

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103230.D
 Acq On : 26 Feb 2018 21:04
 Operator : SJ/JU
 Sample : J1691-41 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B11

Manual Integrations
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 2/27/2018 12:23:04 PM

Quant Time: Feb 27 00:58:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	166606	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	683555	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	279158	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	413821	20.00	ng	0.00
75) Chrysene-d12	14.07	240	210591	20.00	ng	0.02
86) Perylene-d12	15.57	264	194794	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	487451	44.25	ng	0.00
7) Phenol-d6	6.50	99	587332	43.57	ng	0.00
23) Nitrobenzene-d5	7.43	82	347588	29.04	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	86490	36.60	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	558068	28.53	ng	0.00
78) Terphenyl-d14	12.99	244	378326	43.19	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.77	152	588838	20.680	ng	100
49) Dimethylphthalate	9.62	163	109356	4.883	ng	99
51) Acenaphthene	9.95	154	44405	2.674	ng	97
54) Dibenzofuran	10.12	168	47979	2.105	ng	# 95
57) Fluorene	10.46	166	142134	7.320	ng	99
70) Phenanthrene	11.43	178	1512728	66.424	ng	100
71) Anthracene	11.48	178	557479	23.872	ng	99
72) Carbazole	11.64	167	87819	3.776	ng	100
74) Fluoranthene	12.64	202	2734390	119.483	ng	100
77) Pyrene	12.87	202	2514470	153.144	ng	99
80) Benzo(a)anthracene	14.06	228	1488480	108.935	ng	93
82) Chrysene	14.10	228	1329601	100.216	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	717550	68.316	ng	94
87) Benzo(b)fluoranthene	15.14	252	1583479m	123.637	ng	
88) Benzo(k)fluoranthene	15.16	252	539619m	44.743	ng	
89) Benzo(a)pyrene	15.52	252	1086289	94.979	ng	95
90) Dibenzo(a,h)anthracene	17.12	278	189029	21.389	ng	# 75
91) Benzo(g,h,i)perylene	17.59	276	691451	80.053	ng	98

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

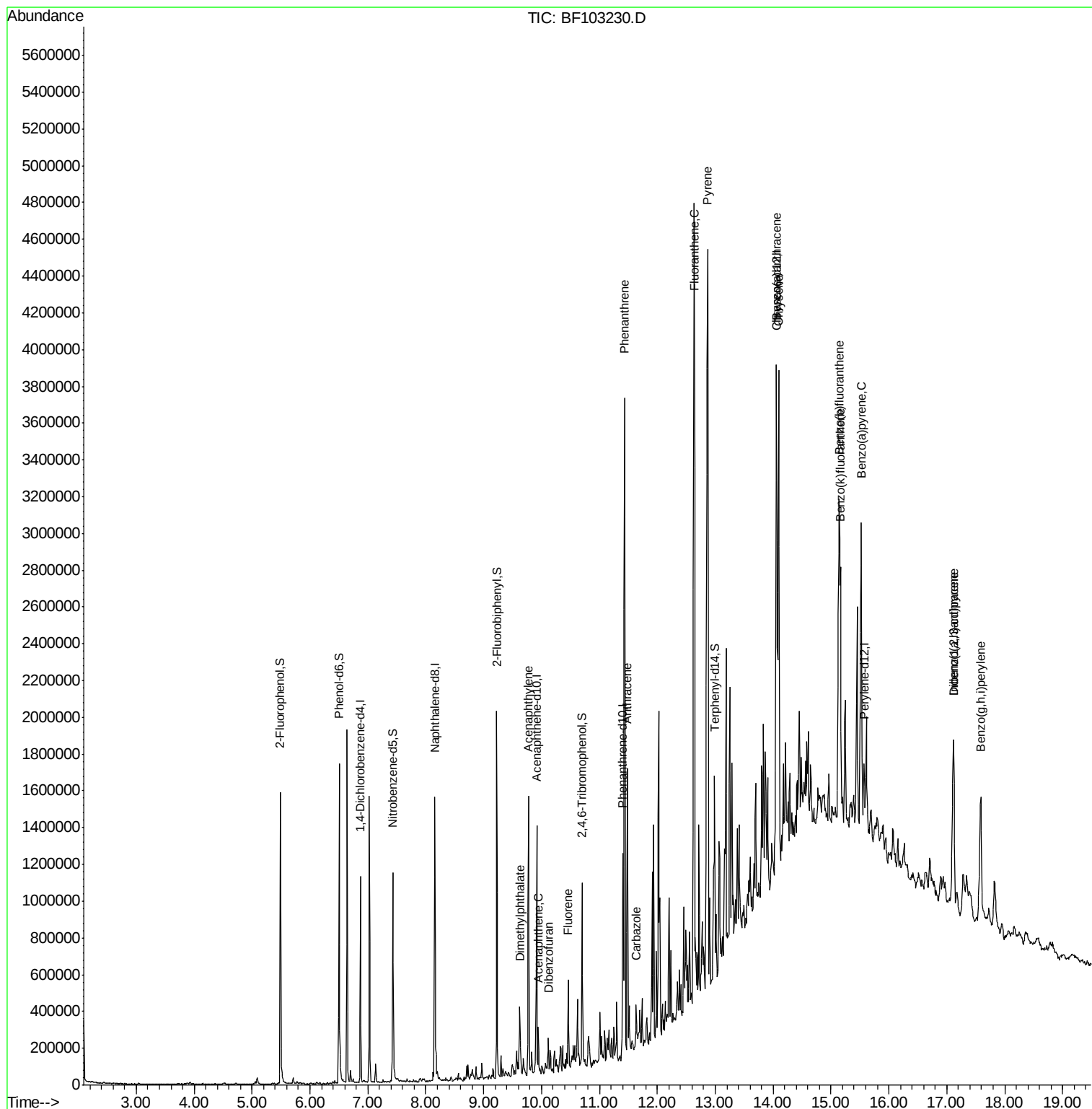
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
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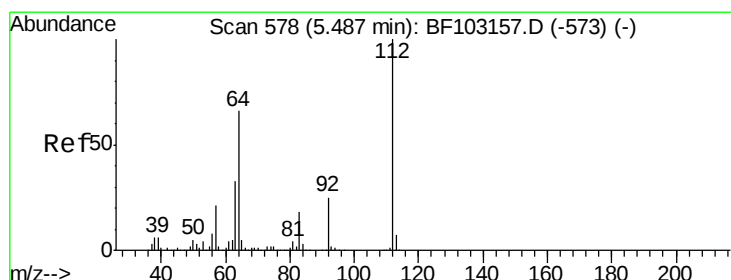
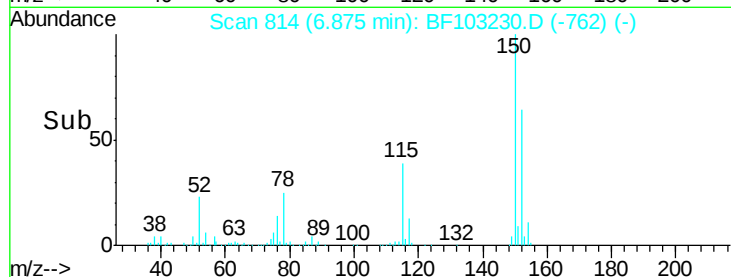
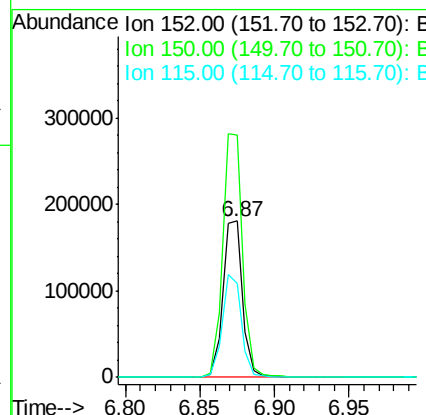
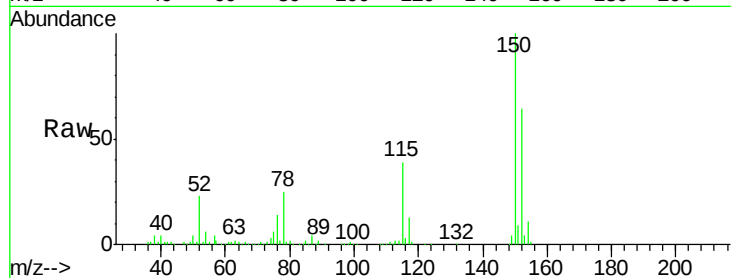
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.01 min
 Lab File: BF103230.D
 Acq: 26 Feb 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :
 B11

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	60.5	50.1	75.1

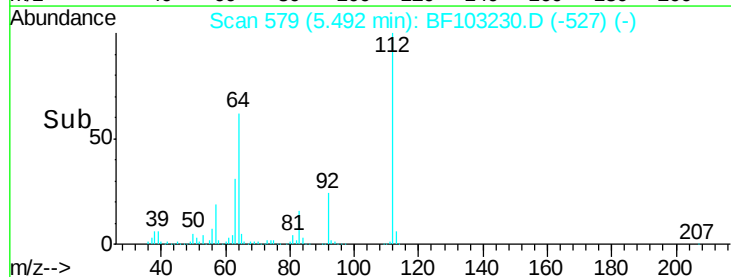
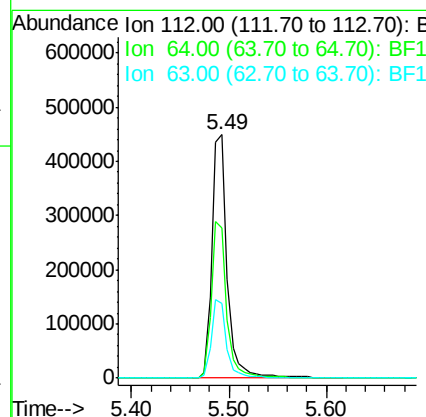
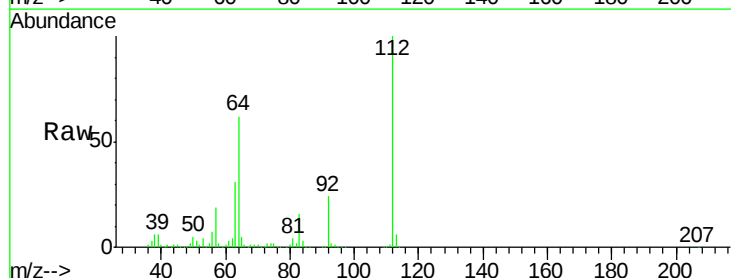
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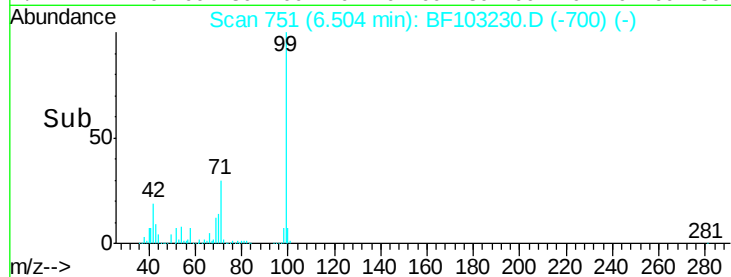
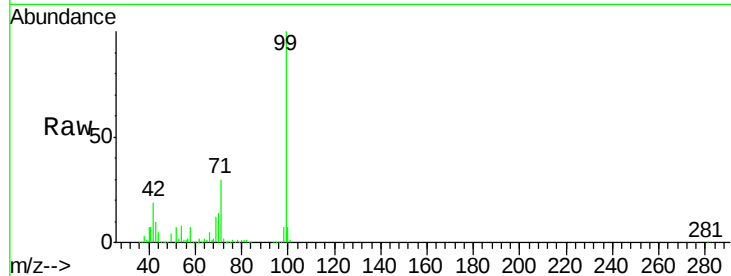
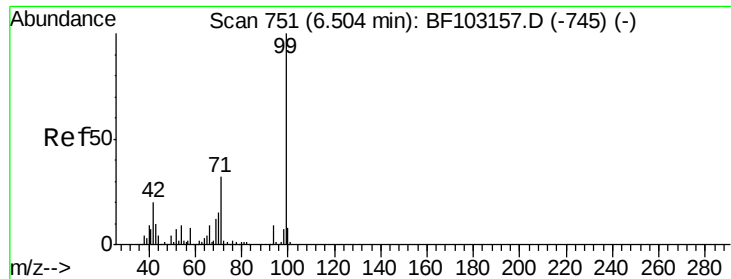
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#5
 2-Fluorophenol
 Concen: 44.250 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: BF103230.D
 Acq: 26 Feb 2018 21:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.9	71.9
63	30.7	23.7	35.5





