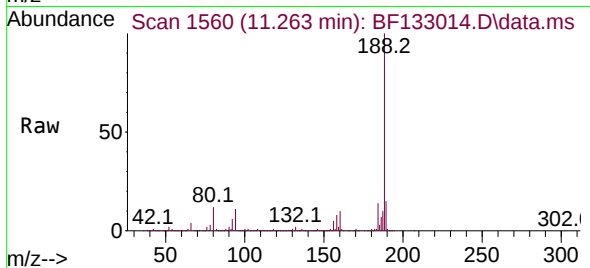
Tgt Ion:172 Resp: 1586683
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 24.2 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

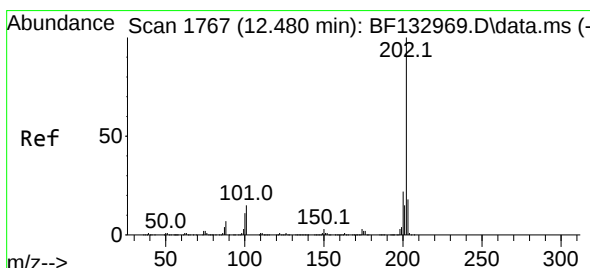
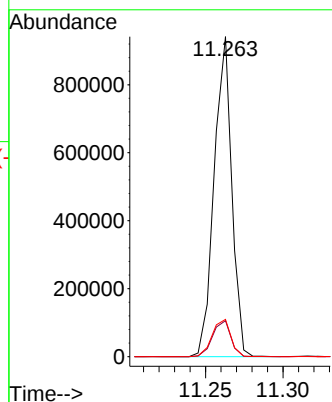
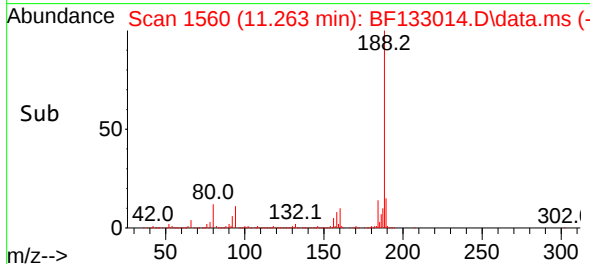
Instrument :
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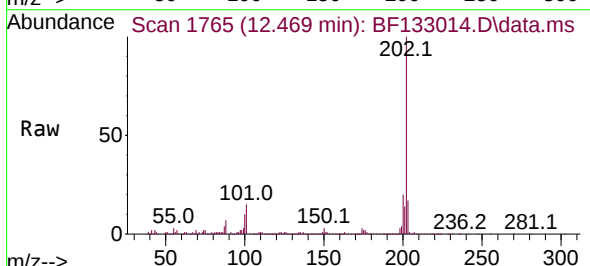
Tgt Ion:188 Resp: 74386
Ion Ratio Lower Upper
188 100
94 11.2 9.7 14.5
80 11.6 10.4 15.6

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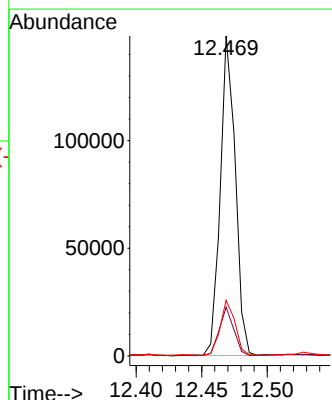
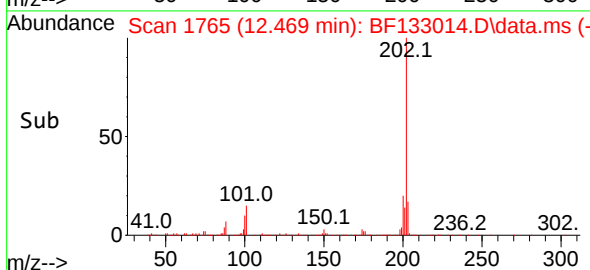
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

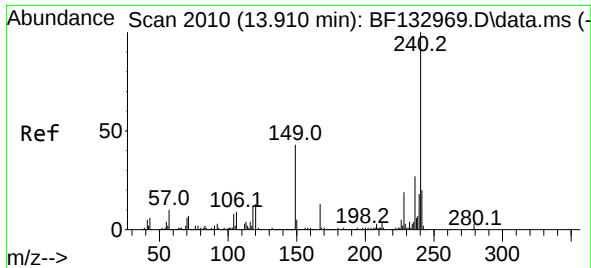


#75
Fluoranthene
Concen: 2.944 ng
RT: 12.469 min Scan# 1765
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55



