

Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
 Data File : BF102022.D
 Acq On : 11 Jan 2018 16:59
 Operator : SJ/JU
 Sample : J1081-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-1(0-5)

Manual Integrations
 APPROVED

Sohil
 1/12/2018 10:37:16 AM

Quant Time: Jan 11 17:36:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	189669	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	723630	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	280269	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	398186	20.00	ng	0.00
75) Chrysene-d12	13.88	240	301967	20.00	ng	0.00
86) Perylene-d12	15.30	264	345257	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1090406	81.18	ng	0.00
7) Phenol-d6	6.36	99	1395032	87.05	ng	0.00
23) Nitrobenzene-d5	7.29	82	889832	72.26	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	173853	71.08	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1278599	71.27	ng	0.00
78) Terphenyl-d14	12.83	244	795756	54.71	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	77942	4.304	ng	98
48) Acenaphthylene	9.62	152	386546	12.679	ng	100
49) Dimethylphthalate	9.48	163	209564	9.321	ng	99
54) Dibenzofuran	9.96	168	112251	4.420	ng	96
57) Fluorene	10.30	166	84695	4.824	ng	100
70) Phenanthrene	11.27	178	1452306	62.440	ng	99
71) Anthracene	11.32	178	303660	12.873	ng	98
72) Carbazole	11.47	167	213805	9.221	ng	100
74) Fluoranthene	12.46	202	1733734	75.761	ng	99
77) Pyrene	12.69	202	1445206	54.144	ng	100
80) Benzo(a)anthracene	13.87	228	834228m	43.300	ng	
82) Chrysene	13.90	228	820352	40.835	ng	98
85) Indeno(1,2,3-cd)pyrene	16.69	276	553357	37.845	ng	99
87) Benzo(b)fluoranthene	14.90	252	1165261m	51.762	ng	
88) Benzo(k)fluoranthene	14.92	252	413217m	19.028	ng	
89) Benzo(a)pyrene	15.24	252	744786	36.766	ng	# 94
90) Dibenzo(a,h)anthracene	16.70	278	145008	8.970	ng	# 88
91) Benzo(g,h,i)perylene	17.11	276	527226	32.376	ng	95

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

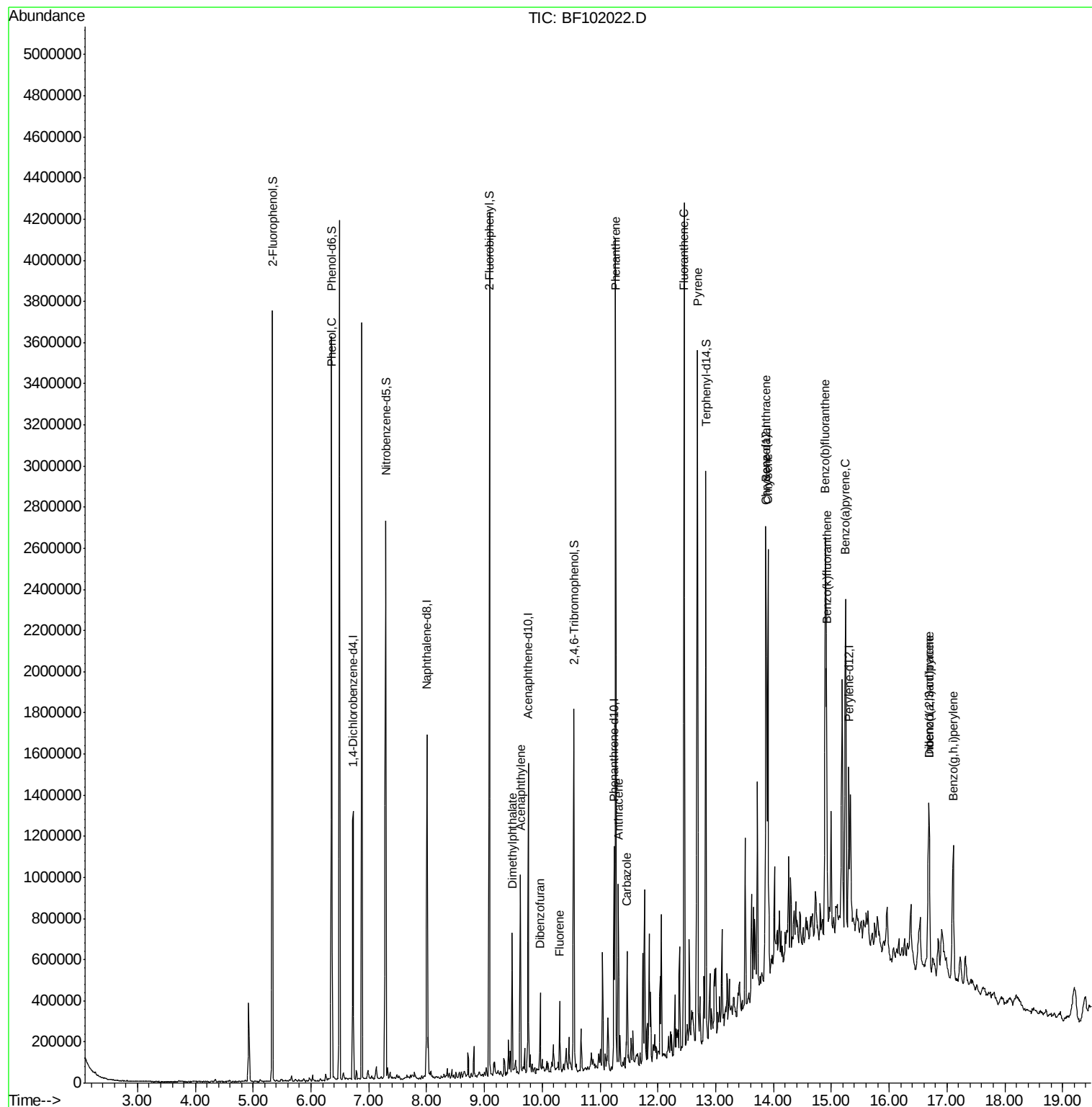
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#1

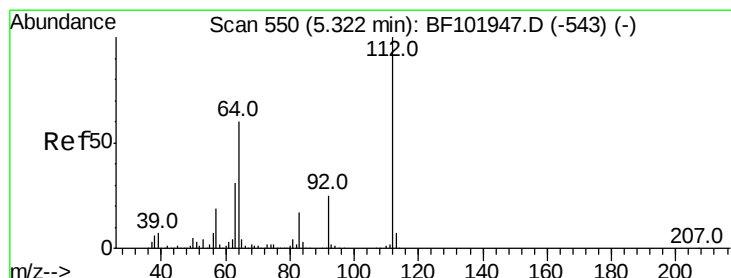
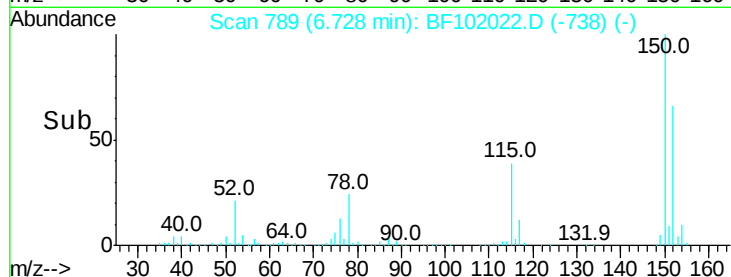
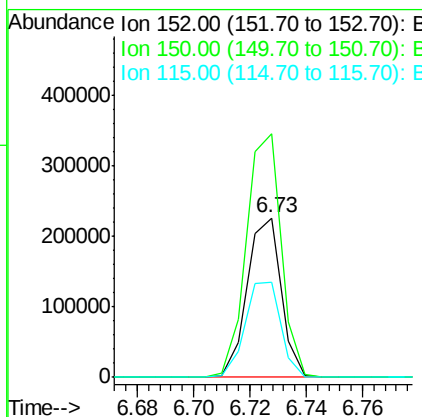
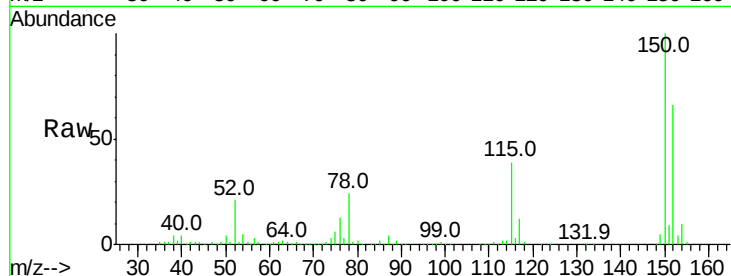
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Instrument :
BNA_F
ClientSampleId :
EPE-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	124.6	186.8
115	59.7	50.1	75.1

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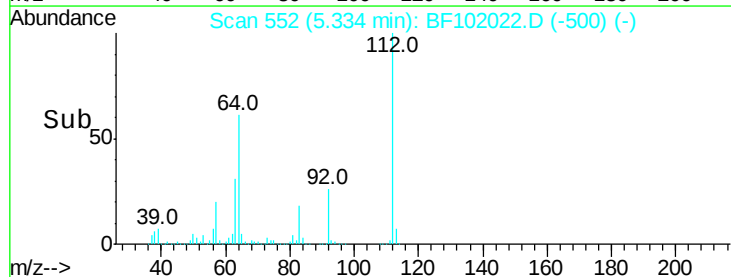
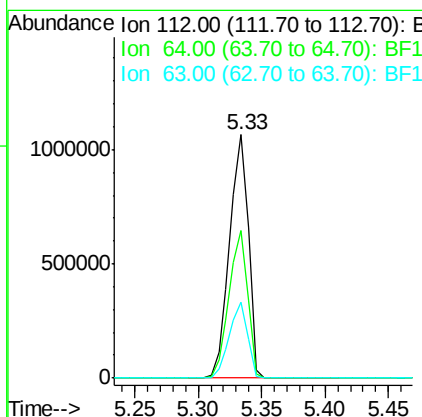
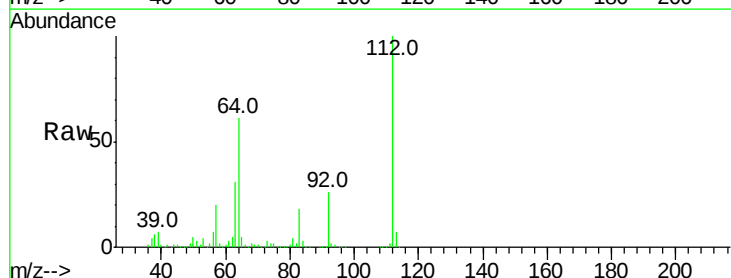
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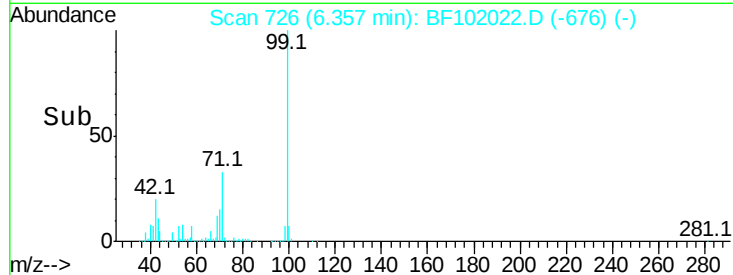
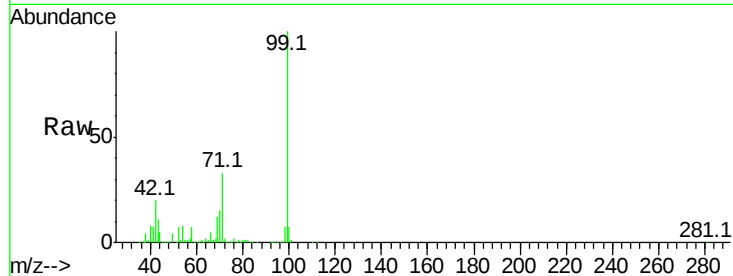


