

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100792.D
 Acq On : 21 Nov 2017 20:34
 Operator : SJ/JU
 Sample : I6499-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PG1-1-E(0-1)

Manual Integrations
 APPROVED

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Quant Time: Nov 22 06:43:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	82729	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	316740	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	137490	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	216209	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	169786	20.00	ng	0.00
86) Perylene-d12	15.52	264	180585	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	633925	122.83	ng	0.00
7) Phenol-d6	6.50	99	778753	122.37	ng	0.00
23) Nitrobenzene-d5	7.44	82	480978	100.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	166771	119.04	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	894194	99.03	ng	-0.01
78) Terphenyl-d14	12.98	244	584756	79.13	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.52	94	34053	5.097	ng	98
48) Acenaphthylene	9.77	152	82351	5.760	ng	99
49) Dimethylphthalate	9.62	163	73725	7.023	ng	100
70) Phenanthrene	11.42	178	295280	25.939	ng	97
71) Anthracene	11.47	178	68550	5.935	ng	99
72) Carbazole	11.62	167	26977	2.531	ng	98
74) Fluoranthene	12.61	202	500470	41.483	ng	96
77) Pyrene	12.84	202	461097	38.098	ng	99
80) Benzo(a)anthracene	14.03	228	291223m	28.483	ng	
82) Chrysene	14.06	228	285574	28.843	ng	96
85) Indeno(1,2,3-cd)pyrene	17.00	276	155587	19.428	ng	# 90
87) Benzo(b)fluoranthene	15.08	252	375671m	35.114	ng	
88) Benzo(k)fluoranthene	15.11	252	137680m	13.620	ng	
89) Benzo(a)pyrene	15.45	252	259840	27.395	ng	96
90) Dibenzo(a,h)anthracene	17.00	278	40343	5.201	ng	97
91) Benzo(g,h,i)perylene	17.45	276	161951	21.329	ng	93

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

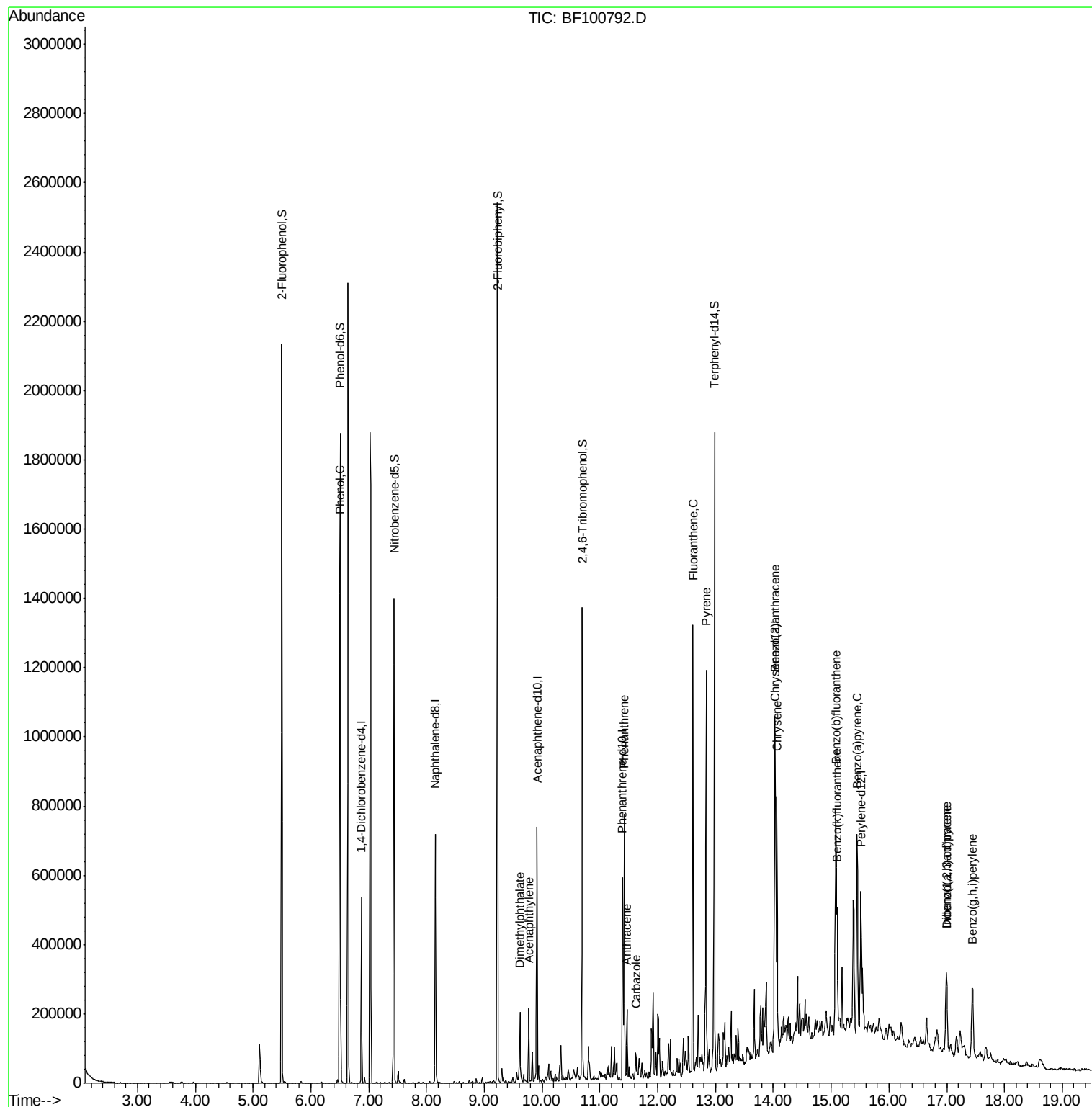
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
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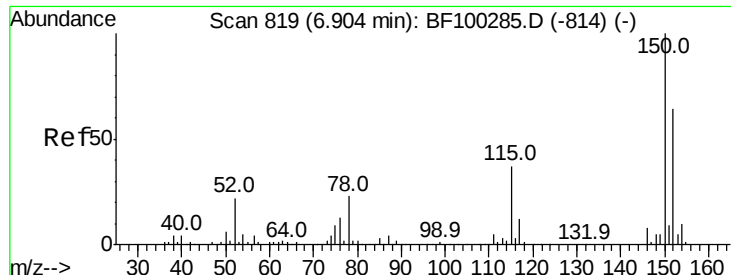
Instrument :
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ClientSampleId :
PG1-1-E(0-1)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

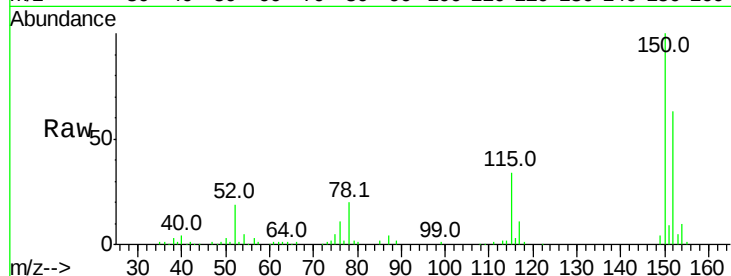
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Instrument :
BNA_F
ClientSampleId :
PG1-1-E(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	53.8	50.1	75.1

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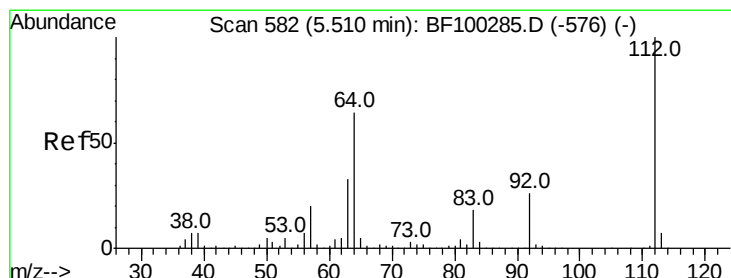
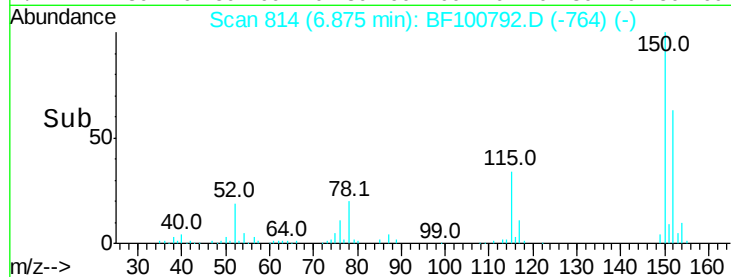
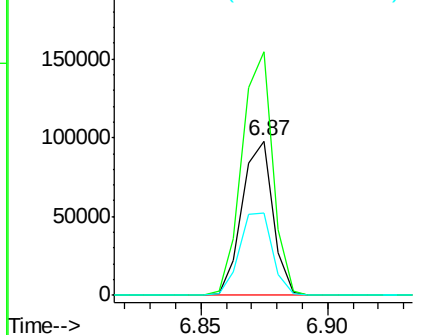


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

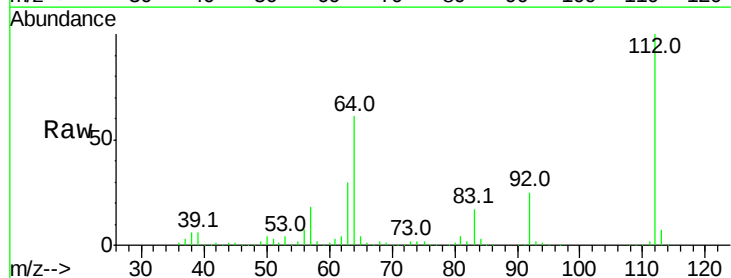
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 122.832 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.9	71.9
63	30.4	23.7	35.5

