

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051623\
 Data File : BF133404.D
 Acq On : 16 May 2023 16:07
 Operator : CG\JU
 Sample : 02802-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ORA-1639

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/17/2023
 Supervised By : Jagrut Upadhyay 05/17/2023

Quant Time: May 16 16:53:45 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	6.716	152	232988	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	899856	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	407502	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	645501	20.000	ng	0.00
76) Chrysene-d12	13.880	240	520869	20.000	ng	0.00
86) Perylene-d12	15.304	264	436706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	272778	17.686	ng	0.00
7) Phenol-d6	6.363	99	335306	17.515	ng	0.00
23) Nitrobenzene-d5	7.281	82	192199	11.529	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	63906	15.594	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	390036	16.013	ng	-0.01
79) Terphenyl-d14	12.821	244	372069	12.320	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	190964	5.504	ng	99
75) Fluoranthene	12.451	202	301096	8.647	ng	97
78) Pyrene	12.680	202	360905	8.083	ng	100
81) Benzo(a)anthracene	13.868	228	159891	4.464	ng	93
83) Chrysene	13.904	228	159358	4.450	ng	98
87) Indeno(1,2,3-cd)pyrene	16.686	276	67330	2.710	ng	96
88) Benzo(b)fluoranthene	14.898	252	166184m	5.982	ng	
90) Benzo(a)pyrene	15.245	252	127358	5.036	ng	# 95
92) Benzo(g,h,i)perylene	17.104	276	73275	3.582	ng	95

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

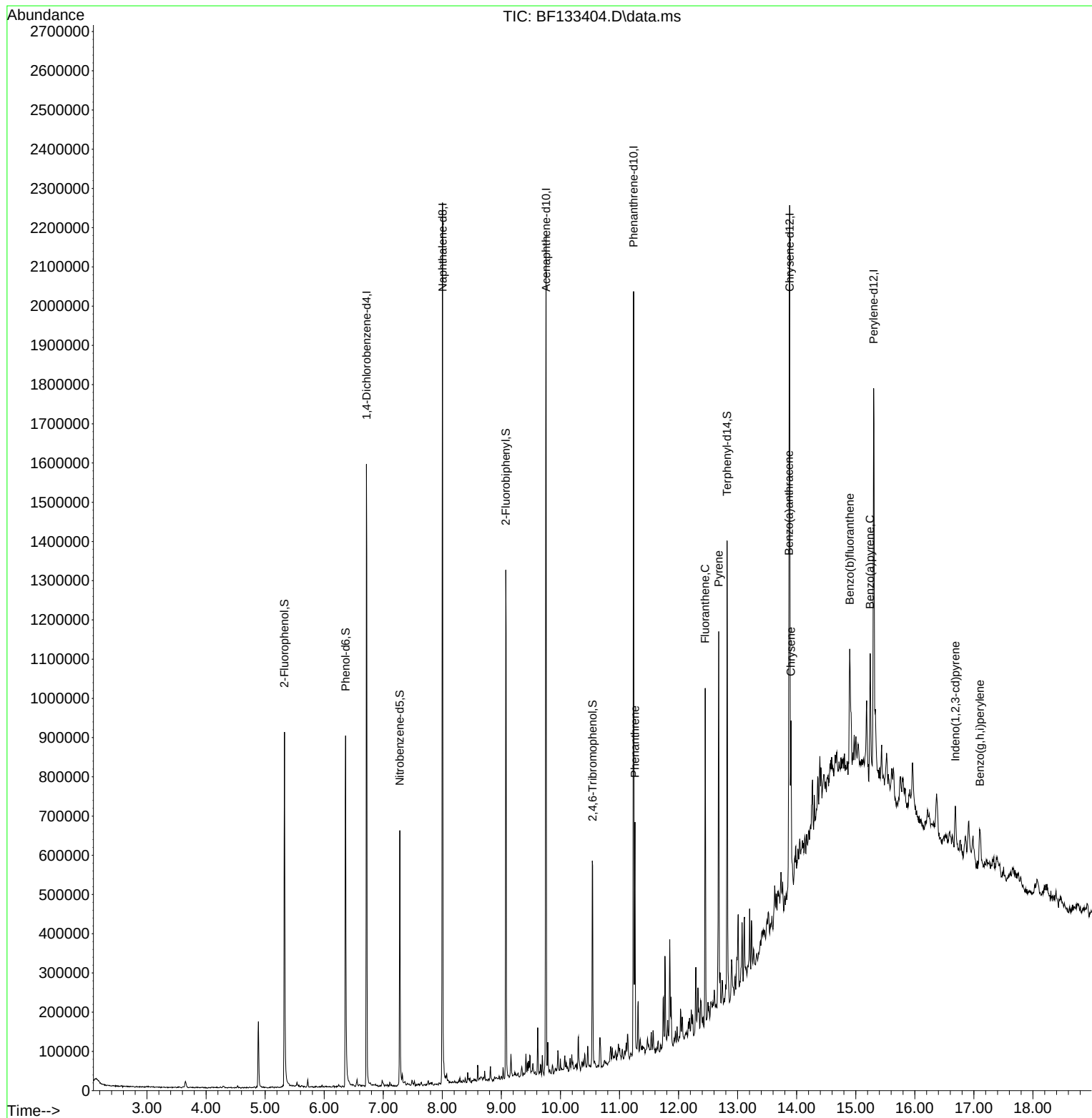
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051623\
Data File : BF133404.D
Acq On : 16 May 2023 16:07
Operator : CG\JU
Sample : 02802-01 5X
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ALS Vial : 9 Sample Multiplier: 1

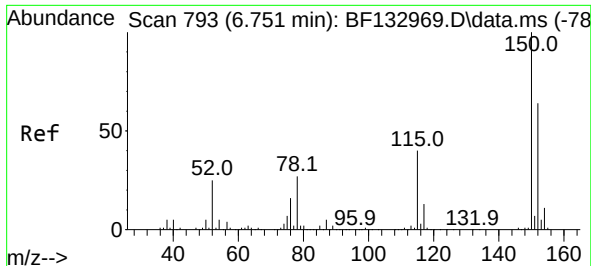
Instrument :
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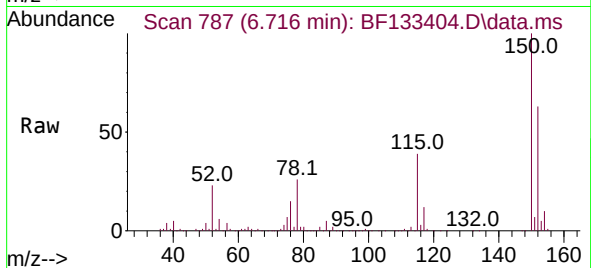
Quant Time: May 16 16:53:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 16 14:39:29 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07