#5

2-Fluorophenol
Concen: 81.181 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.9	71.9
63	31.3	23.7	35.5





#7

Phenol-d6

Concen: 87.050 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102022.D

Acq: 11 Jan 2018 16:59

Tot Ion: 99 Resp: 1395032

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

71 33.5 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

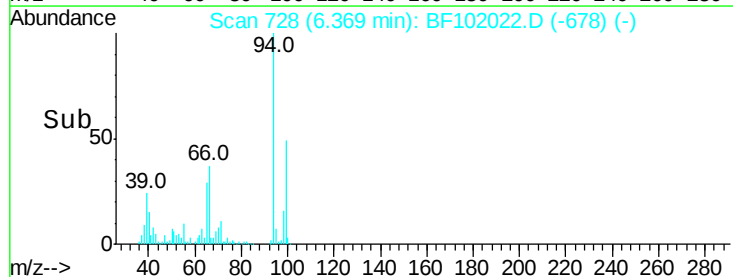
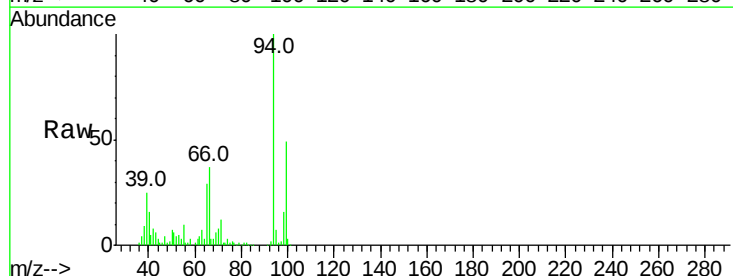
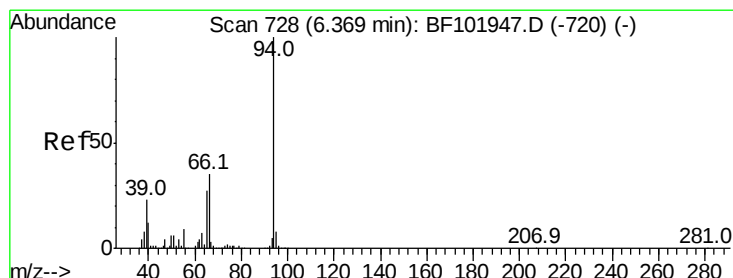
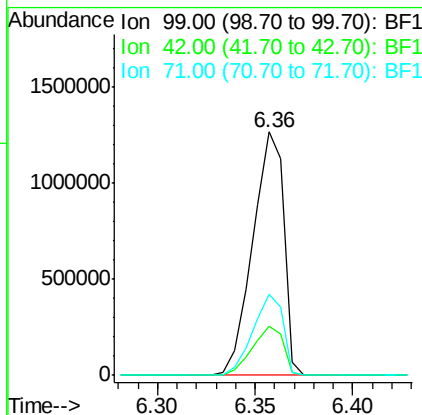
EPE-106-1(0-5)

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#10

Phenol

Concen: 4.304 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102022.D

Acq: 11 Jan 2018 16:59

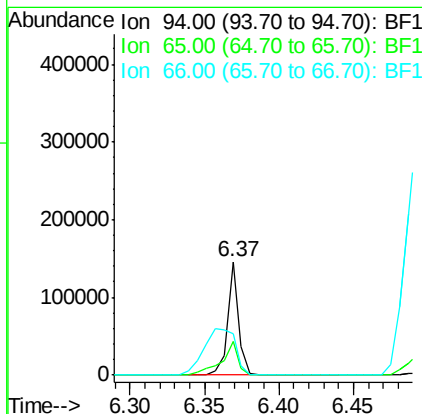
Tgt Ion: 94 Resp: 77942

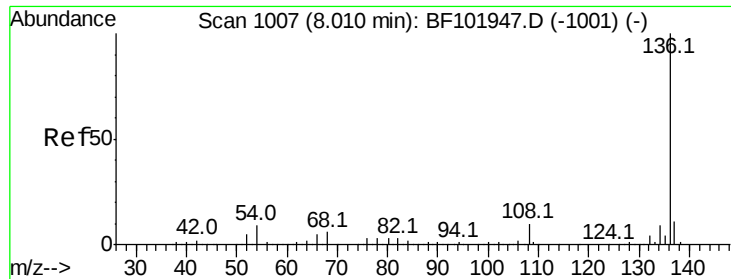
Ion Ratio Lower Upper

94 100

65 29.2 7.9 47.9

66 36.7 16.2 56.2





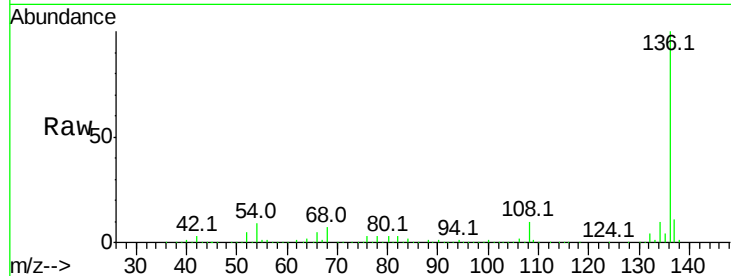
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Instrument :
BNA_F
ClientSampleId :
EPE-106-1(0-5)

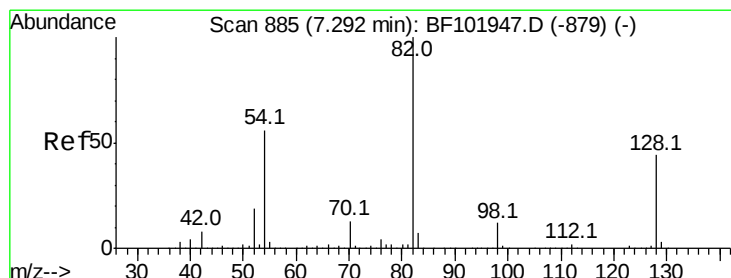
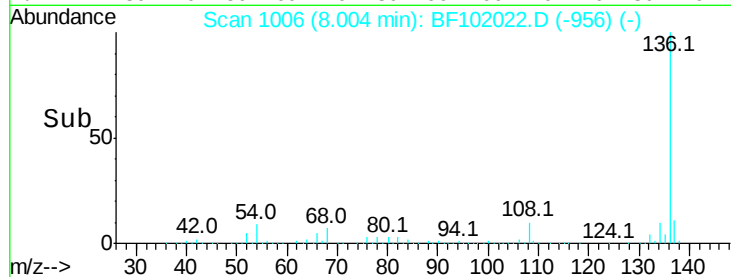
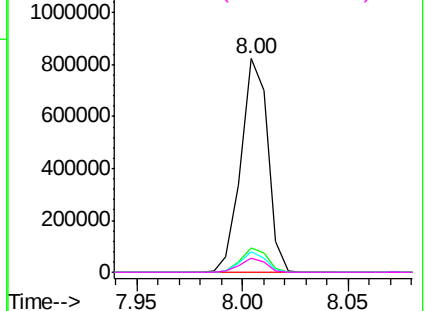
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	9.5	6.6	9.8	
68	6.7	5.0	7.4	

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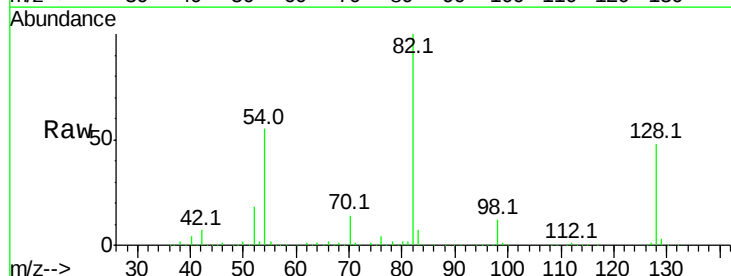


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

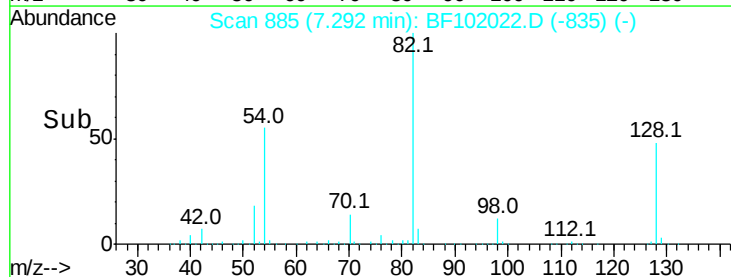
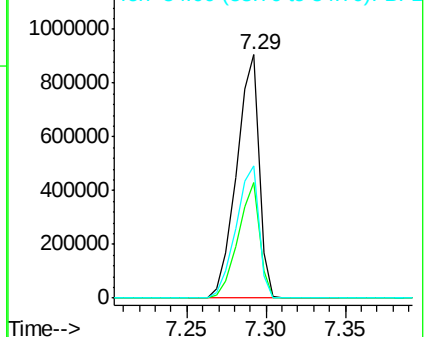


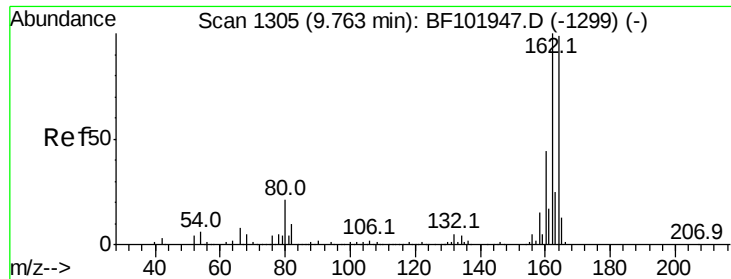
#23
Nitrobenzene-d5
Concen: 72.261 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.6	36.1	54.1	
54	54.5	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