Tgt Ion:202 Resp: 118147
Ion Ratio Lower Upper
202 100
101 15.3 0.0 35.3
203 17.4 0.0 38.1





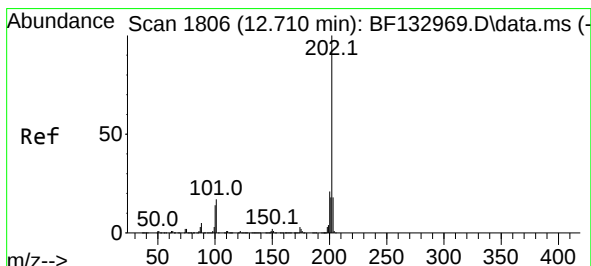
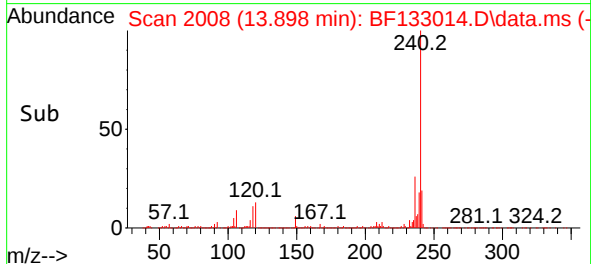
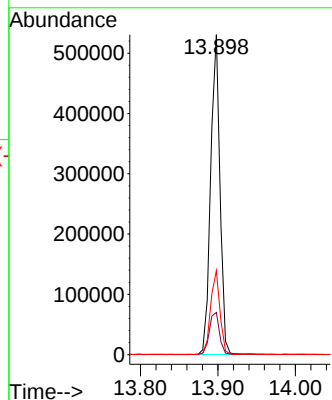
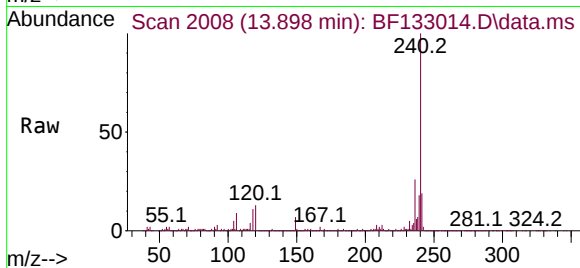
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

Instrument :
BNA_F
ClientSampleId :
MH-91

Tgt Ion:240 Resp: 44172
Ion Ratio Lower Upper
240 100
120 13.2 10.5 15.7
236 26.3 21.5 32.3

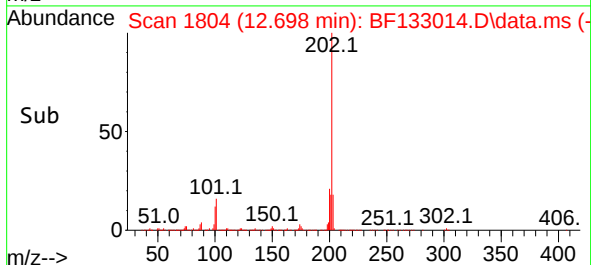
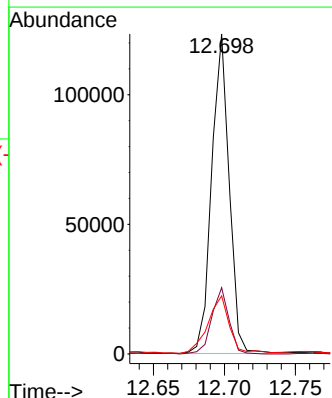
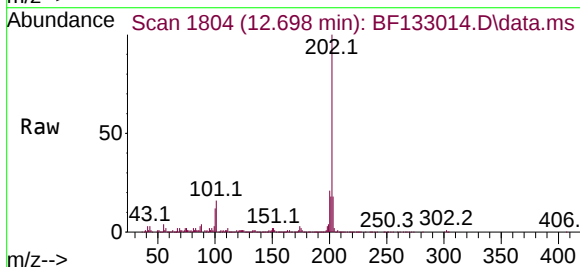
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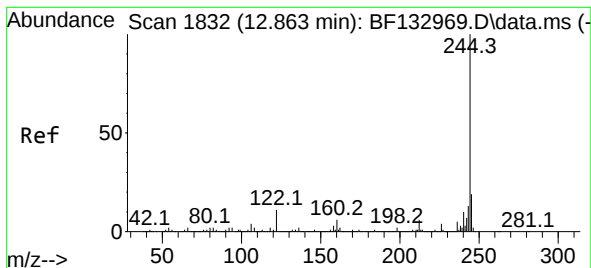
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#78
Pyrene
Concen: 2.786 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