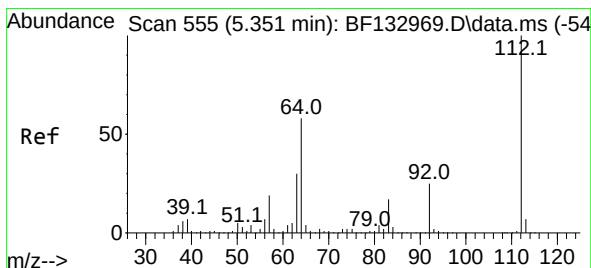
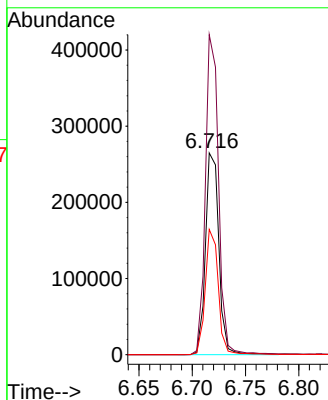
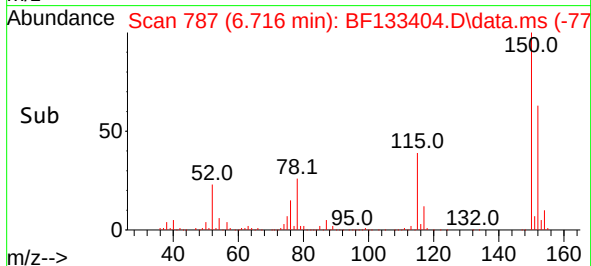
Instrument :
BNA_F
ClientSampleId :
ORA-1639



Tgt Ion:152 Resp: 232988
Ion Ratio Lower Upper
152 100
150 158.6 124.8 187.2
115 62.1 49.9 74.9

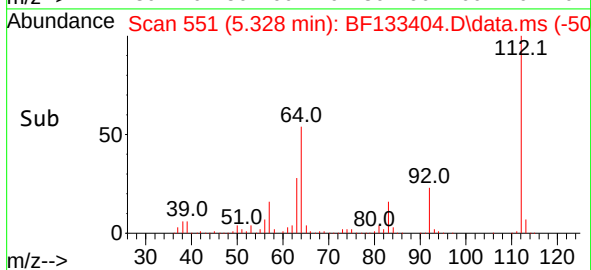
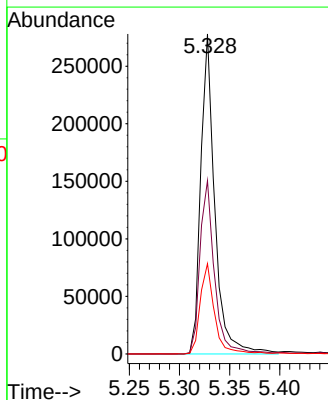
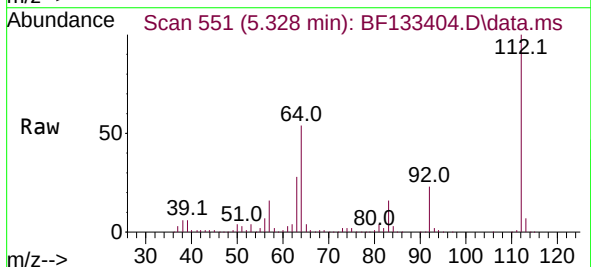
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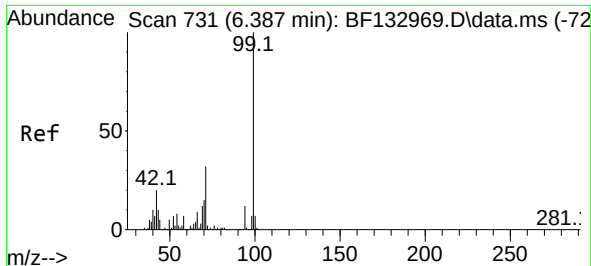
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#5
2-Fluorophenol
Concen: 17.686 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07

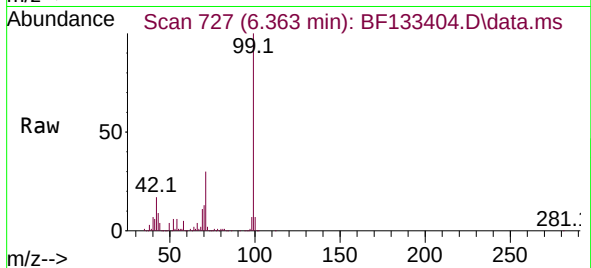
Tgt Ion:112 Resp: 272778
Ion Ratio Lower Upper
112 100
64 54.1 46.8 70.2
63 28.2 23.8 35.8





#7
Phenol-d6
Concen: 17.515 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07

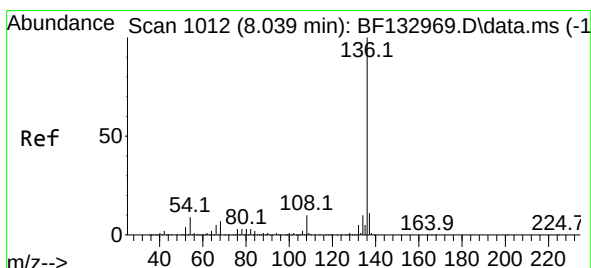
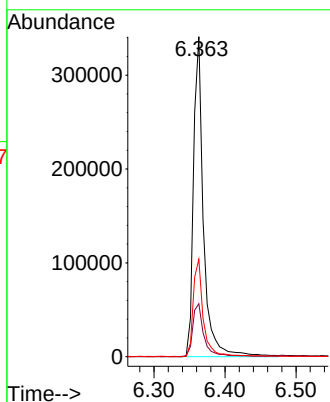
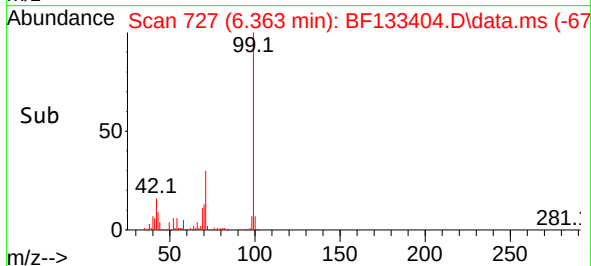
Instrument :
BNA_F
ClientSampleId :
ORA-1639



Tgt Ion: 99 Resp: 335300
Ion Ratio Lower Upper
99 100
42 16.5 16.3 24.5
71 30.5 25.6 38.4