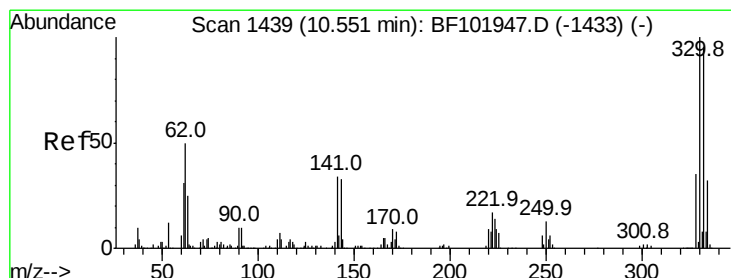
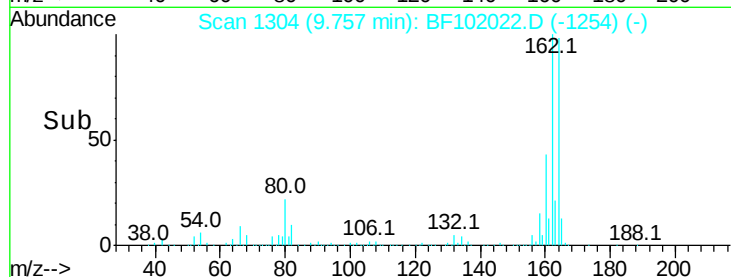
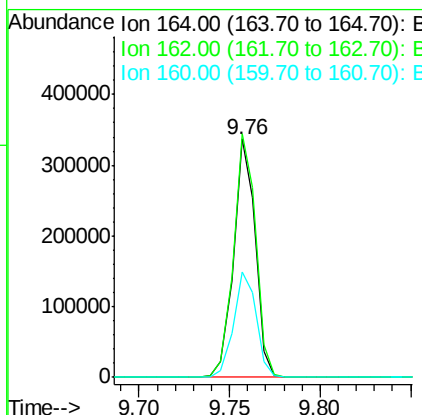
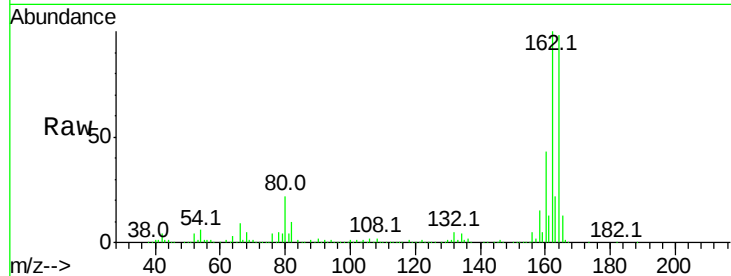
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF102022.D
 Acq: 11 Jan 2018 16:59

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	280269		
162	102.2		86.1	129.1
160	44.3		38.3	57.5

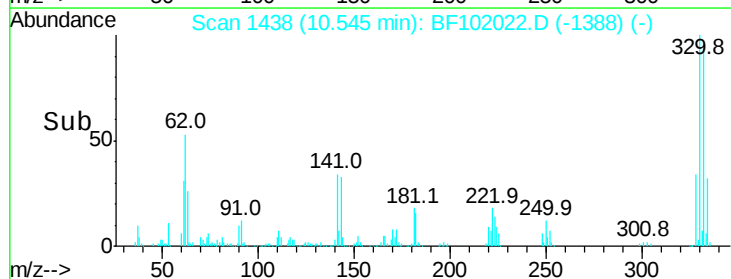
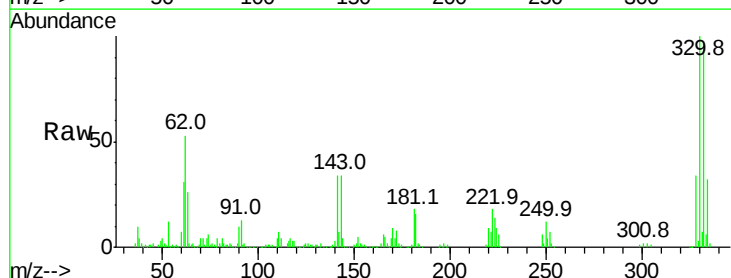
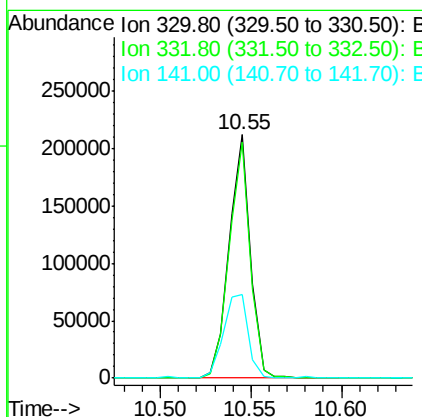
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#41
 2,4,6-Tribromophenol
 Concen: 71.080 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102022.D
 Acq: 11 Jan 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	173853		
332	96.8		77.0	115.6
141	39.0		29.9	44.9





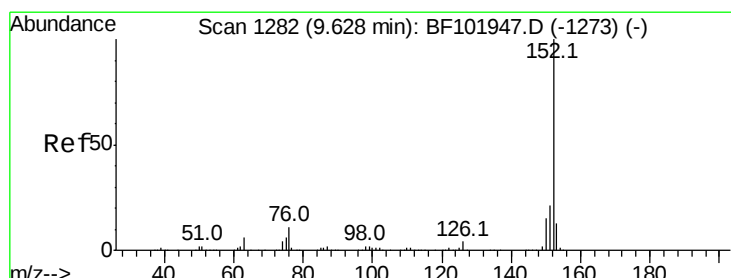
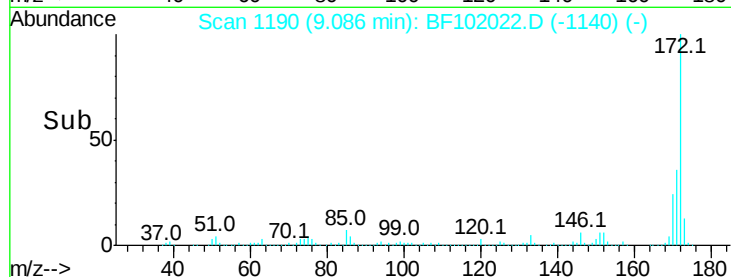
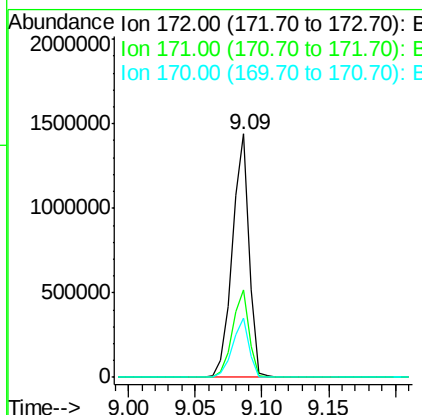
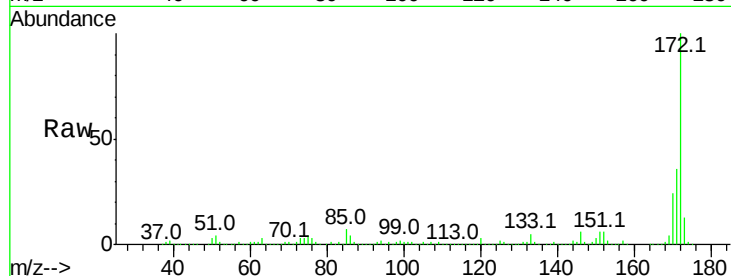
#44
2-Fluorobiphenyl
Concen: 71.271 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Instrument :
BNA_F
ClientSampleId :
EPE-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.1	19.6	29.4

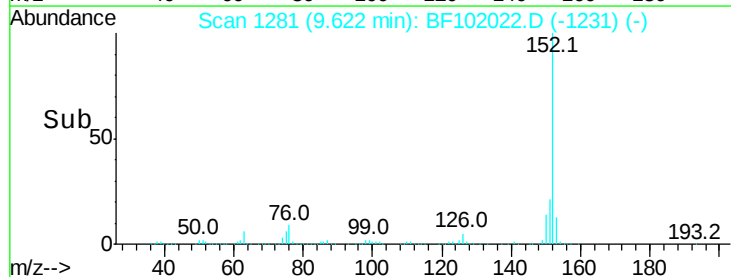
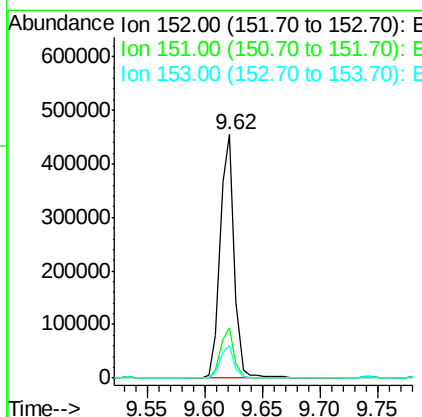
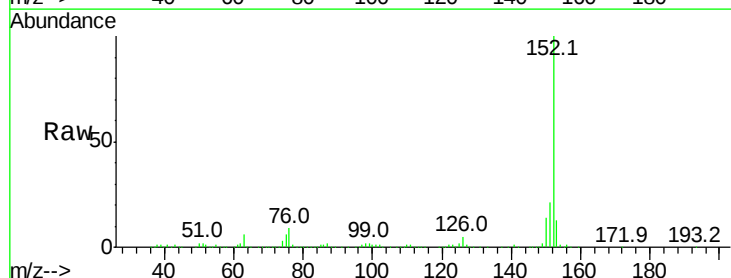
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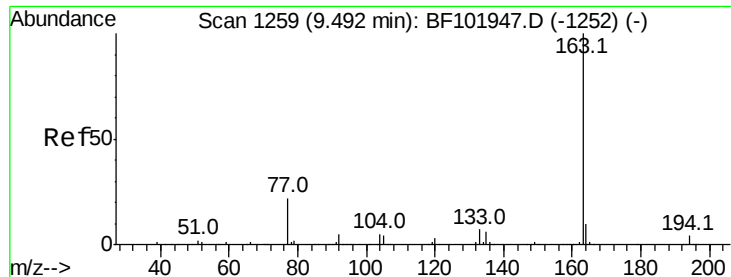
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#48
Acenaphthylene
Concen: 12.679 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	13.3	10.7	16.1