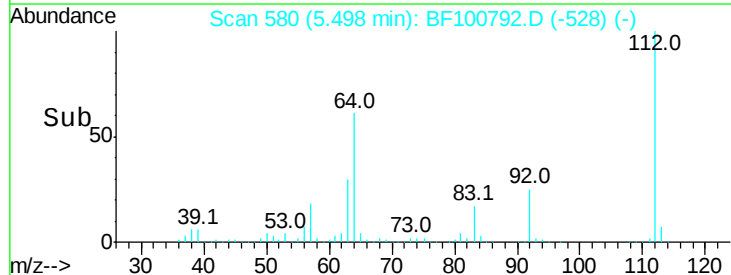
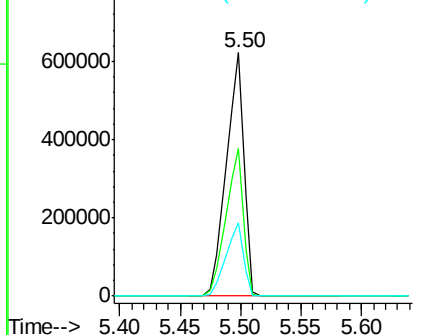


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 122.367 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Instrument :

BNA_F

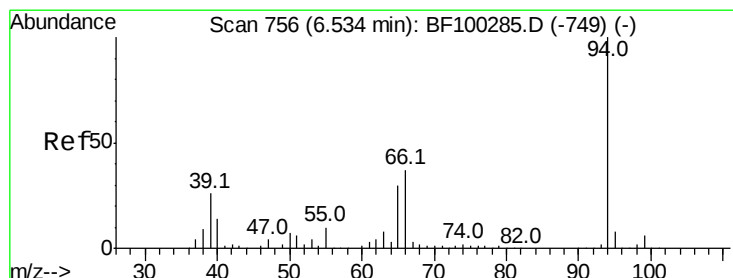
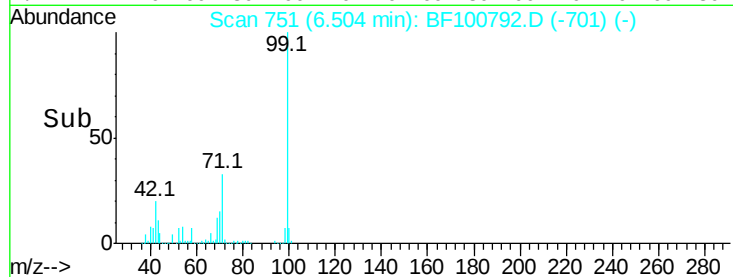
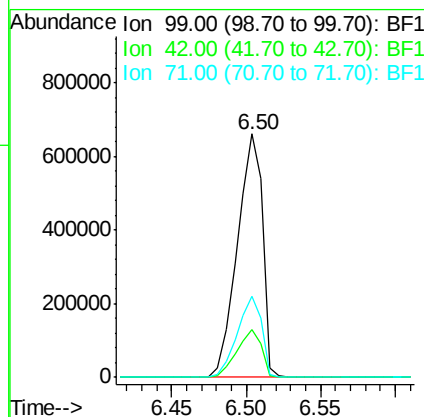
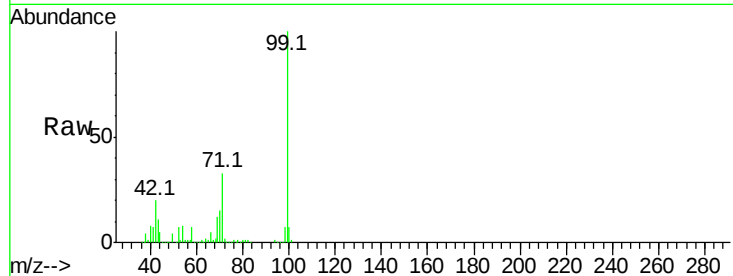
ClientSampleId :

PG1-1-E(0-1)

Tot Ion:	99	Resp:	778753
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.5	21.7
71	33.3	25.4	38.0

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#10

Phenol

Concen: 5.097 ng

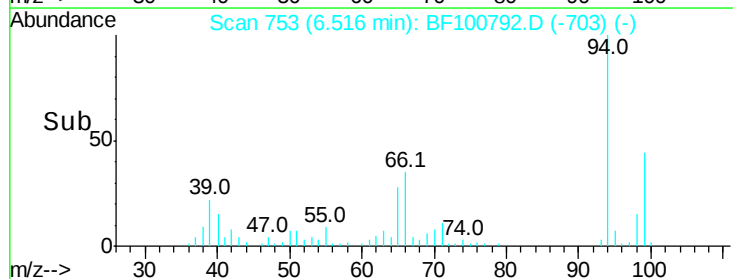
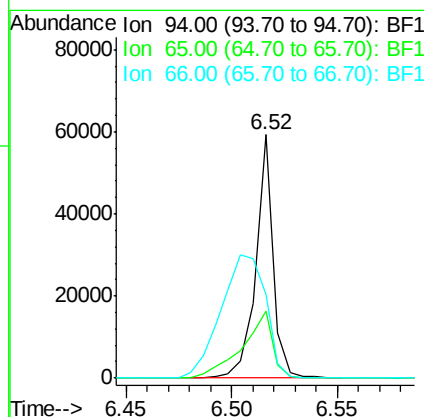
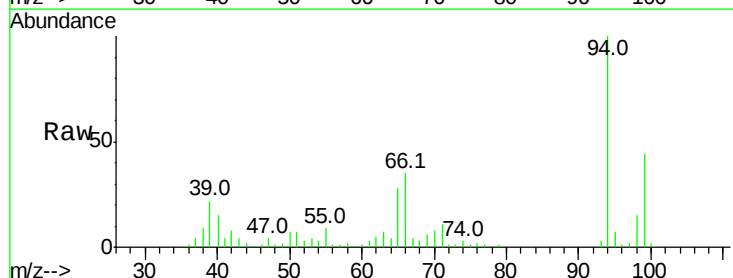
RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Tgt Ion:	94	Resp:	34053
Ion Ratio	Lower	Upper	
94	100		
65	27.5	7.9	47.9
66	34.5	16.2	56.2





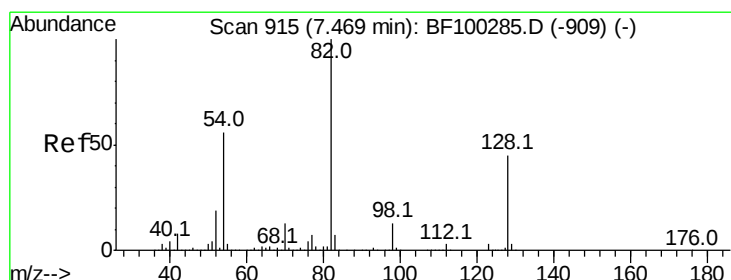
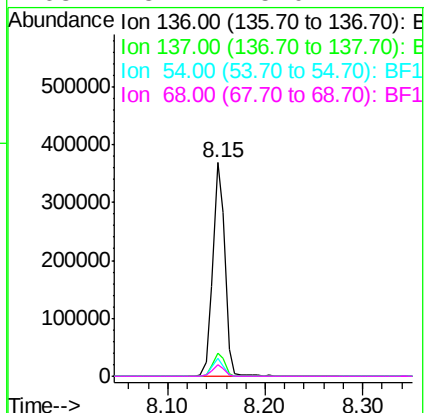
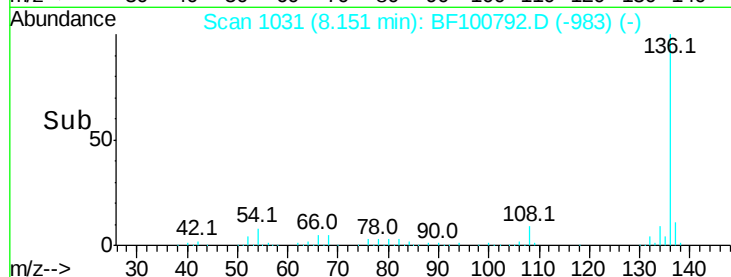
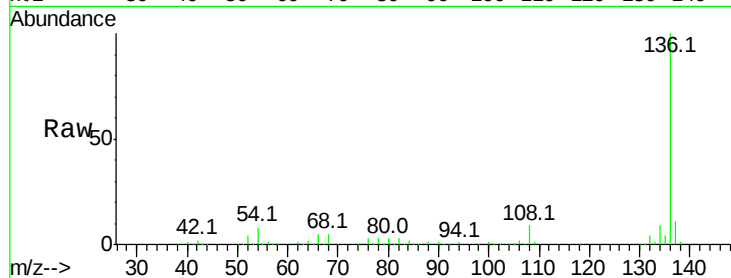
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Instrument :
BNA_F
ClientSampleId :
PG1-1-E(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	8.2	6.6	9.8	
68	5.4	5.0	7.4	