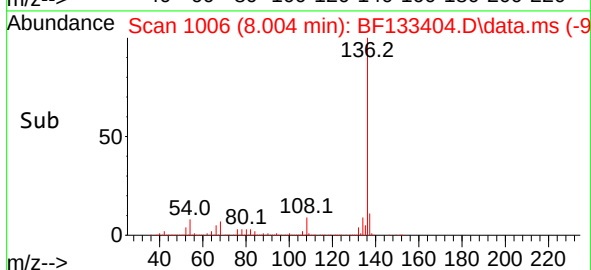
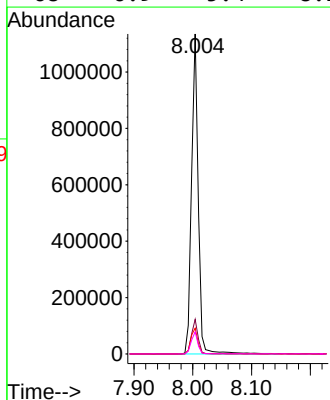
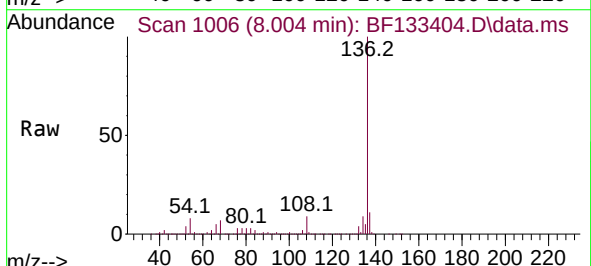
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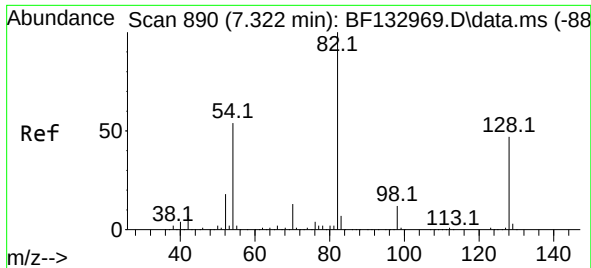
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07

Tgt Ion:136 Resp: 899856
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.0 7.0 10.4
68 6.9 5.4 8.2





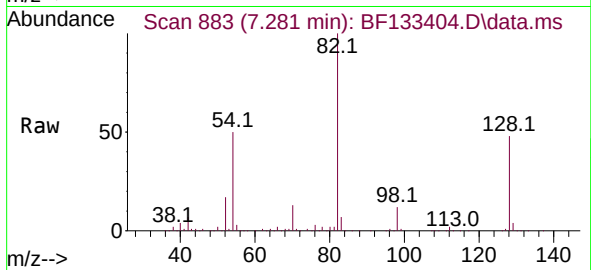
#23
Nitrobenzene-d5
Concen: 11.529 ng
RT: 7.281 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

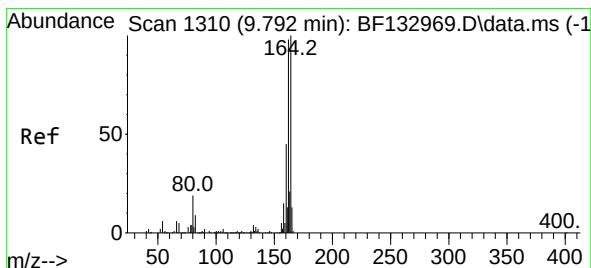
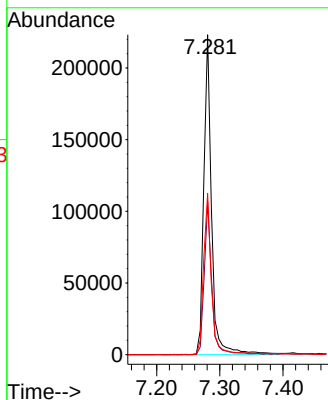
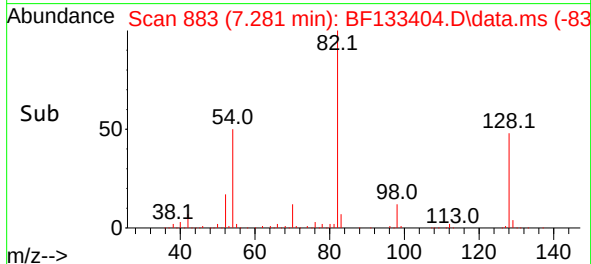
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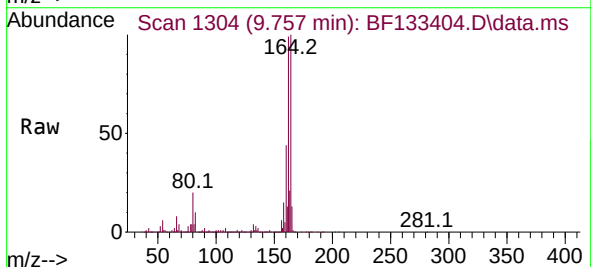
Tgt Ion: 82 Resp: 192199
Ion Ratio Lower Upper
82 100
128 47.6 37.7 56.5
54 50.4 43.0 64.4

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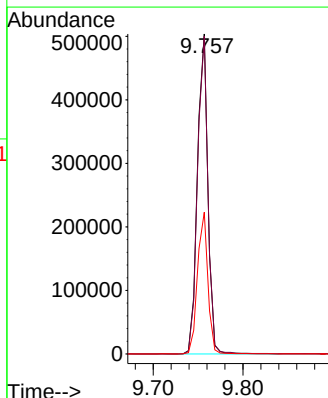
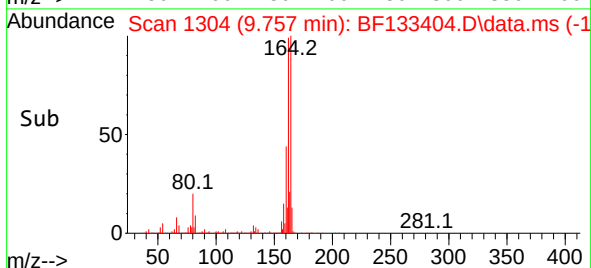
Reviewed By :Christian Giraldo 05/17/2023
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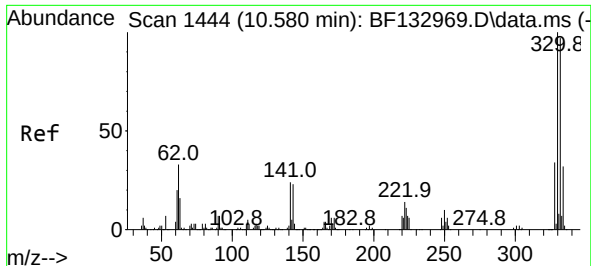


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07



Tgt Ion:164 Resp: 407502
Ion Ratio Lower Upper
164 100
162 99.3 78.7 118.1
160 44.3 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 15.594 ng
RT: 10.545 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

