

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
 Data File : BF098988.D
 Acq On : 1 Oct 2017 13:25
 Operator : SJ/JU
 Sample : I5487-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092717-C

Manual Integrations
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 10/2/2017 5:49:01 PM

Quant Time: Oct 02 05:27:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	137195	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	555344	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	224502	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	325719	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	249658	20.00	ng	-0.02
86) Perylene-d12	15.56	264	262753	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	874937	101.52	ng	-0.01
7) Phenol-d6	6.53	99	1052491	99.00	ng	-0.02
23) Nitrobenzene-d5	7.46	82	650355	75.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	158732	86.41	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1101900	81.94	ng	-0.02
78) Terphenyl-d14	13.02	244	686011	62.49	ng	-0.02
Target Compounds						
10) Phenol	6.54	94	24890	2.093	ng	Qvalue 95
48) Acenaphthylene	9.80	152	72659	3.276	ng	99
49) Dimethylphthalate	9.65	163	186760	11.022	ng	100
70) Phenanthrene	11.45	178	53027	3.041	ng	97
74) Fluoranthene	12.64	202	117654	6.664	ng	100
77) Pyrene	12.87	202	153280	8.052	ng	100
80) Benzo(a)anthracene	14.06	228	119536m	7.907	ng	
82) Chrysene	14.09	228	107988	7.503	ng	98
85) Indeno(1,2,3-cd)pyrene	17.07	276	117743	10.227	ng	96
87) Benzo(b)fluoranthene	15.12	252	212251m	13.138	ng	
88) Benzo(k)fluoranthene	15.14	252	66681m	4.179	ng	
89) Benzo(a)pyrene	15.50	252	166042	11.197	ng	96
90) Dibenzo(a,h)anthracene	17.07	278	29745	2.506	ng	# 79
91) Benzo(g,h,i)perylene	17.53	276	119304	10.170	ng	94

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

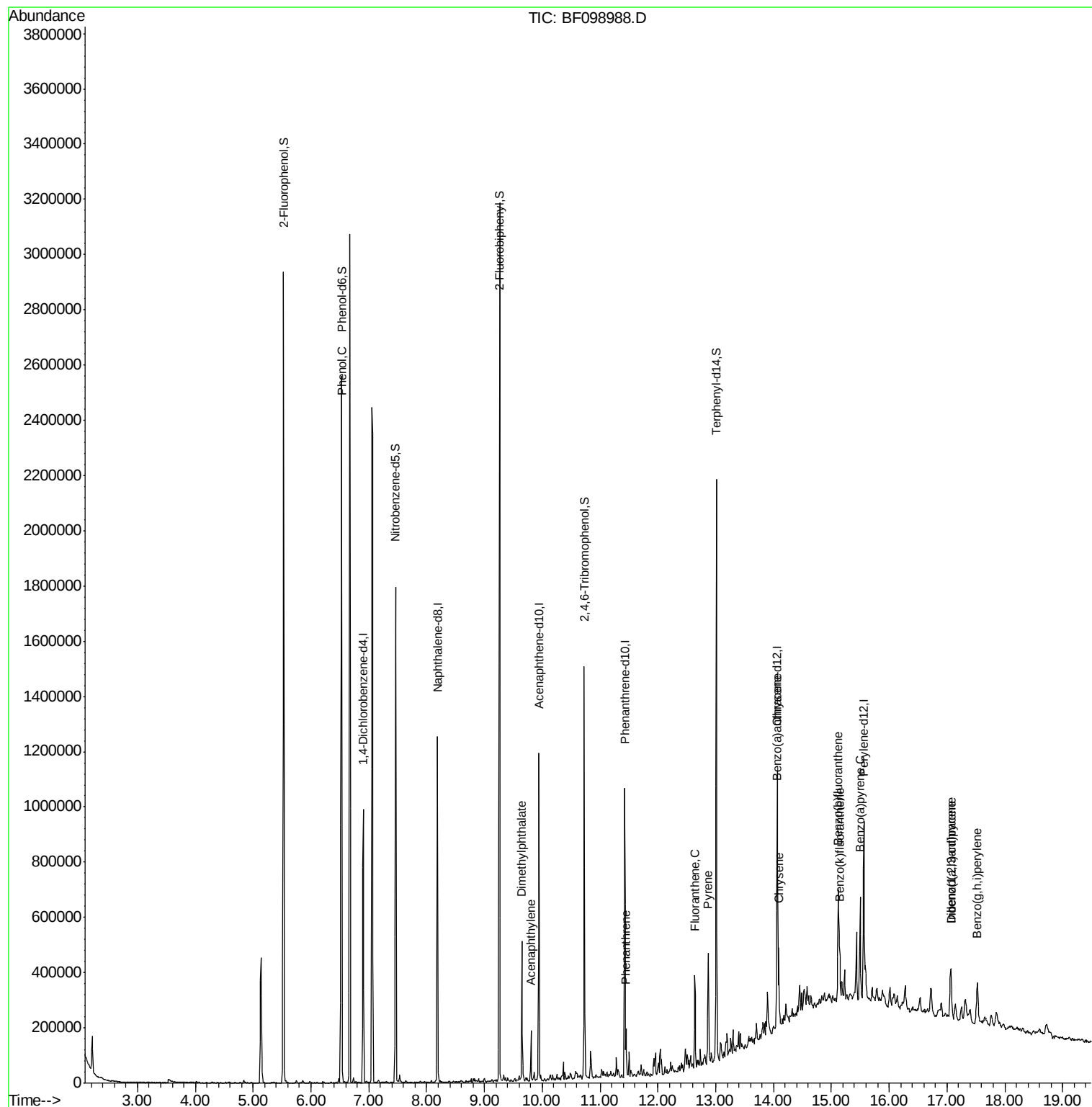
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
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#1

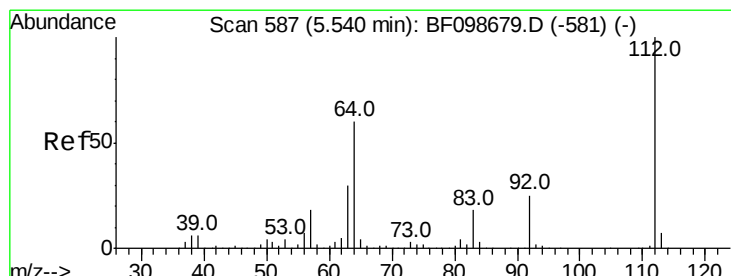
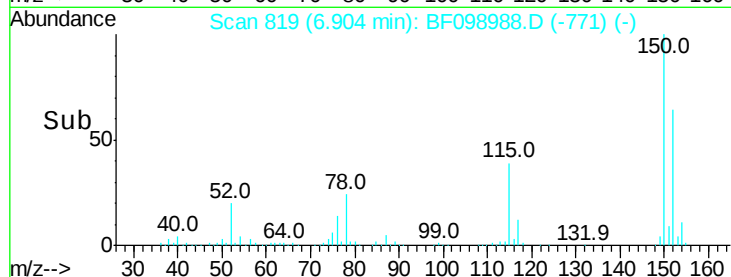
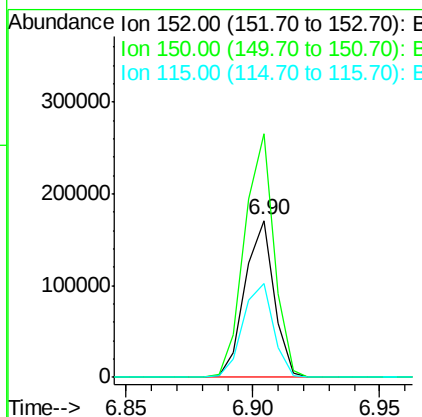
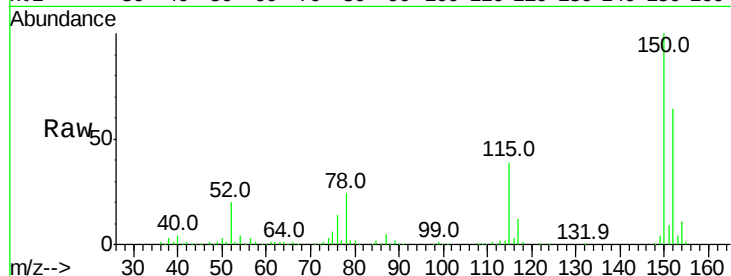
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
CL-02-092717-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	59.9	50.1	75.1

