

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
 Data File : BF133347.D
 Acq On : 10 May 2023 23:46
 Operator : CG\JU
 Sample : 02691-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-504-COMP-06

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/11/2023
 Supervised By : Jagrut Upadhyay 05/11/2023

Quant Time: May 11 03:44:23 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 09 04:59:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	209078	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	795396	20.000	ng	0.00
39) Acenaphthene-d10	9.751	164	352817	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	545709	20.000	ng	-0.01
76) Chrysene-d12	13.874	240	386382	20.000	ng	0.00
86) Perylene-d12	15.298	264	339977	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1069286	77.257	ng	0.00
7) Phenol-d6	6.363	99	1248365	72.668	ng	0.00
23) Nitrobenzene-d5	7.281	82	785308	53.292	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	204106	57.523	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1302004	61.739	ng	0.00
79) Terphenyl-d14	12.821	244	1107258	49.424	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.616	152	191431	5.851	ng	97
71) Phenanthrene	11.257	178	203732	6.946	ng	99
72) Anthracene	11.310	178	90391	3.011	ng	98
75) Fluoranthene	12.445	202	728992	24.765	ng	99
78) Pyrene	12.674	202	805714	24.326	ng	100
81) Benzo(a)anthracene	13.863	228	554759m	20.879	ng	
83) Chrysene	13.898	228	528096	19.880	ng	98
87) Indeno(1,2,3-cd)pyrene	16.674	276	250331	12.945	ng	# 92
88) Benzo(b)fluoranthene	14.892	252	666026m	30.793	ng	
89) Benzo(k)fluoranthene	14.915	252	160580m	7.490	ng	
90) Benzo(a)pyrene	15.239	252	415483	21.105	ng	98
91) Dibenzo(a,h)anthracene	16.680	278	67713	4.198	ng	# 93
92) Benzo(g,h,i)perylene	17.092	276	229276	14.398	ng	97

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

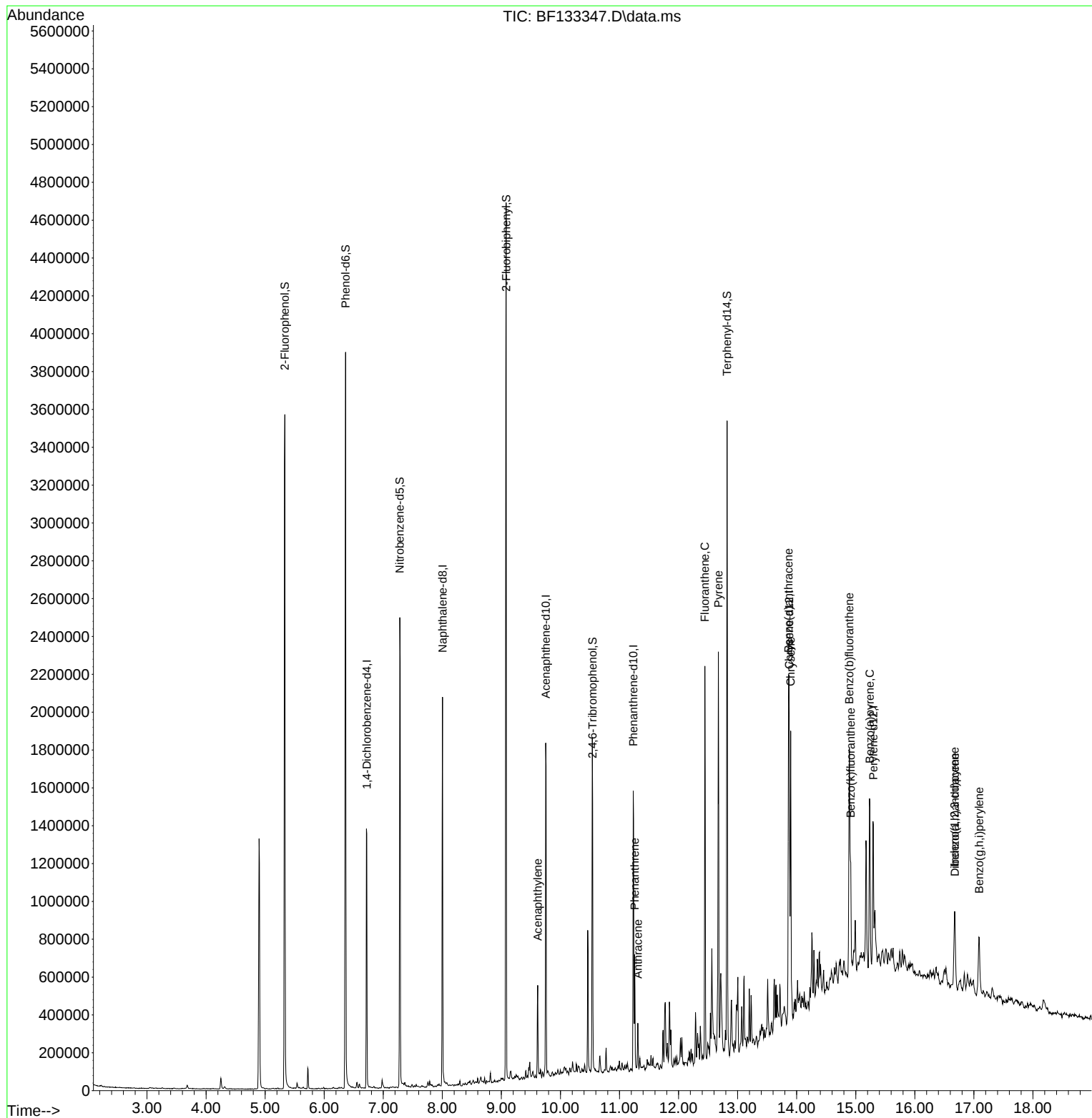
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
Data File : BF133347.D
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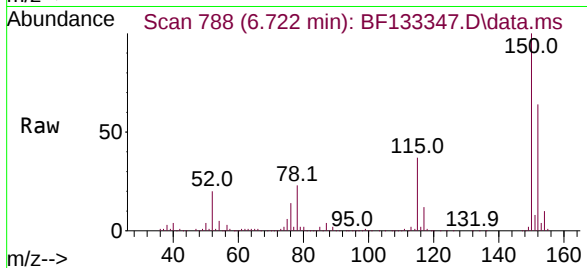
Reviewed By : Christian Giraldo 05/11/2023
Supervised By : Jagrut Upadhyay 05/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

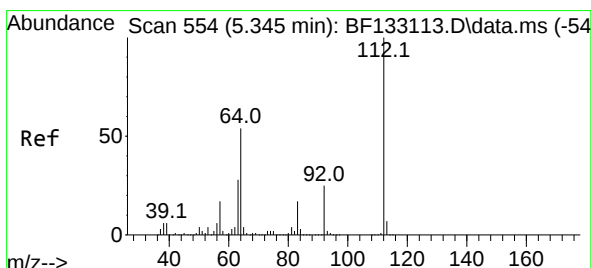
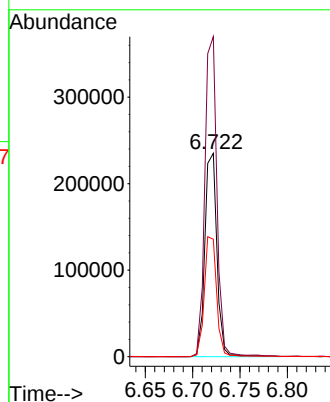
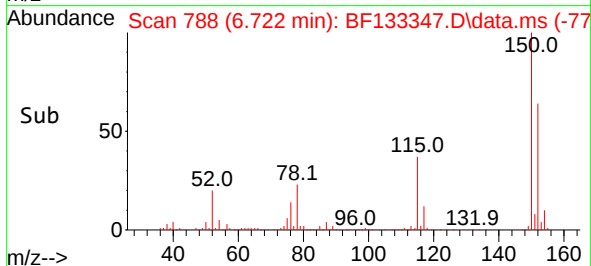
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06