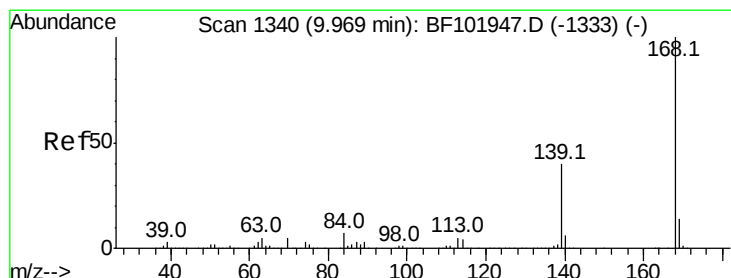
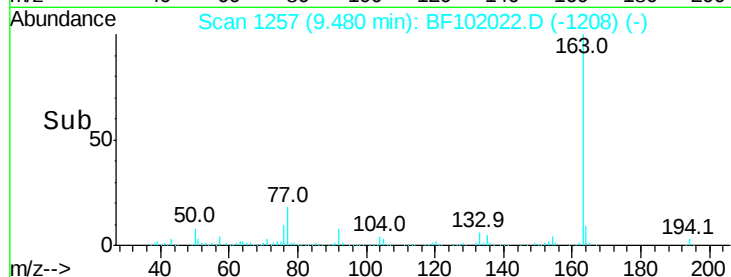
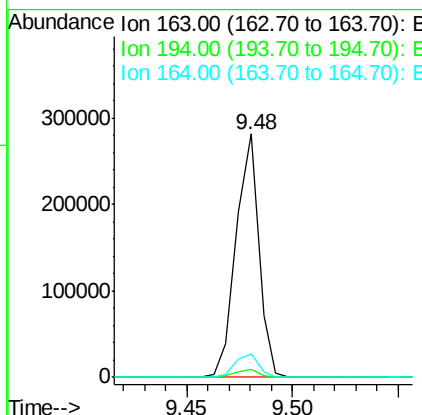
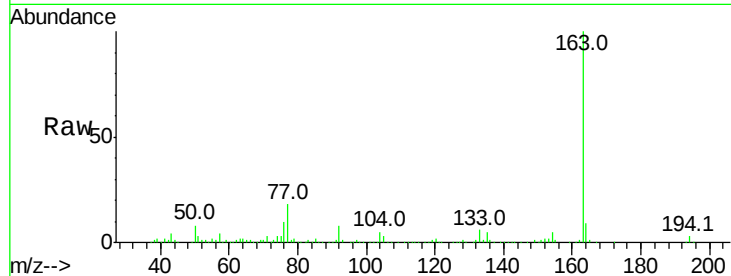
#49
Dimethylphthalate
Concen: 9.321 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

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EPE-106-1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	209564		
194	3.4	2.7	4.1	
164	9.5	8.2	12.2	

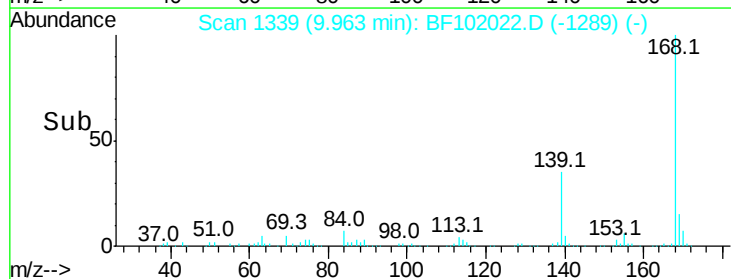
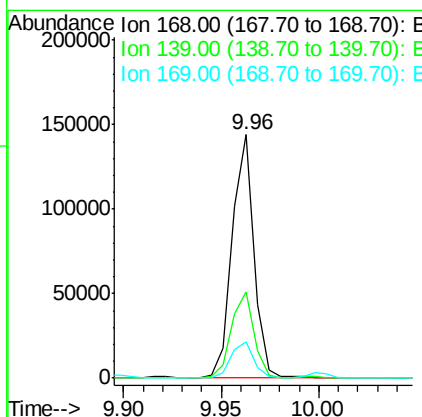
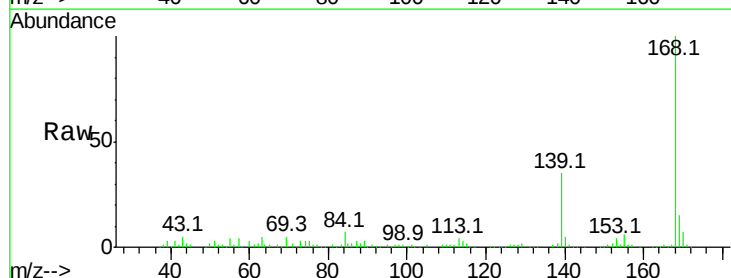
Manual Integrations
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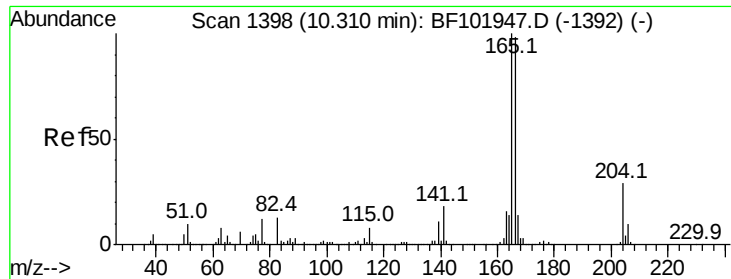
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#54
Dibenzofuran
Concen: 4.420 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	112251		
139	35.3	30.1	45.1	
169	14.8	10.9	16.3	





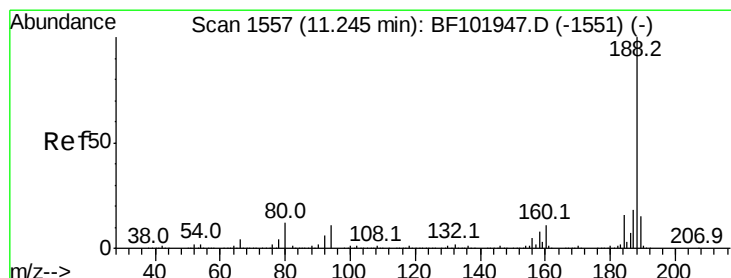
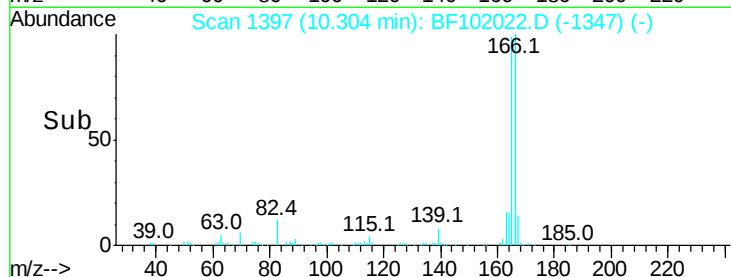
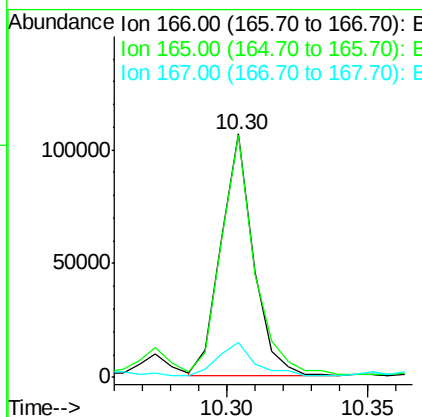
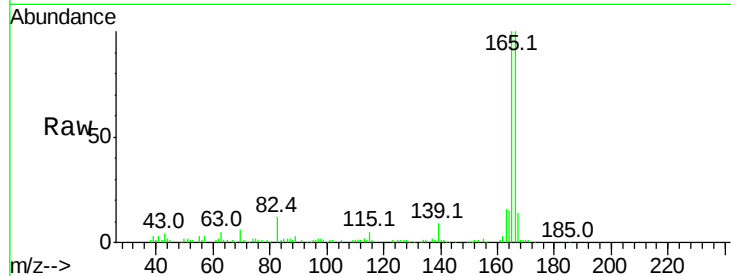
#57
Fluorene
 Concen: 4.824 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF102022.D
 Acq: 11 Jan 2018 16:59

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.8	119.8
167	14.2	10.6	16.0

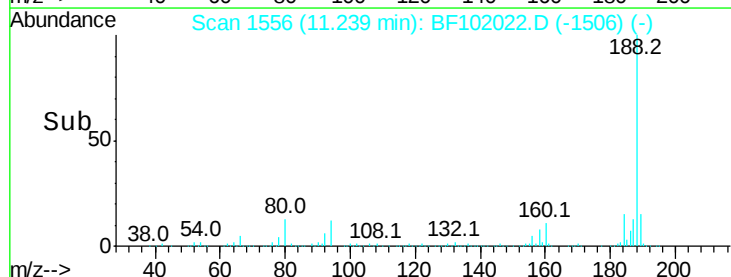
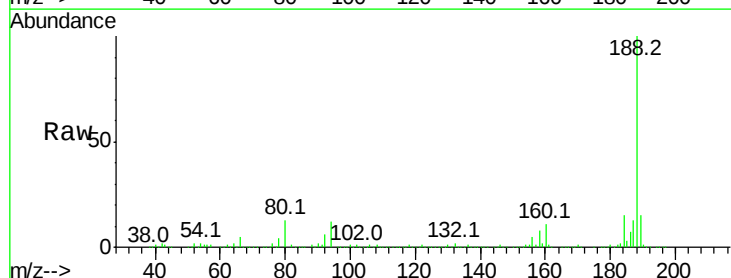
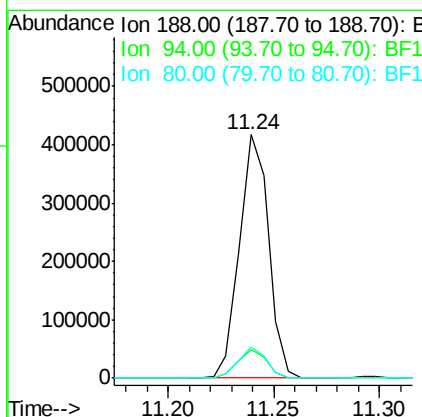
Manual Integrations
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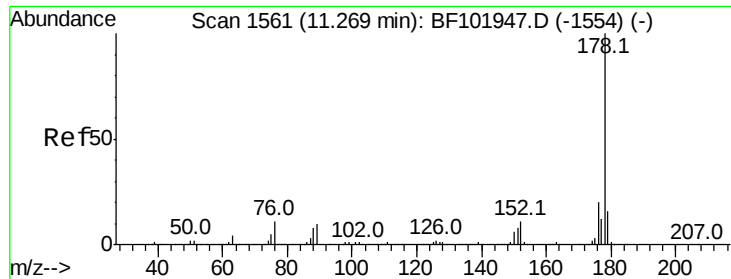
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF102022.D
 Acq: 11 Jan 2018 16:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	13.0	9.2	13.8