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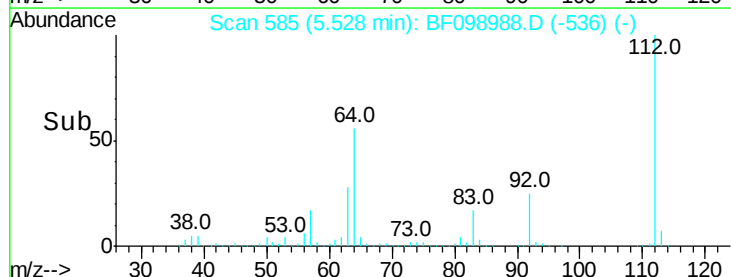
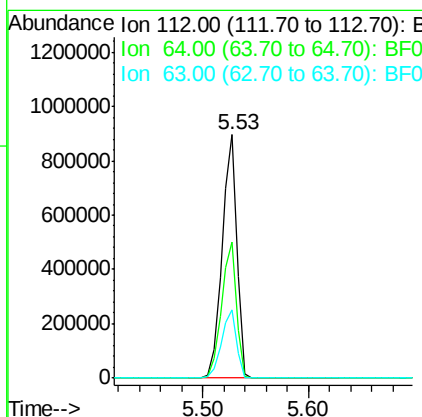
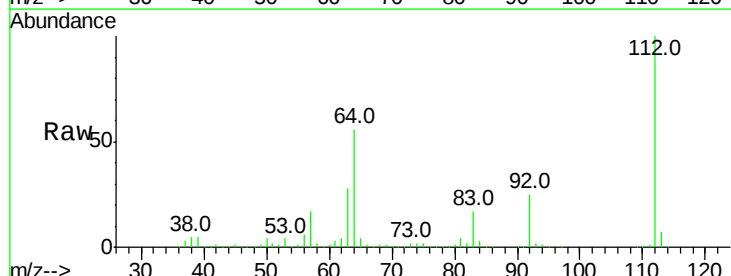
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#5

2-Fluorophenol
Concen: 101.521 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 98.996 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Instrument :

BNA_F

ClientSampleId :

CL-02-092717-C

Tot Ion: 99 Resp: 1052491

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

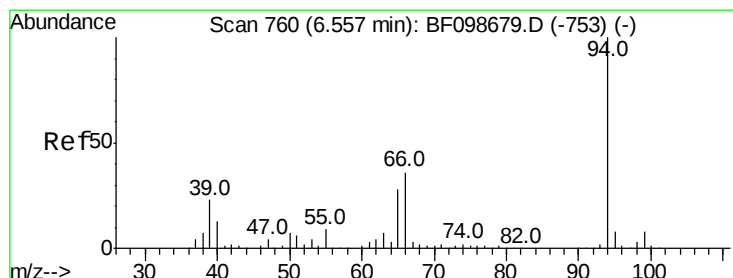
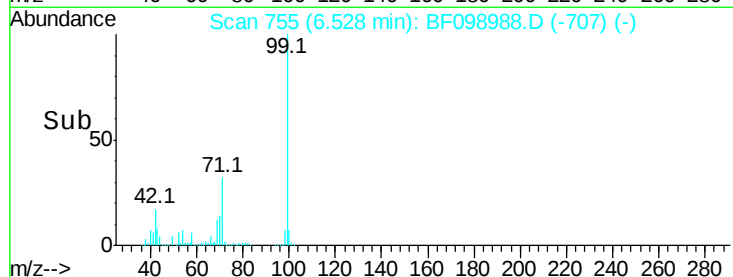
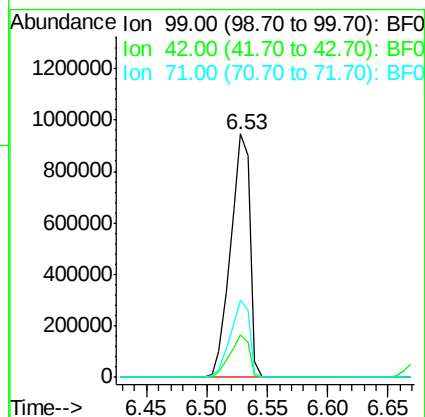
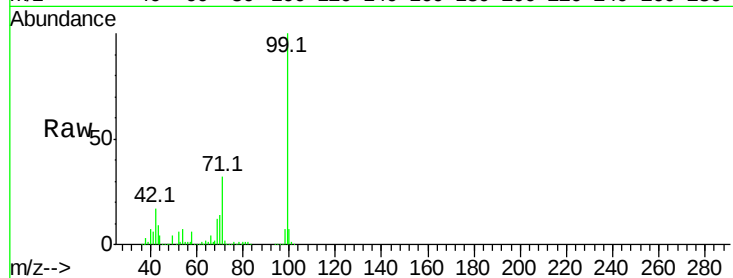
71 31.8 25.4 38.0

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#10

Phenol

Concen: 2.093 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

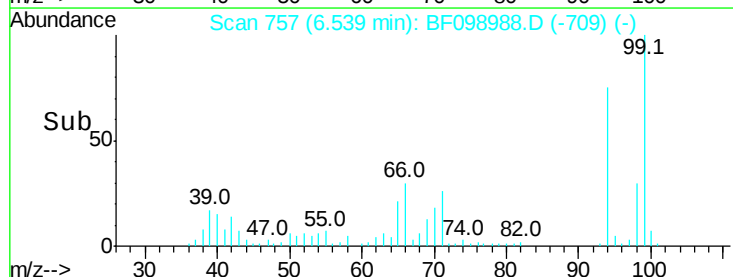
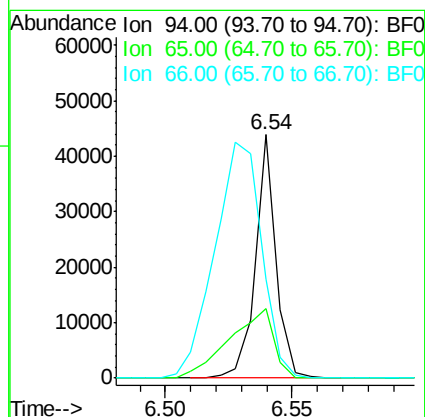
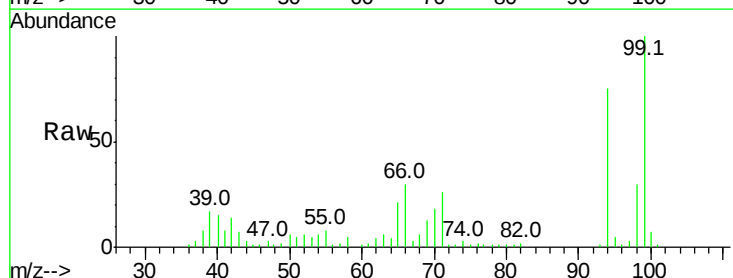
Tgt Ion: 94 Resp: 24890

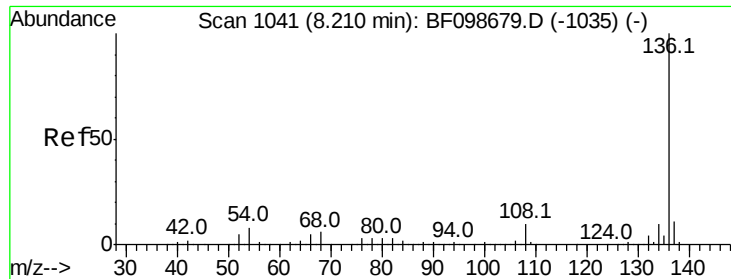
Ion Ratio Lower Upper

94 100

65 28.3 7.9 47.9

66 40.9 16.2 56.2





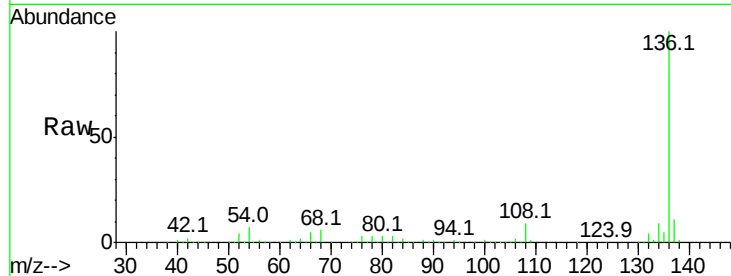
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
CL-02-092717-C

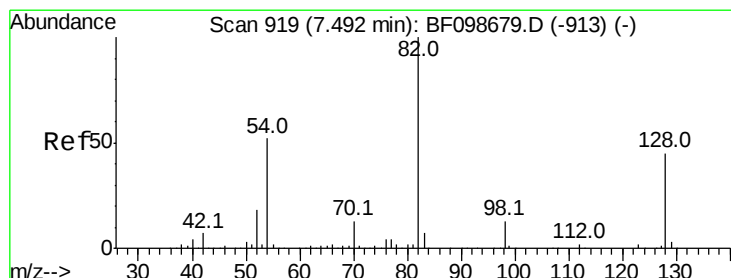
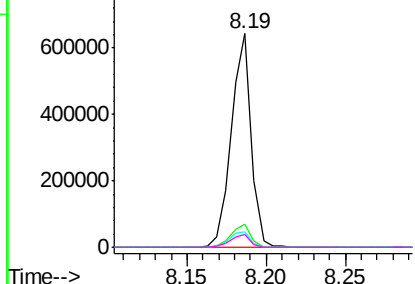
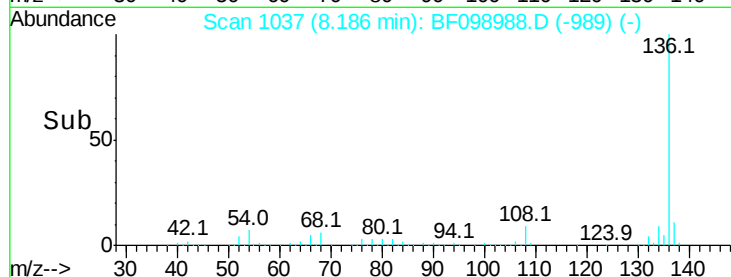
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	7.3	6.6	9.8	
68	5.8	5.0	7.4	