Tgt Ion:152 Resp: 209078
Ion Ratio Lower Upper
152 100
150 157.4 124.8 187.2
115 57.7 49.9 74.9

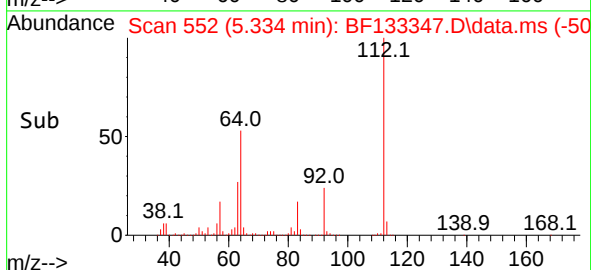
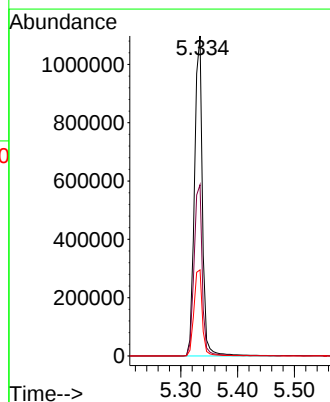
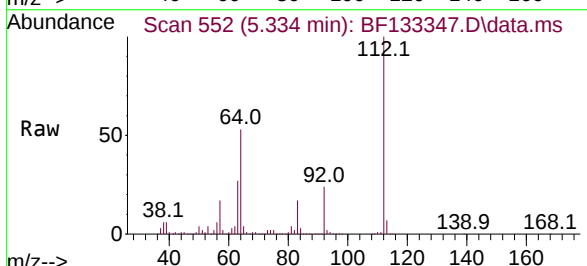
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Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#5
2-Fluorophenol
Concen: 77.257 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

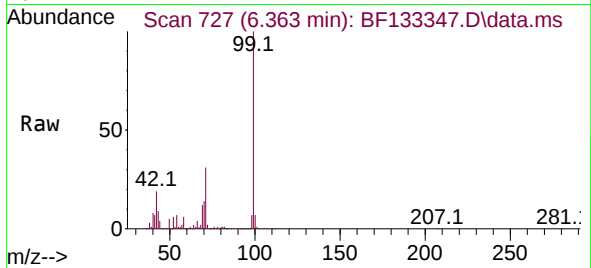
Tgt Ion:112 Resp: 1069286
Ion Ratio Lower Upper
112 100
64 53.5 46.8 70.2
63 26.9 23.8 35.8





#7
Phenol-d6
Concen: 72.668 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

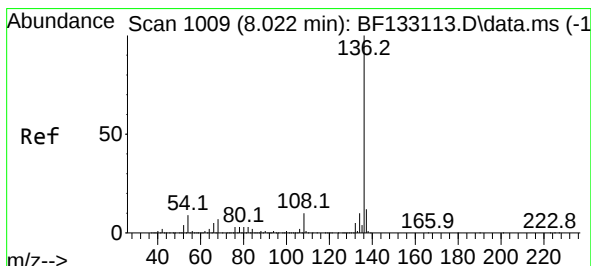
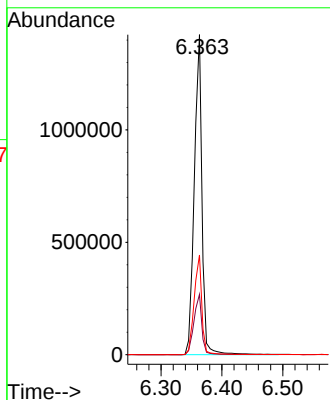
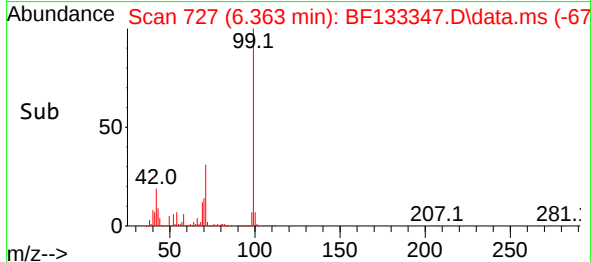
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06



Tgt Ion: 99 Resp: 124836
Ion Ratio Lower Upper
99 100
42 18.9 16.3 24.5
71 31.2 25.6 38.4

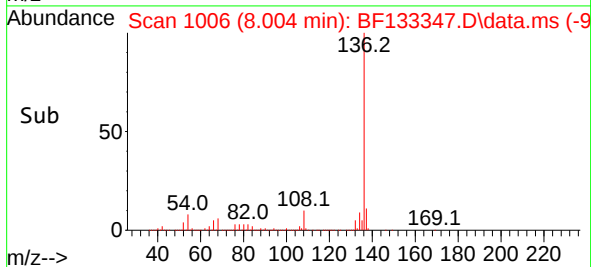
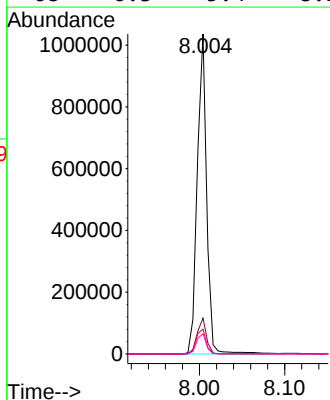
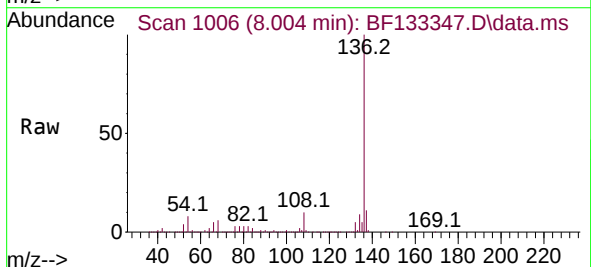
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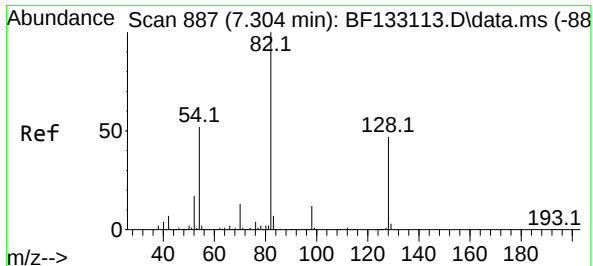
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

Tgt Ion:136 Resp: 795396
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 7.8 7.0 10.4
68 6.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 53.292 ng

RT: 7.281 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

Instrument :

BNA_F

ClientSampleId :