#7

Phenol-d6

Concen: 43.572 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103230.D

Acq: 26 Feb 2018 21:04

Tot Ion:	99	Resp:	587332
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.5	21.7
71	30.3	25.4	38.0

Instrument :

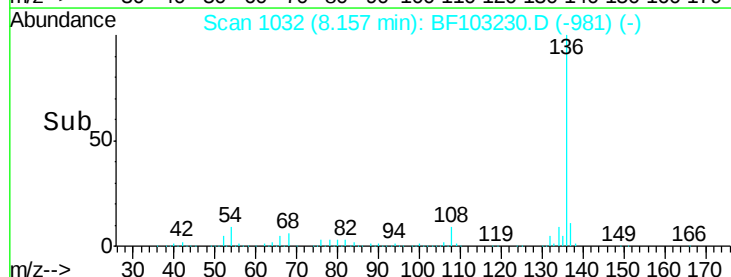
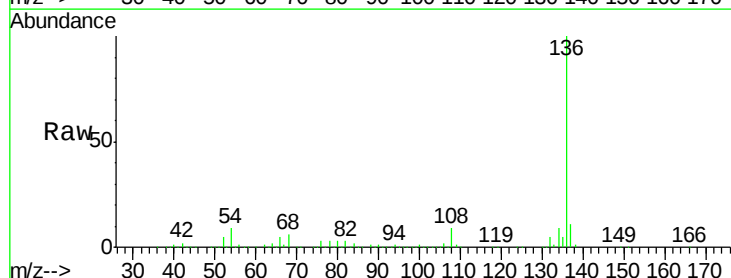
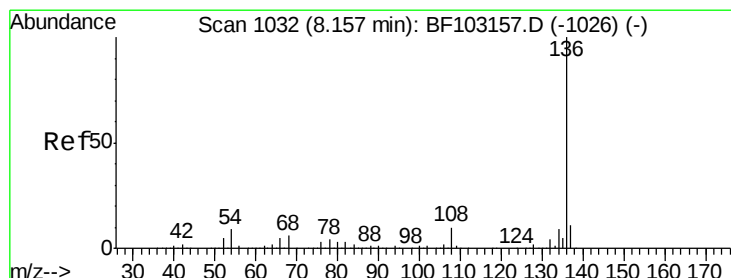
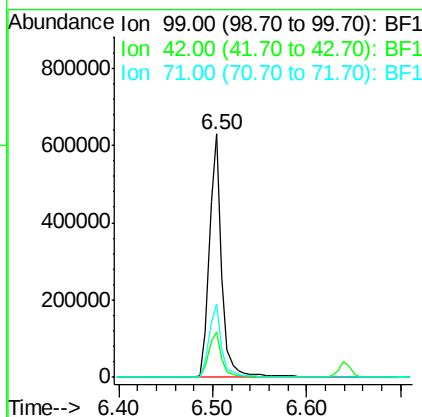
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

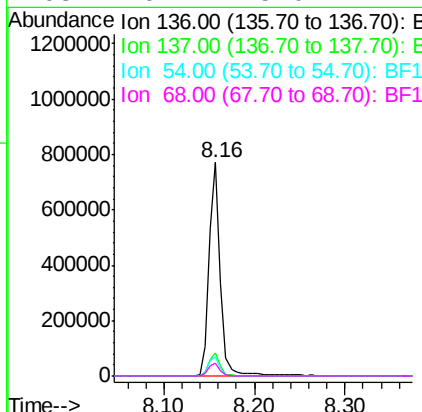
RT: 8.16 min Scan# 1032

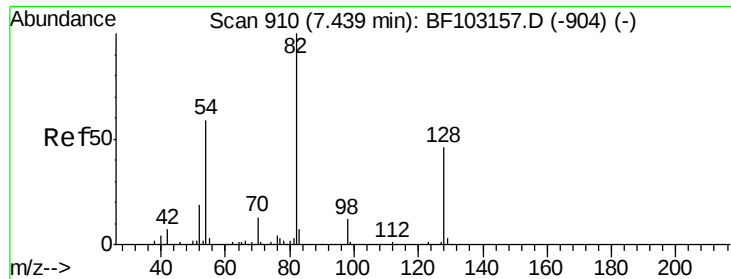
Delta R.T. -0.00 min

Lab File: BF103230.D

Acq: 26 Feb 2018 21:04

Tgt Ion:	136	Resp:	683555
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	9.0	6.6	9.8
68	6.2	5.0	7.4





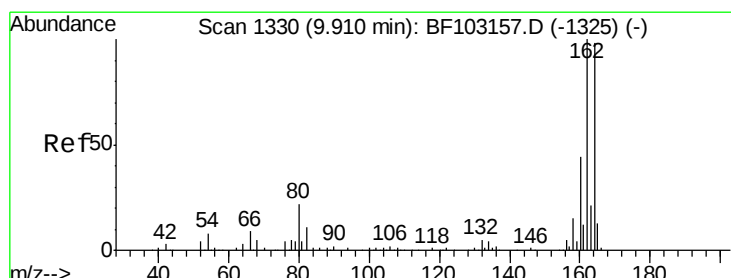
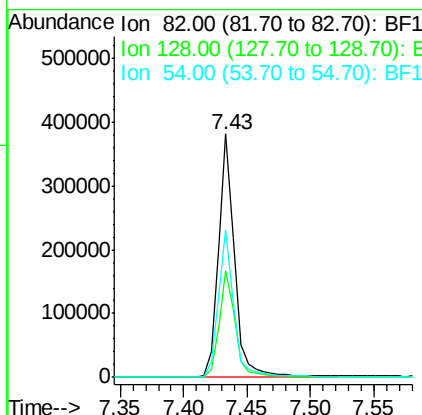
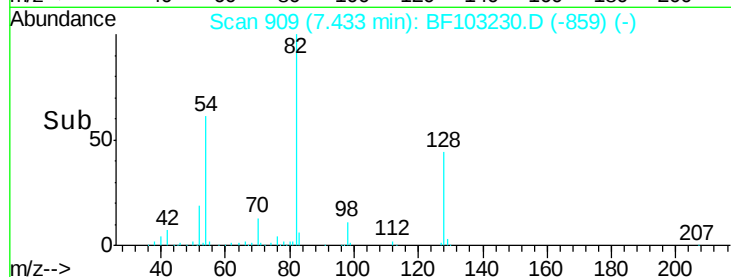
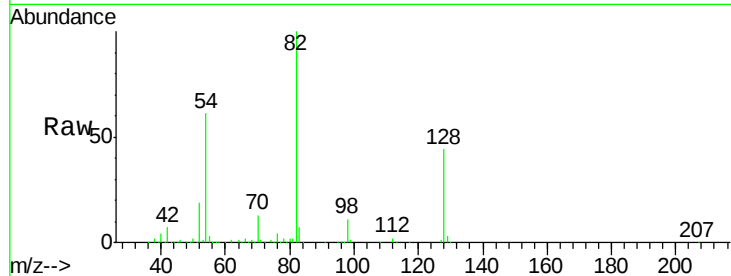
#23
Nitrobenzene-d5
Concen: 29.040 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103230.D
Acq: 26 Feb 2018 21:04

Instrument :
BNA_F
ClientSampled :
B11

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	60.6	41.4	62.2

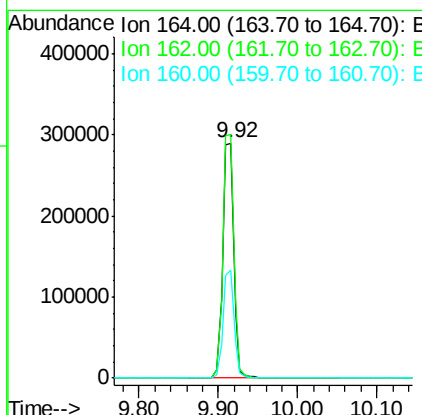
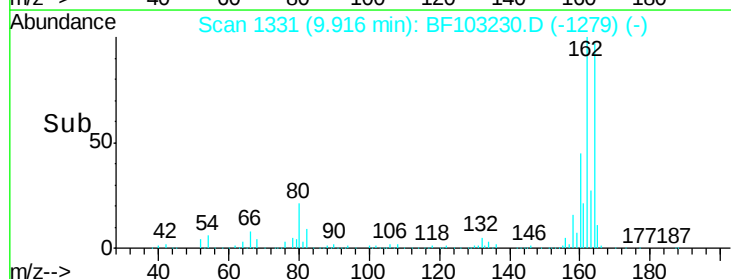
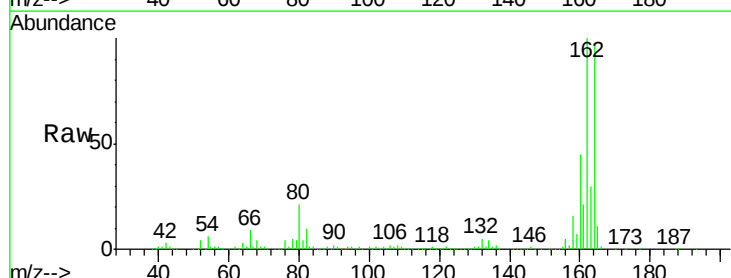
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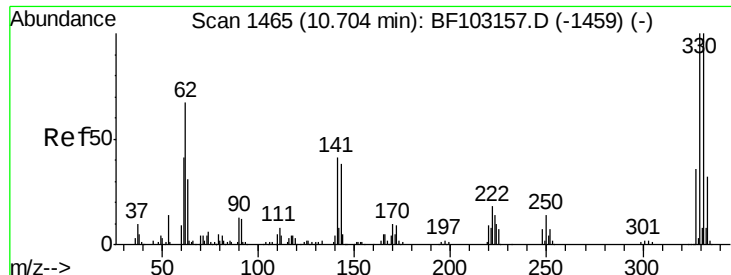
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF103230.D
Acq: 26 Feb 2018 21:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	46.1	38.3	57.5