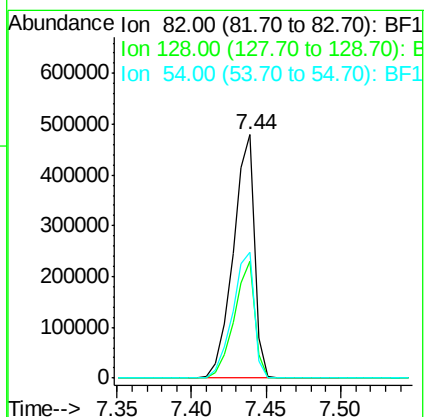
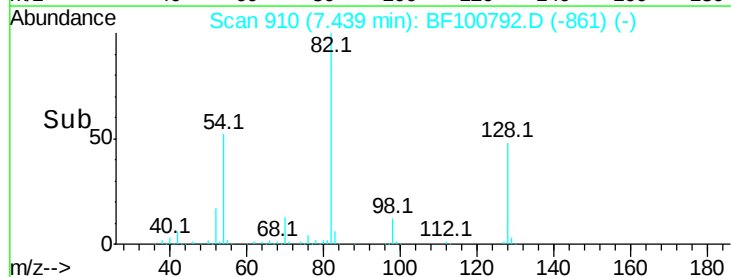
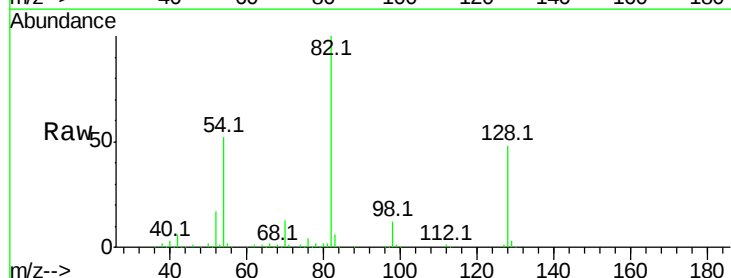
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#23
Nitrobenzene-d5
Concen: 100.395 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.0	36.1	54.1	
54	51.6	41.4	62.2	





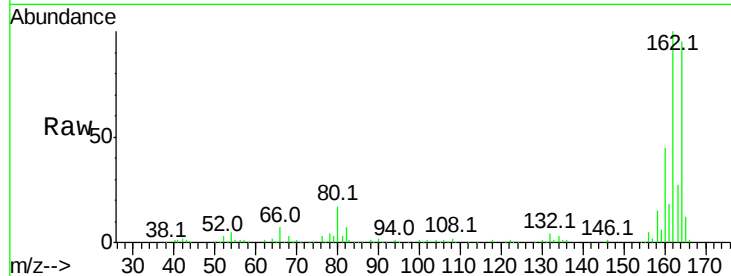
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Instrument :
BNA_F
ClientSampleId :
PG1-1-E(0-1)

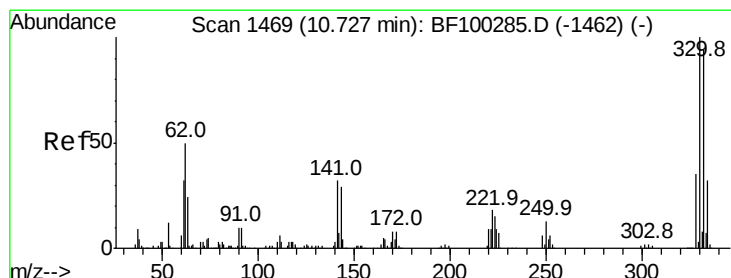
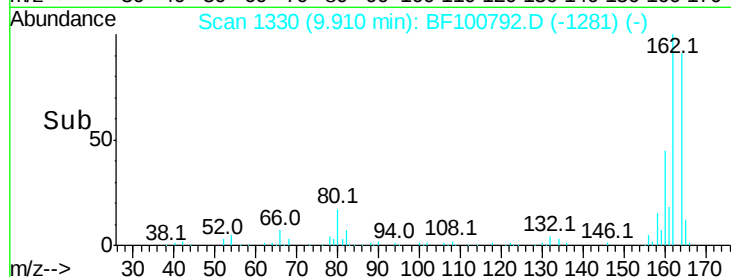
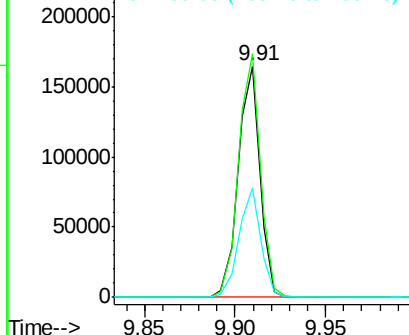
Tot Ion	Ratio	Resp	Lower	Upper
164	100	137490		
162	105.4	86.1	129.1	
160	47.3	38.3	57.5	

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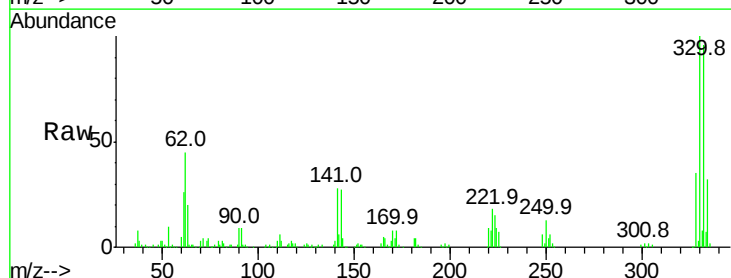


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

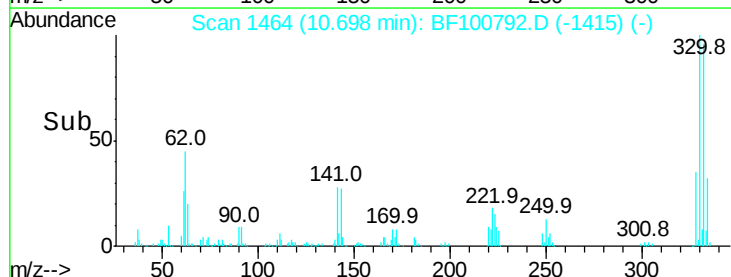
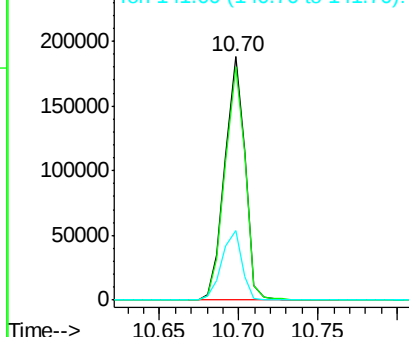


#41
2,4,6-Tribromophenol
Concen: 119.035 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	166771		
332	96.0	77.0	115.6	
141	29.0	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





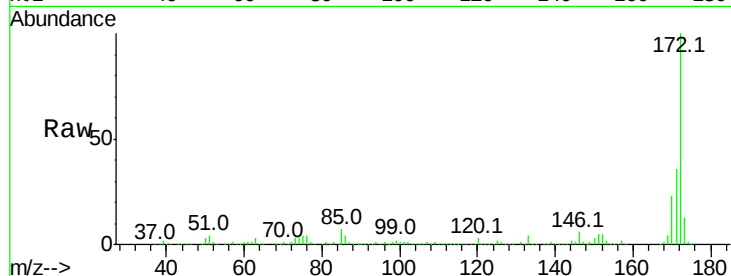
#44
2-Fluorobiphenyl
Concen: 99.033 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Instrument :
BNA_F
ClientSampleId :
PG1-1-E(0-1)

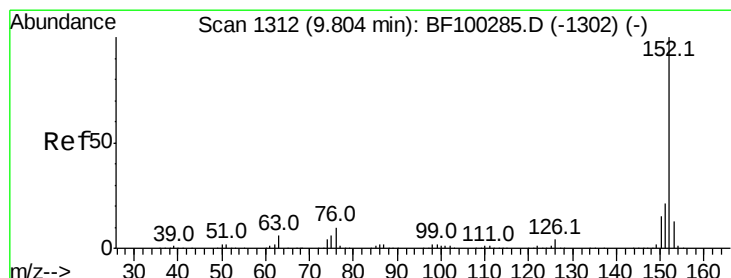
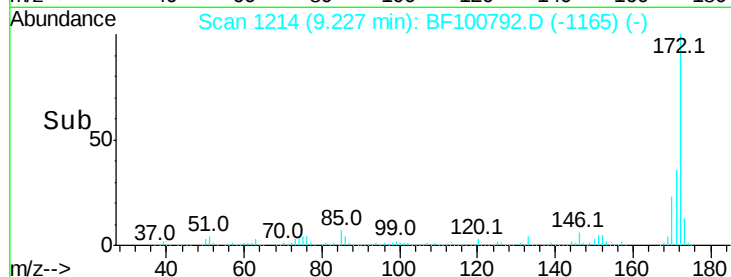
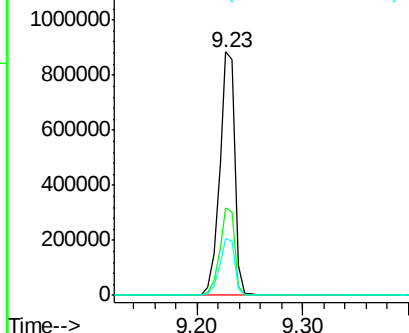
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.2	19.6	29.4

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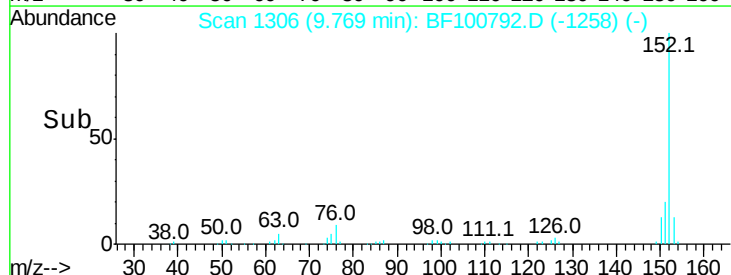
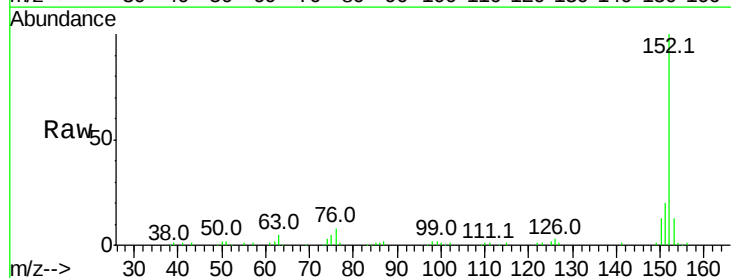
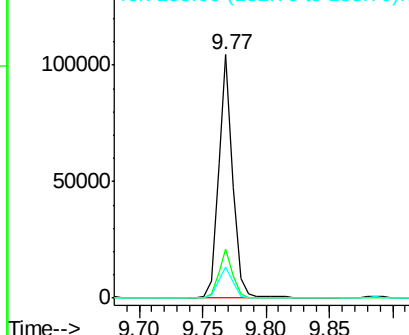
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