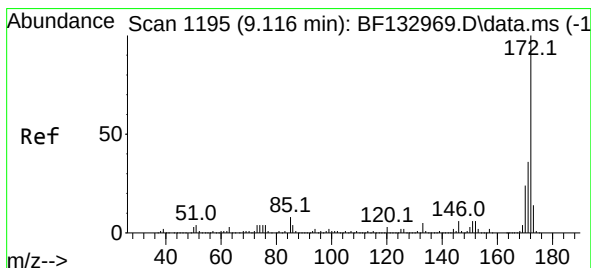
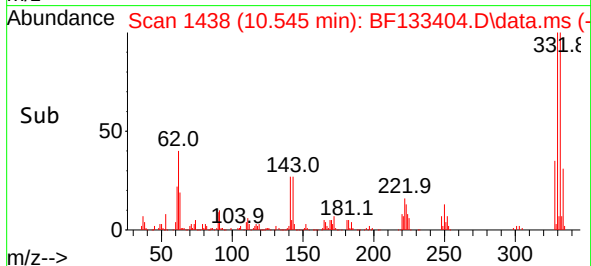
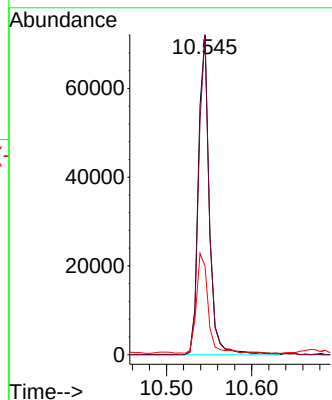
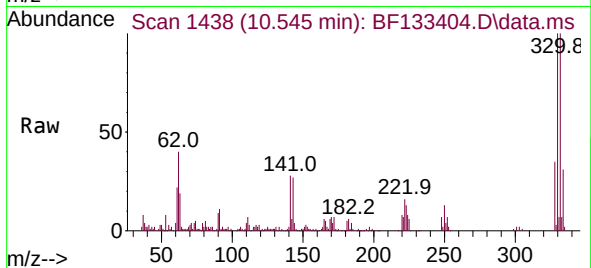
ORA-1639

Tgt Ion: 330 Resp: 63900
Ion Ratio Lower Upper
330 100
332 97.7 77.1 115.7
141 33.2 25.8 38.8

Manual Integrations

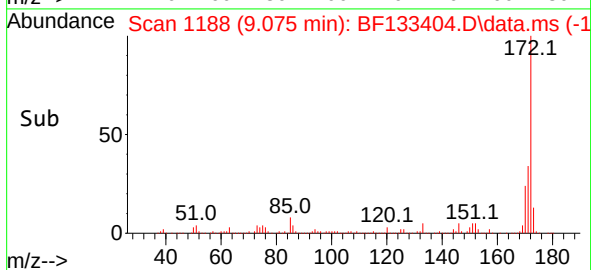
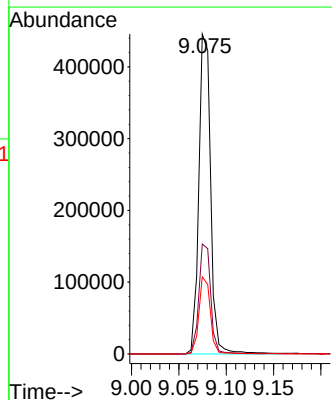
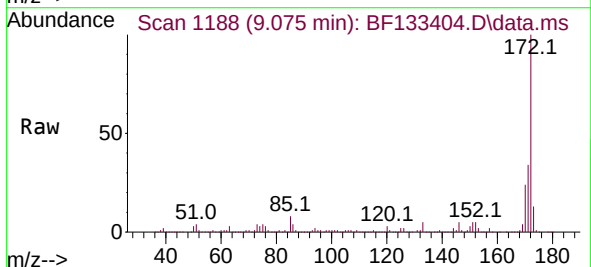
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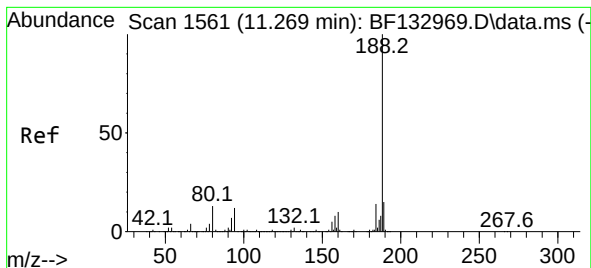
Reviewed By : Christian Giraldo 05/17/2023
Supervised By : Jagrut Upadhyay 05/17/2023



#45
2-Fluorobiphenyl
Concen: 16.013 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07

Tgt Ion: 172 Resp: 390036
Ion Ratio Lower Upper
172 100
171 34.4 28.8 43.2
170 24.1 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF133404.D

Acq: 16 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

ORA-1639

Tgt Ion:188 Resp: 64550

Ion Ratio Lower Upper

188 100

94 10.9 9.7 14.5

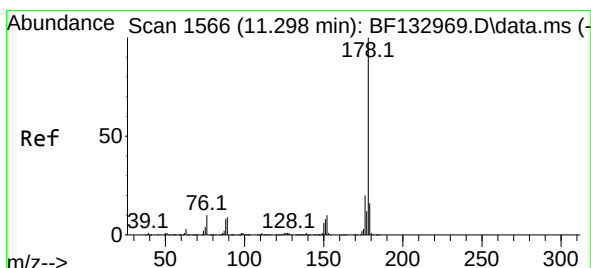
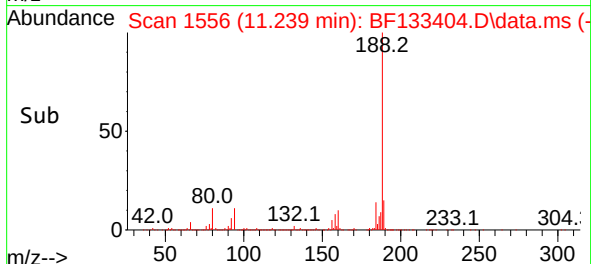
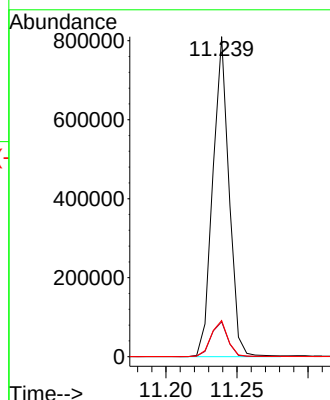
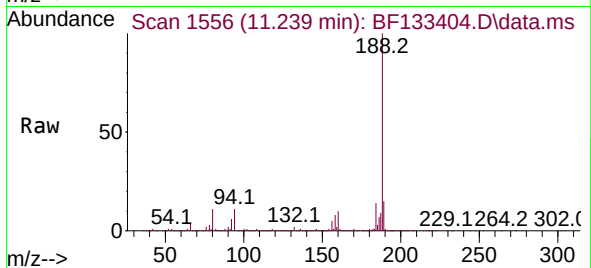
80 11.3 10.4 15.6

Manual Integrations

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Reviewed By :Christian Giraldo 05/17/2023