AU-504-COMP-06

Tgt Ion: 82 Resp: 785308

Ion Ratio Lower Upper

82 100

128 45.3 37.7 56.5

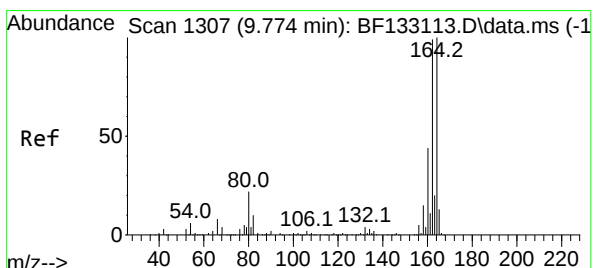
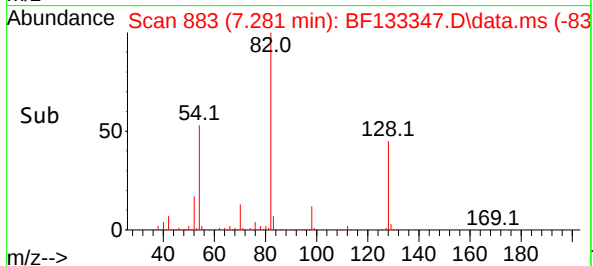
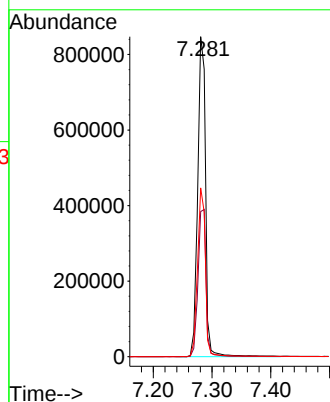
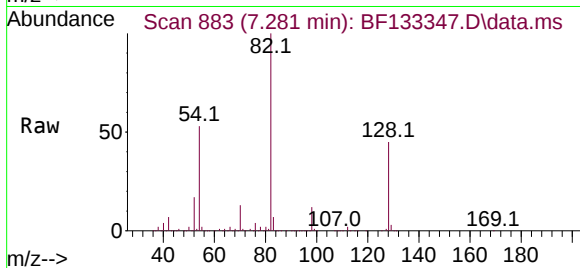
54 52.8 43.0 64.4

Manual Integrations

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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: BF133347.D

Acq: 10 May 2023 23:46

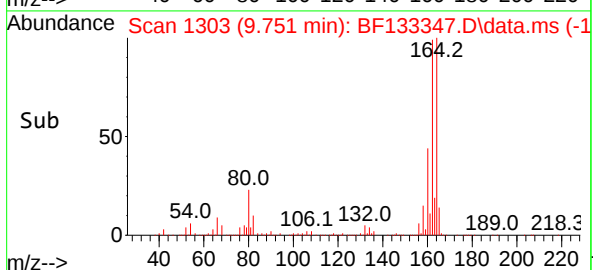
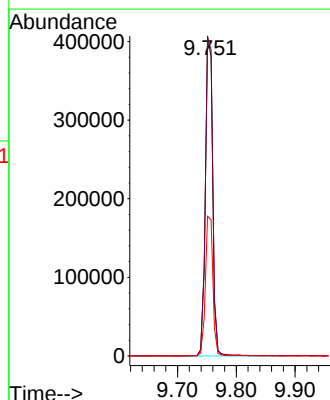
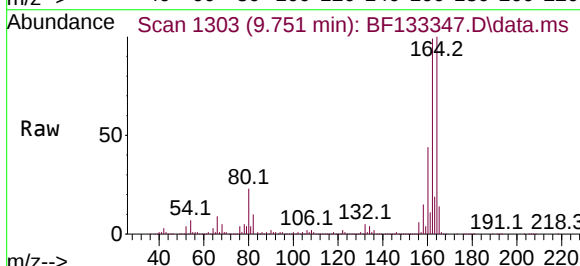
Tgt Ion:164 Resp: 352817

Ion Ratio Lower Upper

164 100

162 99.3 78.7 118.1

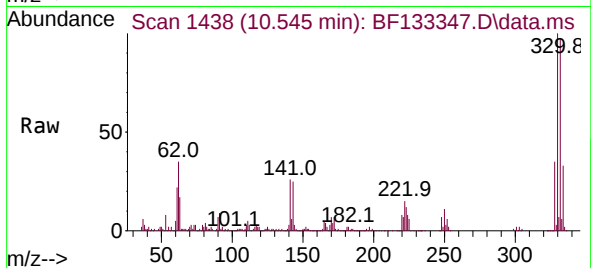
160 43.6 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 57.523 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

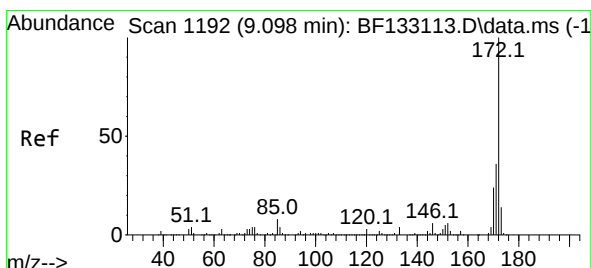
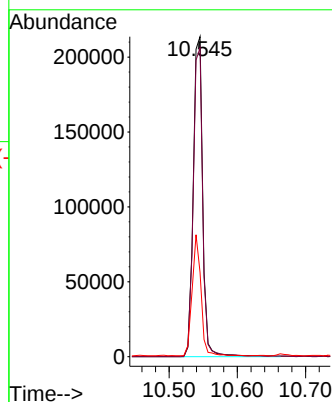
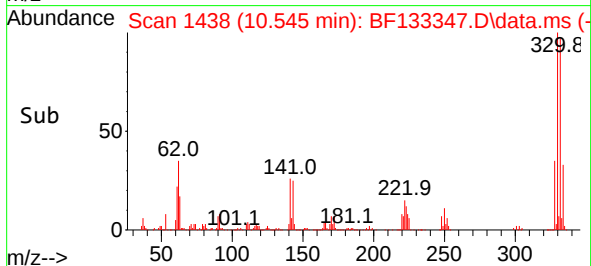
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06



Tgt Ion: 330 Resp: 204100
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 35.3 25.8 38.8

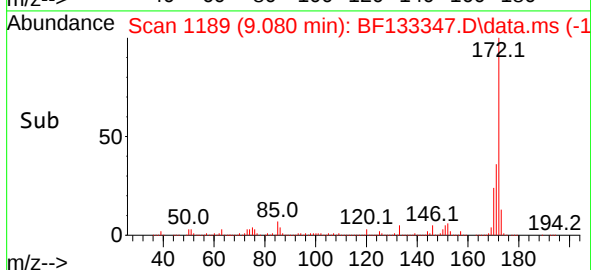
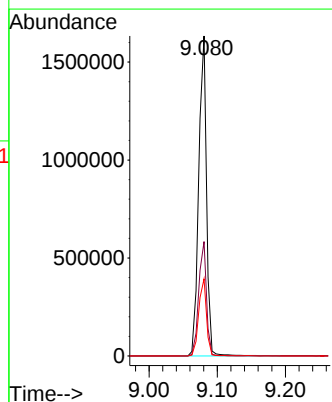
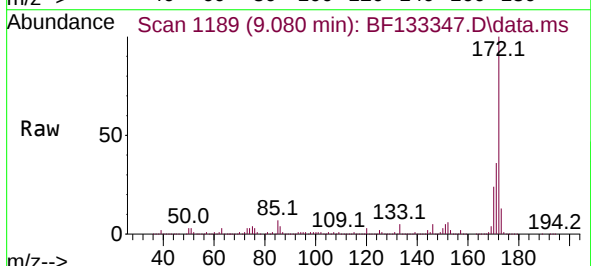
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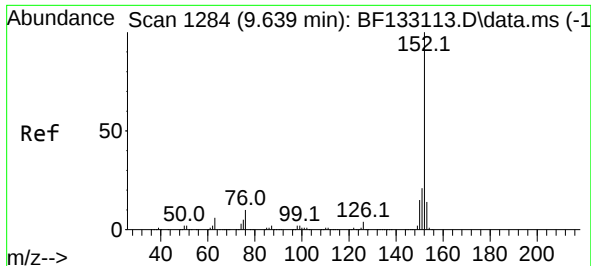
Reviewed By : Christian Giraldo 05/11/2023
Supervised By : Jagrut Upadhyay 05/11/2023