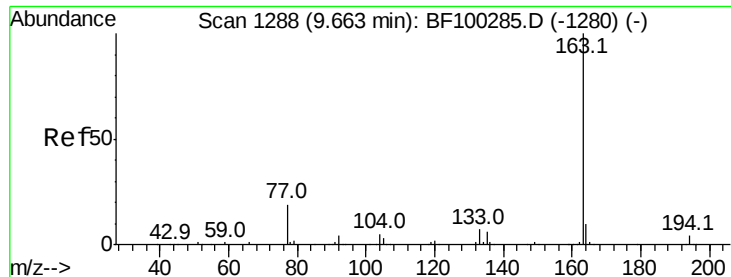


#48
Acenaphthylene
Concen: 5.760 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.0	10.7	16.1

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





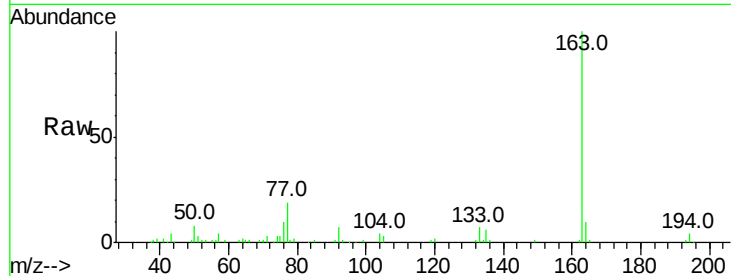
#49
Dimethylphthalate
Concen: 7.023 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Instrument :
BNA_F
ClientSampleId :
PG1-1-E(0-1)

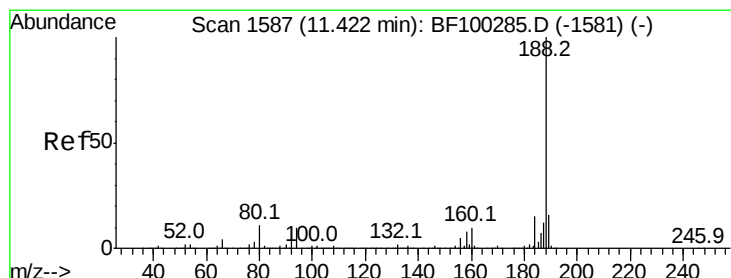
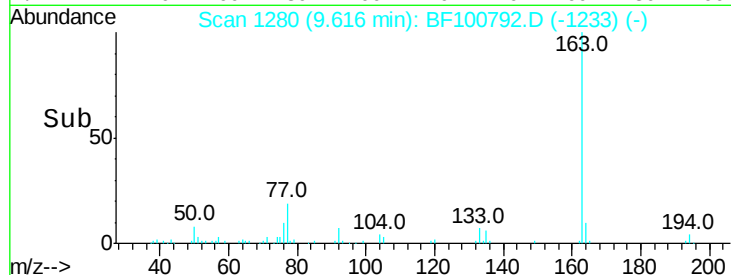
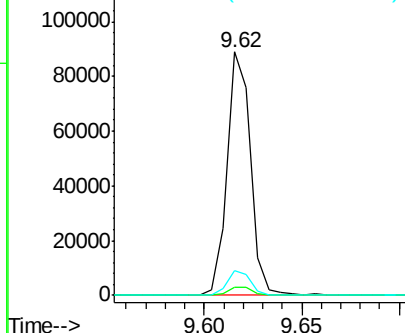
Tot Ion:	163	Resp:	73725
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2

Manual Integrations
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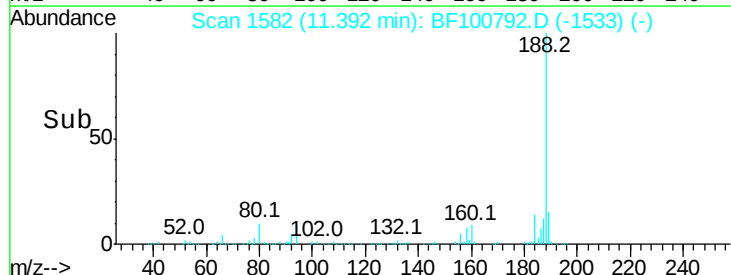
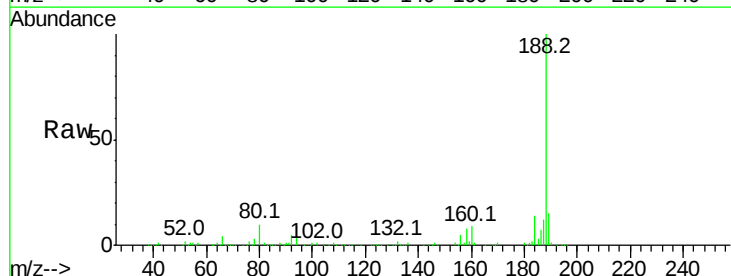
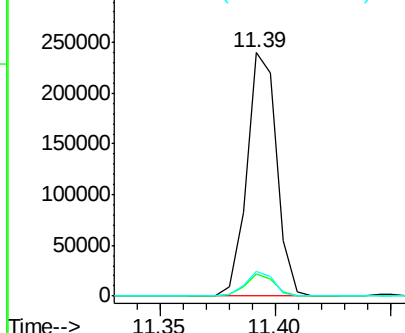
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

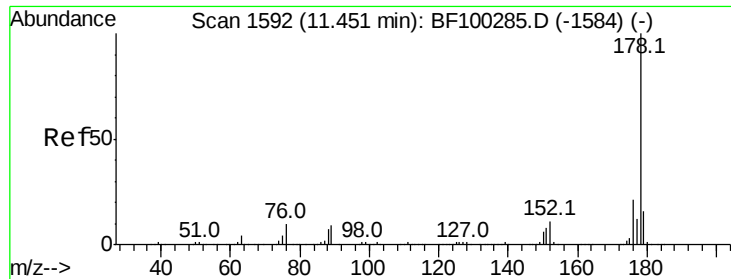


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion:	188	Resp:	216209
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.5	12.7
80	10.3	9.2	13.8

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





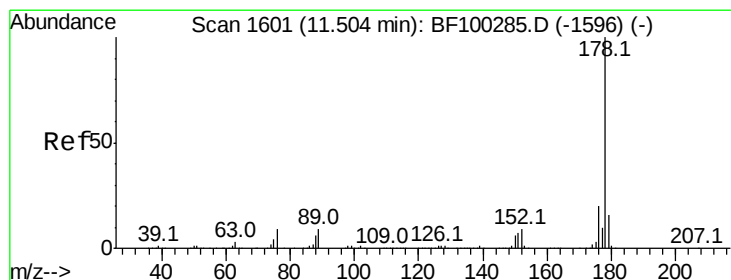
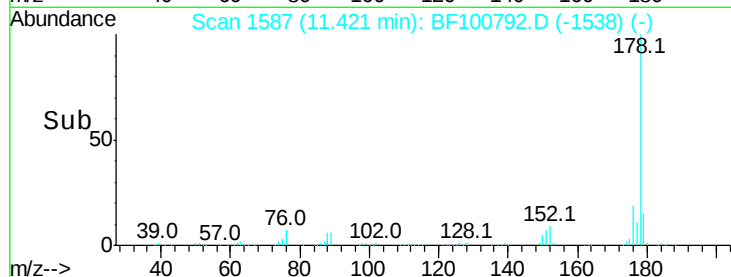
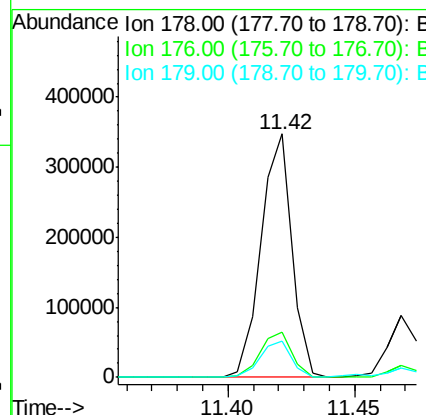
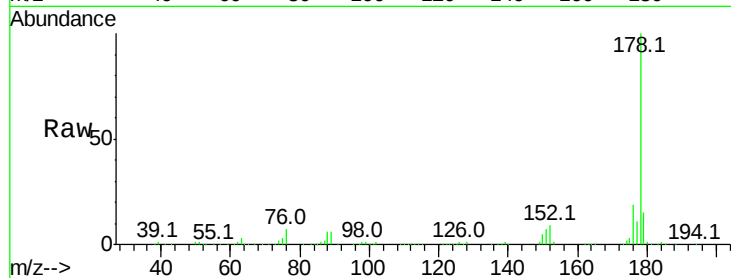
#70
Phenanthrene
Concen: 25.939 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Instrument :
BNA_F
ClientSampleId :
PG1-1-E(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	14.9	13.0	19.6