Supervised By :Jagrut Upadhyay 05/17/2023



#71

Phenanthrene

Concen: 5.504 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF133404.D

Acq: 16 May 2023 16:07

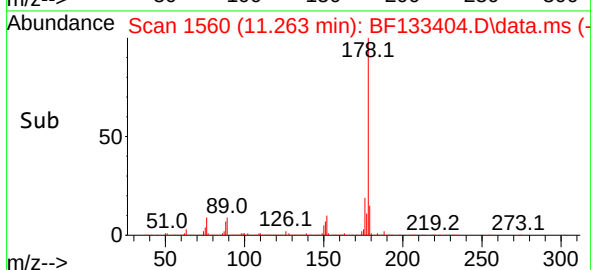
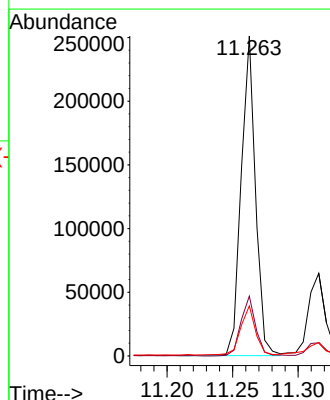
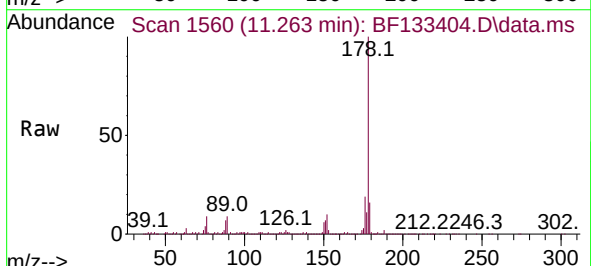
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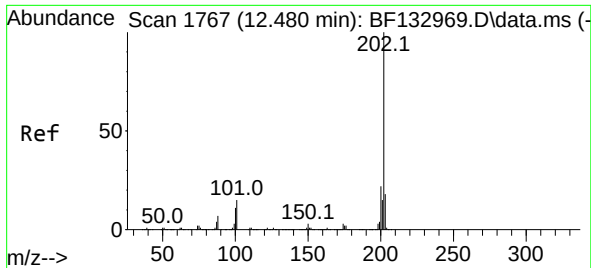
Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

179 15.6 12.5 18.7





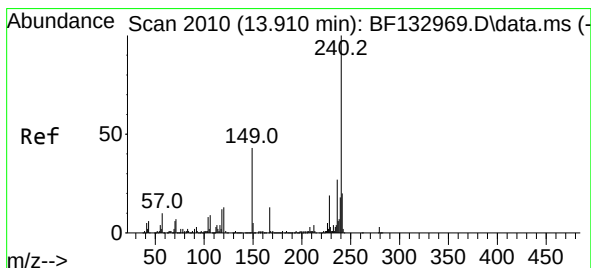
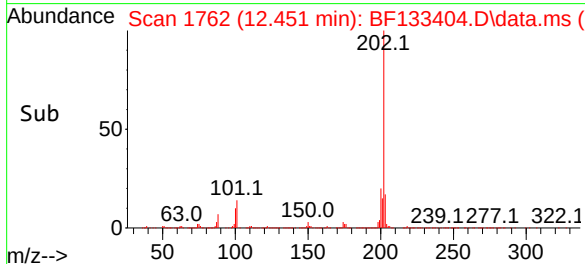
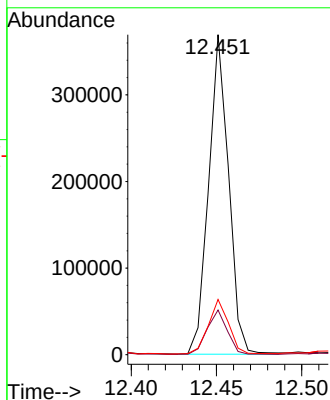
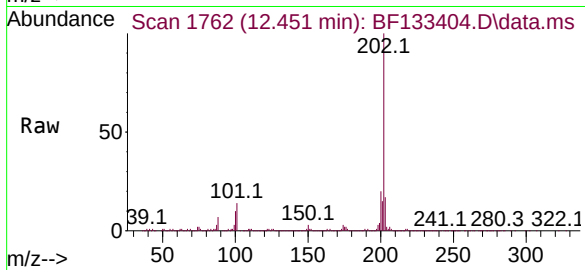
#75
Fluoranthene
Concen: 8.647 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07

Instrument :
BNA_F
ClientSampleId :
ORA-1639

Tgt Ion:202 Resp: 301090
Ion Ratio Lower Upper
202 100
101 13.9 0.0 35.3
203 17.2 0.0 38.1

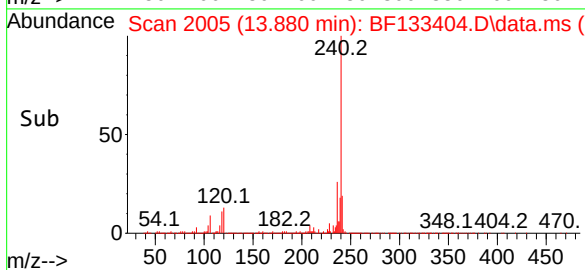
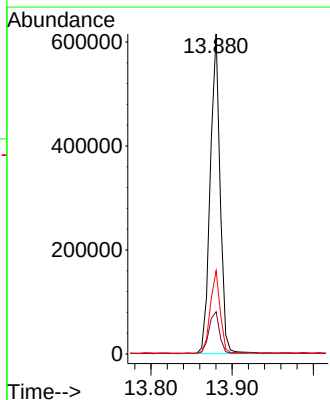
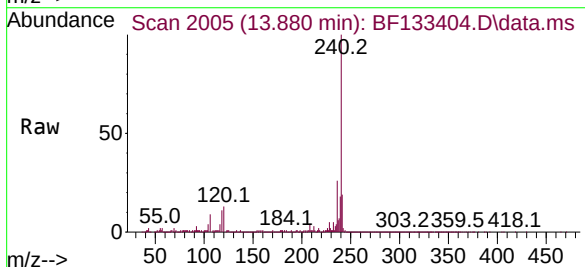
Manual Integrations
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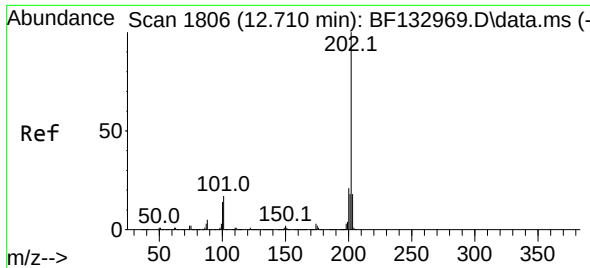
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07