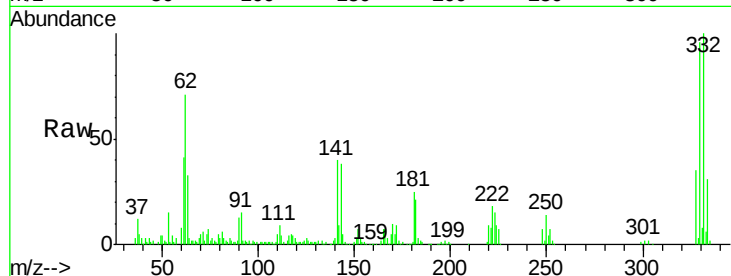
#41
 2,4,6-Tribromophenol
 Concen: 36.603 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103230.D
 Acq: 26 Feb 2018 21:04

Instrument :
 BNA_F
 ClientSampled :
 B11

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.5	77.0	115.6
141	42.9	29.9	44.9

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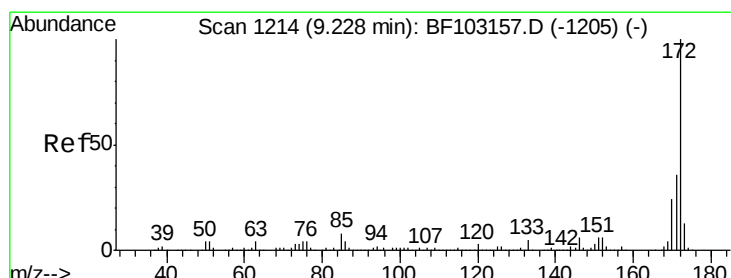
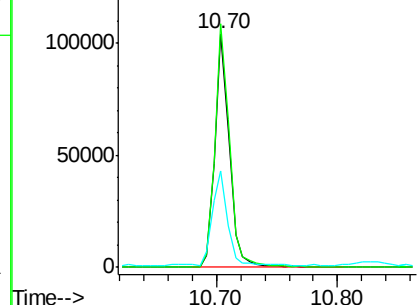
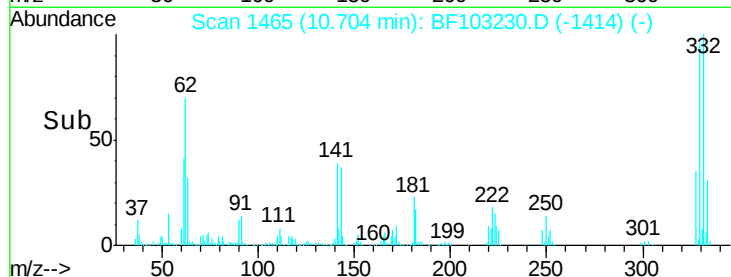


Abundance

Ion 329.80 (329.50 to 330.50): E

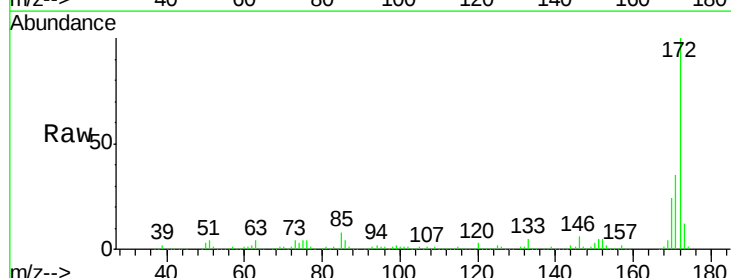
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 28.534 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103230.D
 Acq: 26 Feb 2018 21:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	23.6	19.6	29.4

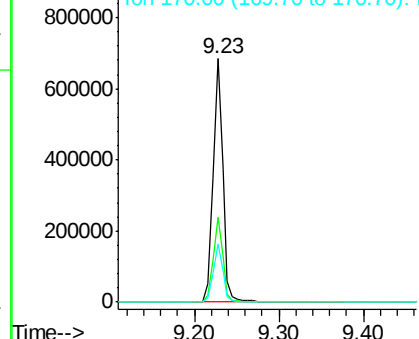
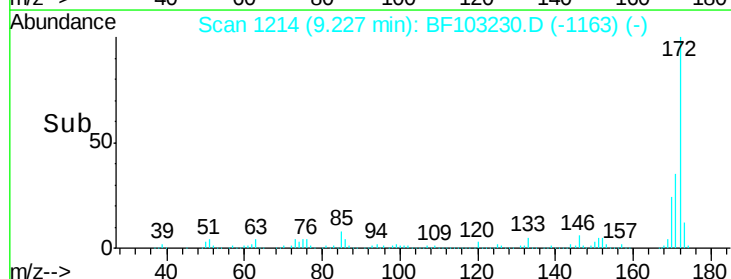


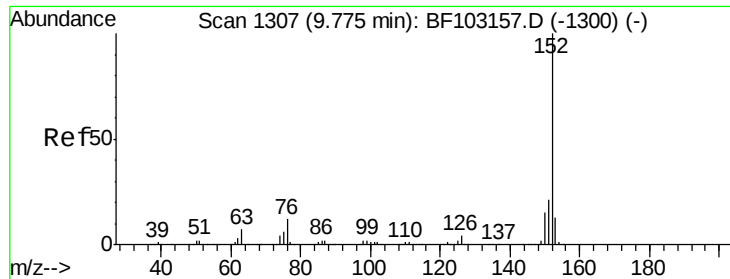
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 20.680 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BF103230.D

Acq: 26 Feb 2018 21:04

Instrument :

BNA_F

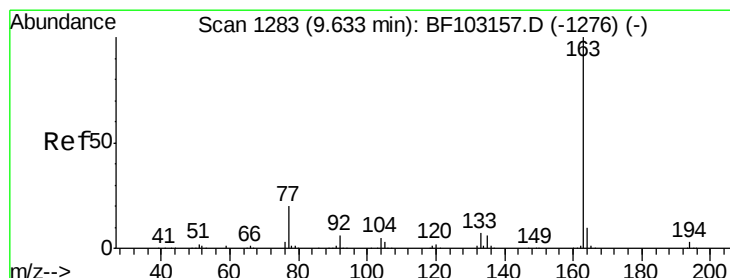
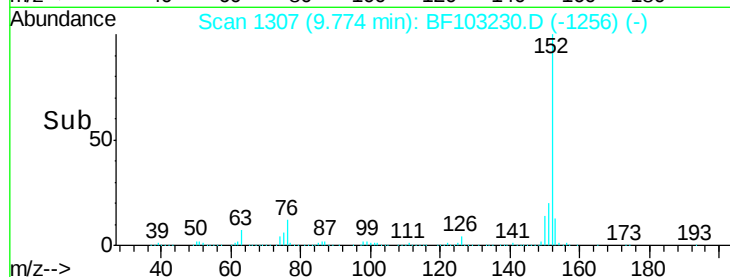
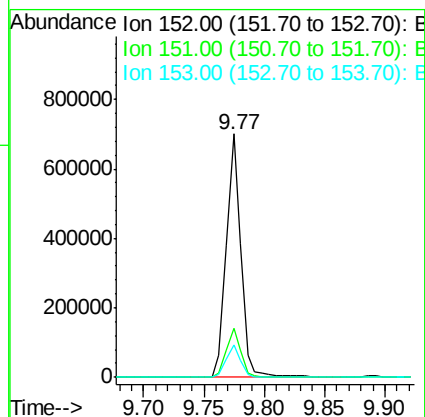
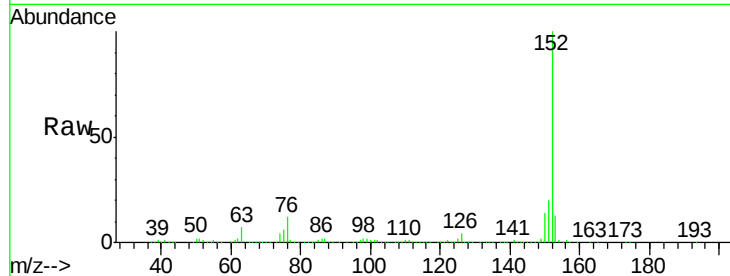
ClientSampleId :

B11

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	13.2	10.7	16.1

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#49

Dimethylphthalate

Concen: 4.883 ng

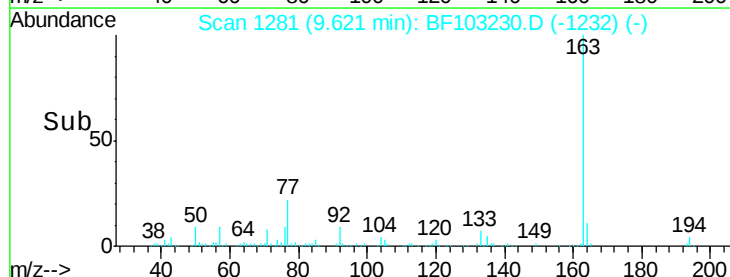
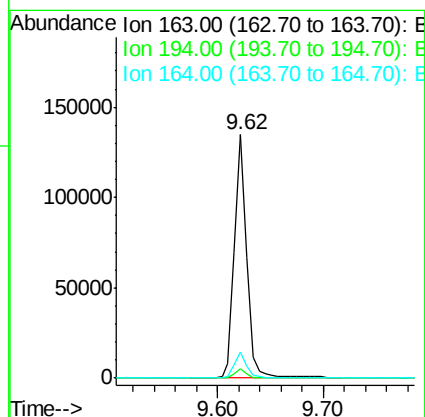
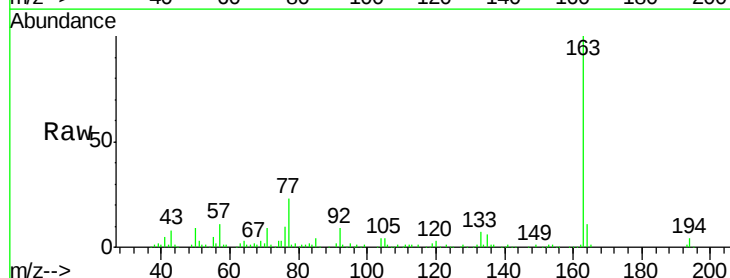
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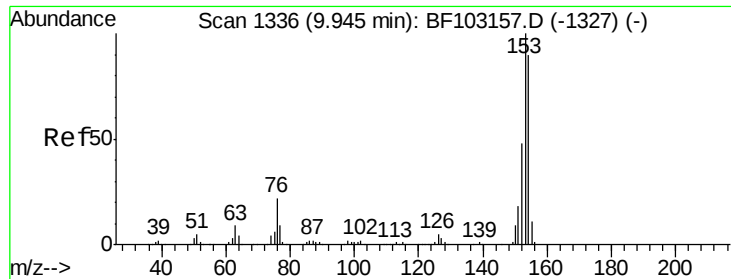
Delta R.T. -0.01 min