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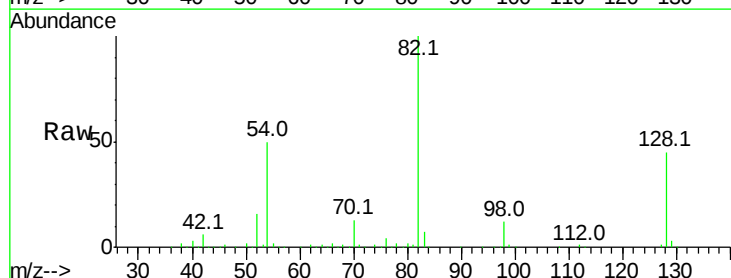


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

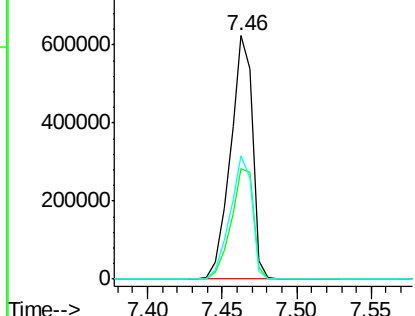
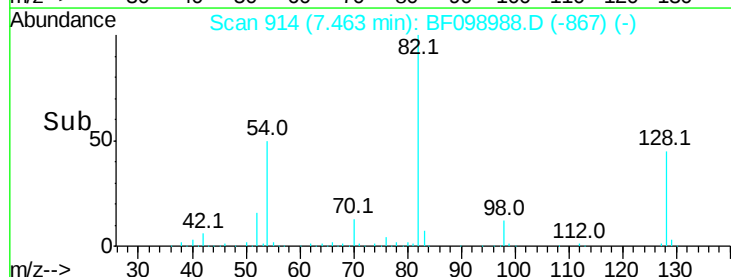


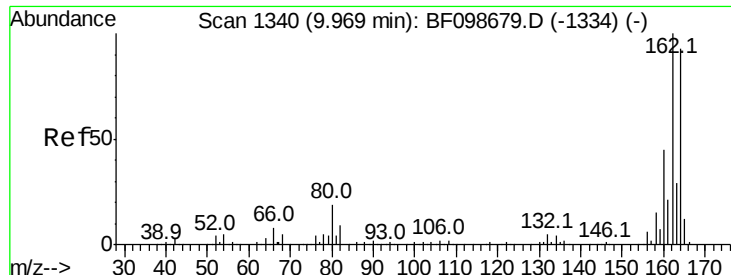
#23
Nitrobenzene-d5
Concen: 75.102 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.2	36.1	54.1	
54	50.4	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





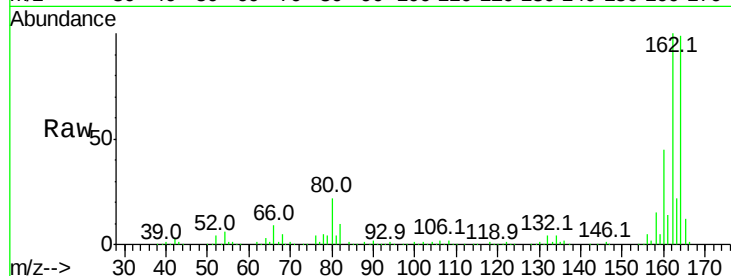
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
CL-02-092717-C

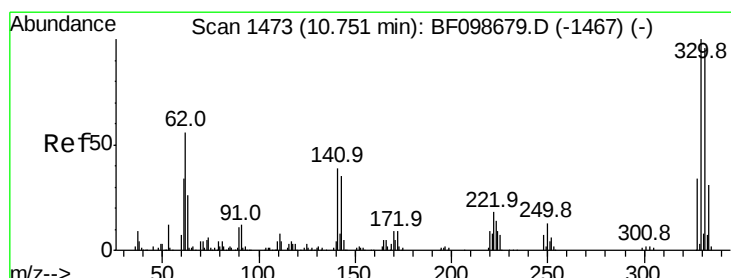
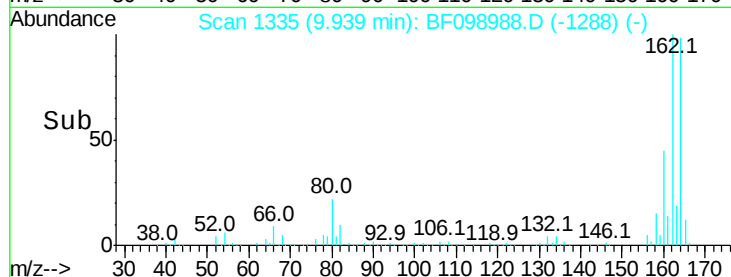
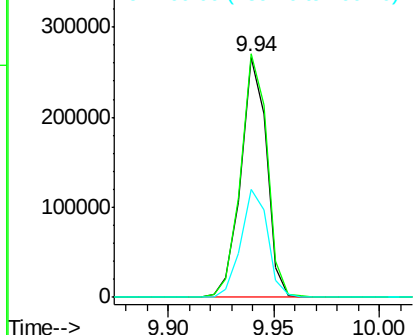
Tot Ion	Ratio	Resp	Lower	Upper
164	100	224502		
162	101.5	86.1	129.1	
160	45.2	38.3	57.5	

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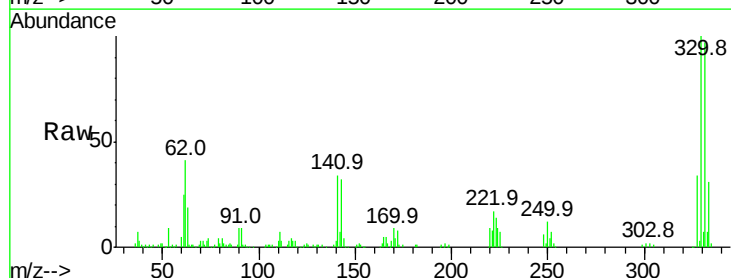


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

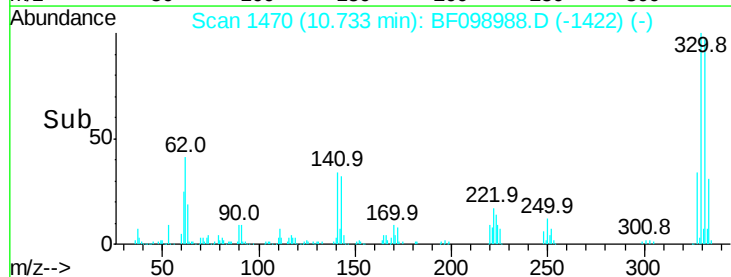
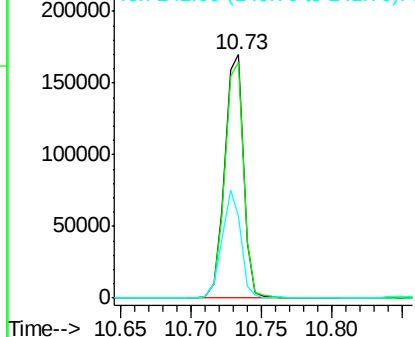


#41
2,4,6-Tribromophenol
Concen: 86.407 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	158732		
332	96.8	77.0	115.6	
141	44.5	29.9	44.9	



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





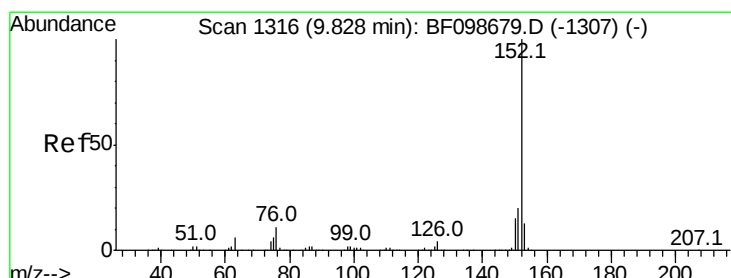
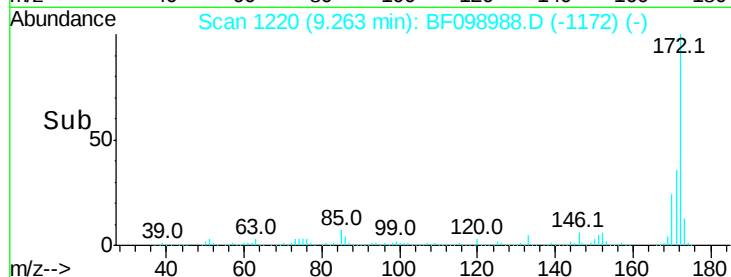
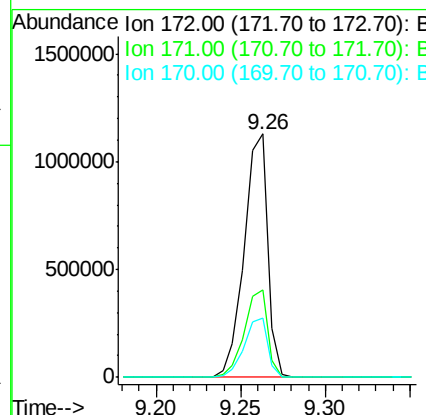
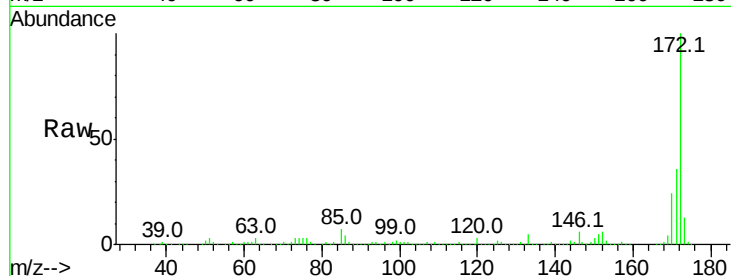
#44
 2-Fluorobiphenyl
 Concen: 81.938 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098988.D
 Acq: 1 Oct 2017 13:25