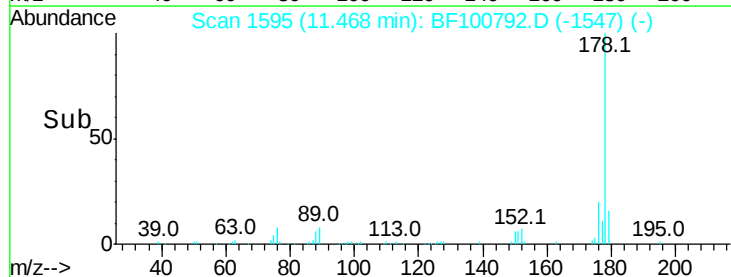
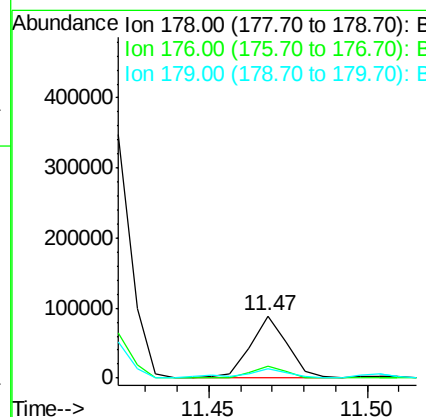
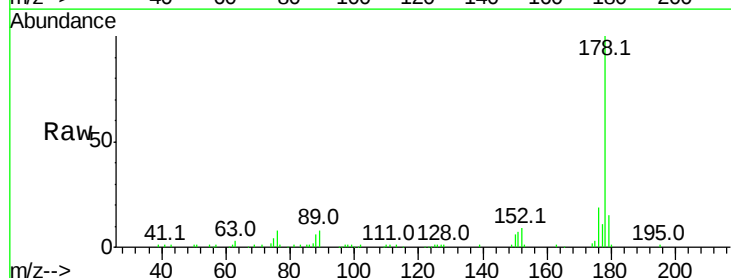
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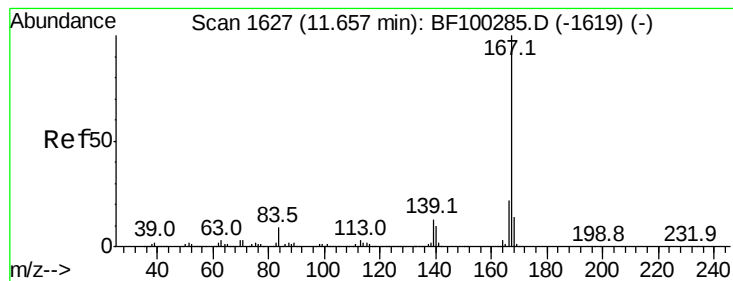
Sohil
11/22/2017 5:04:27 PM



#71
Anthracene
Concen: 5.935 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.5	12.6	19.0





#72

Carbazole

Concen: 2.531 ng

RT: 11.62 min Scan# 1621

Delta R.T. -0.02 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Instrument :

BNA_F

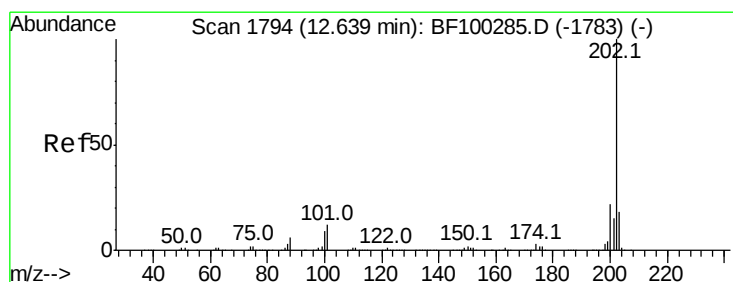
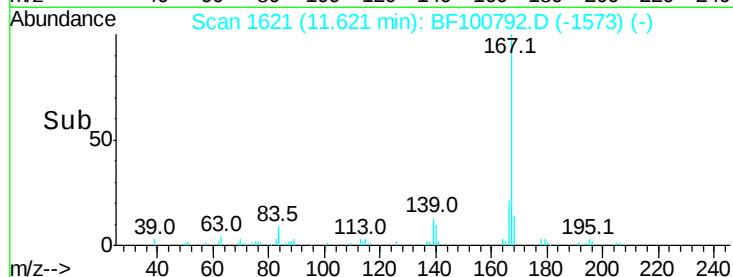
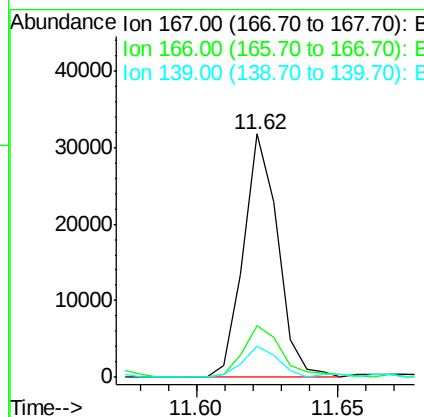
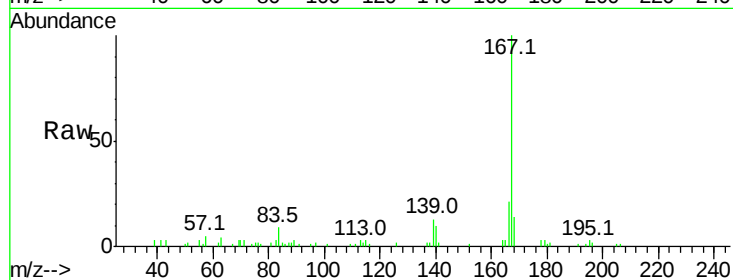
ClientSampleId :

PG1-1-E(0-1)

Tot Ion:	167	Resp:	26977
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.6	26.4
139	12.6	10.9	16.3

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#74

Fluoranthene

Concen: 41.483 ng

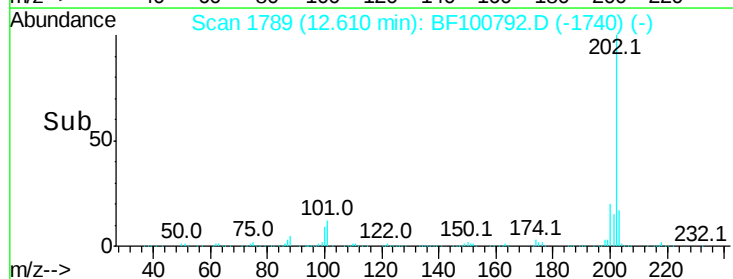
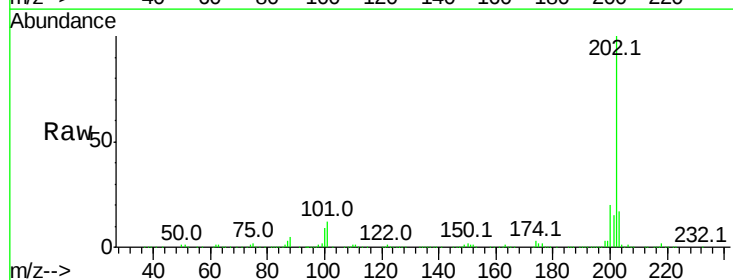
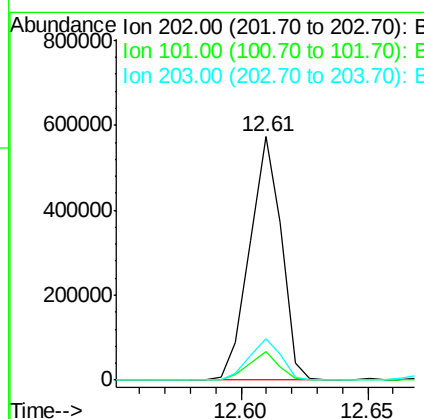
RT: 12.61 min Scan# 1789

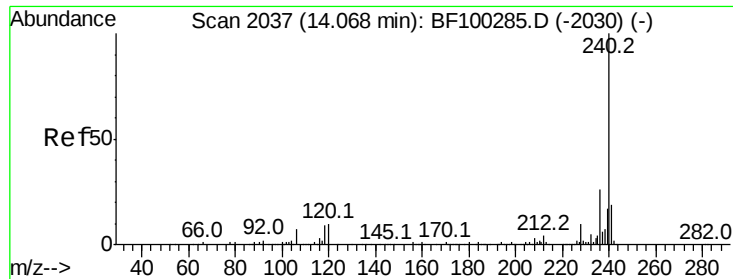
Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Tgt Ion:	202	Resp:	500470
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	34.1
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Instrument :

BNA_F

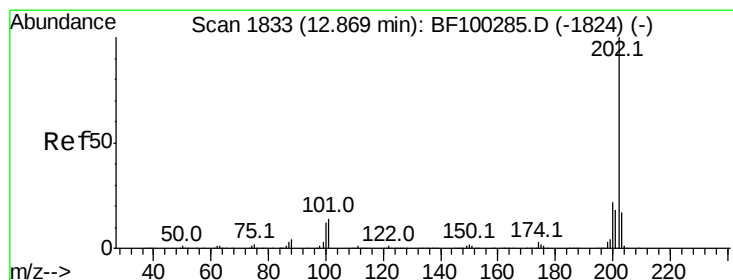
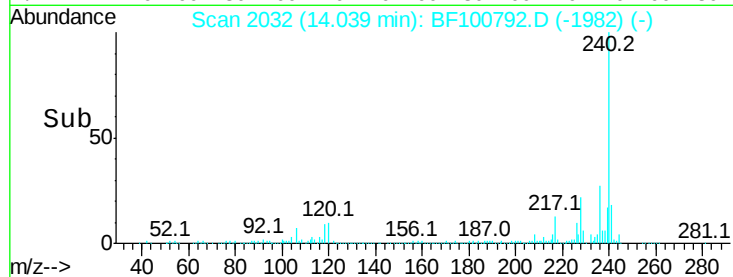
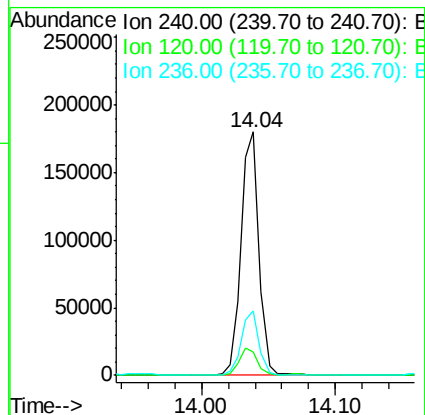
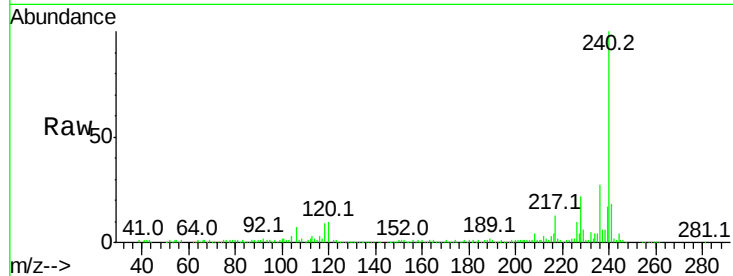
ClientSampleId :