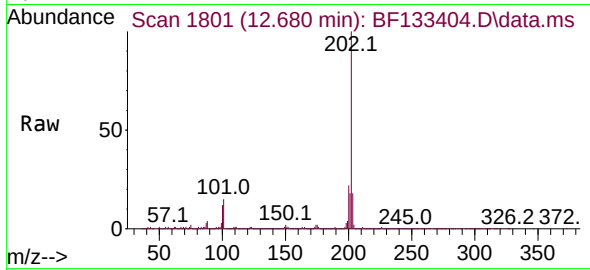
Tgt Ion:240 Resp: 520869
Ion Ratio Lower Upper
240 100
120 13.2 10.5 15.7
236 26.0 21.5 32.3





#78
 Pyrene
 Concen: 8.083 ng
 RT: 12.680 min Scan# 1801
 Delta R.T. -0.006 min
 Lab File: BF133404.D
 Acq: 16 May 2023 16:07

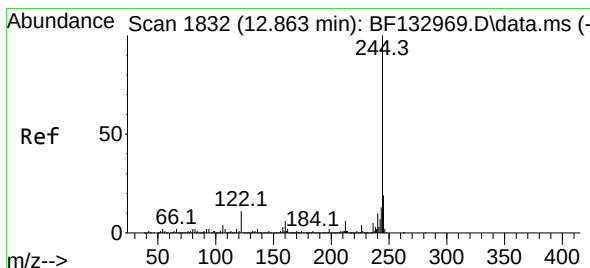
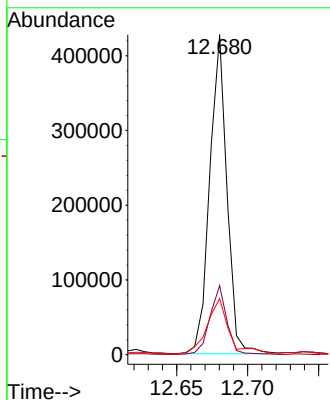
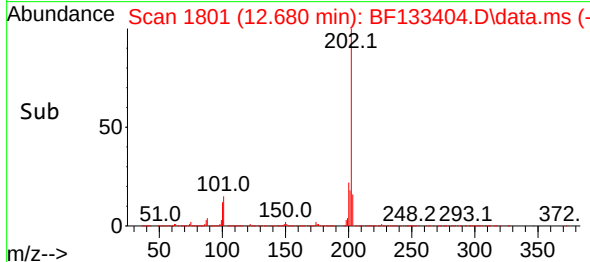
Instrument :
 BNA_F
 ClientSampleId :
 ORA-1639



Tgt Ion:202 Resp: 360905
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.1 25.7
 203 17.5 14.1 21.1

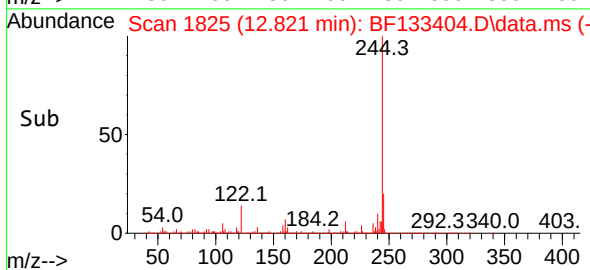
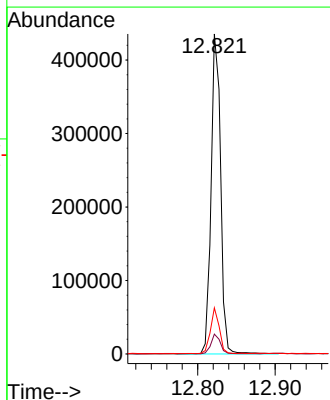
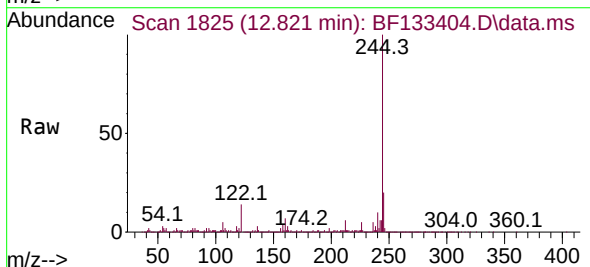
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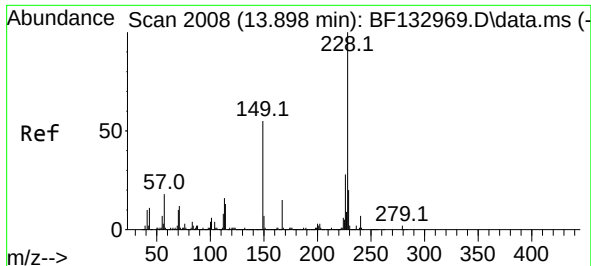
Reviewed By :Christian Giraldo 05/17/2023
 Supervised By :Jagrut Upadhyay 05/17/2023



#79
 Terphenyl-d14
 Concen: 12.320 ng
 RT: 12.821 min Scan# 1825
 Delta R.T. -0.012 min
 Lab File: BF133404.D
 Acq: 16 May 2023 16:07

Tgt Ion:244 Resp: 372069
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.1 7.7
 122 14.4 8.6 13.0#





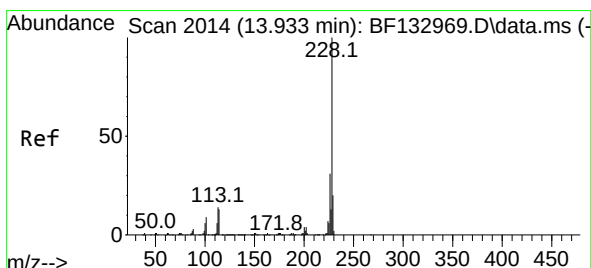
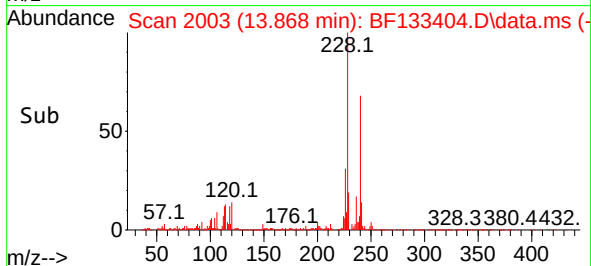
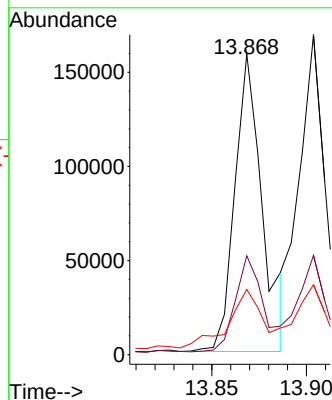
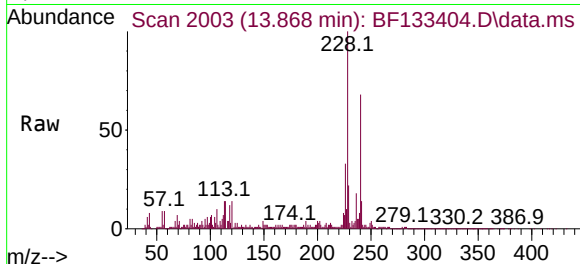
#81
Benzo(a)anthracene
Concen: 4.464 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07