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092717-C

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.2	19.6	29.4

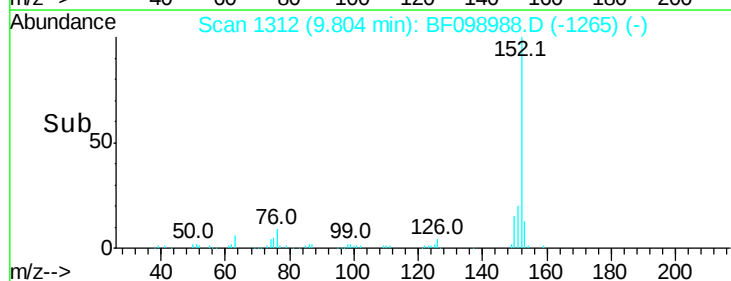
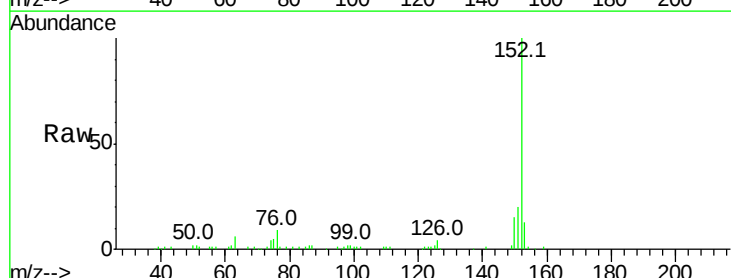
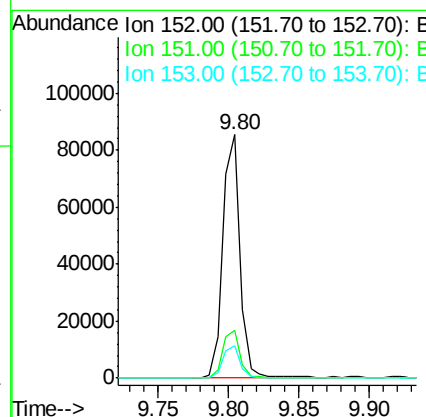
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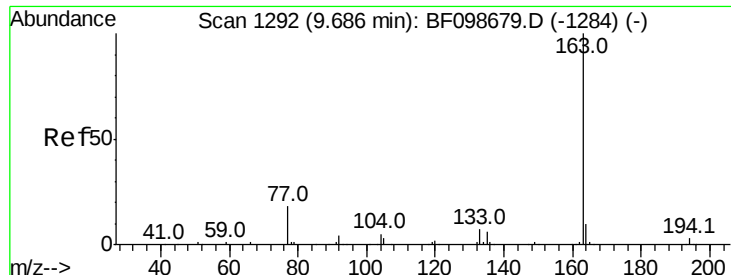
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#48
 Acenaphthylene
 Concen: 3.276 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: BF098988.D
 Acq: 1 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5
153	13.2	10.7	16.1





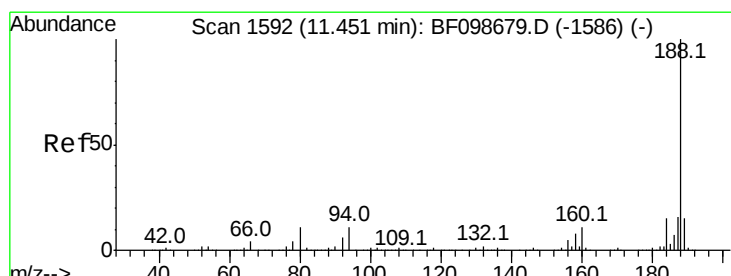
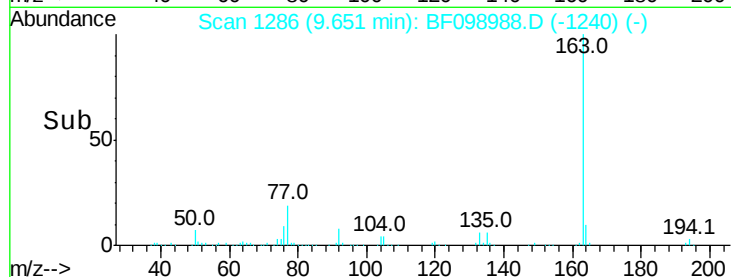
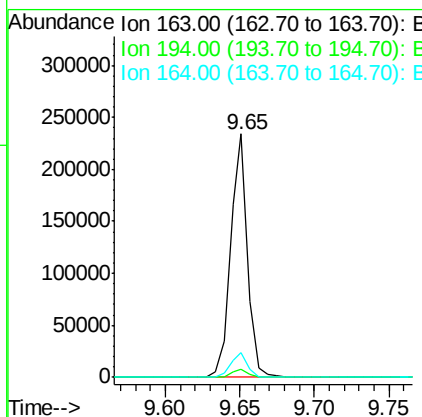
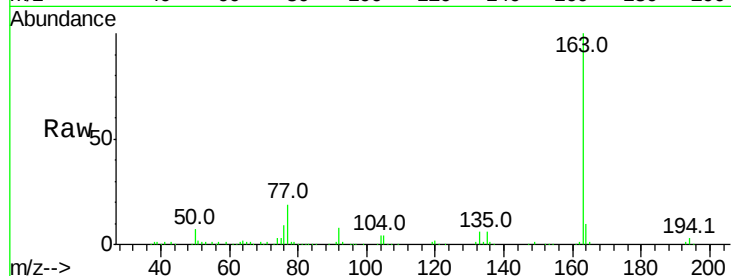
#49
Dimethylphthalate
Concen: 11.022 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.03 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
CL-02-092717-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	186760		
194	3.4		2.7	4.1
164	10.0		8.2	12.2

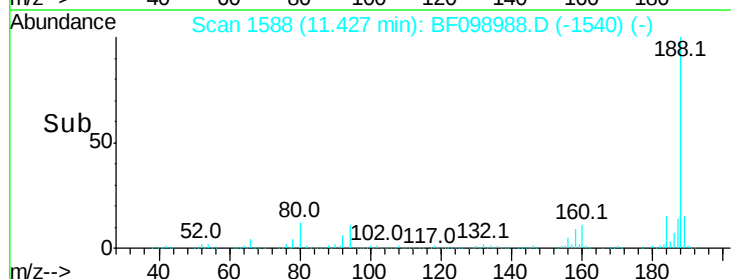
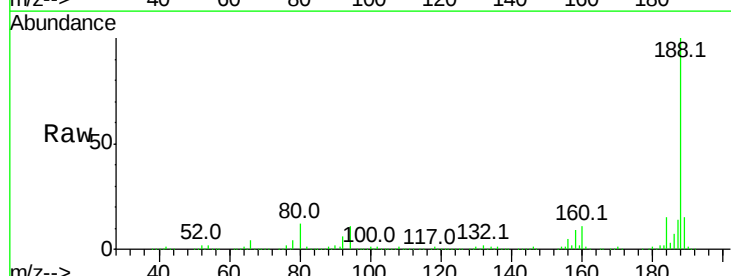
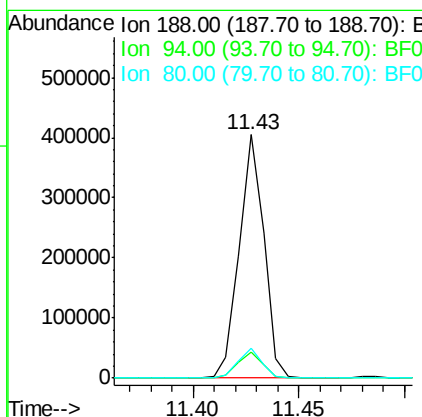
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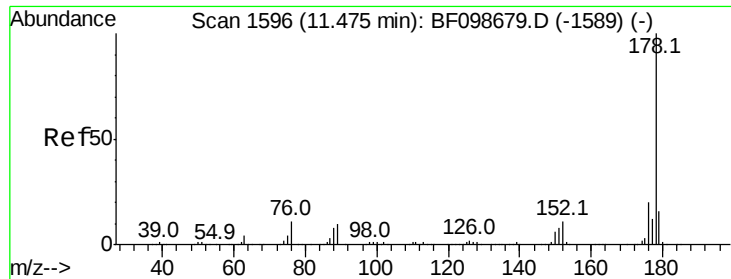
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	325719		
94	10.8		8.5	12.7
80	12.3		9.2	13.8