Lab File: BF103230.D

Acq: 26 Feb 2018 21:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.7	8.2	12.2





#51

Acenaphthene

Concen: 2.674 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BF103230.D

Acq: 26 Feb 2018 21:04

Instrument :

BNA_F

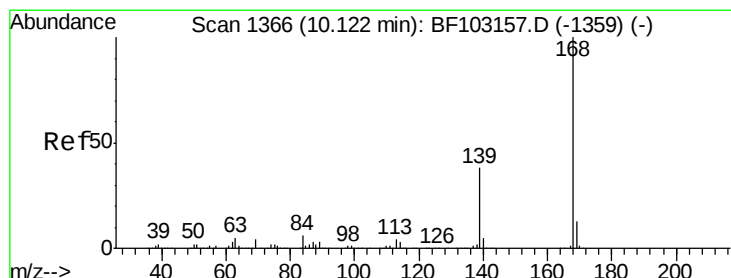
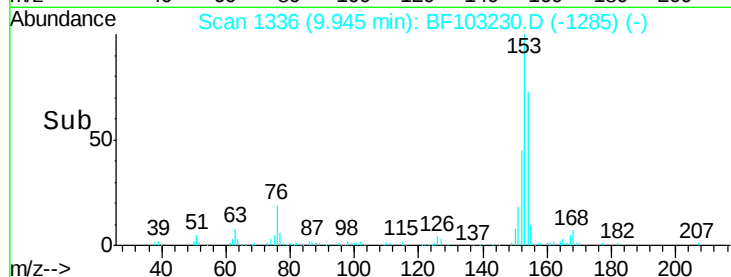
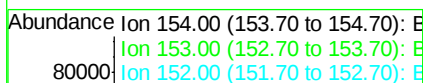
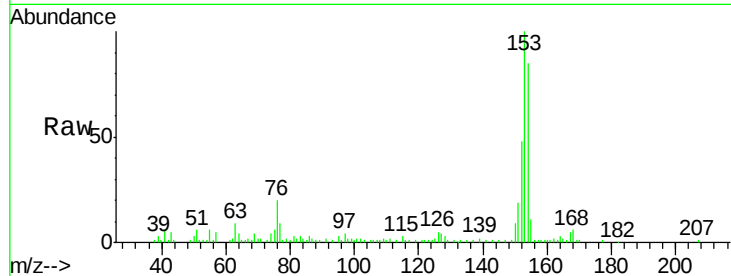
ClientSampleId :

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Tot Ion:	154	Resp:	44405
Ion	Ratio	Lower	Upper
154	100		
153	117.7	91.2	136.8
152	56.7	43.8	65.8

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#54

Dibenzofuran

Concen: 2.105 ng

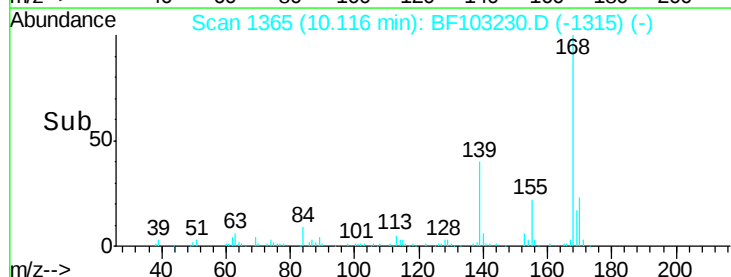
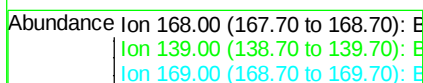
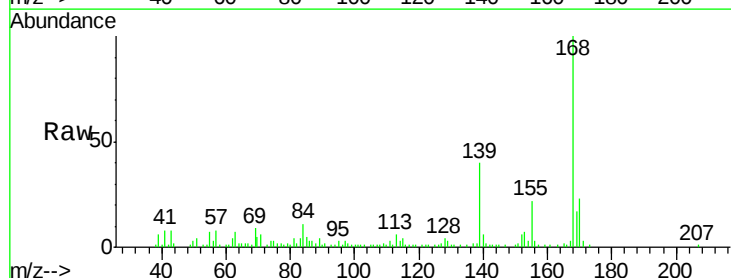
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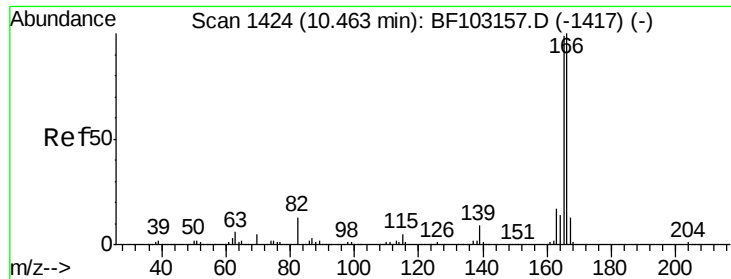
Delta R.T. -0.01 min

Lab File: BF103230.D

Acq: 26 Feb 2018 21:04

Tgt Ion:	168	Resp:	47979
Ion	Ratio	Lower	Upper
168	100		
139	39.9	30.1	45.1
169	17.3	10.9	16.3#





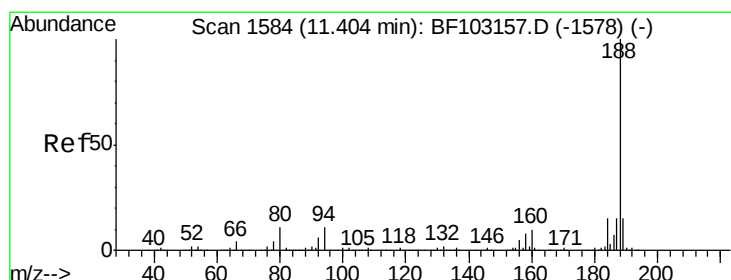
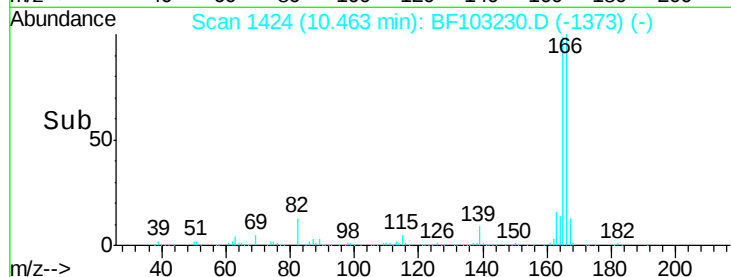
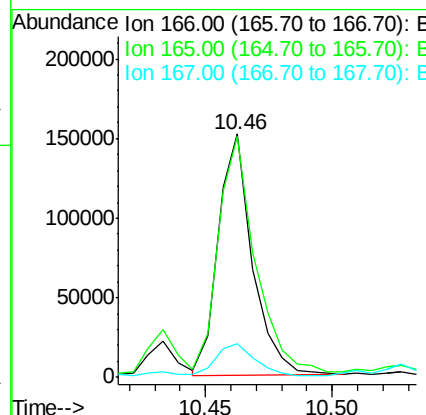
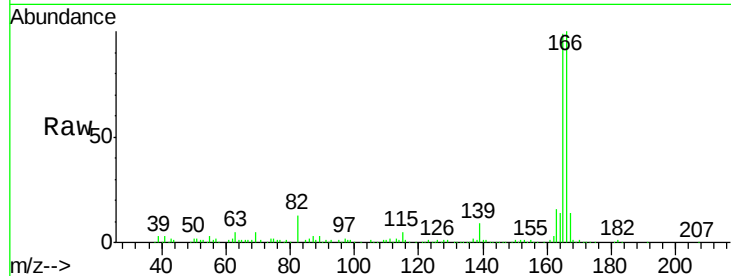
#57
Fluorene
 Concen: 7.320 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF103230.D
 Acq: 26 Feb 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :
 B11

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.8	119.8
167	13.7	10.6	16.0

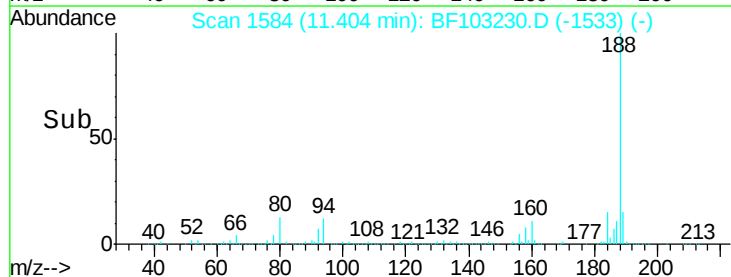
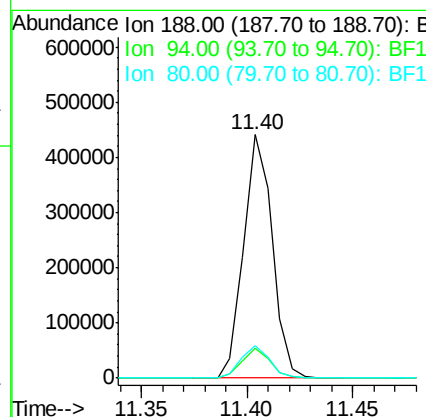
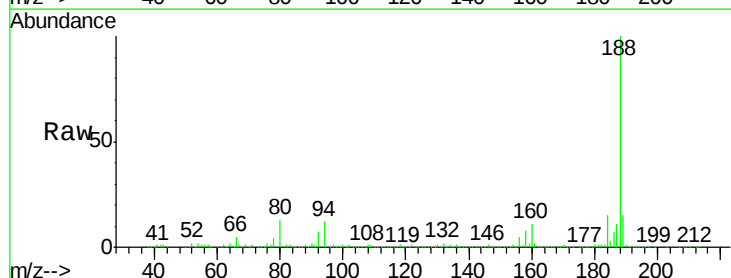
Manual Integrations
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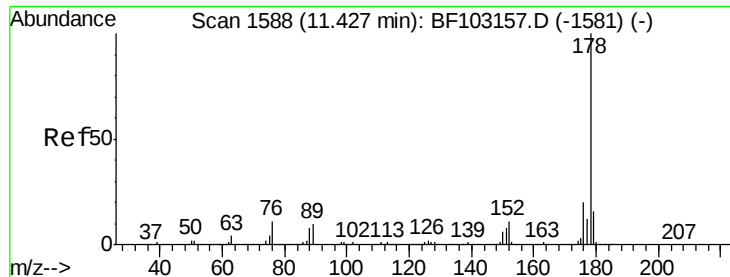
Sohil
 2/27/2018 12:23:04 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF103230.D
 Acq: 26 Feb 2018 21:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.4	8.5	12.7
80	13.1	9.2	13.8