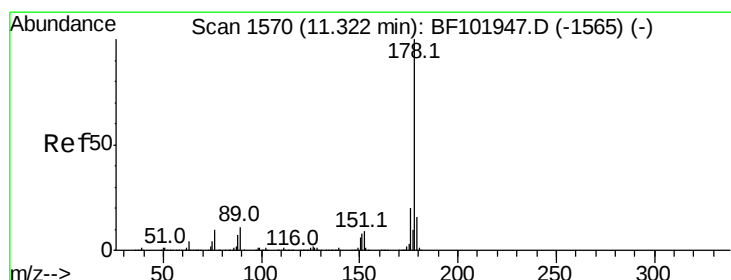
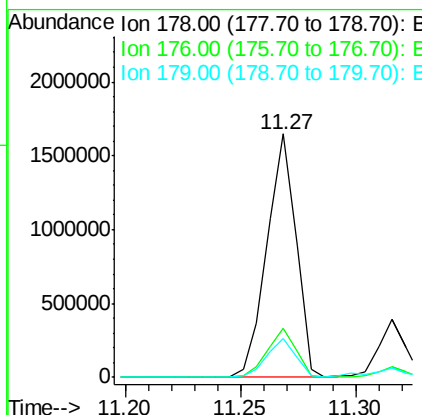
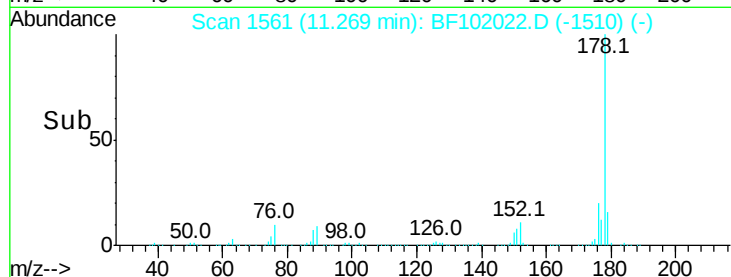
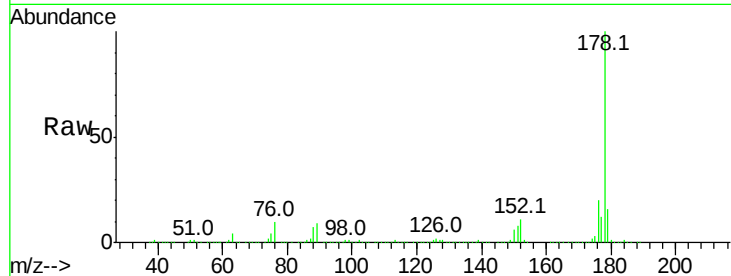
#70
Phenanthrene
Concen: 62.440 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Instrument :
BNA_F
ClientSampleId :
EPE-106-1(0-5)

Tot Ion:178 Resp: 1452306
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 16.1 13.0 19.6

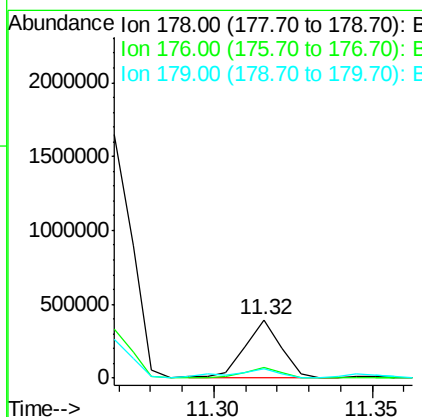
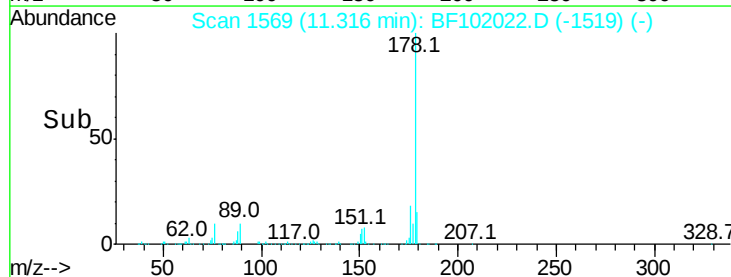
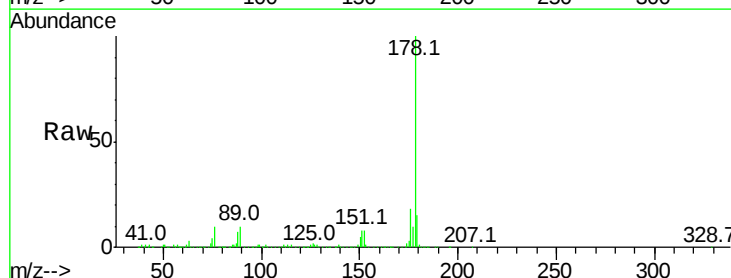
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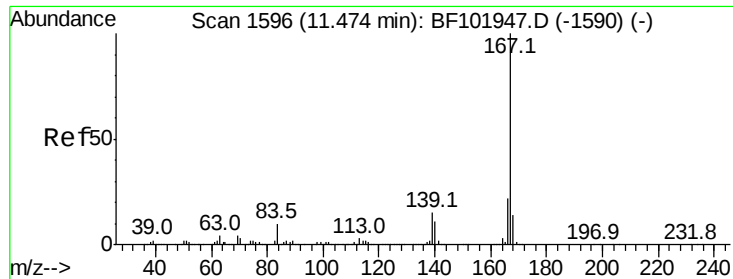
Sohil
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#71
Anthracene
Concen: 12.873 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Tgt Ion:178 Resp: 303660
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 15.0 12.6 19.0





#72

Carbazole

Concen: 9.221 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF102022.D

Acq: 11 Jan 2018 16:59

Instrument :

BNA_F

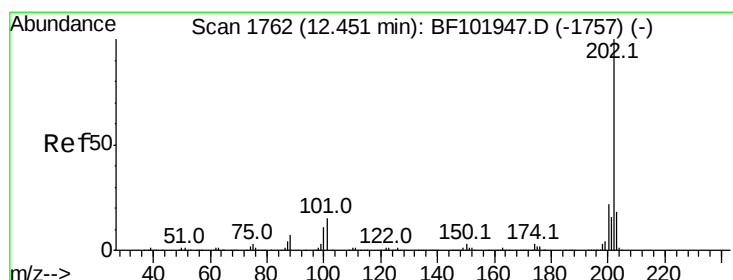
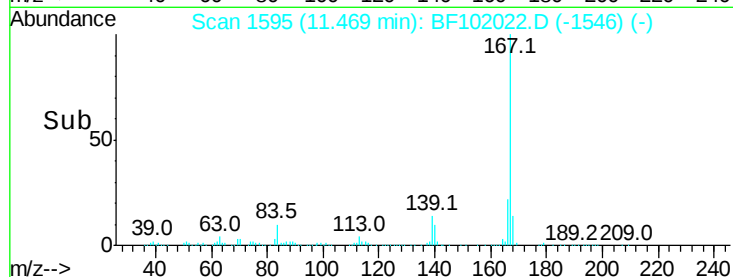
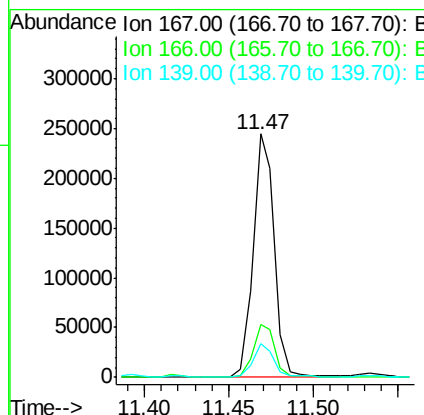
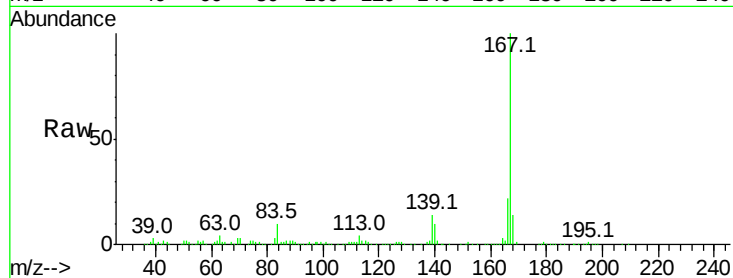
ClientSampleId :

EPE-106-1(0-5)

Tot Ion:	167	Resp:	213805
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.6	26.4
139	13.7	10.9	16.3

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#74

Fluoranthene

Concen: 75.761 ng

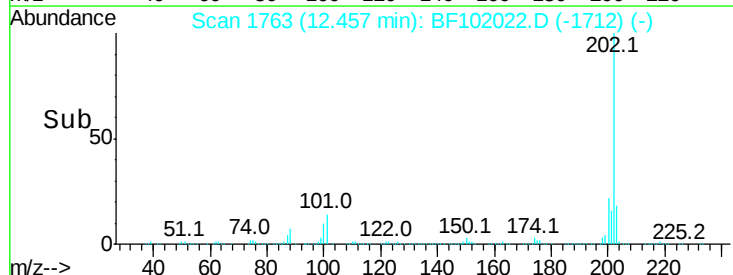
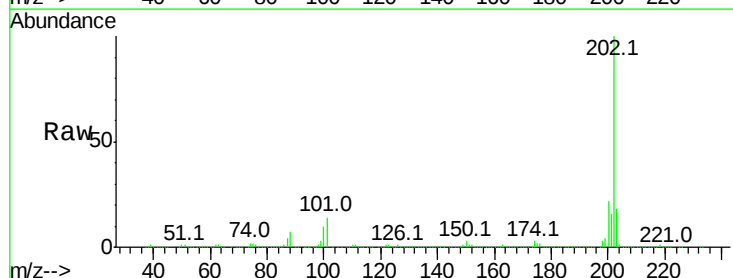
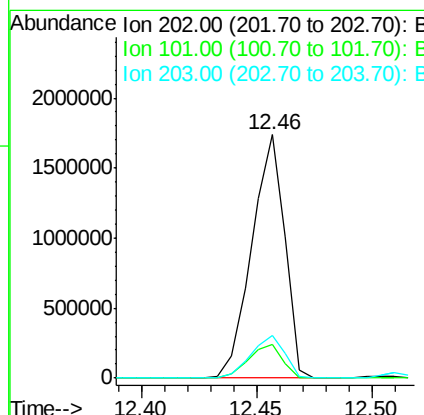
RT: 12.46 min Scan# 1763