PG1-1-E(0-1)

Tot Ion:	240	Resp:	169786
Ion Ratio	Lower	Upper	
240	100		
120	9.8	9.5	14.3
236	26.6	20.7	31.1

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#77

Pyrene

Concen: 38.098 ng

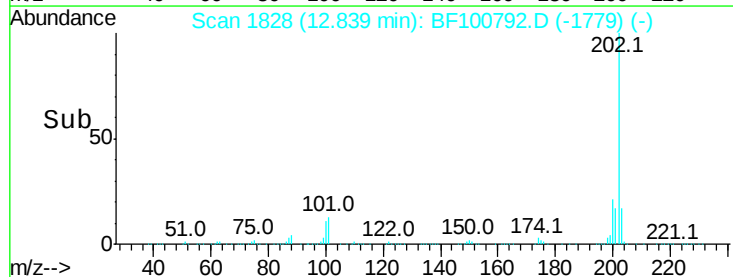
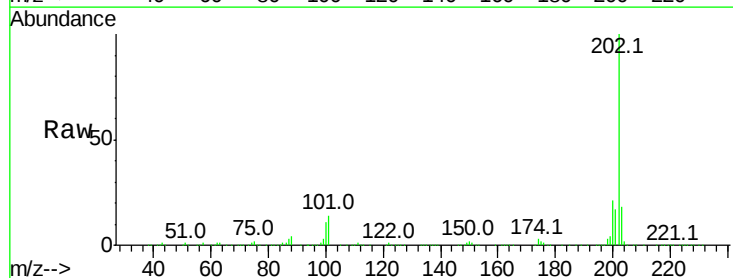
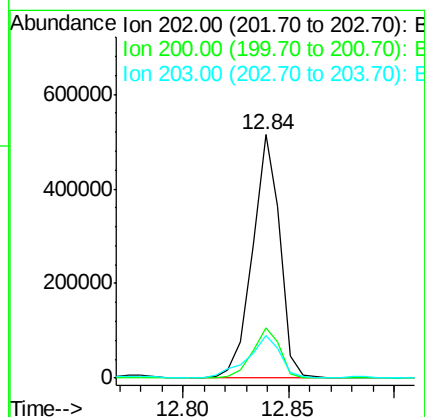
RT: 12.84 min Scan# 1828

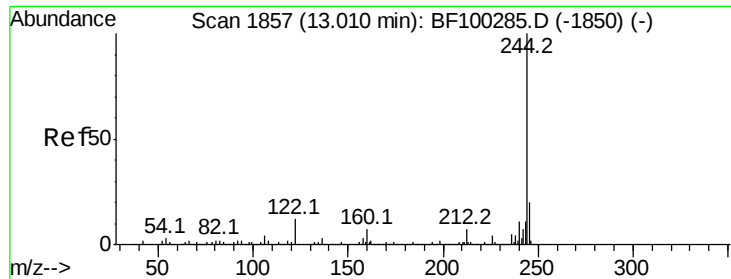
Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Tgt Ion:	202	Resp:	461097
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.5	14.3	21.5





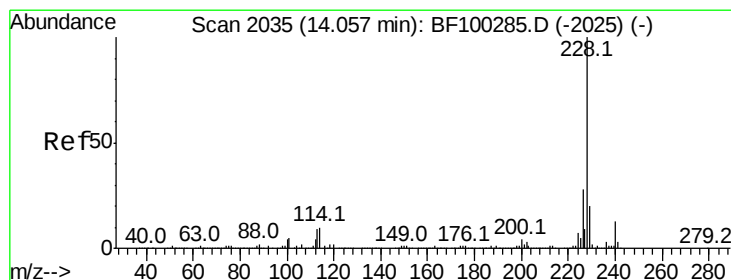
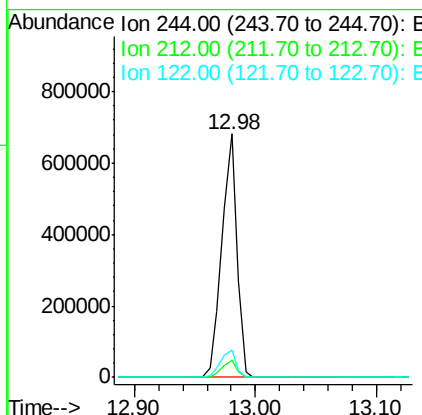
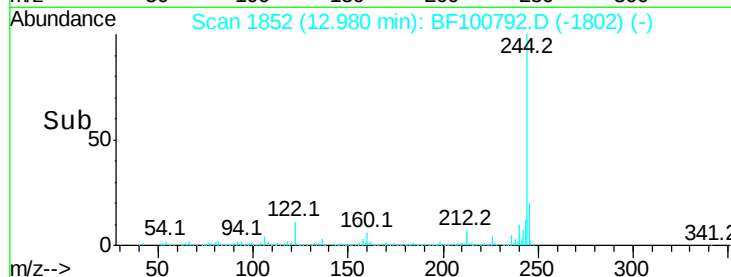
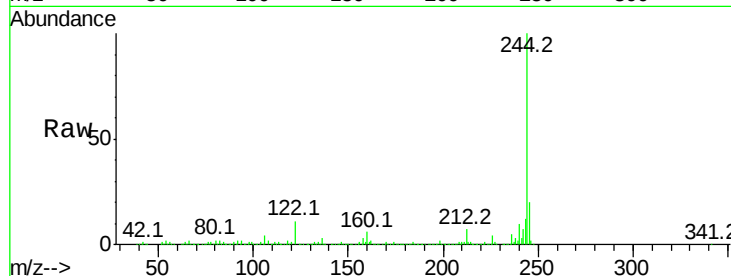
#78
 Terphenyl-d14
 Concen: 79.135 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100792.D
 Acq: 21 Nov 2017 20:34

Instrument :
 BNA_F
 ClientSampleId :
 PG1-1-E(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.1	11.0	16.4

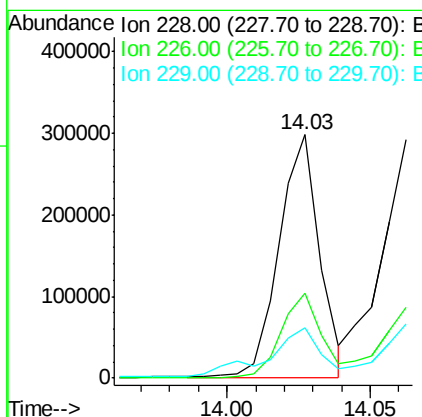
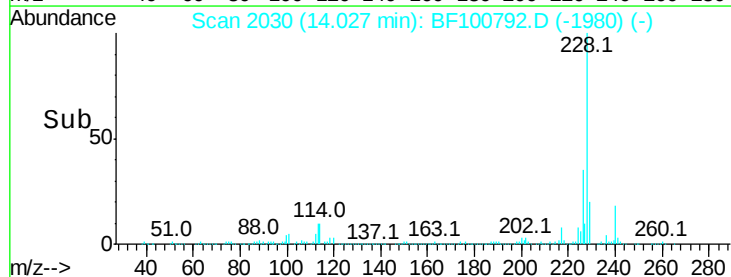
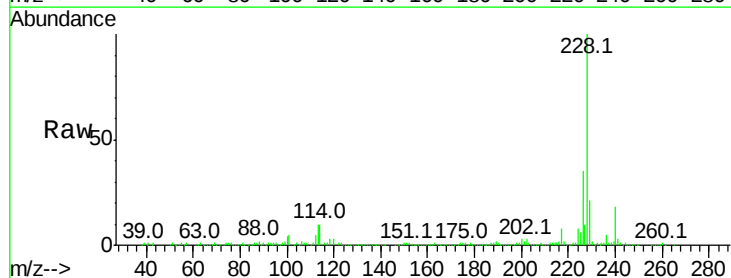
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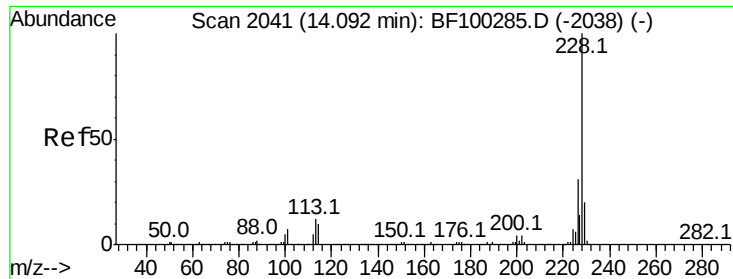
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#80
 Benzo(a)anthracene
 Concen: 28.483 ng m
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF100792.D
 Acq: 21 Nov 2017 20:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.1	22.6	33.8#
229	20.6	15.8	23.6