#70

Phenanthrene

Concen: 66.424 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.01 min

Lab File: BF103230.D

Acq: 26 Feb 2018 21:04

Instrument :

BNA_F

ClientSampled :

B11

Tot Ion:178 Resp: 1512728

Ion Ratio Lower Upper

178 100

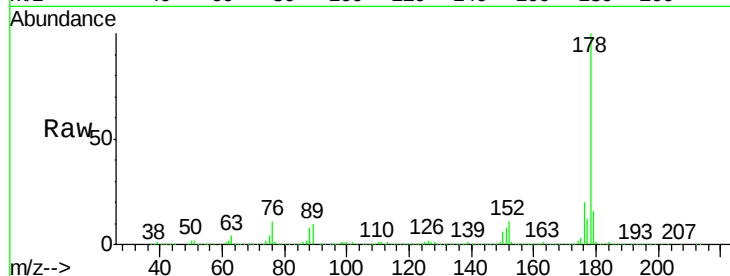
176 19.8 15.8 23.8

179 16.0 13.0 19.6

Manual Integrations
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Sohil

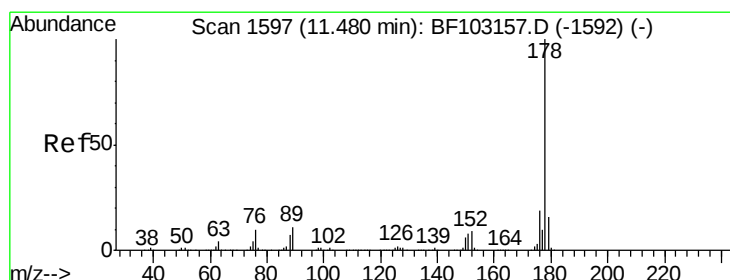
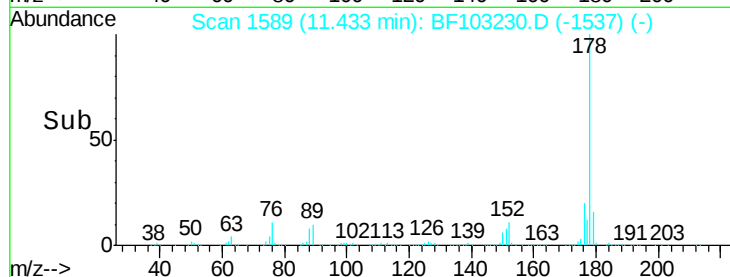
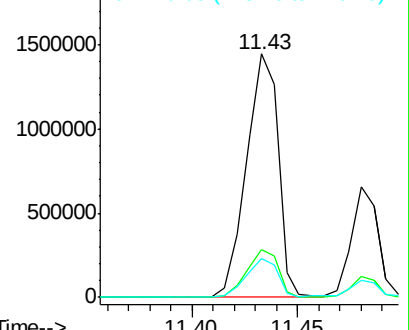
2/27/2018 12:23:04 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 23.872 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.00 min

Lab File: BF103230.D

Acq: 26 Feb 2018 21:04

Tgt Ion:178 Resp: 557479

Ion Ratio Lower Upper

178 100

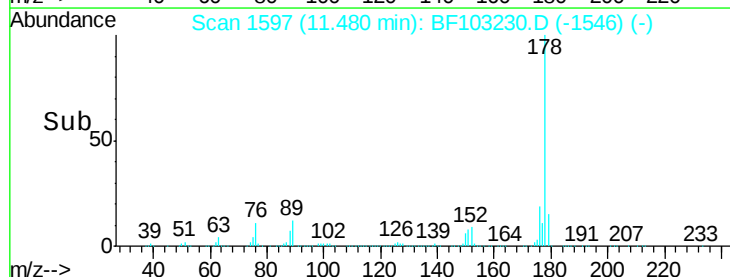
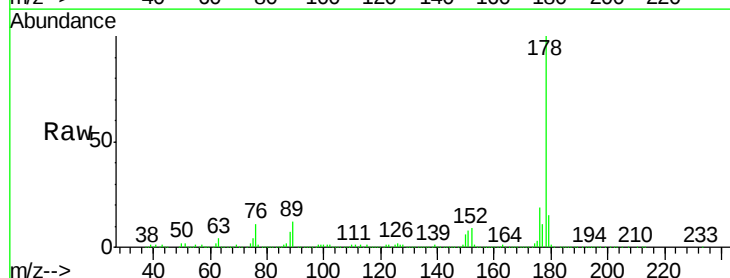
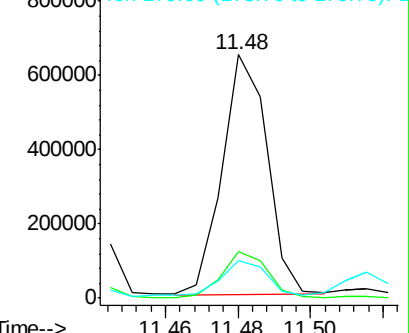
176 19.2 15.4 23.2

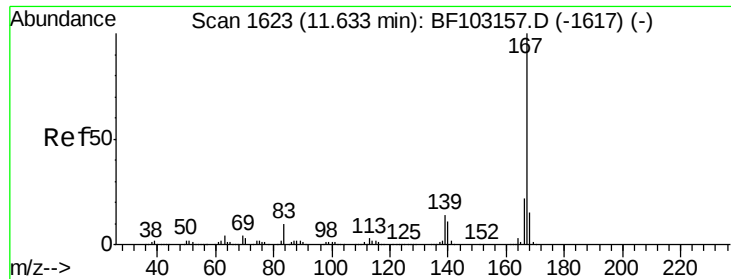
179 15.3 12.6 19.0

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





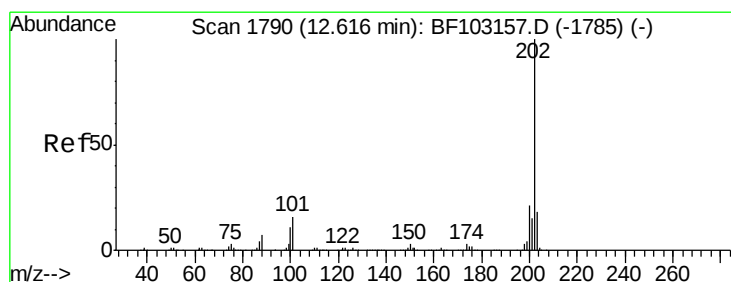
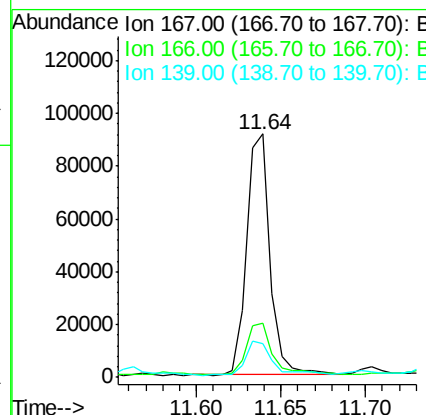
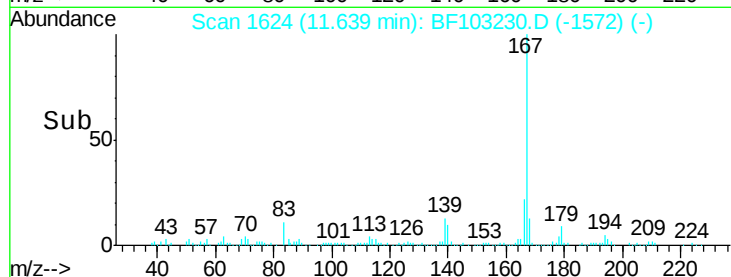
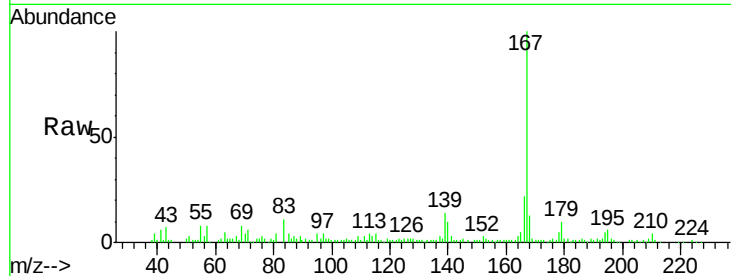
#72
 Carbazole
 Concen: 3.776 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. 0.01 min
 Lab File: BF103230.D
 Acq: 26 Feb 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :
 B11

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	13.7	10.9	16.3

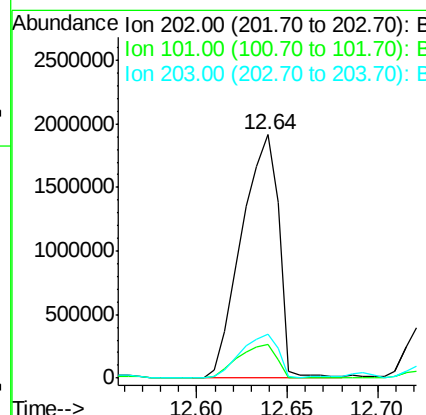
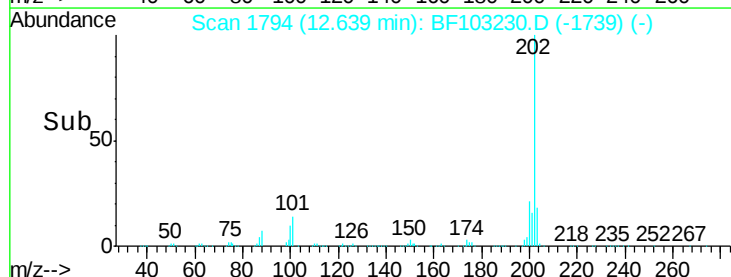
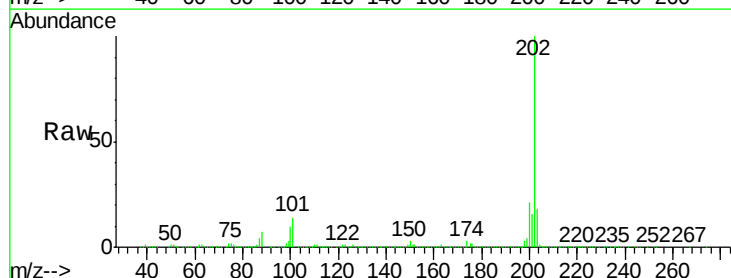
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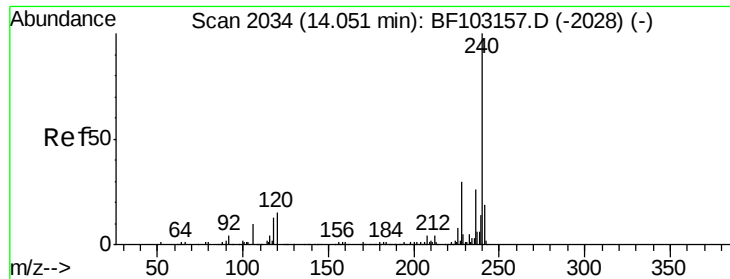
Sohil
 2/27/2018 12:23:04 PM