#45
2-Fluorobiphenyl
Concen: 61.739 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

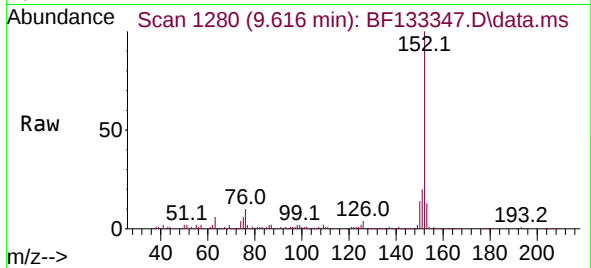
Tgt Ion: 172 Resp: 1302004
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.1 19.4 29.2





#49
Acenaphthylene
Concen: 5.851 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

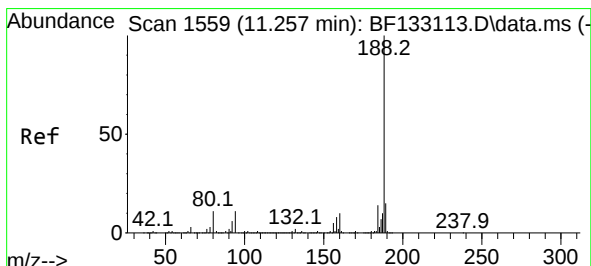
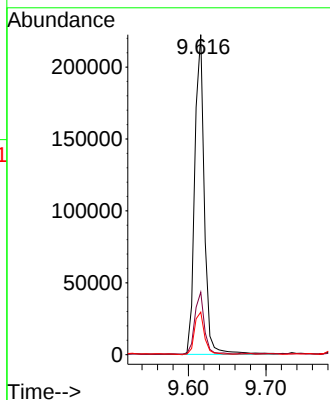
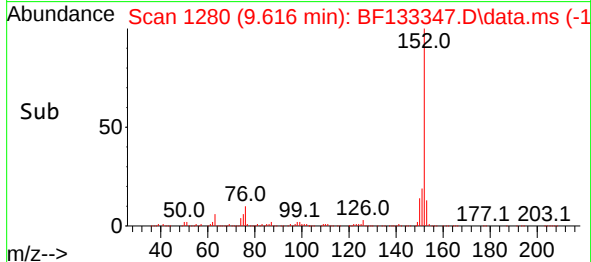
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06



Tgt Ion:152 Resp: 19143
Ion Ratio Lower Upper
152 100
151 19.5 16.6 24.8
153 13.3 11.5 17.3

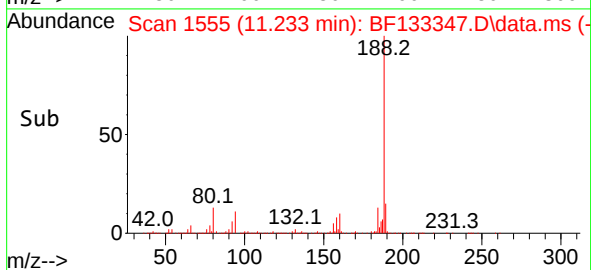
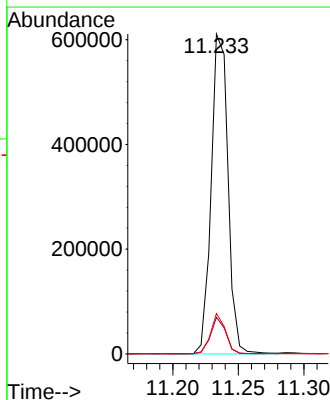
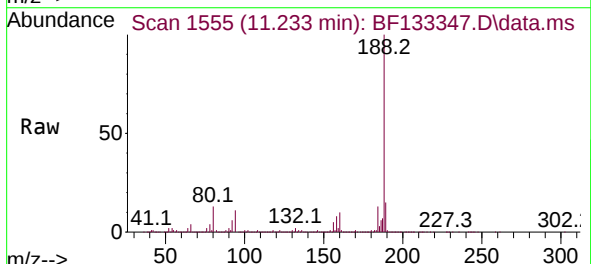
Manual Integrations
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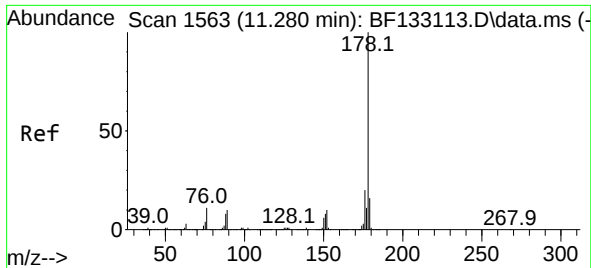
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

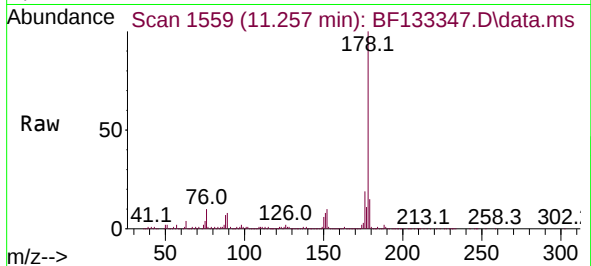
Tgt Ion:188 Resp: 545709
Ion Ratio Lower Upper
188 100
94 11.5 9.7 14.5
80 12.7 10.4 15.6





#71
Phenanthrene
Concen: 6.946 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

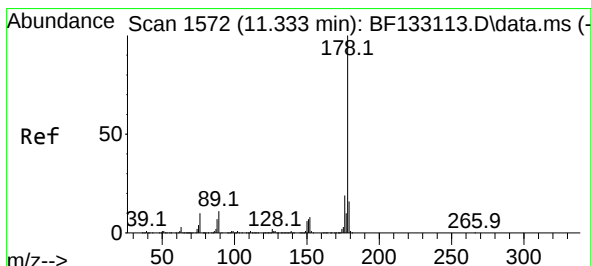
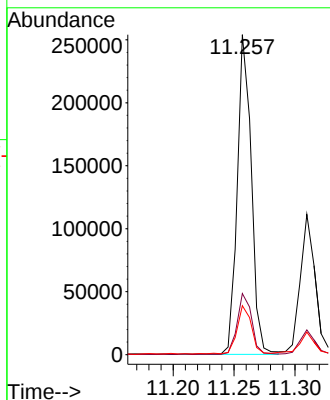
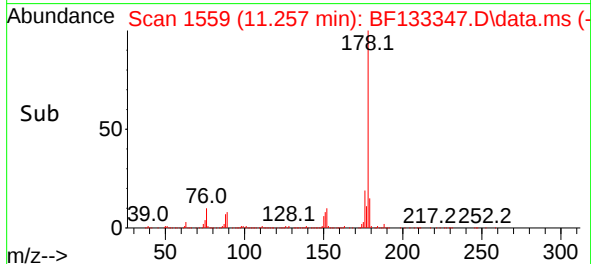
Instrument :
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AU-504-COMP-06



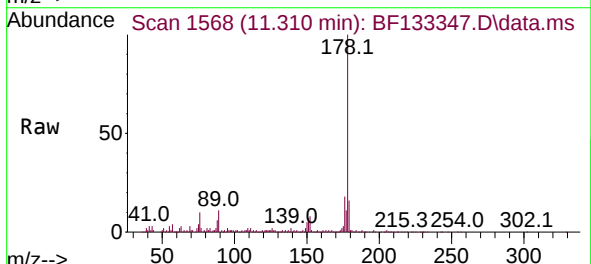
Tgt Ion:178 Resp: 203732
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.3 12.5 18.7