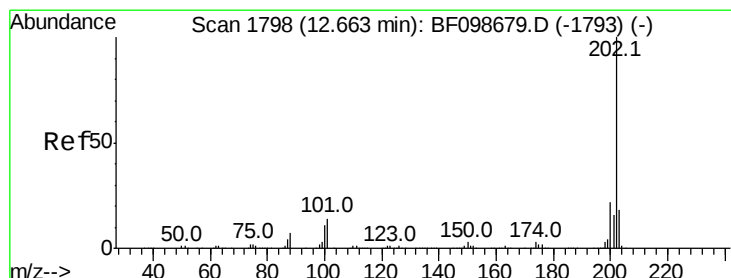
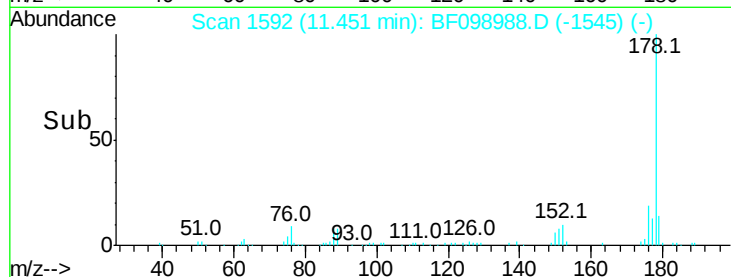
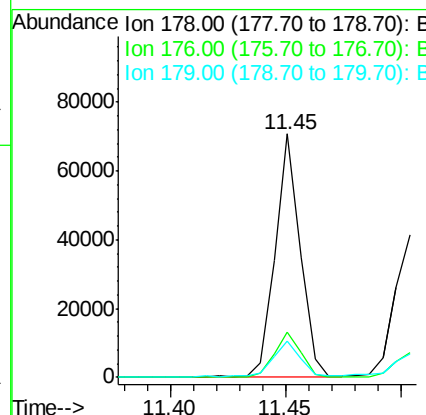
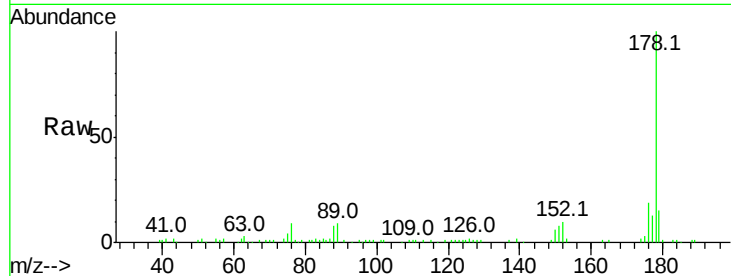
#70
Phenanthrene
Concen: 3.041 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
CL-02-092717-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	14.7	13.0	19.6

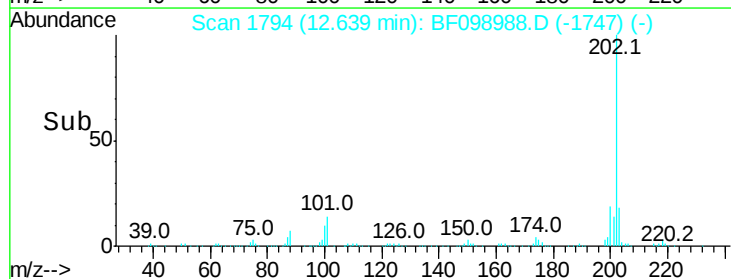
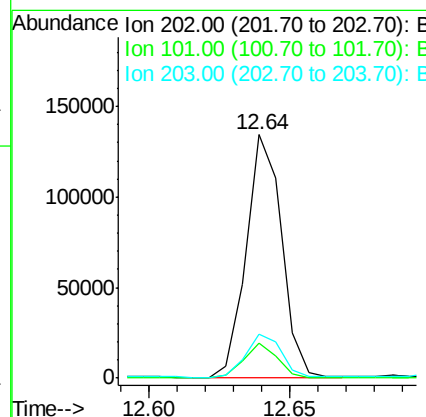
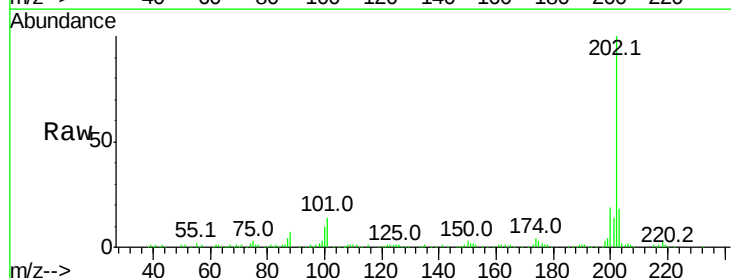
Manual Integrations
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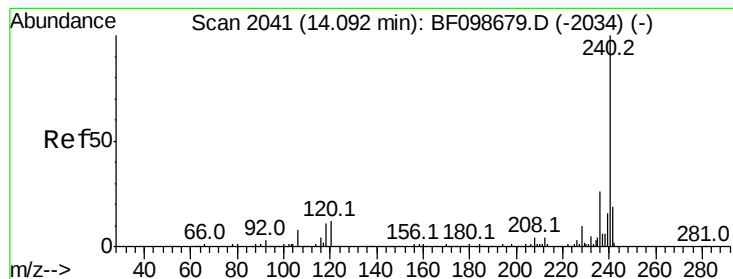
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#74
Fluoranthene
Concen: 6.664 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.1
203	18.1	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: BF098988.D

Acq: 1 Oct 2017 13:25

Instrument :

BNA_F

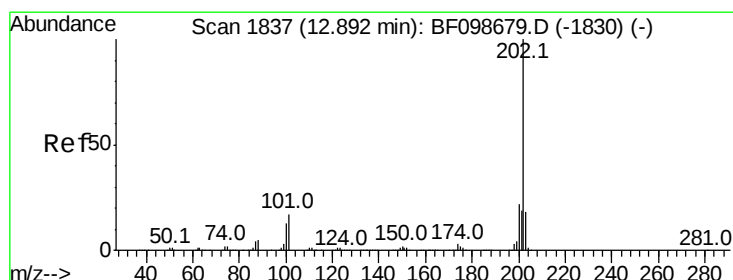
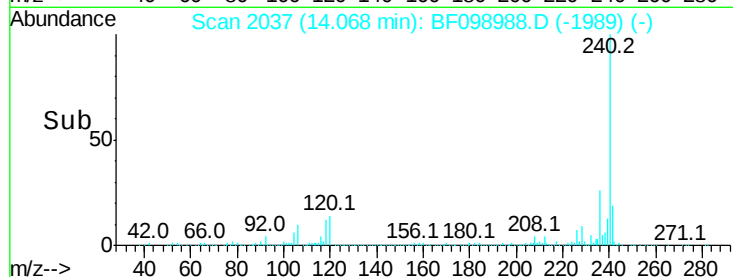
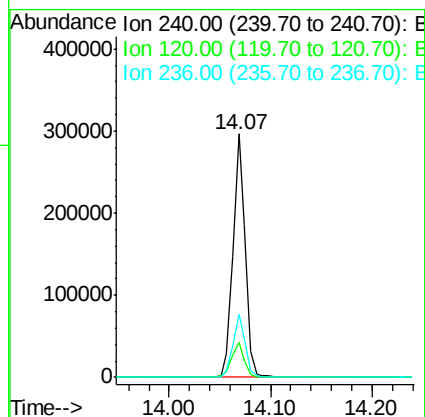
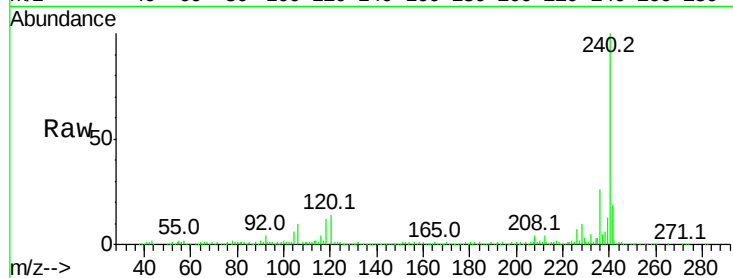
ClientSampleId :

CL-02-092717-C

Tot Ion:	240	Resp:	249658
Ion Ratio	Lower	Upper	
240	100		
120	14.1	9.5	14.3
236	26.0	20.7	31.1