Tgt Ion:202 Resp: 105506
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 18.1 14.1 21.1





#79

Terphenyl-d14

Concen: 66.160 ng

RT: 12.851 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

Instrument :

BNA_F

ClientSampleId :

MH-91

Tgt Ion:244 Resp: 1694492

Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

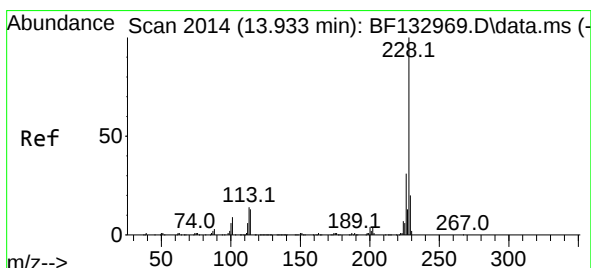
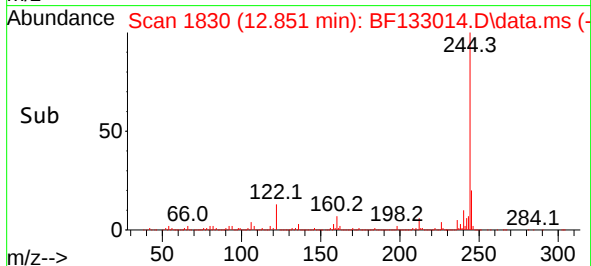
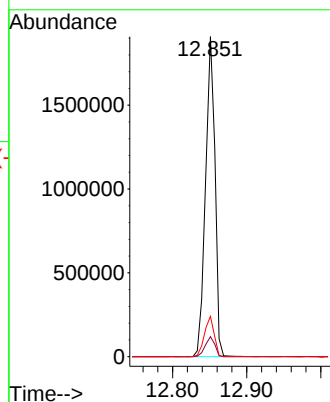
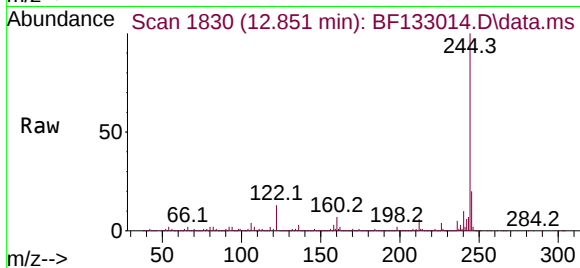
122 12.6 8.6 13.0

Manual Integrations

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#83

Chrysene

Concen: 2.303 ng m

RT: 13.922 min Scan# 2012

Delta R.T. -0.011 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

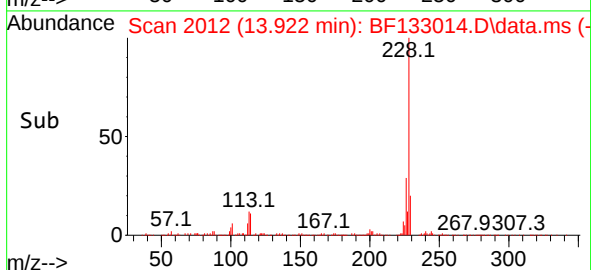
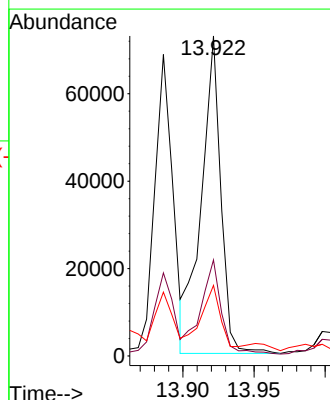
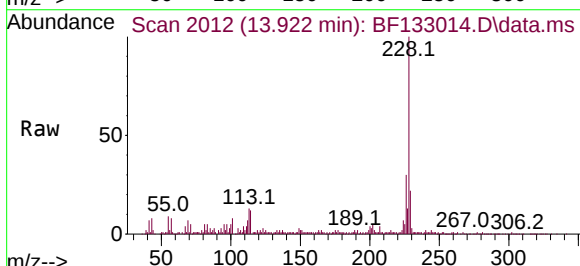
Tgt Ion:228 Resp: 69952