Manual Integrations
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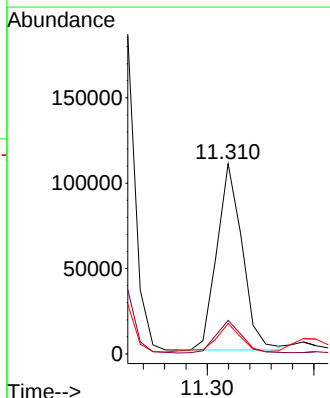
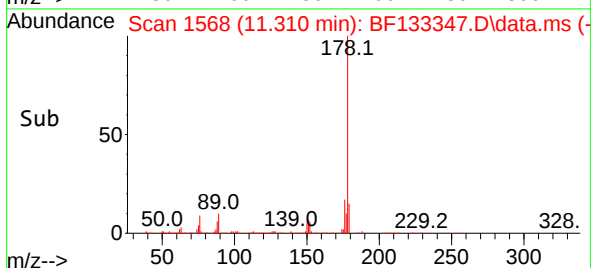
Reviewed By :Christian Giraldo 05/11/2023
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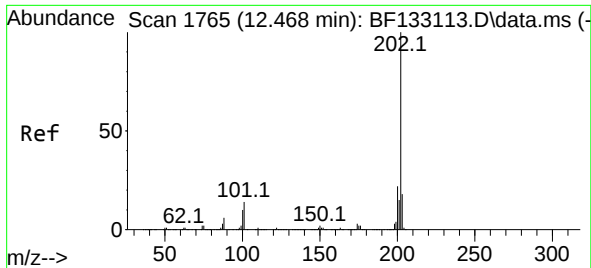


#72
Anthracene
Concen: 3.011 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46



Tgt Ion:178 Resp: 90391
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.0
179 16.1 12.4 18.6





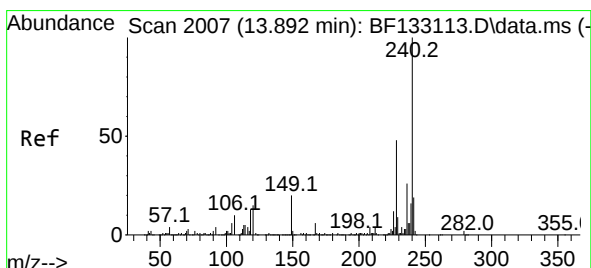
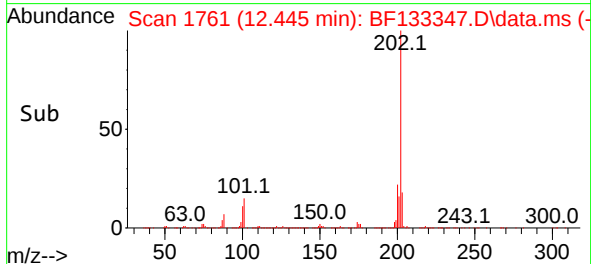
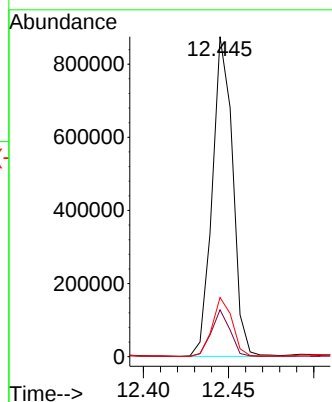
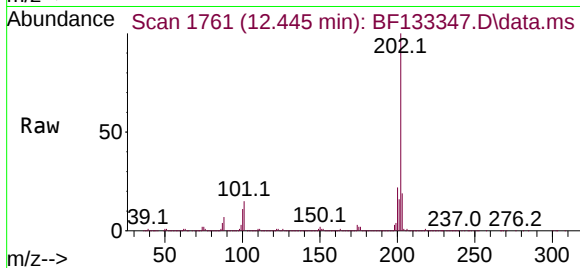
#75
Fluoranthene
Concen: 24.765 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06

Tgt Ion:202 Resp: 728992
Ion Ratio Lower Upper
202 100
101 14.7 0.0 35.3
203 18.5 0.0 38.1

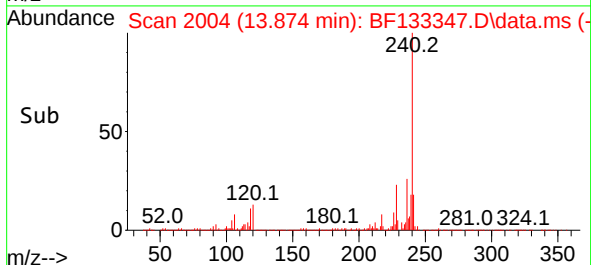
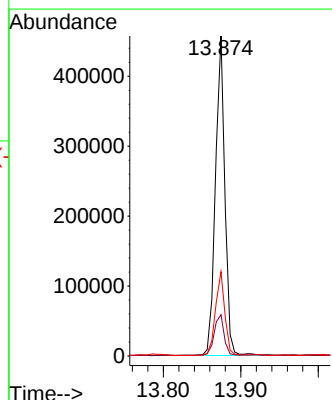
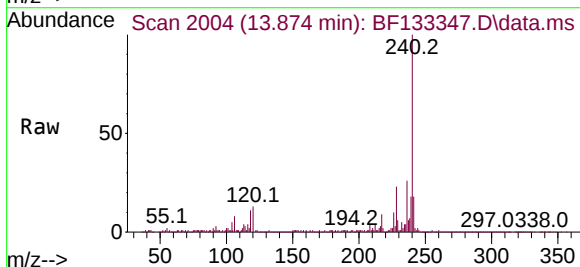
Manual Integrations
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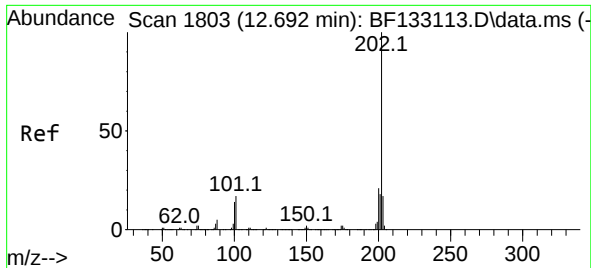
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

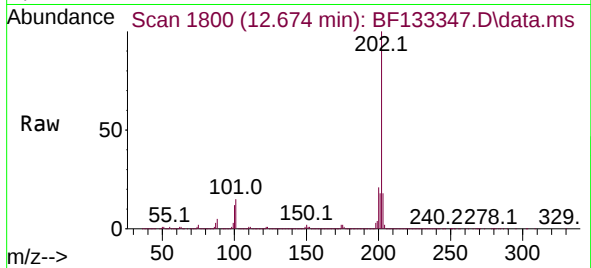
Tgt Ion:240 Resp: 386382
Ion Ratio Lower Upper
240 100
120 12.9 10.5 15.7
236 26.4 21.5 32.3