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#77

Pyrene

Concen: 8.052 ng

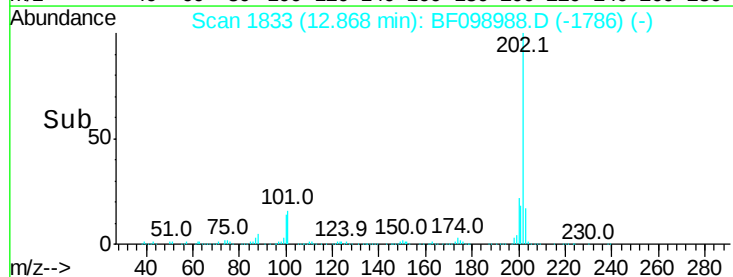
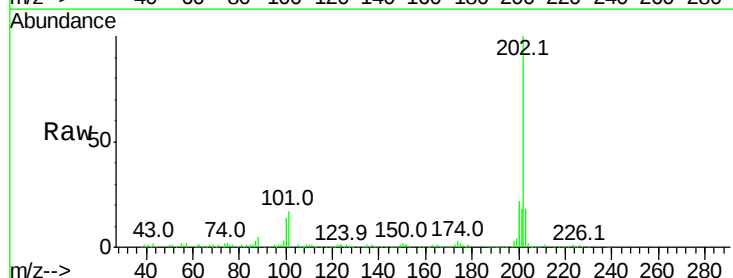
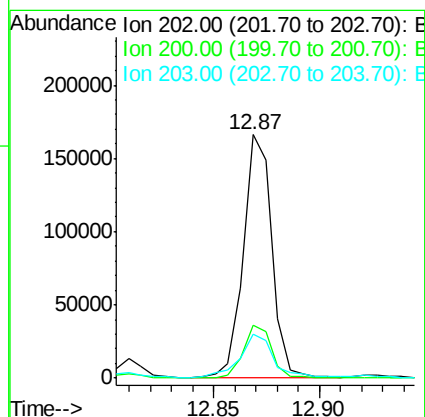
RT: 12.87 min Scan# 1833

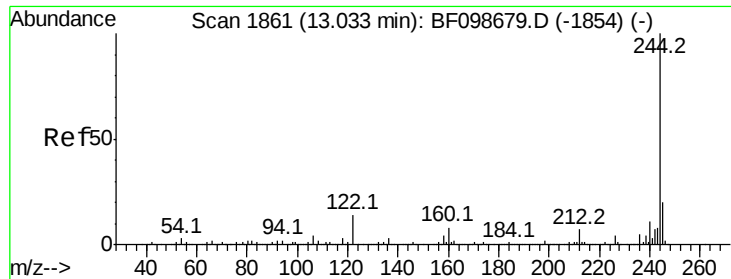
Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Tgt Ion:	202	Resp:	153280
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	17.9	14.3	21.5





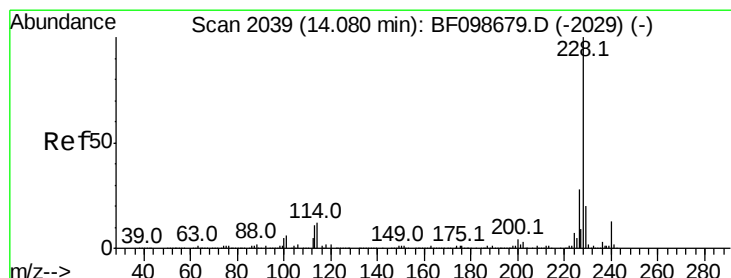
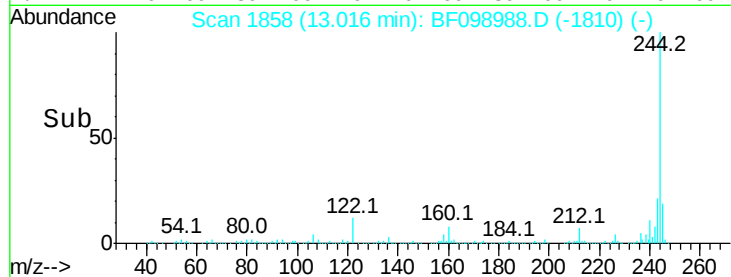
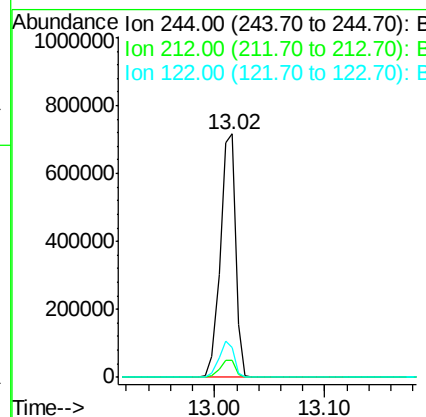
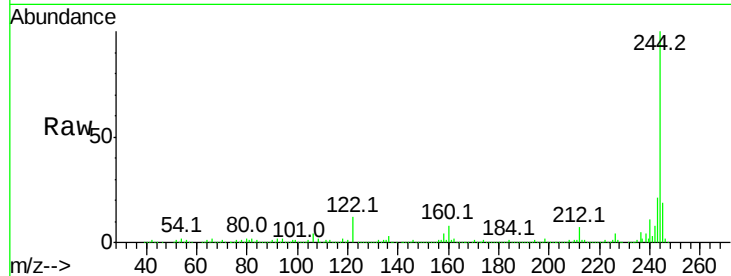
#78
 Terphenyl-d14
 Concen: 62.491 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. -0.02 min
 Lab File: BF098988.D
 Acq: 1 Oct 2017 13:25

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092717-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.4	11.0	16.4

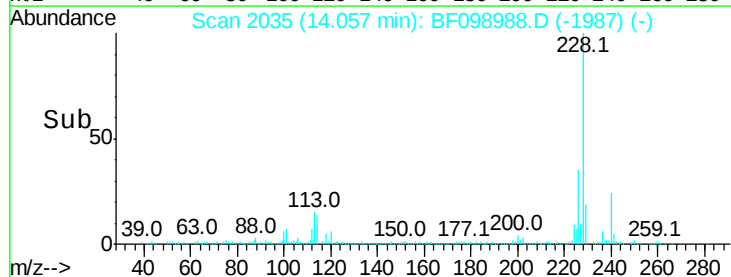
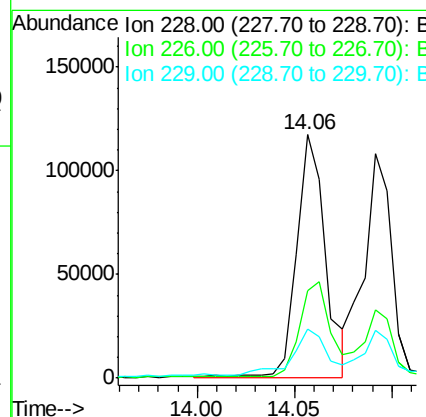
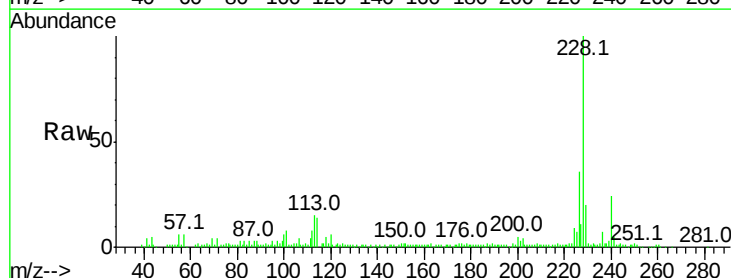
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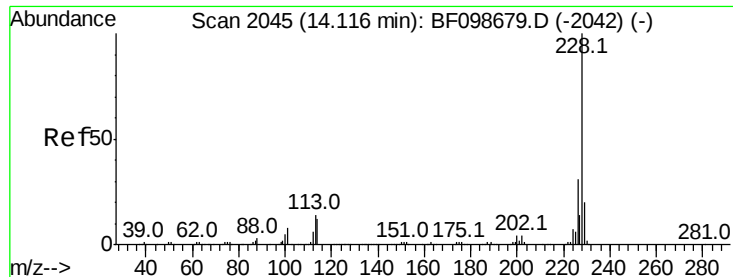
Sohil
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#80
 Benzo(a)anthracene
 Concen: 7.907 ng m
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.02 min
 Lab File: BF098988.D
 Acq: 1 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.6	33.8#
229	20.3	15.8	23.6





#82

Chrysene

Concen: 7.503 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Instrument :

BNA_F

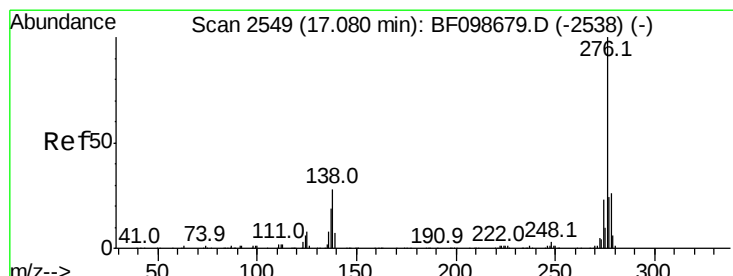
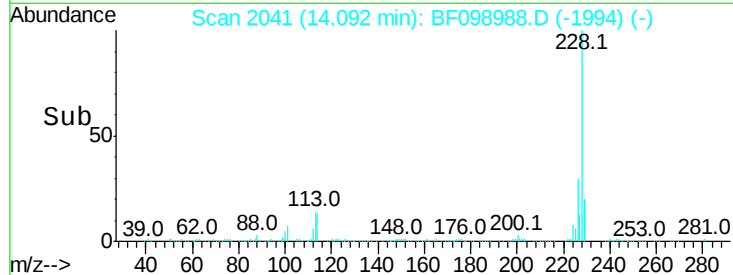
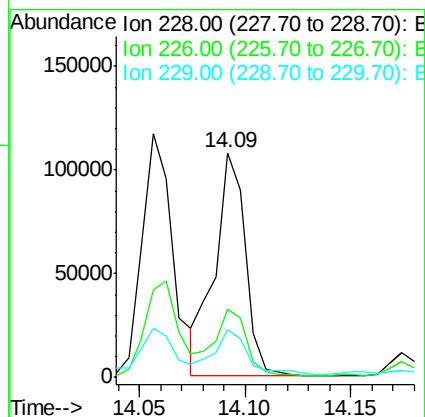
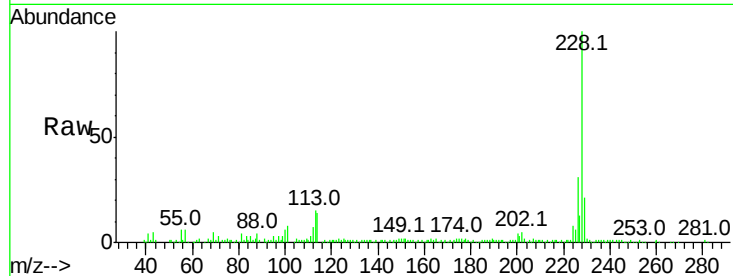
ClientSampleId :