Instrument :
BNA_F
ClientSampleId :
ORA-1639

Tgt Ion:228 Resp: 15989
Ion Ratio Lower Upper
228 100
226 32.9 22.2 33.4
229 21.7 16.0 24.0

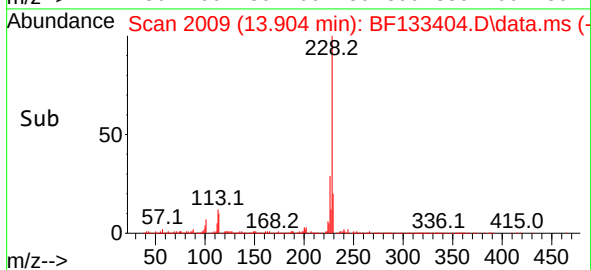
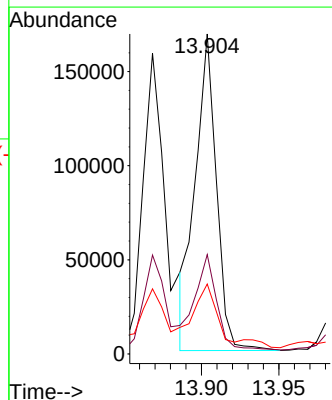
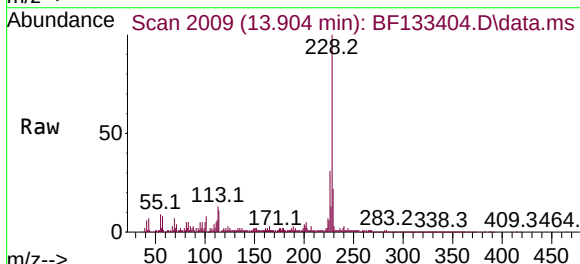
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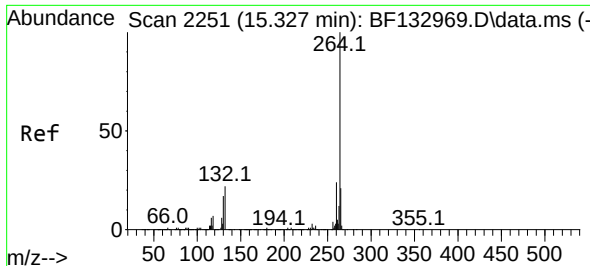
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#83
Chrysene
Concen: 4.450 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07

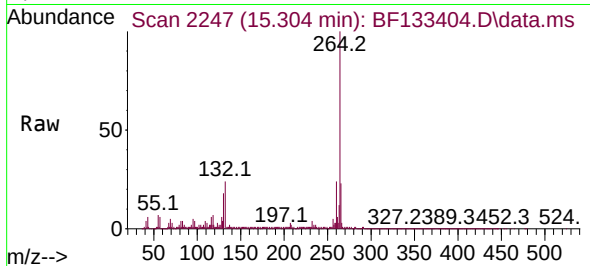
Tgt Ion:228 Resp: 159358
Ion Ratio Lower Upper
228 100
226 31.1 24.7 37.1
229 21.9 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07

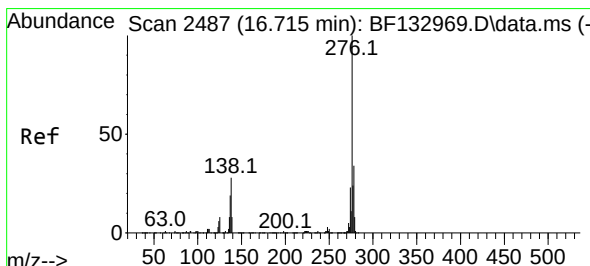
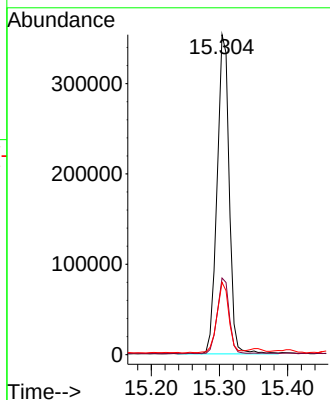
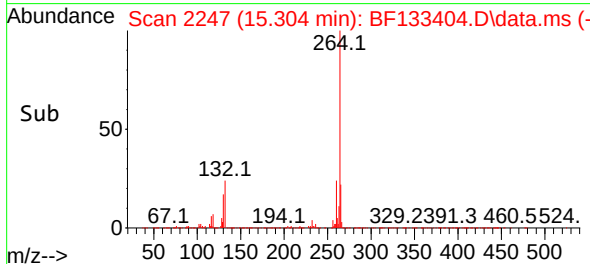
Instrument :
BNA_F
ClientSampleId :
ORA-1639



Tgt Ion:264 Resp: 436700
Ion Ratio Lower Upper
264 100
260 23.9 18.8 28.2
265 22.6 17.0 25.4

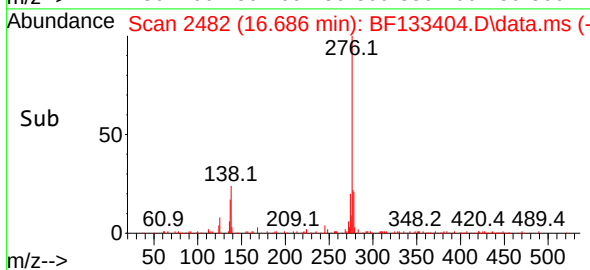
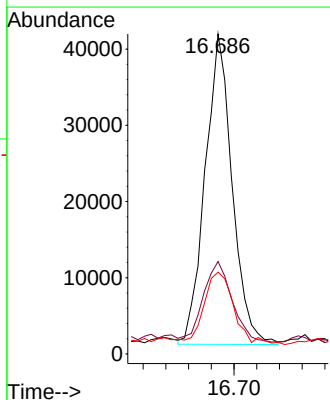
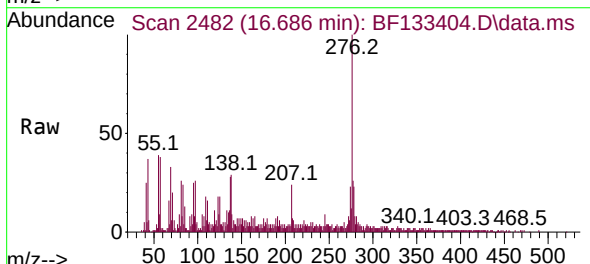
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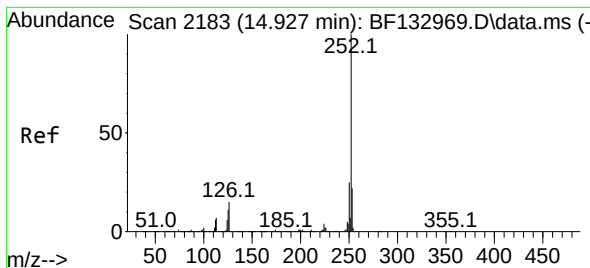
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.710 ng
RT: 16.686 min Scan# 2482
Delta R.T. -0.012 min
Lab File: BF133404.D
Acq: 16 May 2023 16:07