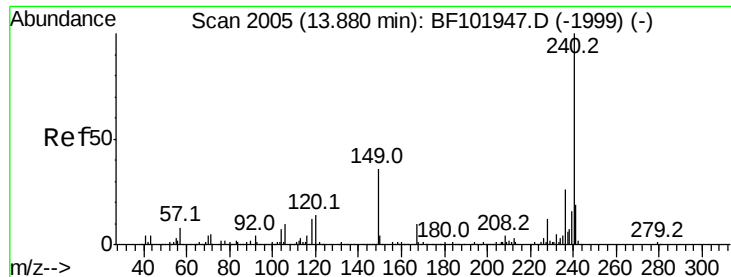
Delta R.T. 0.00 min

Lab File: BF102022.D

Acq: 11 Jan 2018 16:59

Tgt Ion:	202	Resp:	1733734
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102022.D

Acq: 11 Jan 2018 16:59

Instrument :

BNA_F

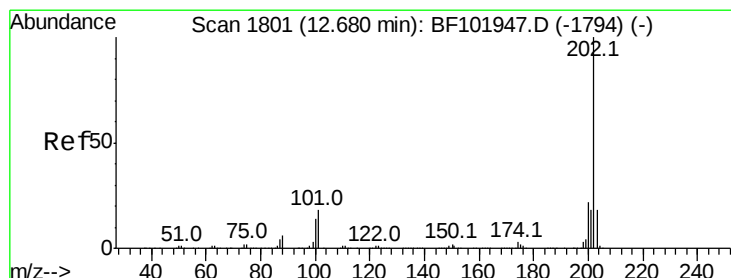
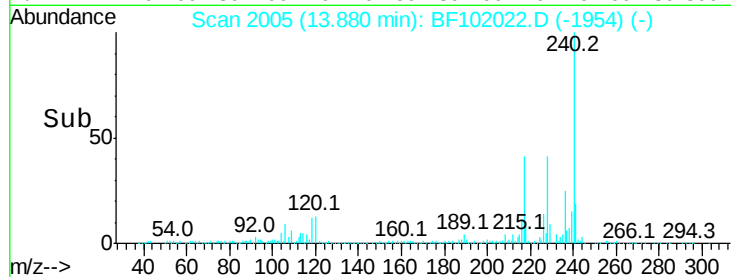
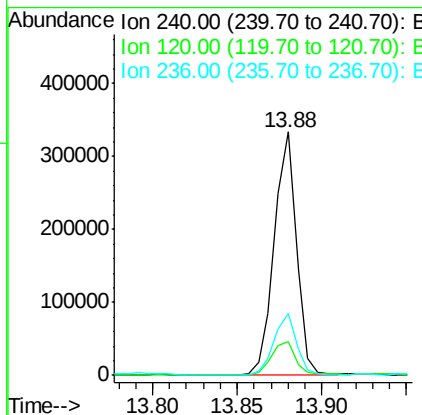
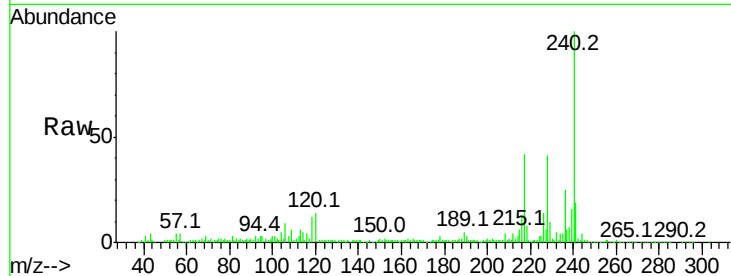
ClientSampleId :

EPE-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.7	9.5	14.3
236	25.4	20.7	31.1

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#77

Pyrene

Concen: 54.144 ng

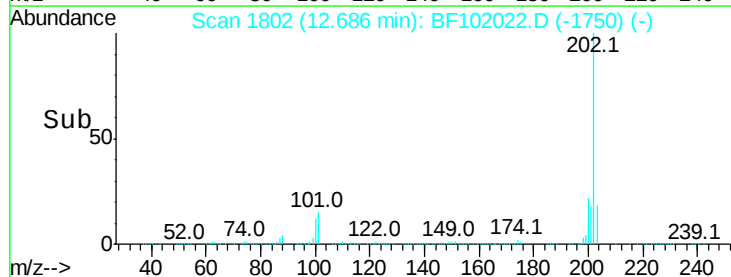
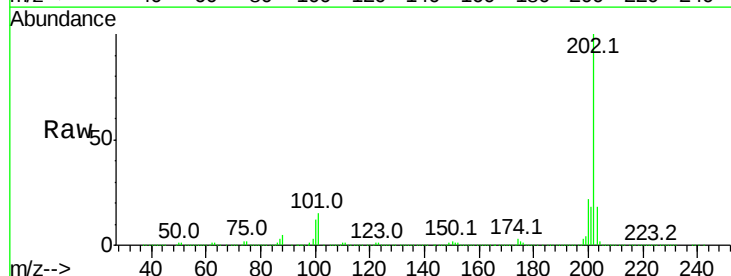
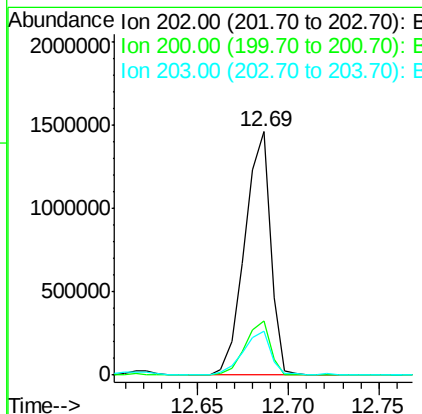
RT: 12.69 min Scan# 1802

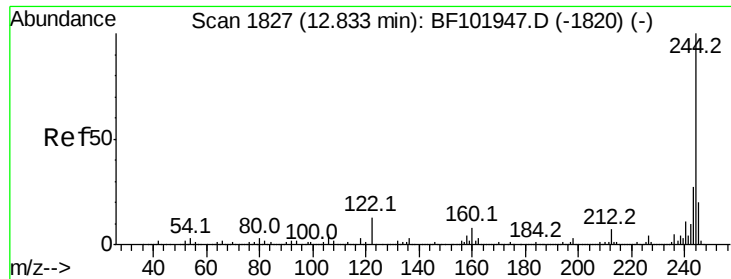
Delta R.T. 0.01 min

Lab File: BF102022.D

Acq: 11 Jan 2018 16:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.0	14.3	21.5





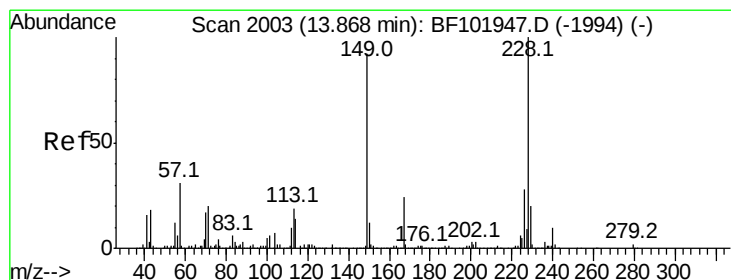
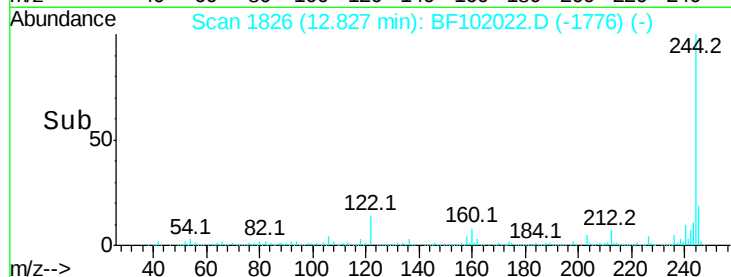
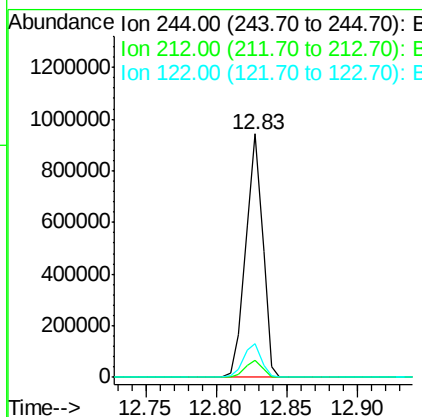
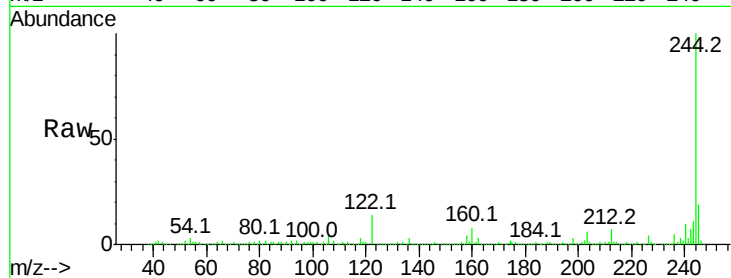
#78
 Terphenyl-d14
 Concen: 54.715 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF102022.D
 Acq: 11 Jan 2018 16:59