CL-02-092717-C

Tot Ion:	228	Resp:	107988
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	21.3	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.227 ng

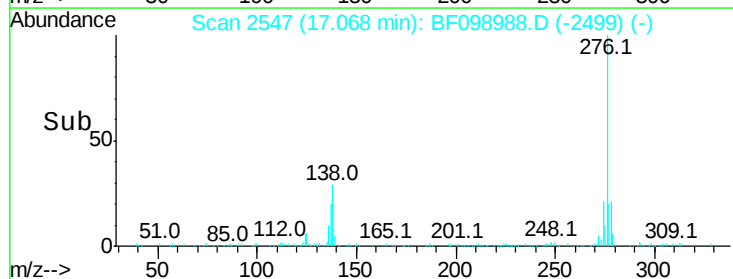
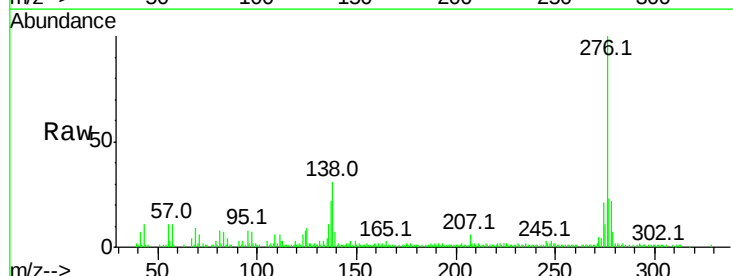
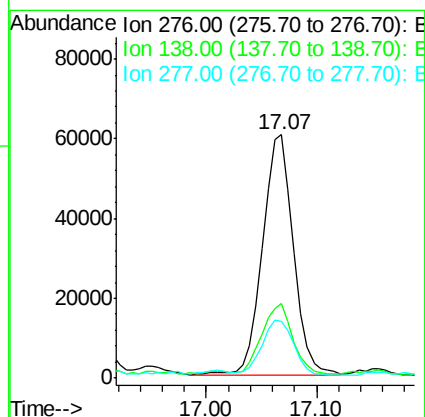
RT: 17.07 min Scan# 2547

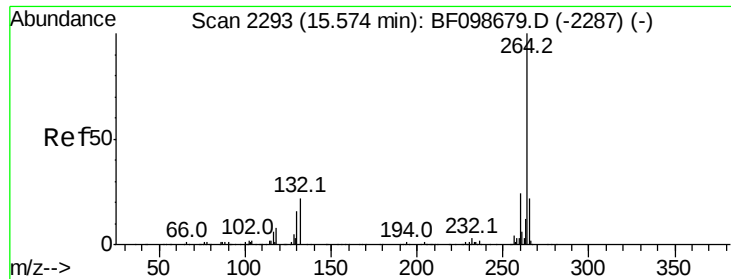
Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Tgt Ion:	276	Resp:	117743
Ion Ratio	Lower	Upper	
276	100		
138	28.9	25.0	37.6
277	23.9	20.1	30.1





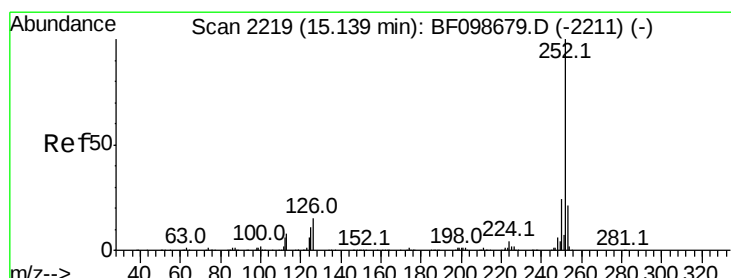
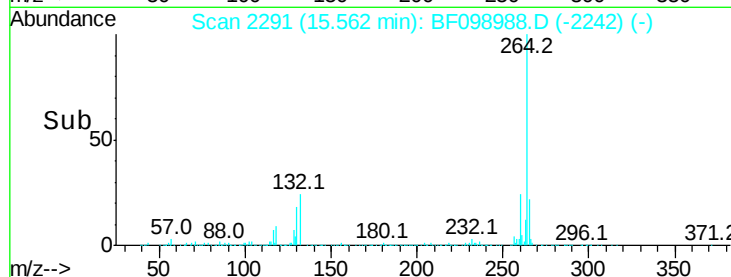
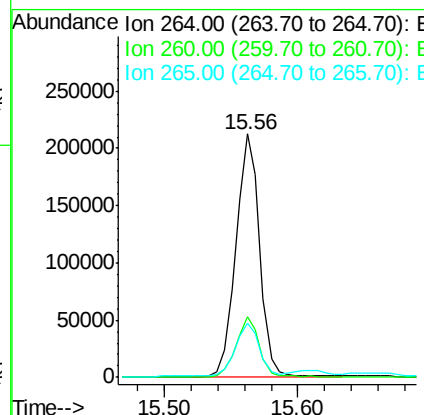
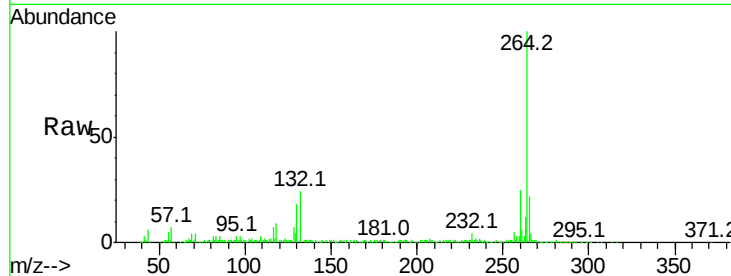
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
CL-02-092717-C

Tot Ion	Ratio	Resp	Lower	Upper
264	100	262753		
260	24.7	19.2	28.8	
265	22.5	17.5	26.3	

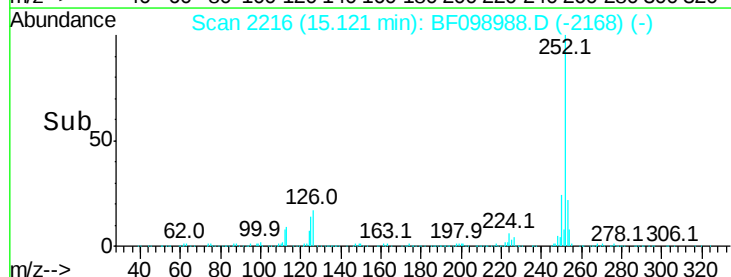
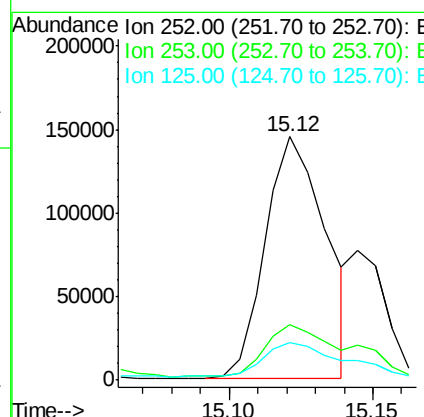
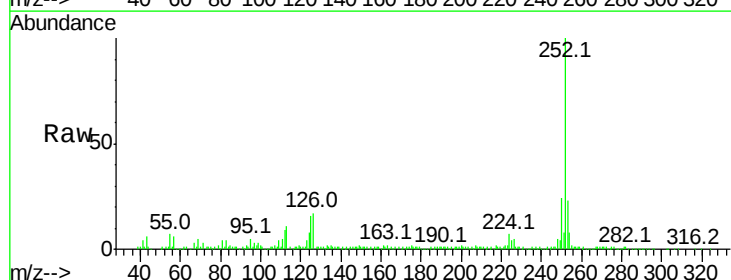
Manual Integrations
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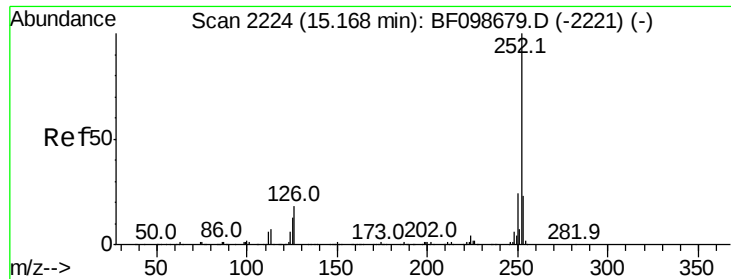
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#87
Benzo(b)fluoranthene
Concen: 13.138 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	212251		
253	22.8	17.0	25.6	
125	15.5	9.0	13.6	