#74
 Fluoranthene
 Concen: 119.483 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. 0.02 min
 Lab File: BF103230.D
 Acq: 26 Feb 2018 21:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BF103230.D

Acq: 26 Feb 2018 21:04

Instrument :

BNA_F

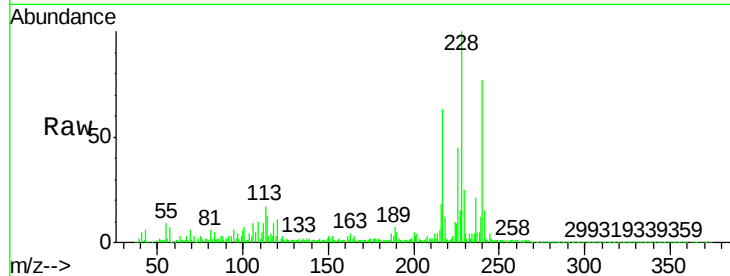
ClientSampleId :

B11

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.4	9.5	14.3	
236	27.3	20.7	31.1	

Manual Integrations
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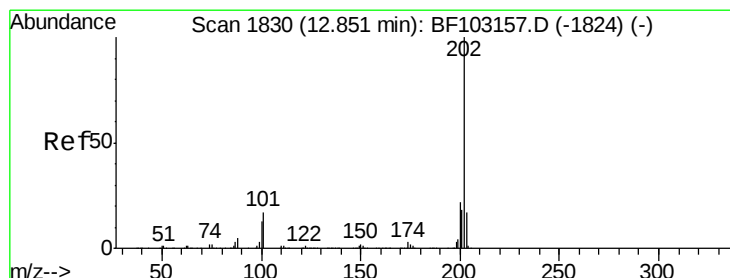
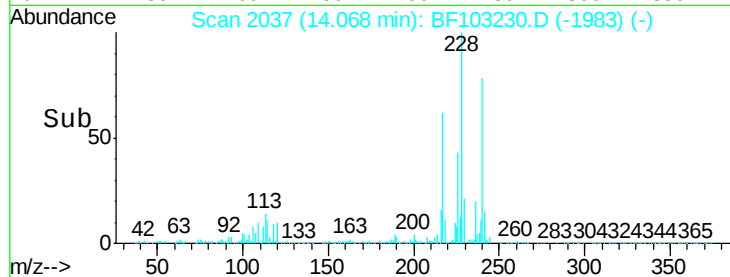
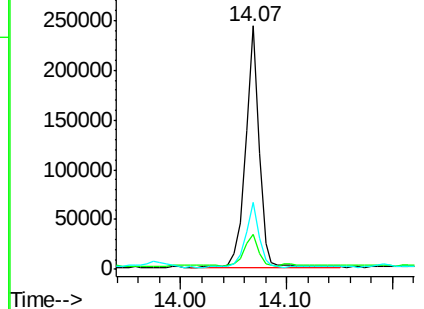
Sohil
2/27/2018 12:23:04 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 153.144 ng

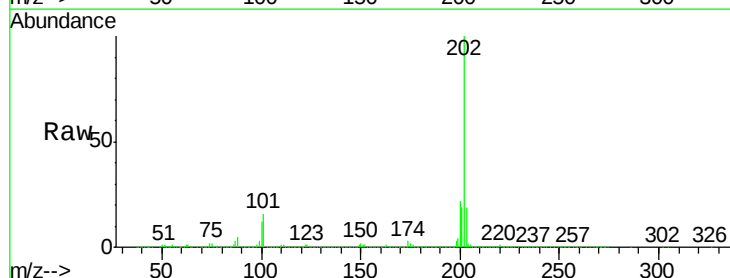
RT: 12.87 min Scan# 1834

Delta R.T. 0.02 min

Lab File: BF103230.D

Acq: 26 Feb 2018 21:04

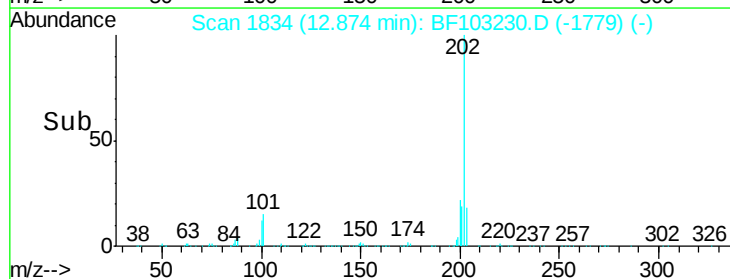
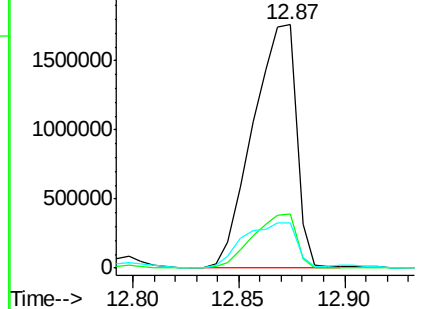
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.3	17.4	26.2	
203	18.7	14.3	21.5	

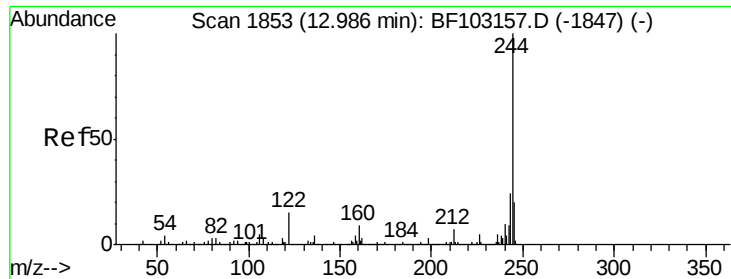


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





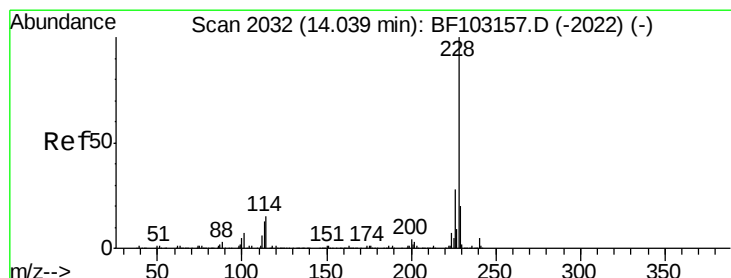
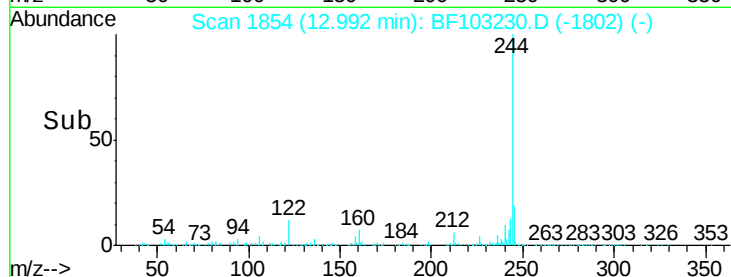
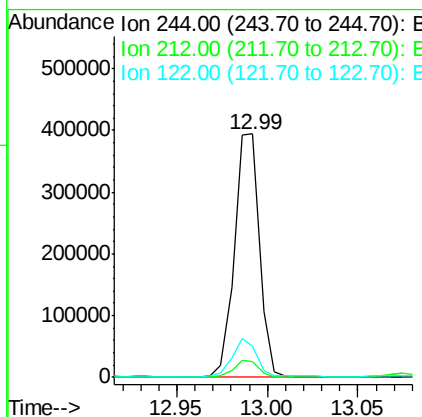
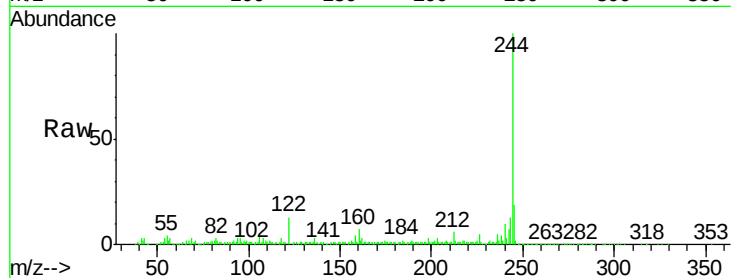
#78
 Terphenyl-d14
 Concen: 43.185 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: BF103230.D
 Acq: 26 Feb 2018 21:04