#78
Pyrene
Concen: 24.326 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

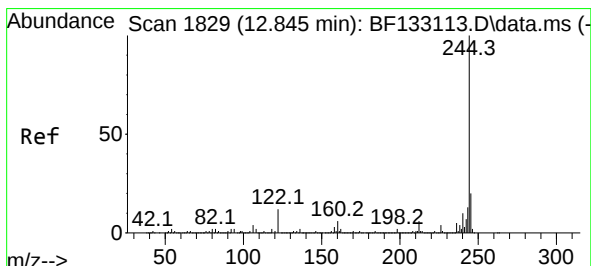
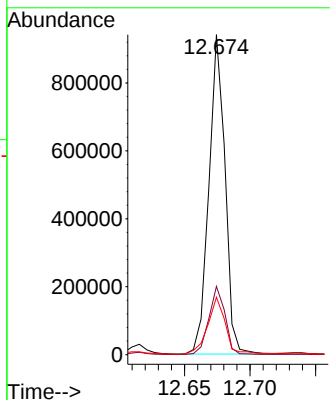
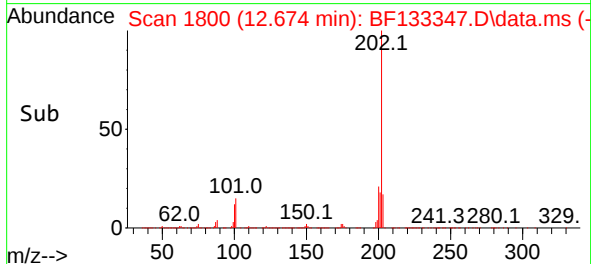
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06



Tgt Ion:202 Resp: 805714
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 18.0 14.1 21.1

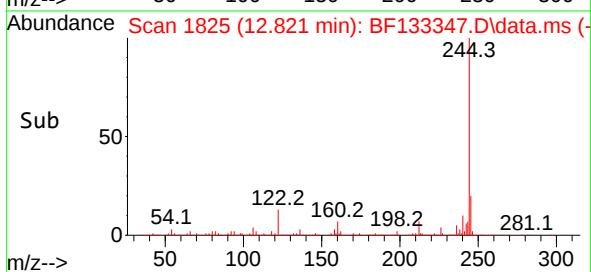
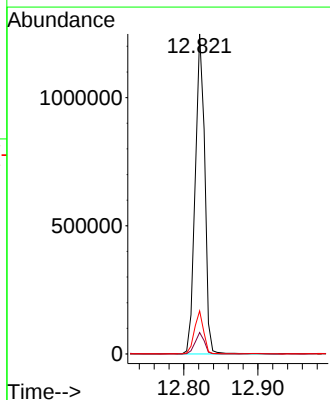
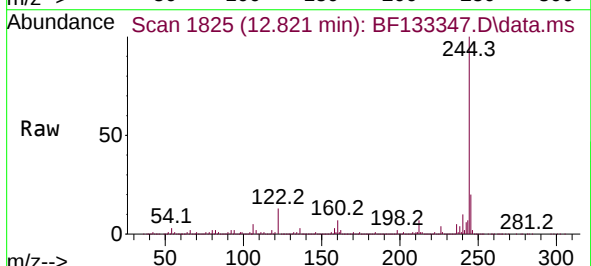
Manual Integrations
APPROVED

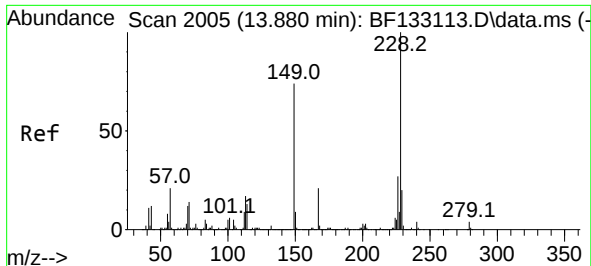
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#79
Terphenyl-d14
Concen: 49.424 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

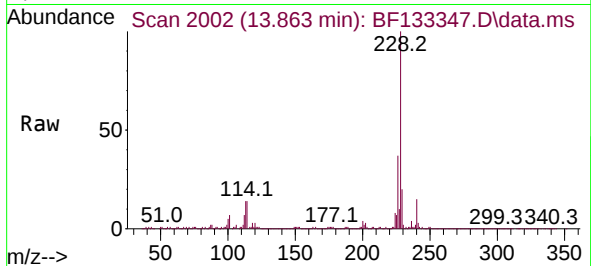
Tgt Ion:244 Resp: 1107258
Ion Ratio Lower Upper
244 100
212 6.7 5.1 7.7
122 13.5 8.6 13.0#





#81
Benzo(a)anthracene
Concen: 20.879 ng m
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

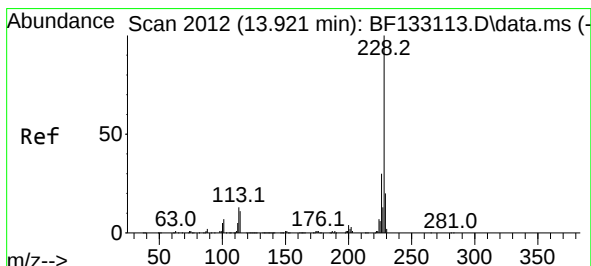
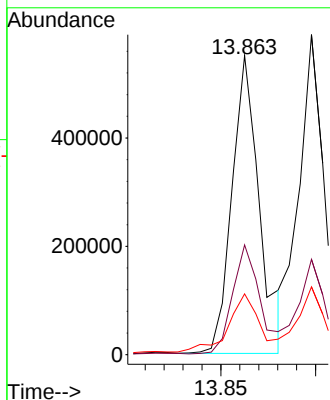
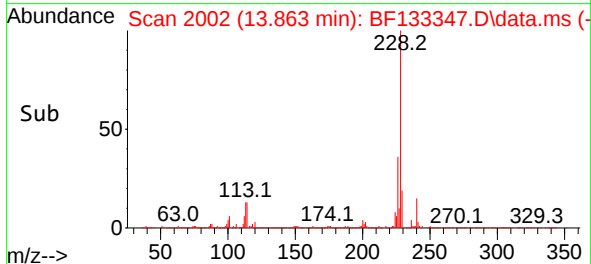
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06



Tgt Ion:228 Resp: 554759
Ion Ratio Lower Upper
228 100
226 36.7 22.2 33.4
229 20.3 16.0 24.0

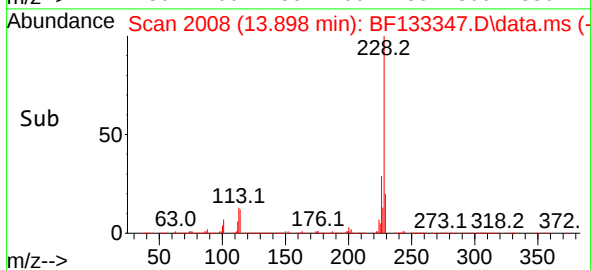
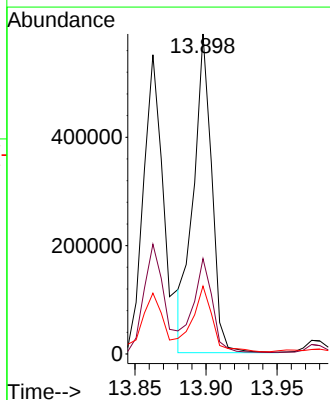
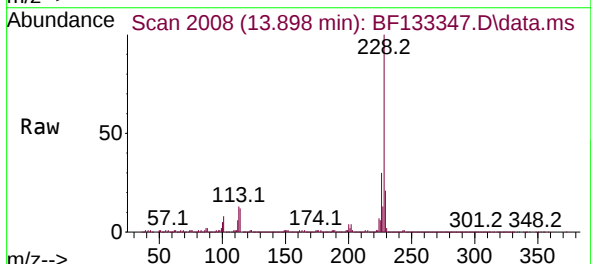
Manual Integrations
APPROVED