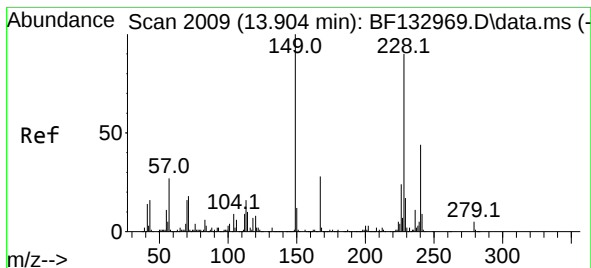
Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

229 22.1 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.773 ng

RT: 13.892 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

Instrument :

BNA_F

ClientSampleId :

MH-91

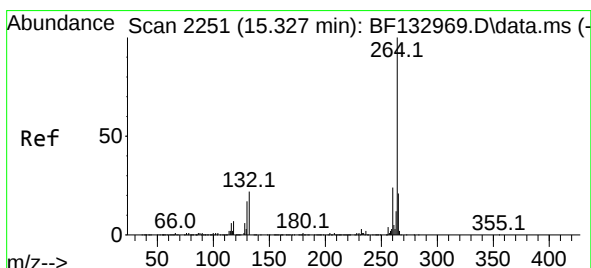
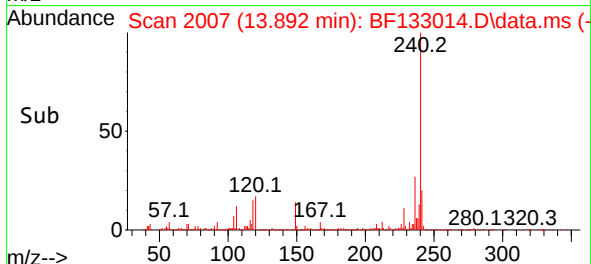
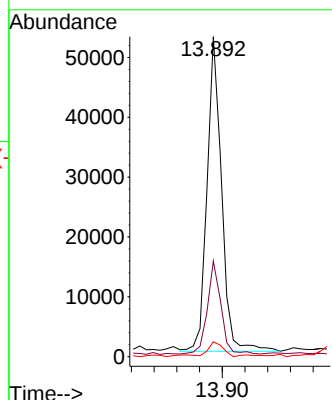
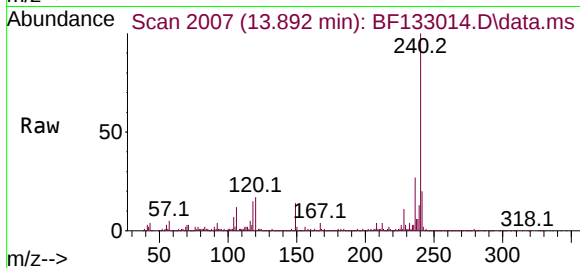
Tgt Ion:	149	Resp:	46674
Ion Ratio	Lower	Upper	
149	100		
167	29.9	22.5	33.7
279	4.6	4.2	6.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023

Supervised By :Jagrut Upadhyay 04/25/2023



#86

Perylene-d12

Concen: 20.000 ng

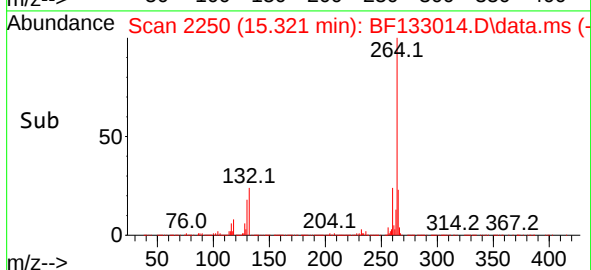
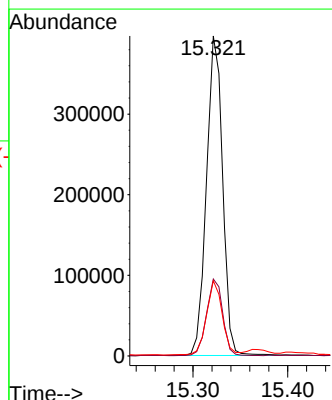
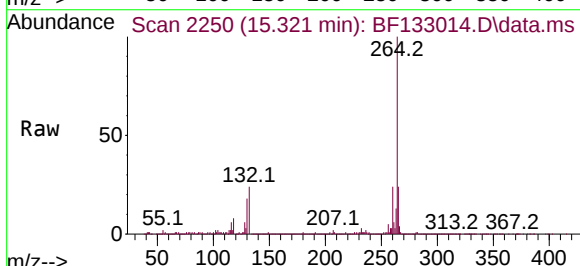
RT: 15.321 min Scan# 2250