Instrument :
 BNA_F
 ClientSampled :
 B11

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	12.8	11.0	16.4

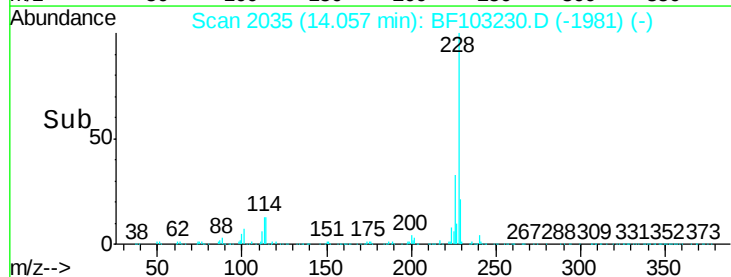
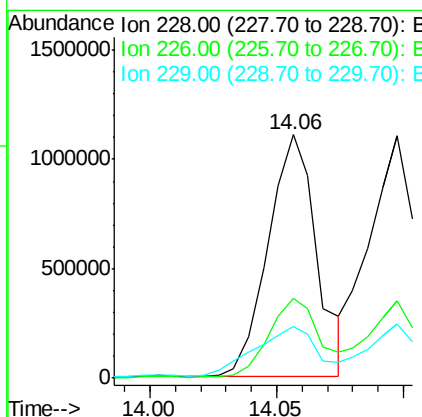
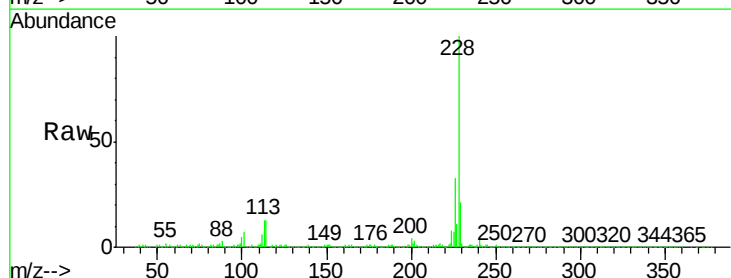
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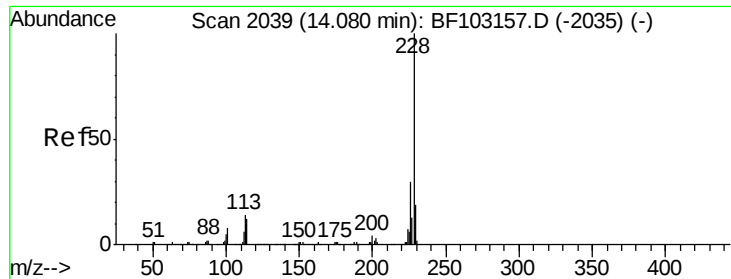
Sohil
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#80
 Benzo(a)anthracene
 Concen: 108.935 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.02 min
 Lab File: BF103230.D
 Acq: 26 Feb 2018 21:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.6	33.8
229	21.4	15.8	23.6





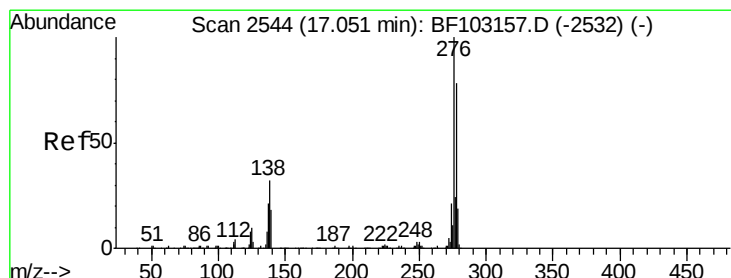
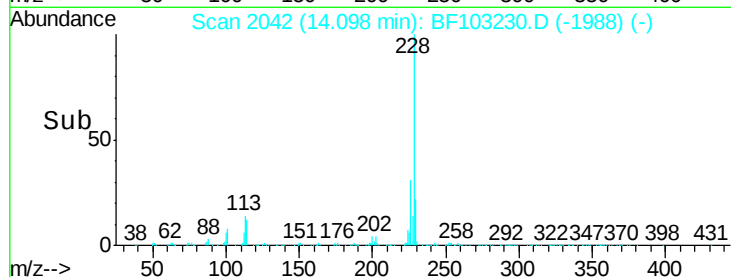
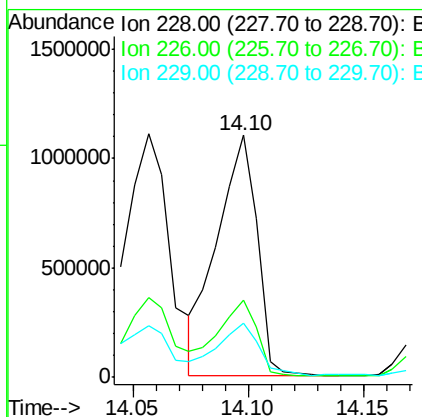
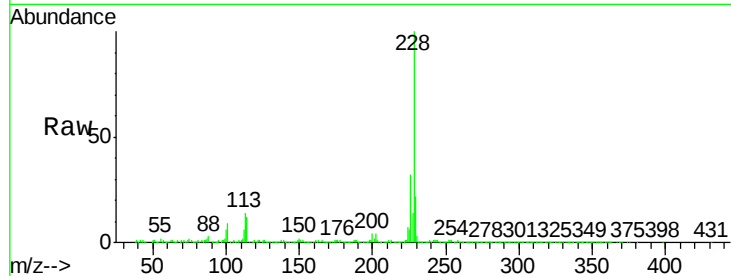
#82
Chrysene
Concen: 100.216 ng
RT: 14.10 min Scan# 2042
Delta R.T. 0.02 min
Lab File: BF103230.D
Acq: 26 Feb 2018 21:04

Instrument :
BNA_F
ClientSampleId :
B11

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	22.3	16.2	24.4

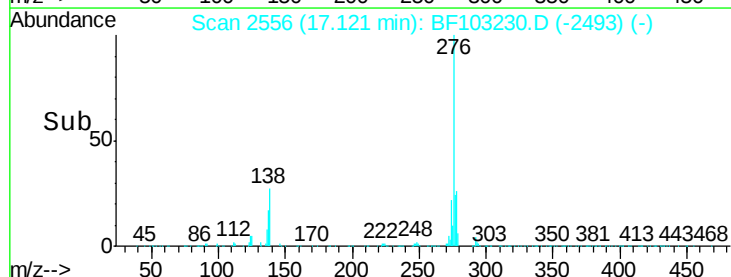
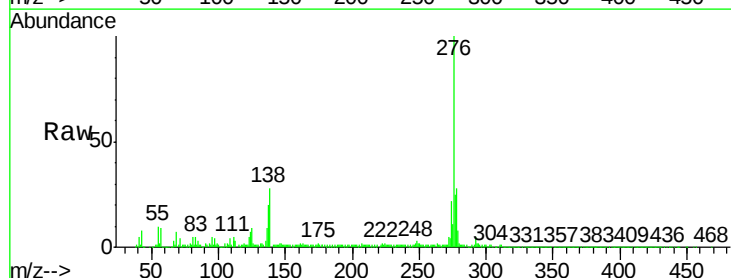
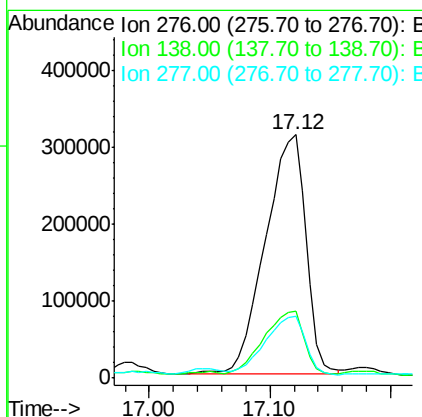
Manual Integrations
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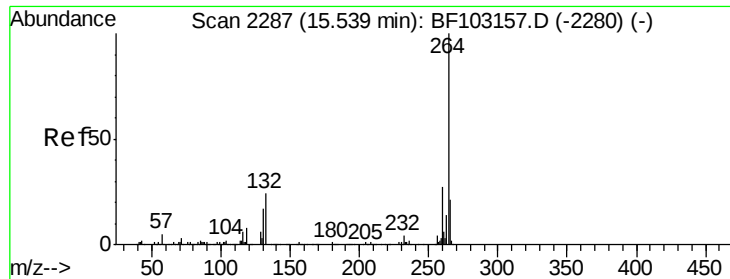
Sohil
2/27/2018 12:23:04 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 68.316 ng
RT: 17.12 min Scan# 2556
Delta R.T. 0.07 min
Lab File: BF103230.D
Acq: 26 Feb 2018 21:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	25.0	37.6
277	24.0	20.1	30.1





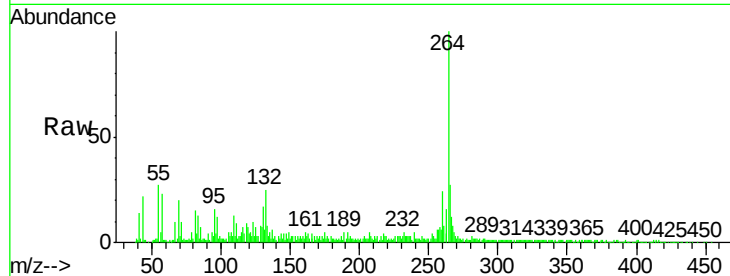
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.04 min
Lab File: BF103230.D
Acq: 26 Feb 2018 21:04

Instrument :
BNA_F
ClientSampleId :
B11

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	27.0	17.5	26.3

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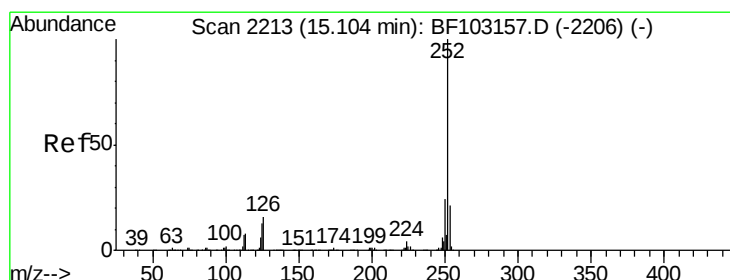
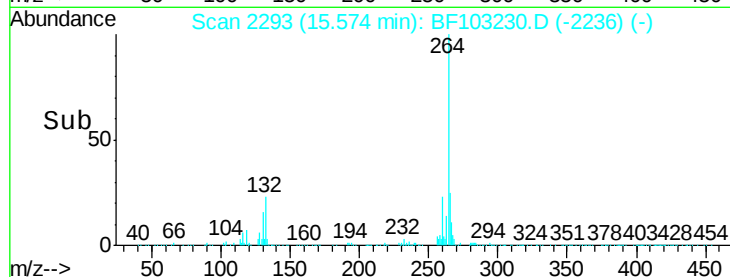
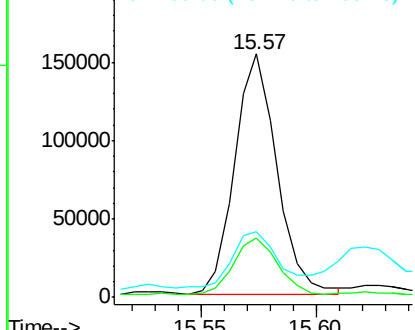


Abundance

Ion 264.00 (263.70 to 264.70): E

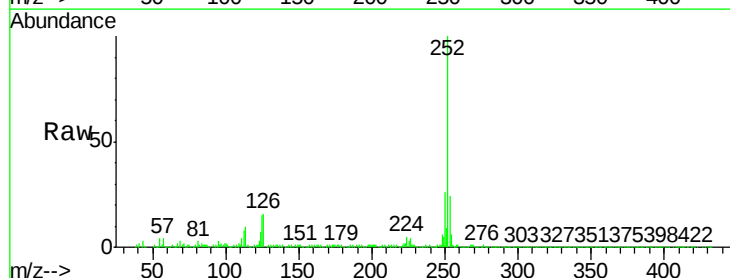
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 123.637 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.04 min
Lab File: BF103230.D
Acq: 26 Feb 2018 21:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	14.6	9.0	13.6