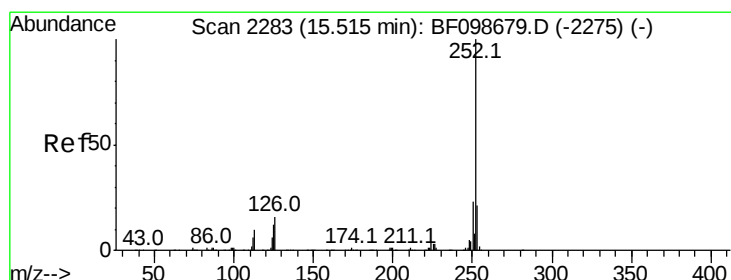
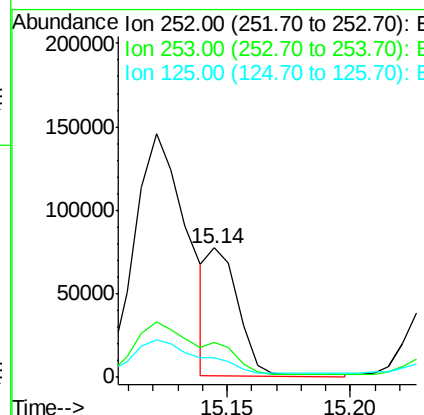
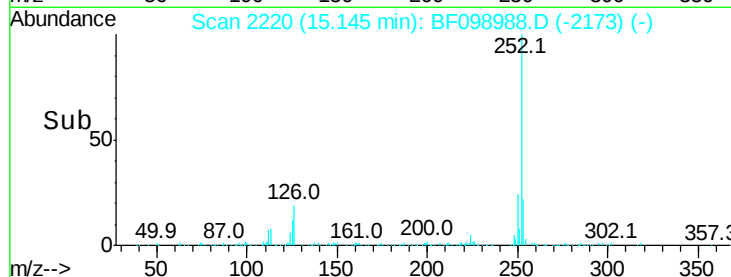
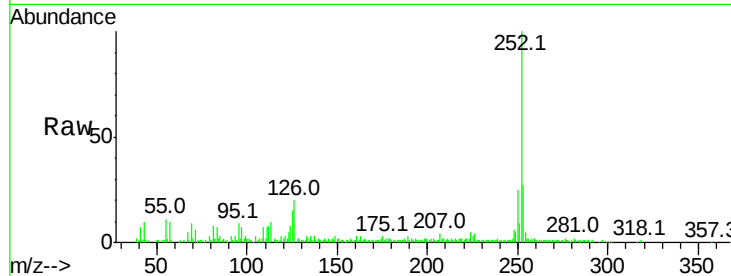
#88
Benzo(k)fluoranthene
Concen: 4.179 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
CL-02-092717-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.9	26.9#
125	15.1	10.2	15.2

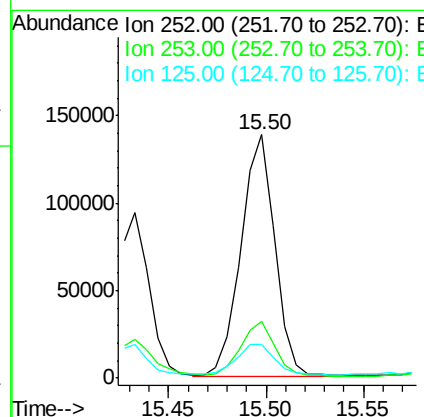
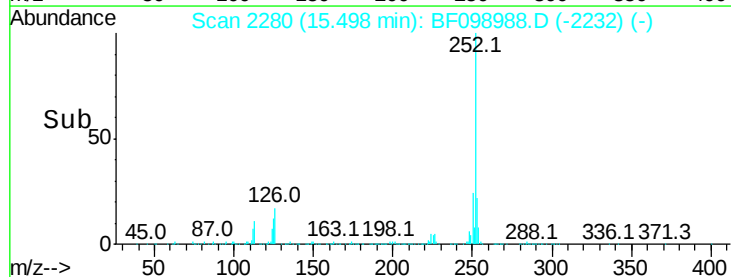
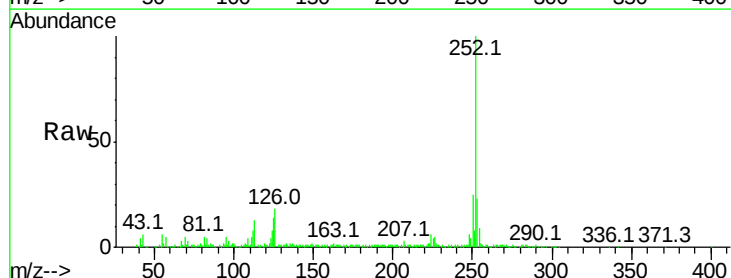
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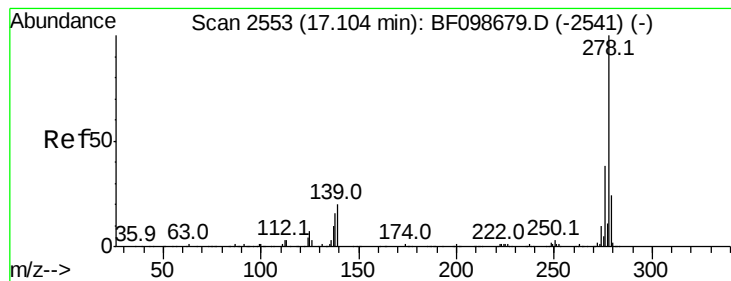
Sohil
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#89
Benzo(a)pyrene
Concen: 11.197 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	13.8	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.506 ng

RT: 17.07 min Scan# 2548

Delta R.T. -0.03 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Instrument :

BNA_F

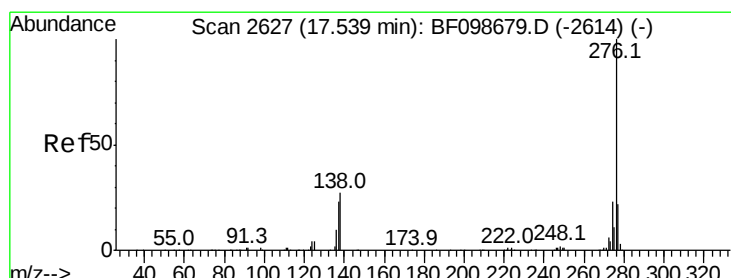
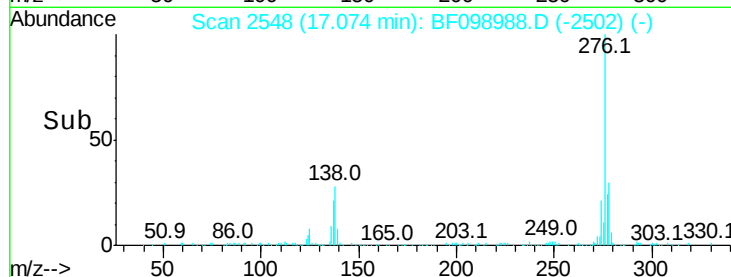
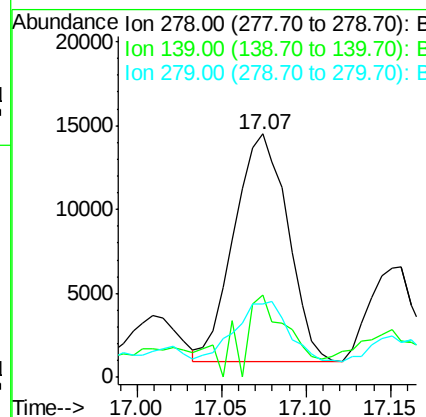
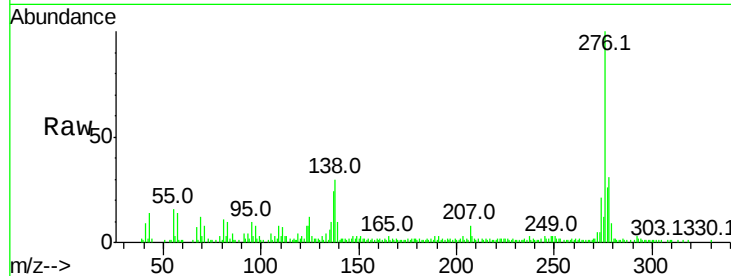
ClientSampleId :

CL-02-092717-C

Tot Ion:	278	Resp:	29745
Ion Ratio	Lower	Upper	
278	100		
139	34.0	15.9	23.9#
279	30.0	19.0	28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 10.170 ng

RT: 17.53 min Scan# 2625

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Tgt Ion:	276	Resp:	119304
Ion Ratio	Lower	Upper	
276	100		
277	24.0	17.9	26.9
138	31.4	21.8	32.8