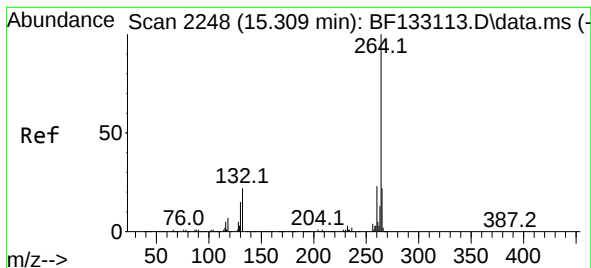
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#83
Chrysene
Concen: 19.880 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

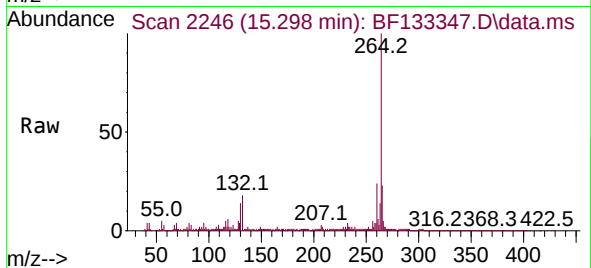
Tgt Ion:228 Resp: 528096
Ion Ratio Lower Upper
228 100
226 29.8 24.7 37.1
229 21.2 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

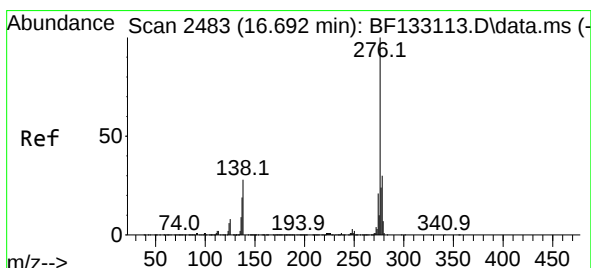
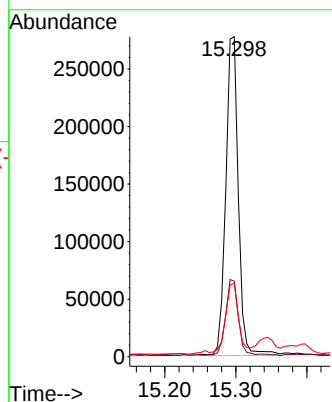
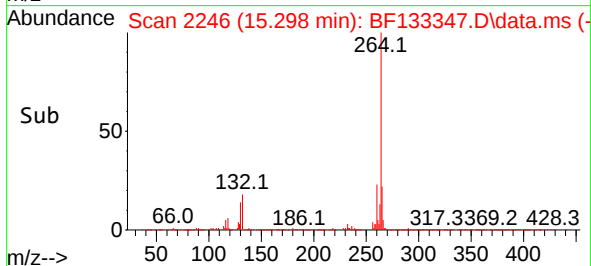
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06



Tgt Ion:264 Resp: 33997
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 23.0 17.0 25.4

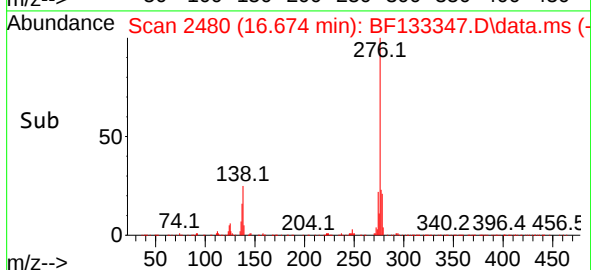
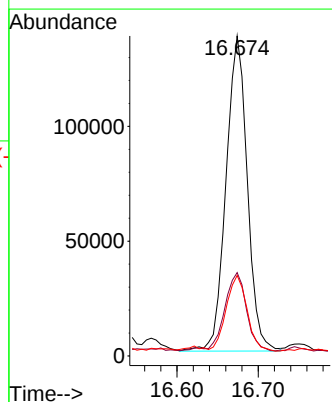
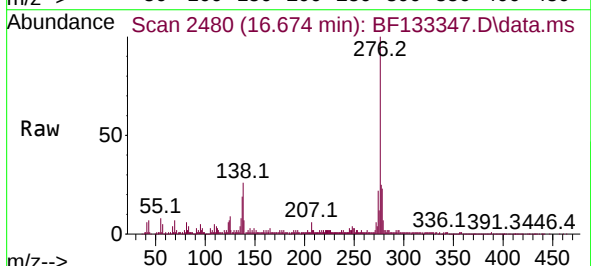
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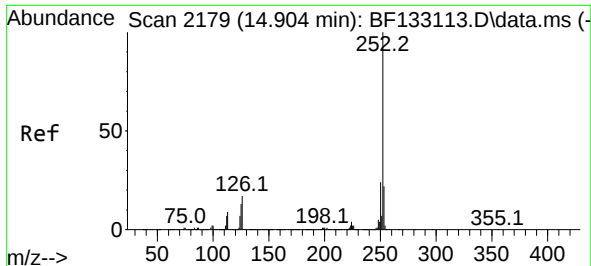
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.945 ng
RT: 16.674 min Scan# 2480
Delta R.T. 0.000 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

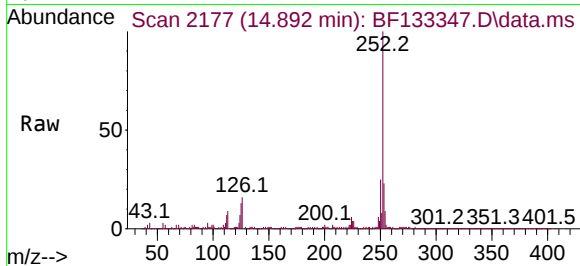
Tgt Ion:276 Resp: 250331
Ion Ratio Lower Upper
276 100
138 25.5 25.5 38.3#
277 23.5 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 30.793 ng m
RT: 14.892 min Scan# 2177
Delta R.T. 0.000 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

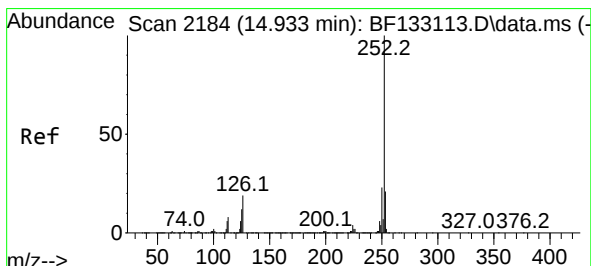
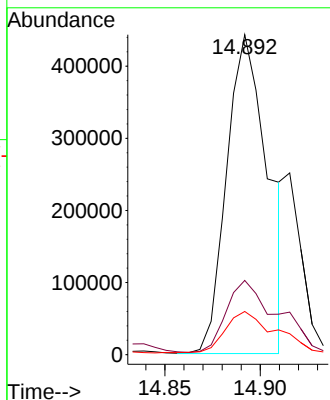
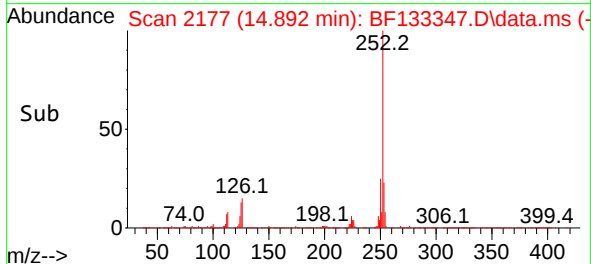
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06



Tgt Ion:252 Resp: 666020
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 13.5 8.9 13.3