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.7	11.0	16.4

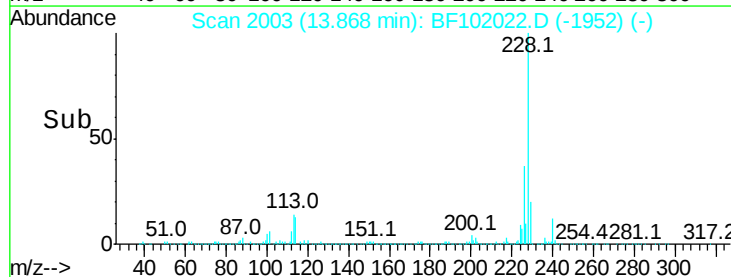
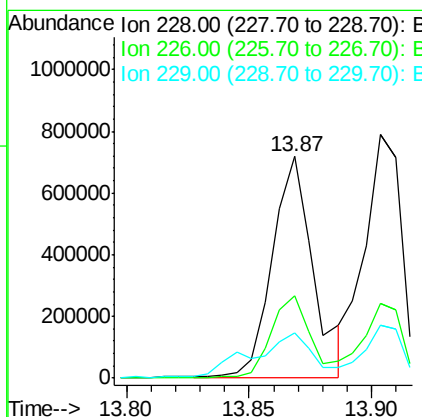
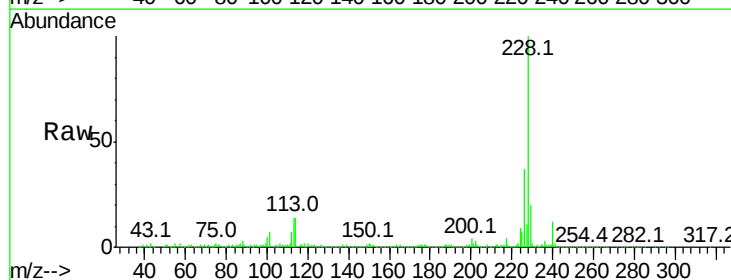
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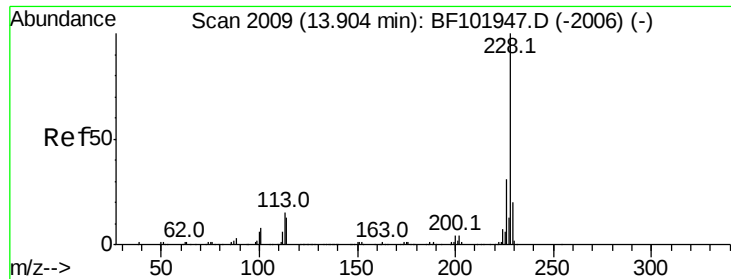
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#80
 Benzo(a)anthracene
 Concen: 43.300 ng m
 RT: 13.87 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: BF102022.D
 Acq: 11 Jan 2018 16:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.3	22.6	33.8#
229	20.3	15.8	23.6





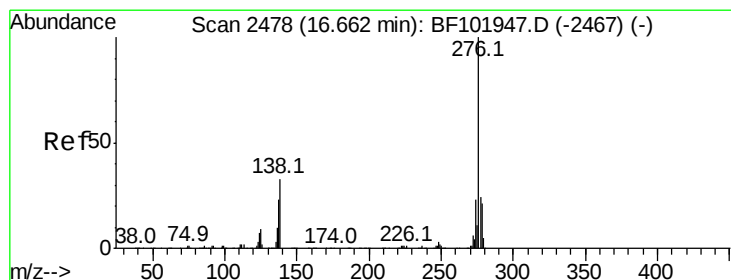
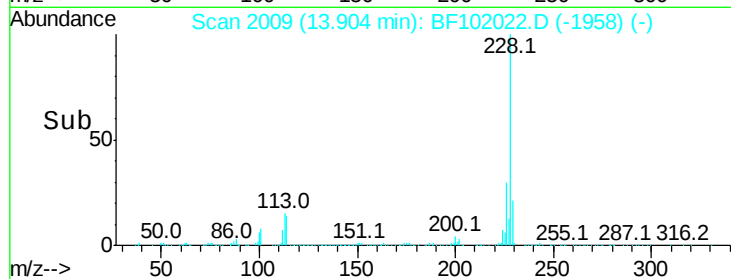
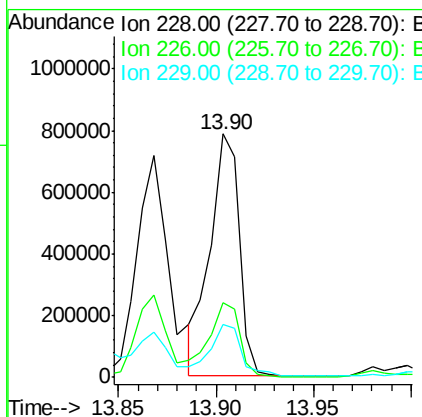
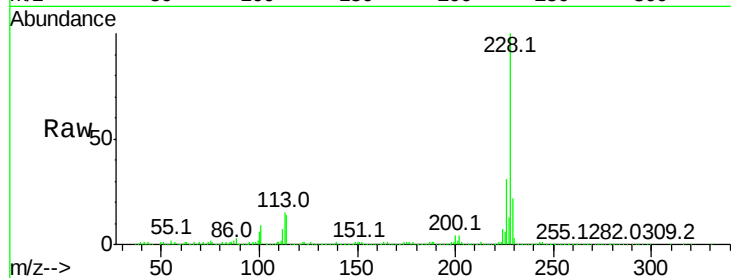
#82
Chrysene
Concen: 40.835 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Instrument :
BNA_F
ClientSampleId :
EPE-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.8	16.2	24.4

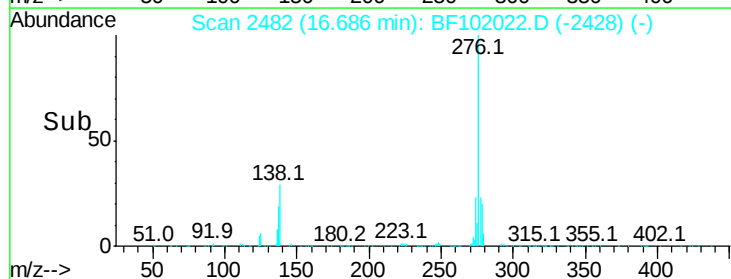
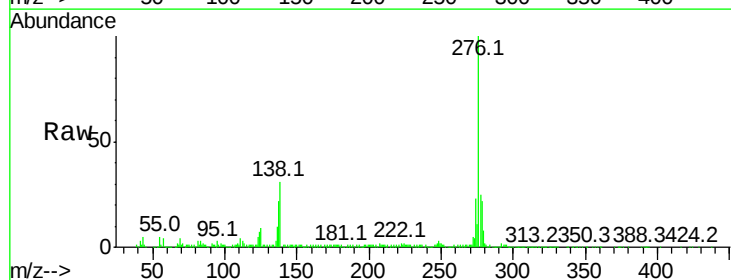
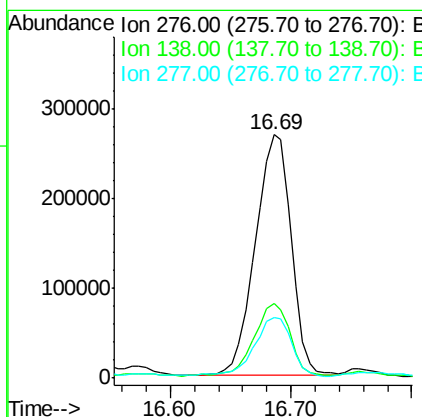
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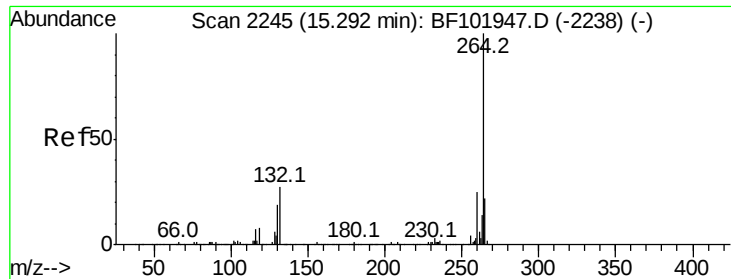
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#85
Indeno(1,2,3-cd)pyrene
Concen: 37.845 ng
RT: 16.69 min Scan# 2482
Delta R.T. 0.02 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.4	25.0	37.6
277	25.7	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2247

Delta R.T. 0.01 min

Lab File: BF102022.D

Acq: 11 Jan 2018 16:59

Instrument :

BNA_F

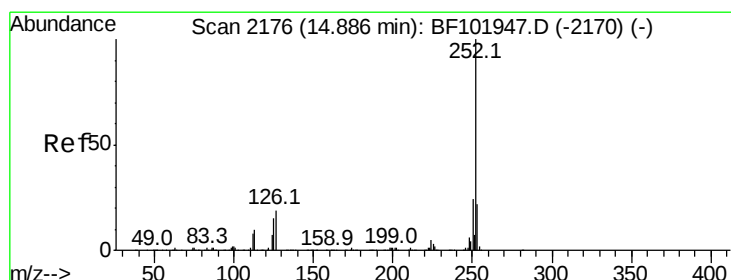
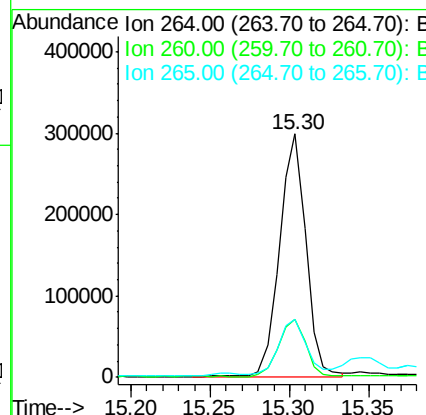
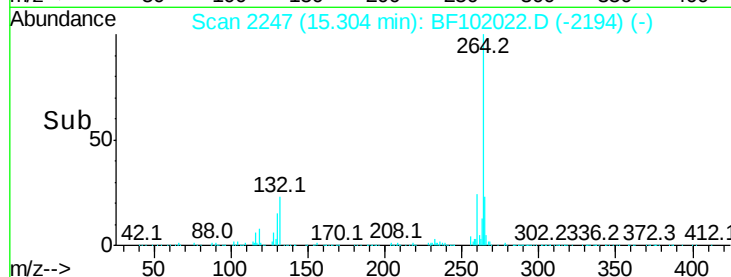
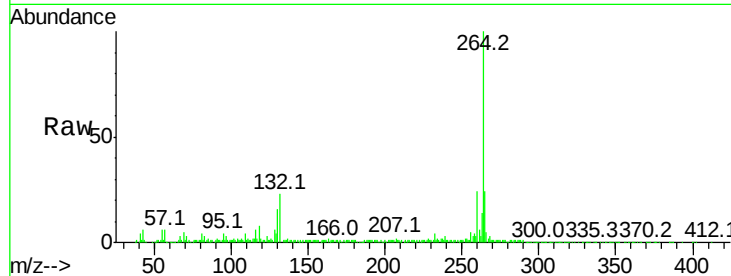
ClientSampleId :

EPE-106-1(0-5)

Tot Ion:	264	Resp:	345257
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	23.9	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 51.762 ng m