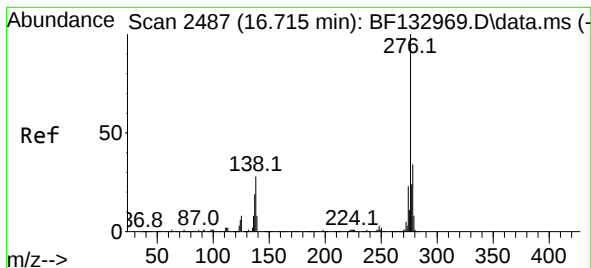
Delta R.T. -0.006 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

Tgt Ion:	264	Resp:	470471
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.8	28.2
265	23.5	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.029 ng

RT: 16.698 min Scan# 2487

Delta R.T. -0.018 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

Instrument :

BNA_F

ClientSampleId :

MH-91

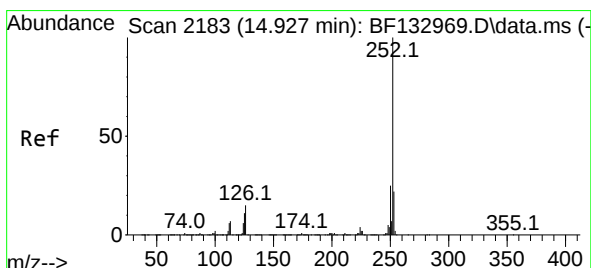
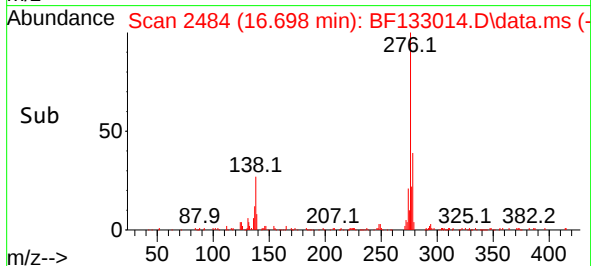
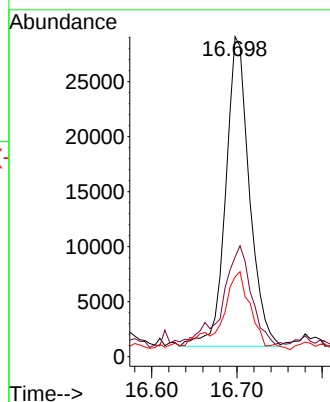
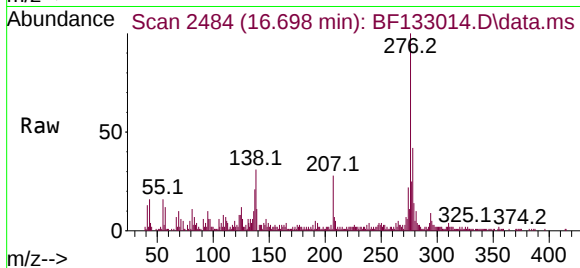
Tgt Ion:	276	Resp:	54290
Ion Ratio	Lower	Upper	
276	100		
138	37.8	25.5	38.3
277	32.6	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023

Supervised By :Jagrut Upadhyay 04/25/2023



#88

Benzo(b)fluoranthene

Concen: 2.945 ng m

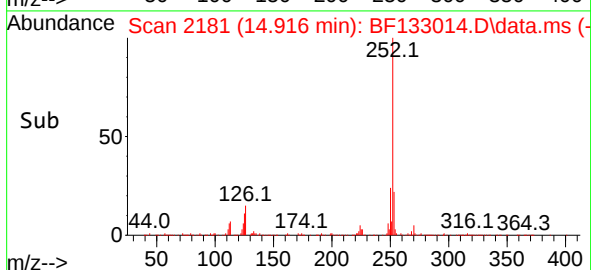
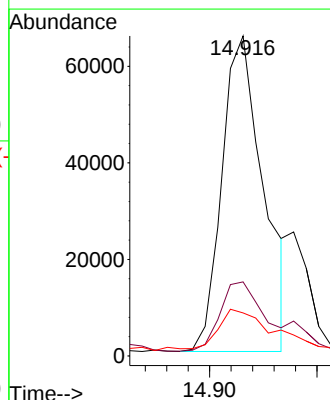
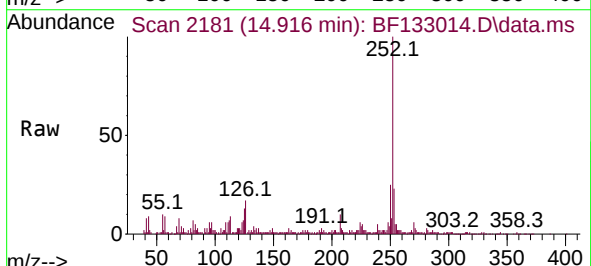
RT: 14.916 min Scan# 2181