Tgt Ion:276 Resp: 67330
Ion Ratio Lower Upper
276 100
138 27.6 25.5 38.3
277 25.5 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 5.982 ng m

RT: 14.898 min Scan# 2183

Delta R.T. -0.000 min

Lab File: BF133404.D

Acq: 16 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

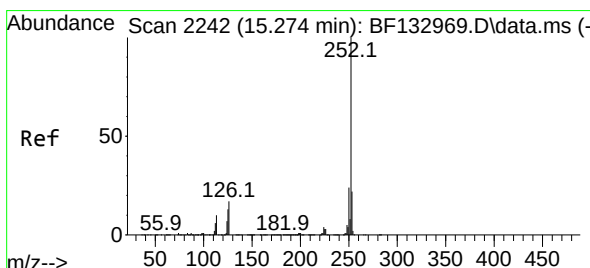
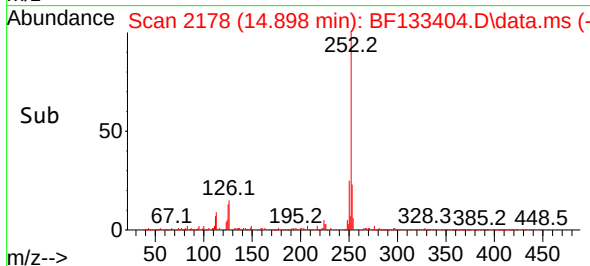
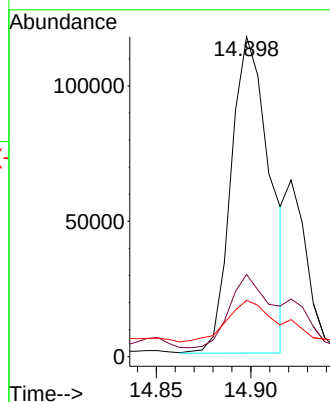
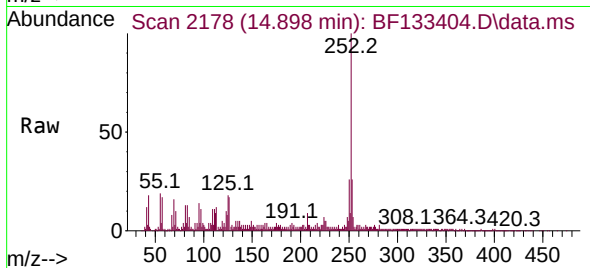
ORA-1639

Tgt Ion:252 Resp: 166184
 Ion Ratio Lower Upper
 252 100
 253 25.7 17.6 26.4
 125 17.6 8.9 13.3

Manual Integrations

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Reviewed By :Christian Giraldo 05/17/2023
 Supervised By :Jagrut Upadhyay 05/17/2023



#90

Benzo(a)pyrene

Concen: 5.036 ng

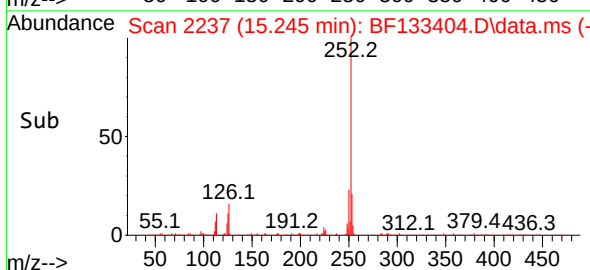
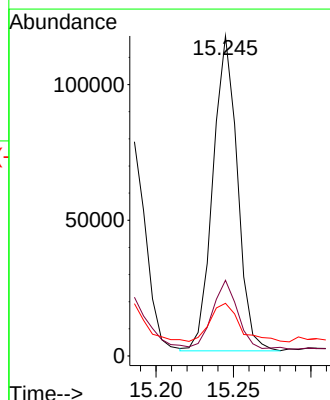
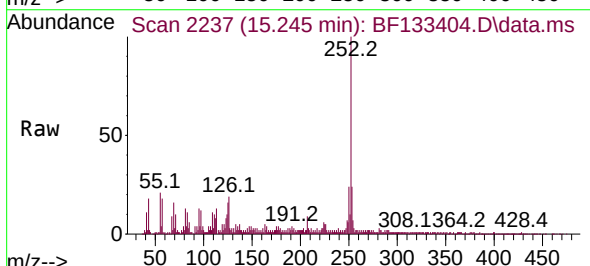
RT: 15.245 min Scan# 2237

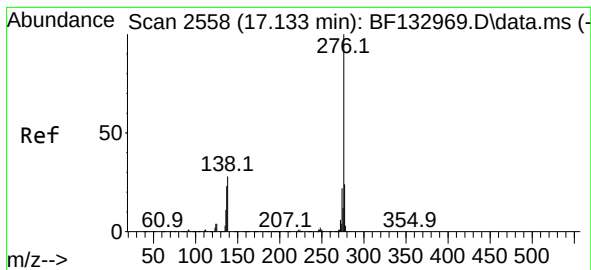
Delta R.T. -0.000 min

Lab File: BF133404.D

Acq: 16 May 2023 16:07

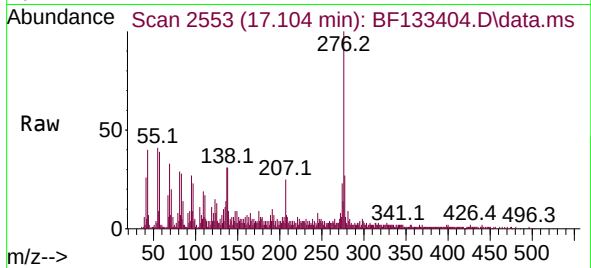
Tgt Ion:252 Resp: 127358
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.7 26.5
 125 16.4 10.5 15.7





#92
 Benzo(g,h,i)perylene
 Concen: 3.582 ng
 RT: 17.104 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133404.D
 Acq: 16 May 2023 16:07

Instrument :
 BNA_F
 ClientSampleId :
 ORA-1639



Tgt Ion:	276	Resp:	73275
Ion Ratio	Lower	Upper	
276	100		
277	26.7	19.4	29.0
138	31.3	22.7	34.1

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/17/2023
 Supervised By :Jagrut Upadhyay 05/17/2023