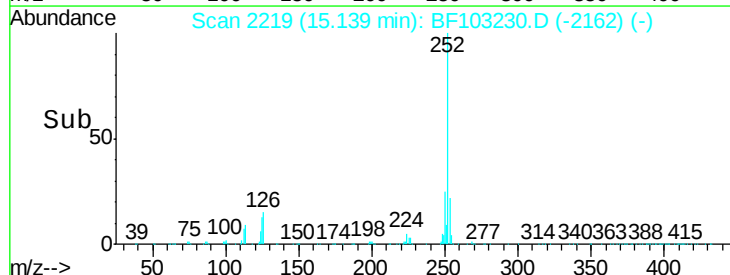
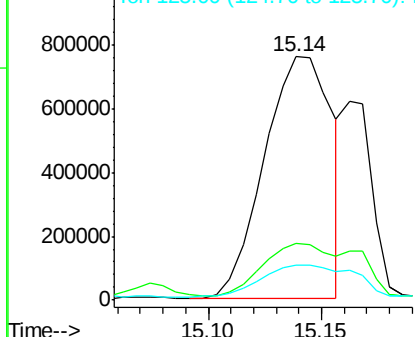


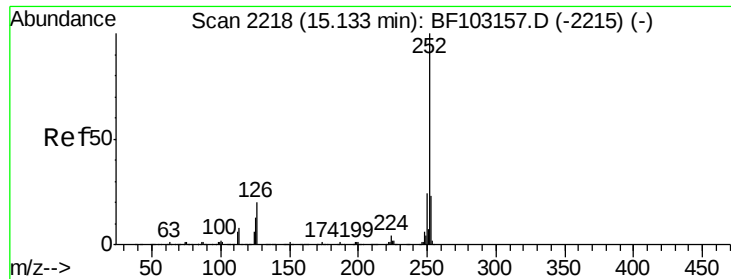
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





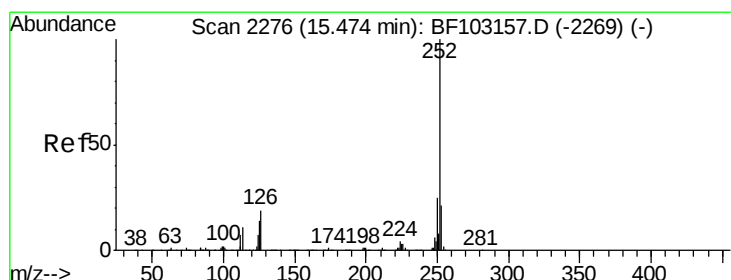
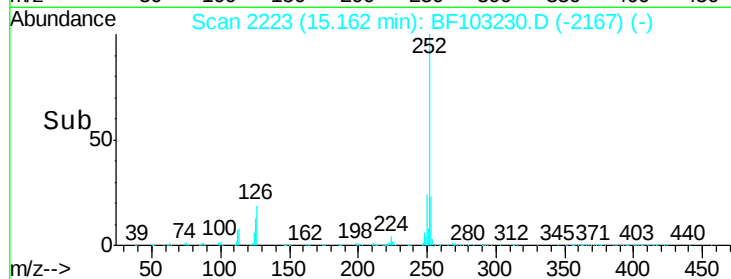
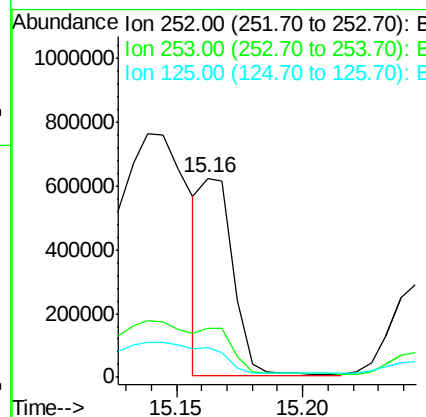
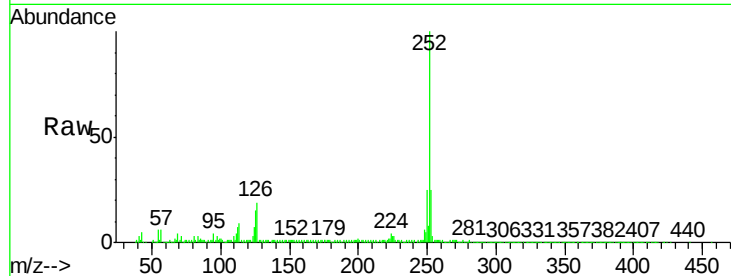
#88
Benzo(k)fluoranthene
Concen: 44.743 ng m
RT: 15.16 min Scan# 2223
Delta R.T. 0.03 min
Lab File: BF103230.D
Acq: 26 Feb 2018 21:04

Instrument :
BNA_F
ClientSampleId :
B11

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	14.8	10.2	15.2

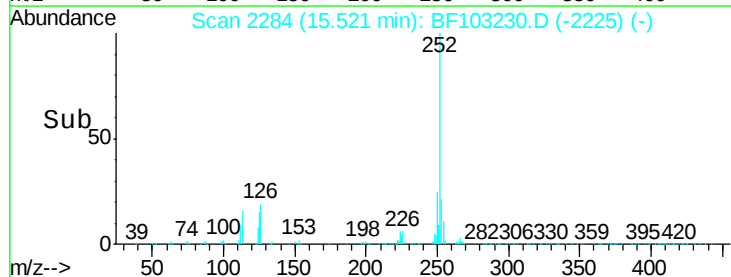
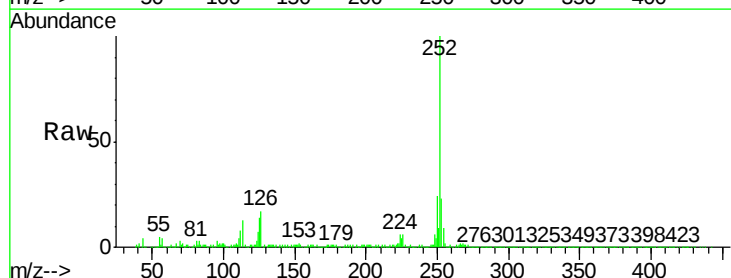
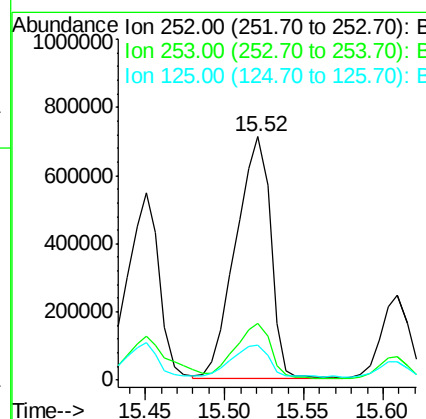
Manual Integrations
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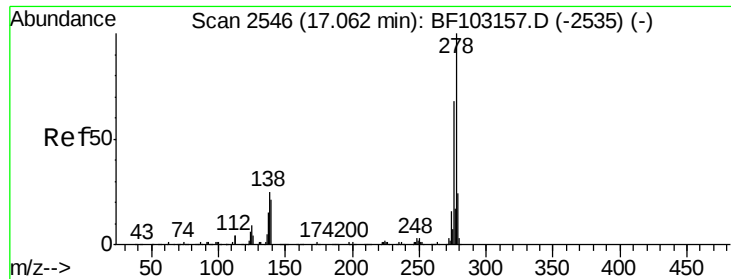
Sohil
2/27/2018 12:23:04 PM



#89
Benzo(a)pyrene
Concen: 94.979 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.05 min
Lab File: BF103230.D
Acq: 26 Feb 2018 21:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	14.2	9.8	14.6





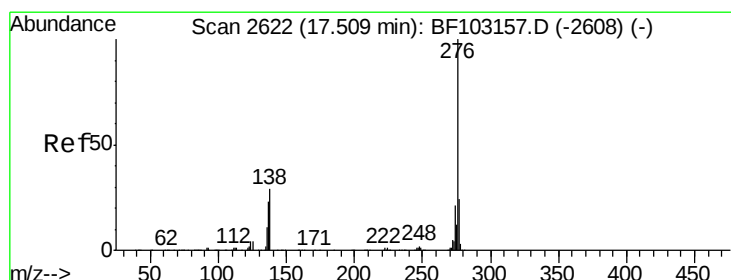
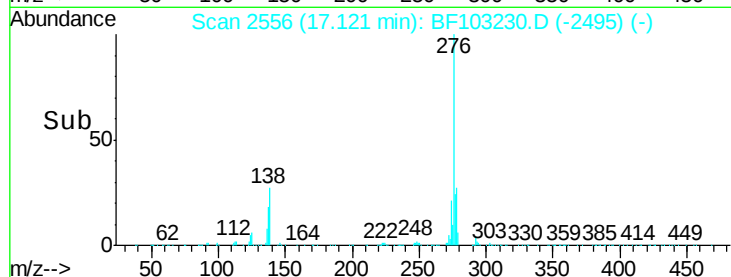
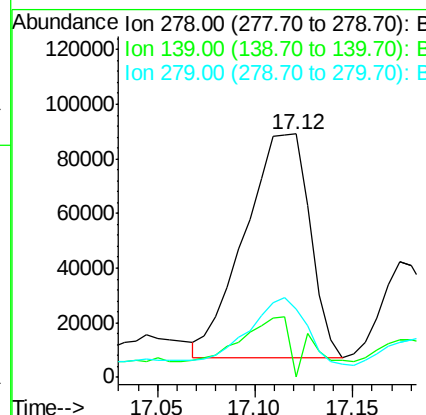
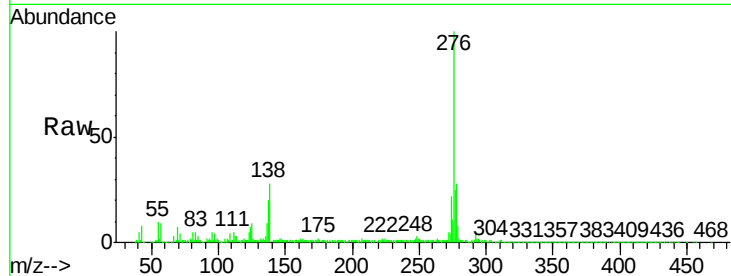
#90
Dibenzo(a,h)anthracene
Concen: 21.389 ng
RT: 17.12 min Scan# 2556
Delta R.T. 0.06 min
Lab File: BF103230.D
Acq: 26 Feb 2018 21:04

Instrument :
BNA_F
ClientSampleId :
B11

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	28.2	19.0	28.4

Manual Integrations
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2/27/2018 12:23:04 PM



#91
Benzo(g,h,i)perylene
Concen: 80.053 ng
RT: 17.59 min Scan# 2635
Delta R.T. 0.08 min
Lab File: BF103230.D
Acq: 26 Feb 2018 21:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	27.4	21.8	32.8