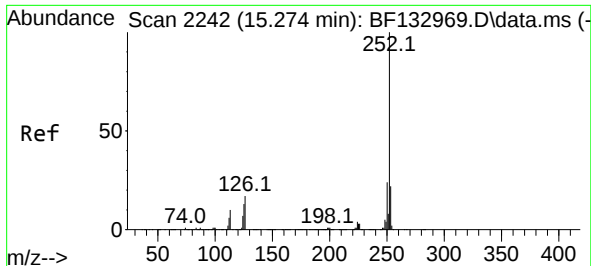
Delta R.T. -0.012 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

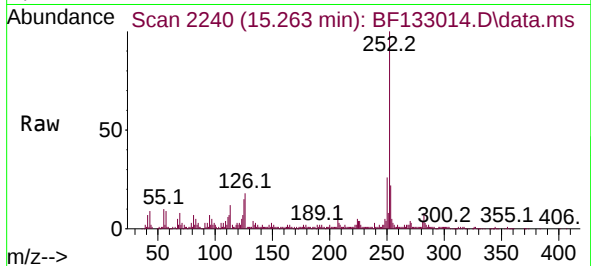
Tgt Ion:	252	Resp:	88138
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.6	26.4
125	13.5	8.9	13.3





#90
Benzo(a)pyrene
Concen: 2.932 ng
RT: 15.263 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

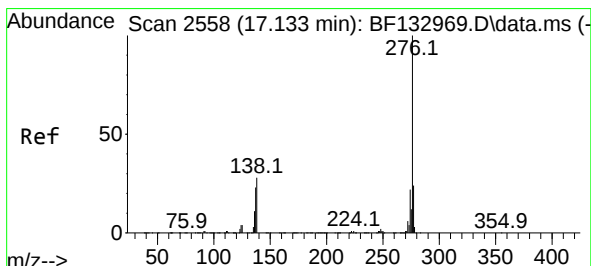
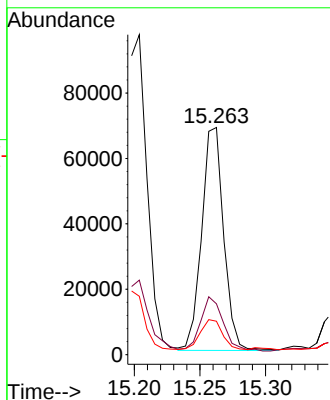
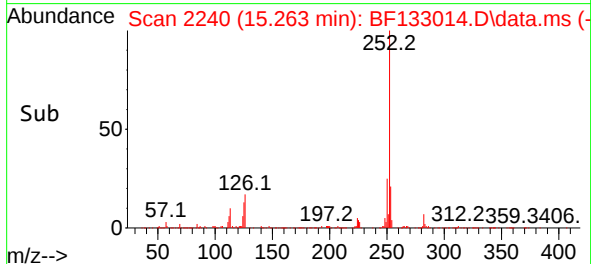
Instrument :
BNA_F
ClientSampleId :
MH-91



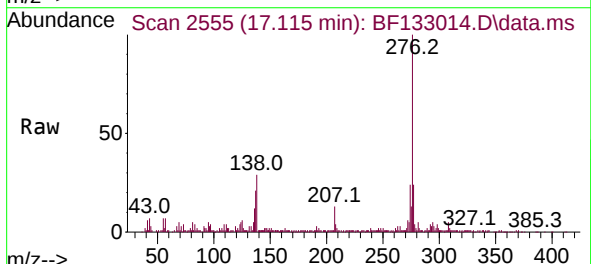
Tgt Ion:252 Resp: 7988
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 14.8 10.5 15.7

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 4.610 ng
RT: 17.115 min Scan# 2555
Delta R.T. -0.018 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55



Tgt Ion:276 Resp: 101580
Ion Ratio Lower Upper
276 100
277 24.1 19.4 29.0
138 29.4 22.7 34.1