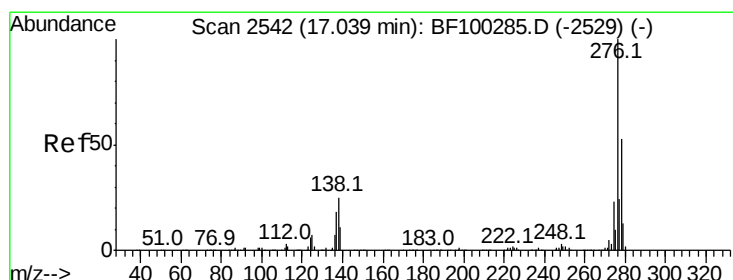
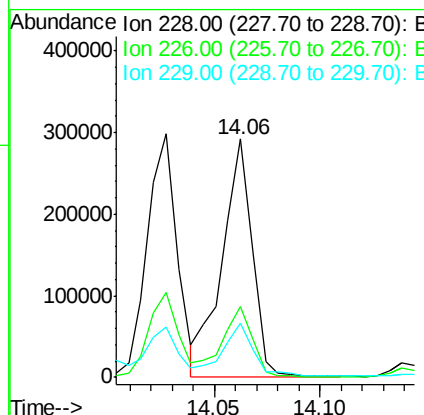
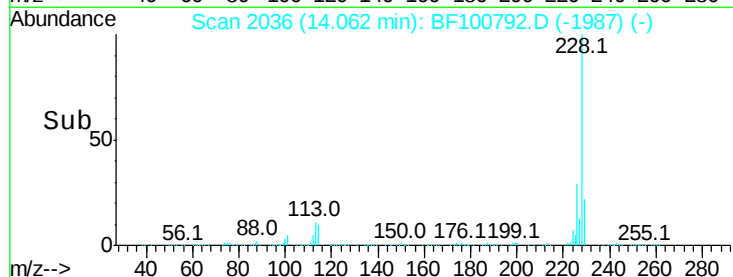
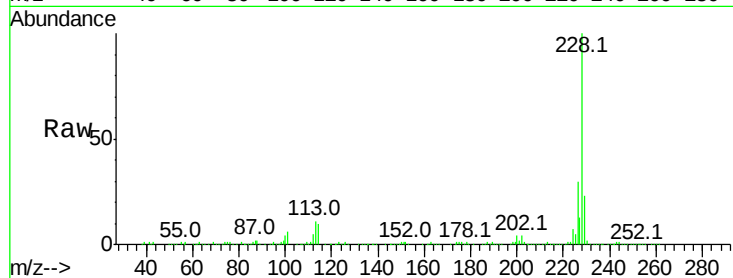
#82
Chrysene
Concen: 28.843 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Instrument :
BNA_F
ClientSampleId :
PG1-1-E(0-1)

Tot Ion:	228	Resp:	285574
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.0	37.6
229	22.5	16.2	24.4

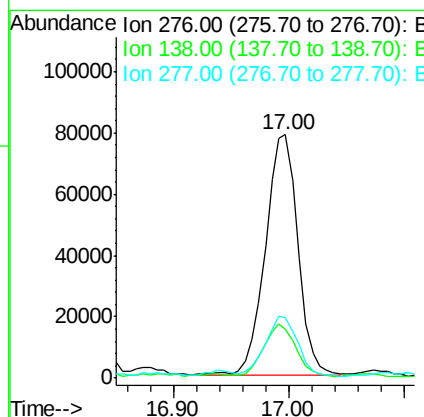
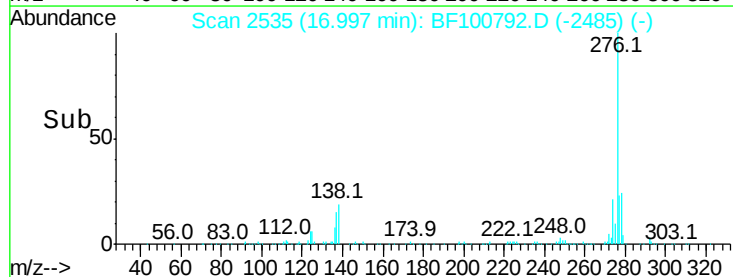
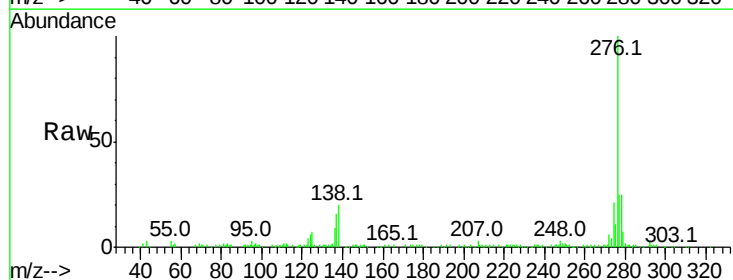
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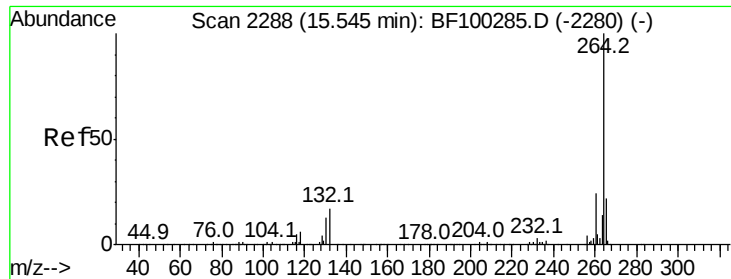
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 19.428 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion:	276	Resp:	155587
Ion Ratio	Lower	Upper	
276	100		
138	21.4	25.0	37.6#
277	24.9	20.1	30.1





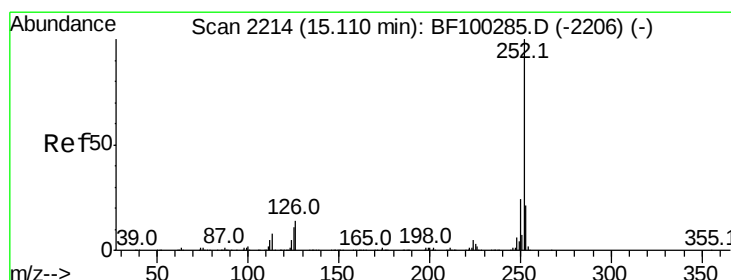
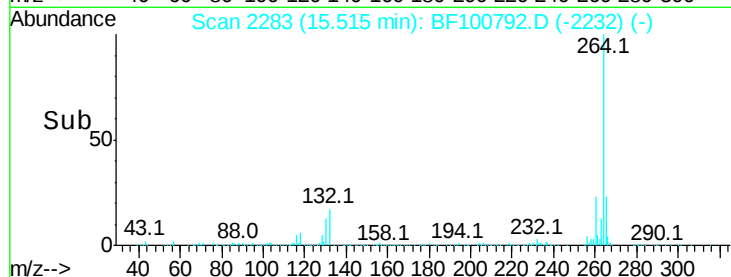
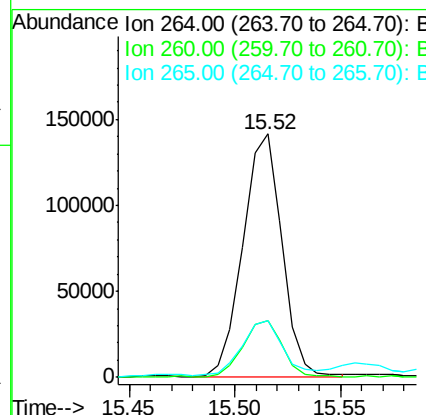
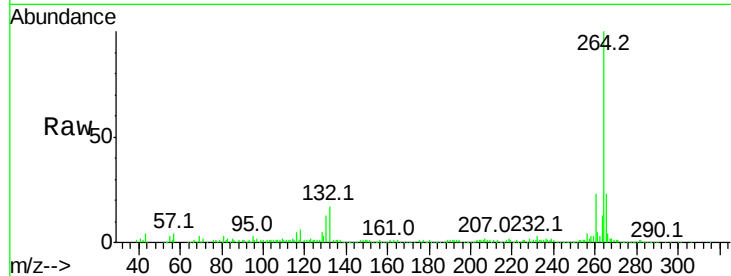
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Instrument :
BNA_F
ClientSampleId :
PG1-1-E(0-1)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.4	17.5	26.3

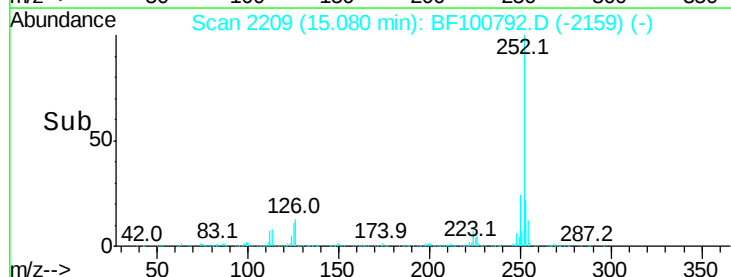
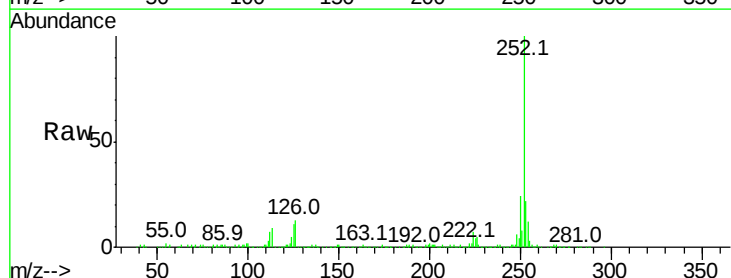
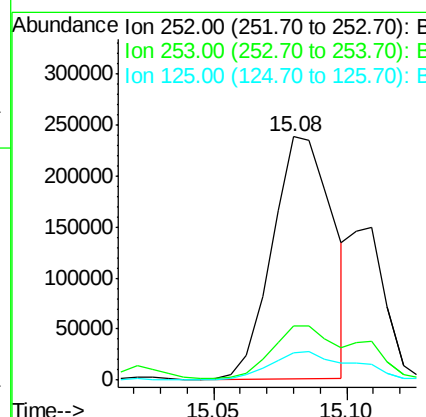
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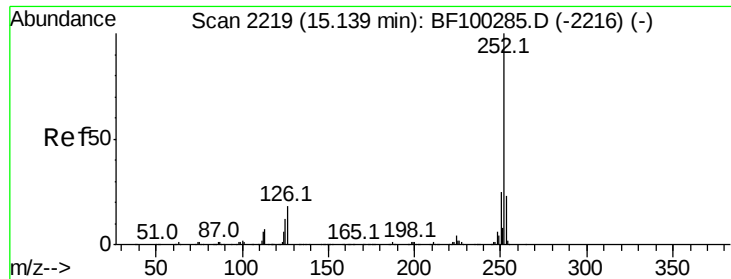
Sohil
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#87
Benzo(b)fluoranthene
Concen: 35.114 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	11.3	9.0	13.6