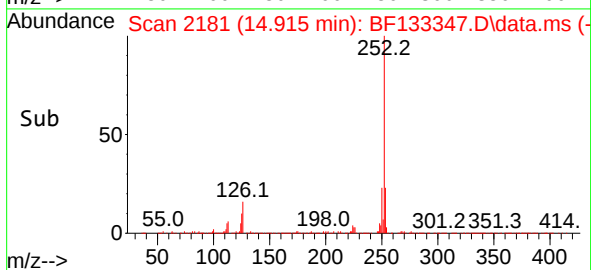
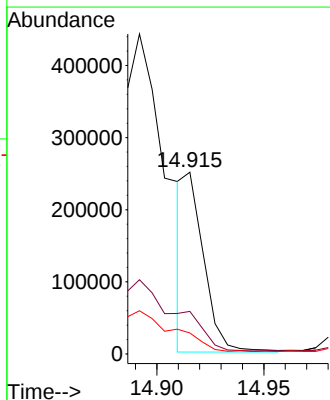
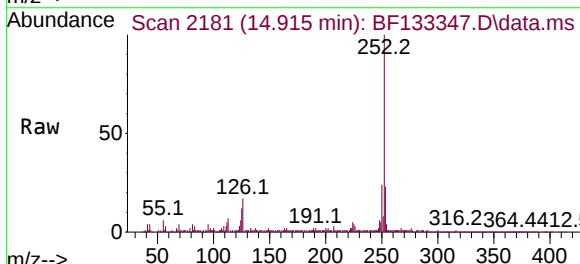
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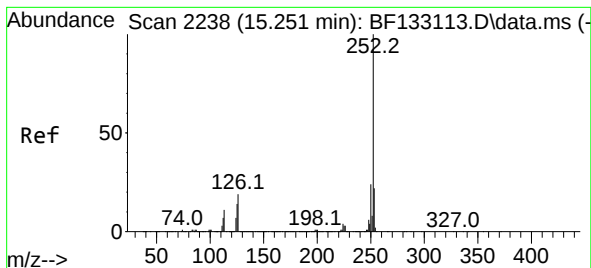
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#89
Benzo(k)fluoranthene
Concen: 7.490 ng m
RT: 14.915 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

Tgt Ion:252 Resp: 160580
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 11.6 9.0 13.4





#90

Benzo(a)pyrene

Concen: 21.105 ng

RT: 15.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

Instrument :

BNA_F

ClientSampleId :

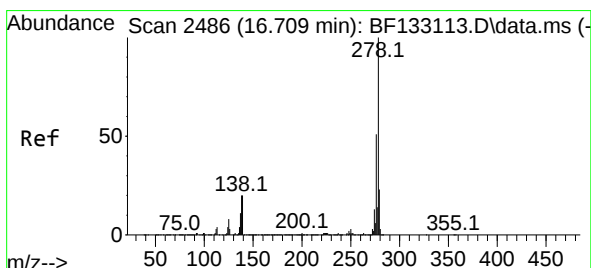
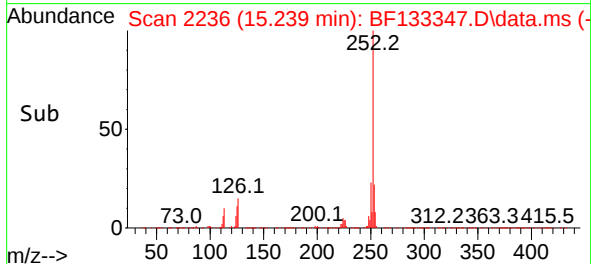
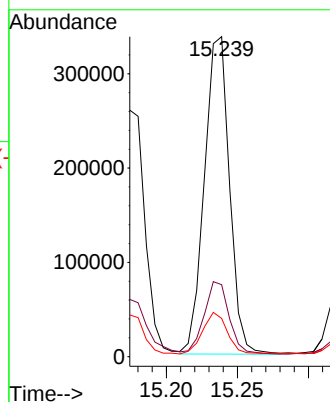
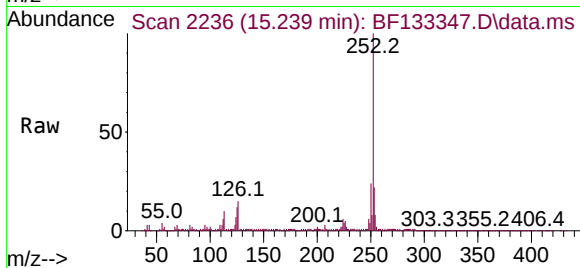
AU-504-COMP-06

Tgt Ion:252 Resp: 41548
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.7 26.5
 125 12.0 10.5 15.7

Manual Integrations

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Reviewed By :Christian Giraldo 05/11/2023
 Supervised By :Jagrut Upadhyay 05/11/2023



#91

Dibenzo(a,h)anthracene

Concen: 4.198 ng

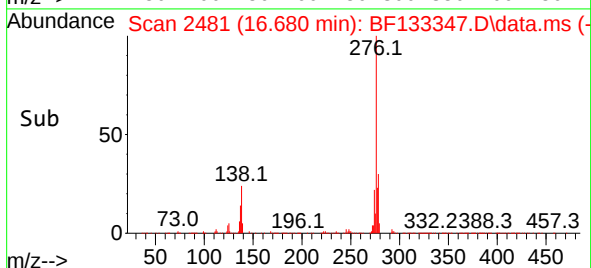
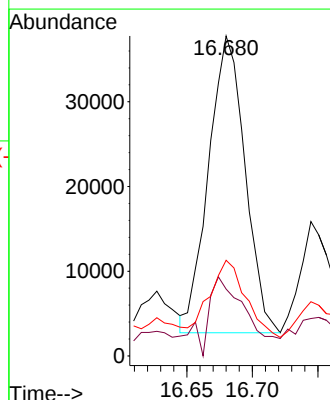
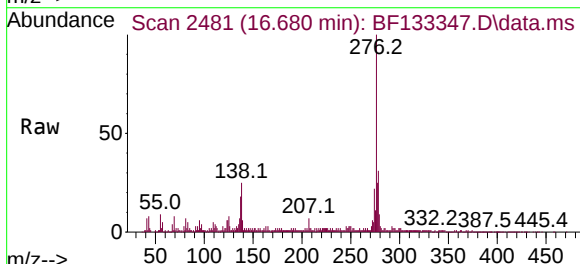
RT: 16.680 min Scan# 2481

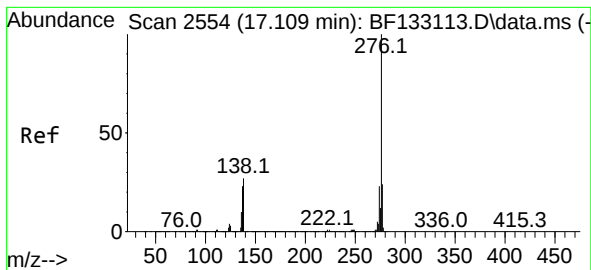
Delta R.T. -0.012 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

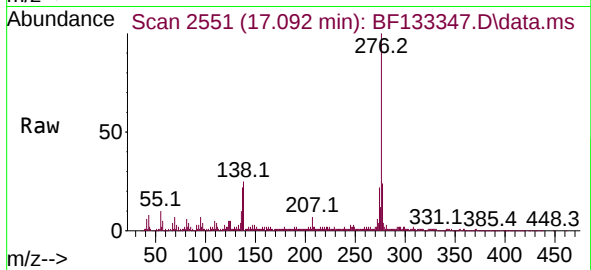
Tgt Ion:278 Resp: 67713
 Ion Ratio Lower Upper
 278 100
 139 20.9 16.6 24.8
 279 29.9 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 14.398 ng
RT: 17.092 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06



Tgt Ion:276 Resp: 229270
Ion Ratio Lower Upper
276 100
277 23.8 19.4 29.0
138 25.3 22.7 34.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023