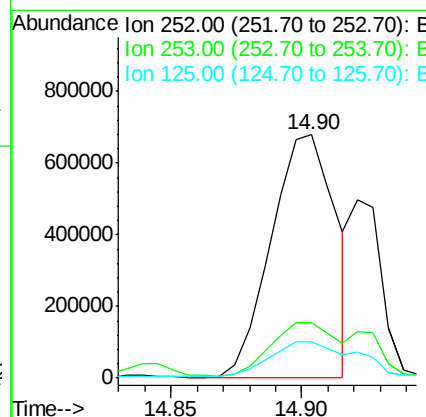
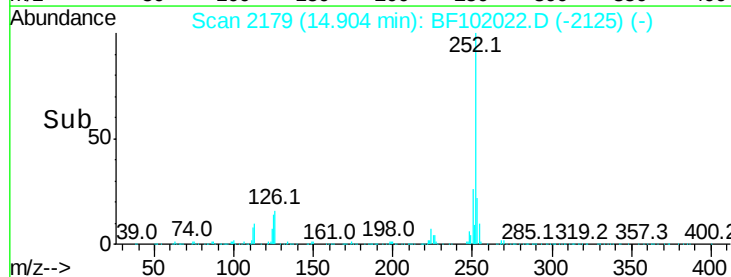
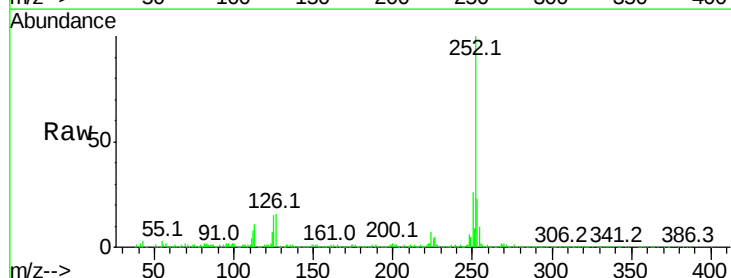
RT: 14.90 min Scan# 2179

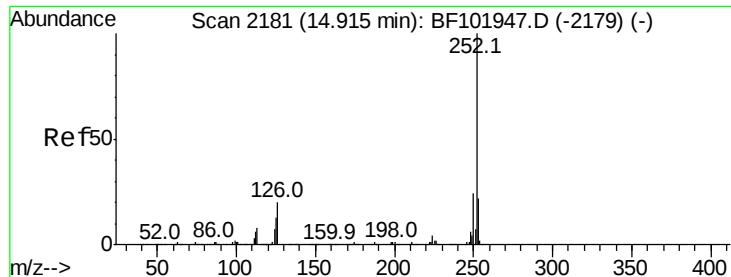
Delta R.T. 0.02 min

Lab File: BF102022.D

Acq: 11 Jan 2018 16:59

Tgt Ion:	252	Resp:	1165261
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.6
125	14.9	9.0	13.6#





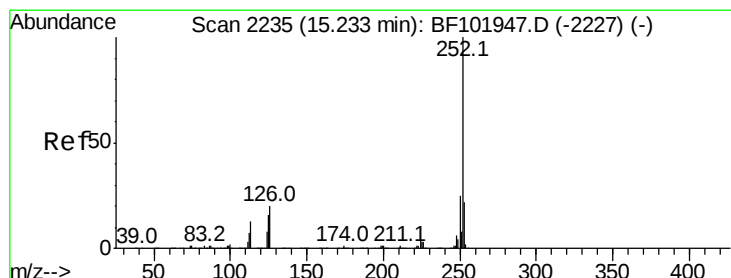
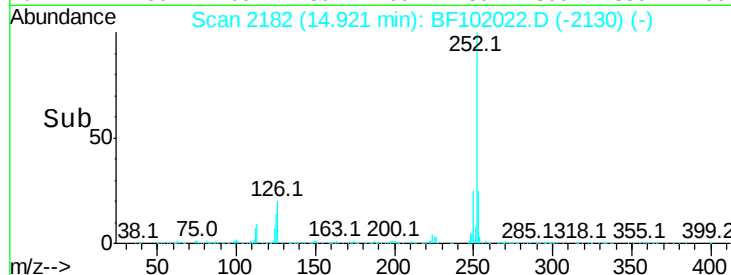
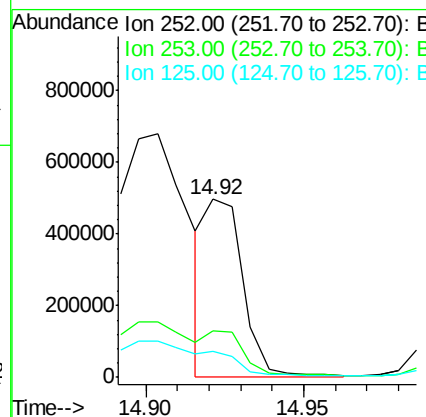
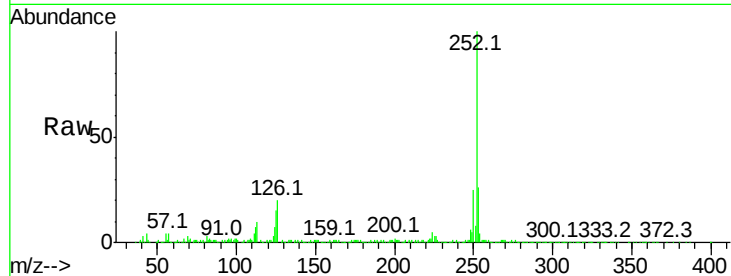
#88
Benzo(k)fluoranthene
Concen: 19.028 ng/mL
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Instrument :
BNA_F
ClientSampleId :
EPE-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	14.7	10.2	15.2

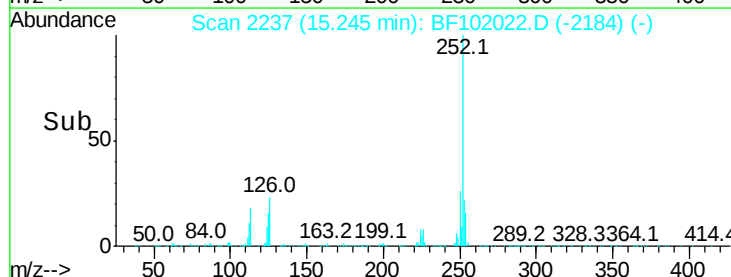
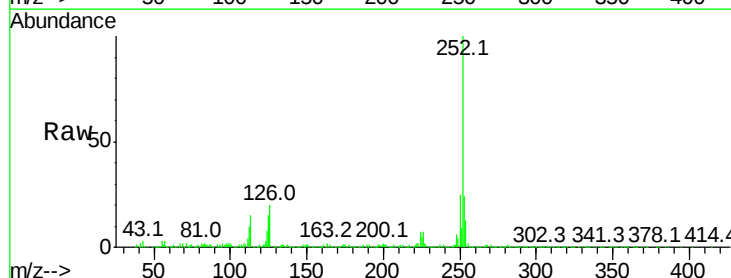
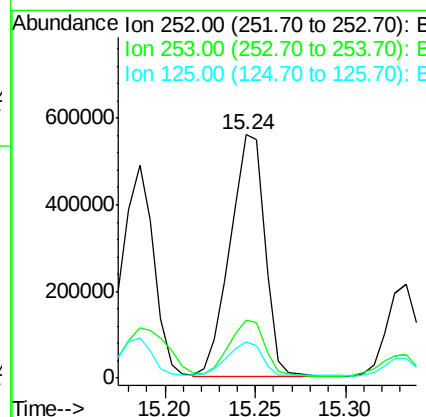
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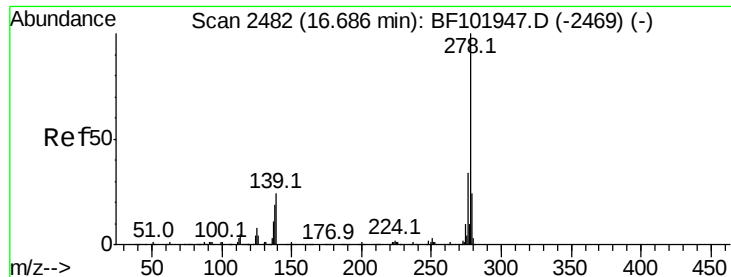
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#89
Benzo(a)pyrene
Concen: 36.766 ng/mL
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	15.1	9.8	14.6





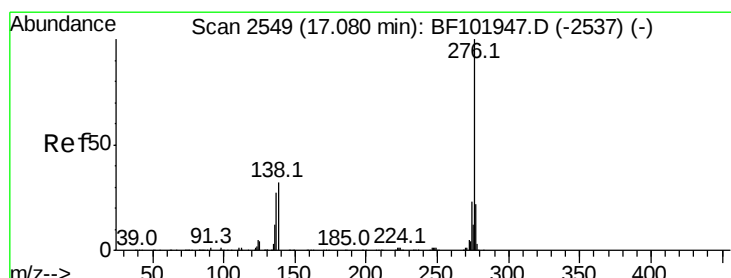
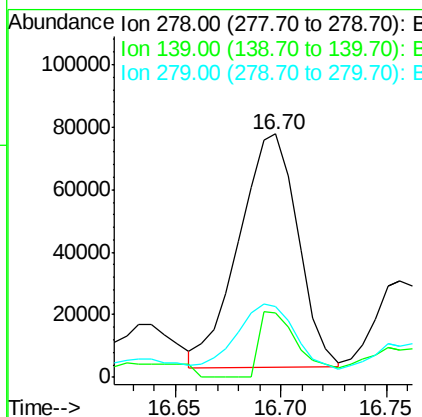
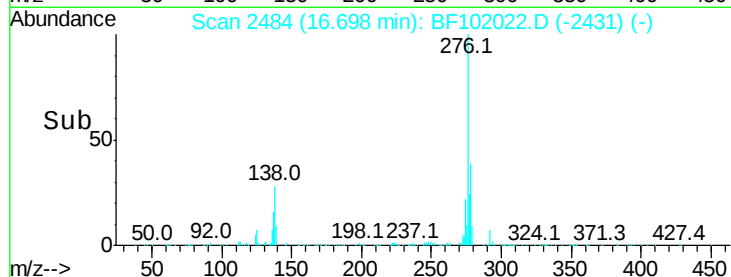
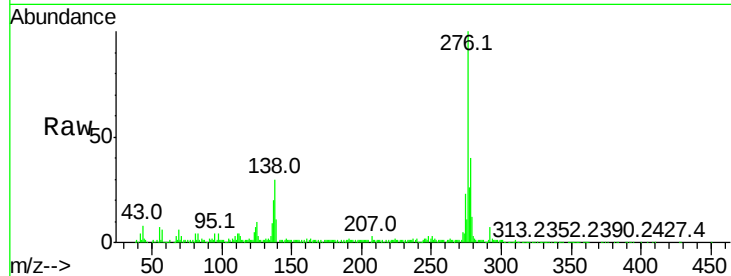
#90
Dibenzo(a,h)anthracene
Concen: 8.970 ng
RT: 16.70 min Scan# 2484
Delta R.T. 0.01 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Instrument :
BNA_F
ClientSampled :
EPE-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.2	15.9	23.9#
279	29.0	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 32.376 ng
RT: 17.11 min Scan# 2554
Delta R.T. 0.02 min
Lab File: BF102022.D
Acq: 11 Jan 2018 16:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	29.8	21.8	32.8