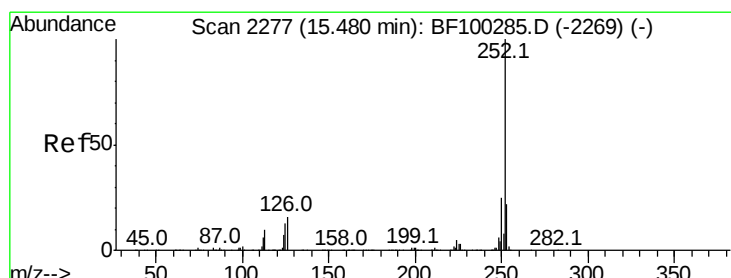
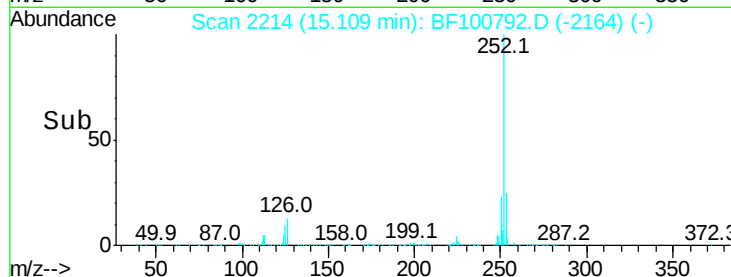
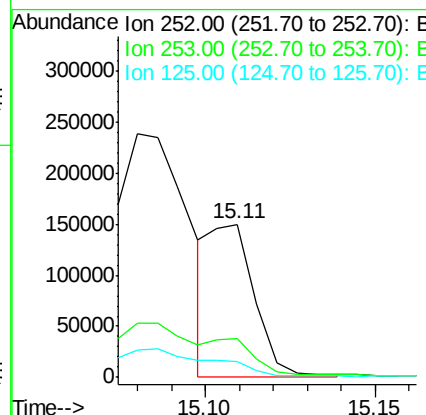
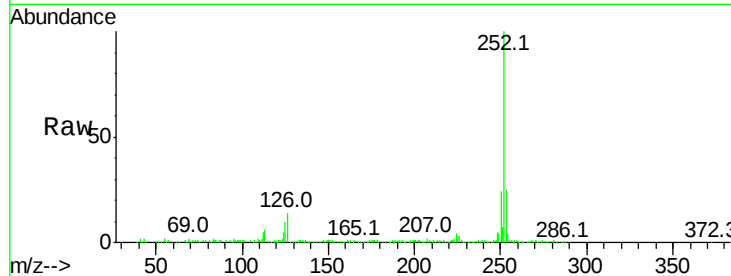
#88
Benzo(k)fluoranthene
Concen: 13.620 ng/mL
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Instrument :
BNA_F
ClientSampleId :
PG1-1-E(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	10.4	10.2	15.2

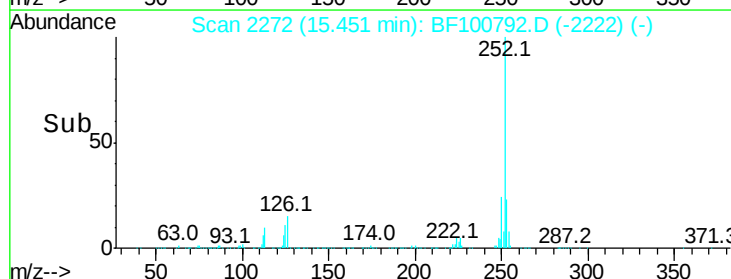
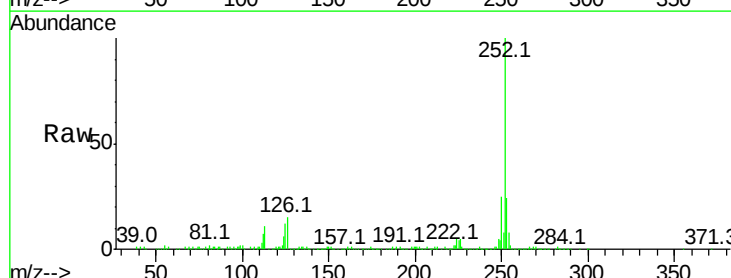
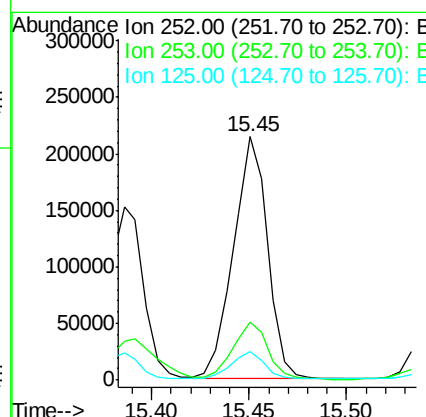
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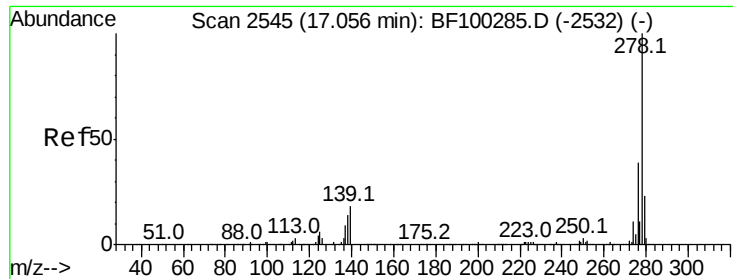
Sohil
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#89
Benzo(a)pyrene
Concen: 27.395 ng/mL
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	11.8	9.8	14.6





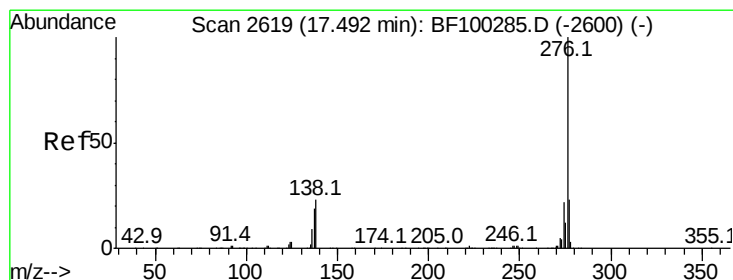
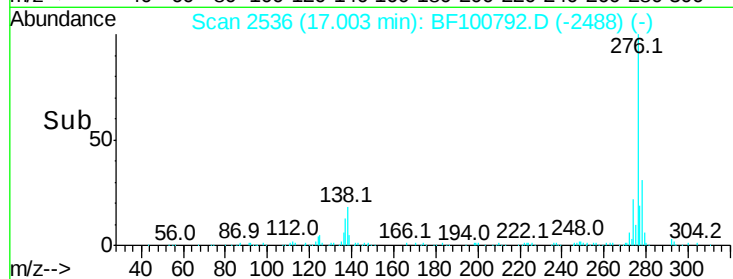
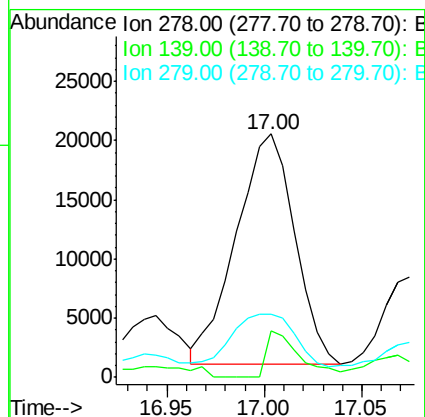
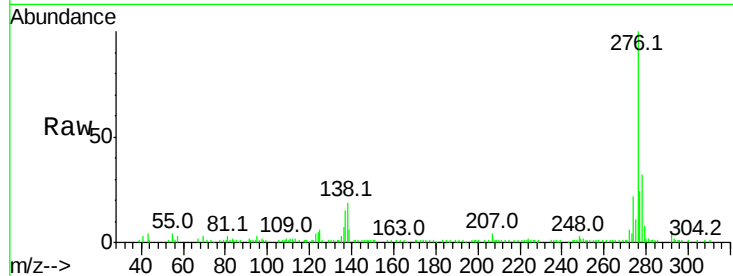
#90
Dibenzo(a,h)anthracene
Concen: 5.201 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.02 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Instrument :
BNA_F
ClientSampleId :
PG1-1-E(0-1)

Tot Ion:	278	Resp:	40343
Ion Ratio	Lower	Upper	
278	100		
139	19.1	15.9	23.9
279	26.1	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 21.329 ng
RT: 17.45 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion:	276	Resp:	161951
Ion Ratio	Lower	Upper	
276	100		
277	23.9	17.9	26.9
138	22.4	21.8	32.8

