

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
 Data File : BF100757.D
 Acq On : 21 Nov 2017 3:28
 Operator : SJ/JU
 Sample : I6311-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-111717

Manual Integrations
 APPROVED

SOHIL
 11/21/2017 2:16:42 PM

Quant Time: Nov 21 06:35:21 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	82851	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	302827	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	113259	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	172176	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	186816	20.00	ng	-0.01
86) Perylene-d12	15.51	264	145564	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	482328	93.32	ng	0.00
7) Phenol-d6	6.50	99	566167	88.83	ng	-0.01
23) Nitrobenzene-d5	7.43	82	337288	73.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	100990	87.50	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	622116	83.64	ng	-0.01
78) Terphenyl-d14	12.98	244	456194	56.11	ng	0.00
Target Compounds						
10) Phenol	6.51	94	21669	3.239	ng	Qvalue 96
49) Dimethylphthalate	9.62	163	37477	4.334	ng	99
57) Fluorene	10.46	166	19278	2.621	ng	98
70) Phenanthrene	11.42	178	126173	13.918	ng	98
71) Anthracene	11.47	178	35698	3.881	ng	98
74) Fluoranthene	12.60	202	141768	14.756	ng	97
77) Pyrene	12.84	202	137386	10.317	ng	99
80) Benzo(a)anthracene	14.02	228	69607	6.187	ng	98
82) Chrysene	14.06	228	65603	6.022	ng	94
85) Indeno(1,2,3-cd)pyrene	16.98	276	19182	2.177	ng	93
87) Benzo(b)fluoranthene	15.07	252	57116m	6.623	ng	
88) Benzo(k)fluoranthene	15.10	252	20507m	2.517	ng	
89) Benzo(a)pyrene	15.44	252	40751	5.330	ng	94
91) Benzo(a,h,i)perylene	17.43	276	18840	3.078	ng	# 90

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

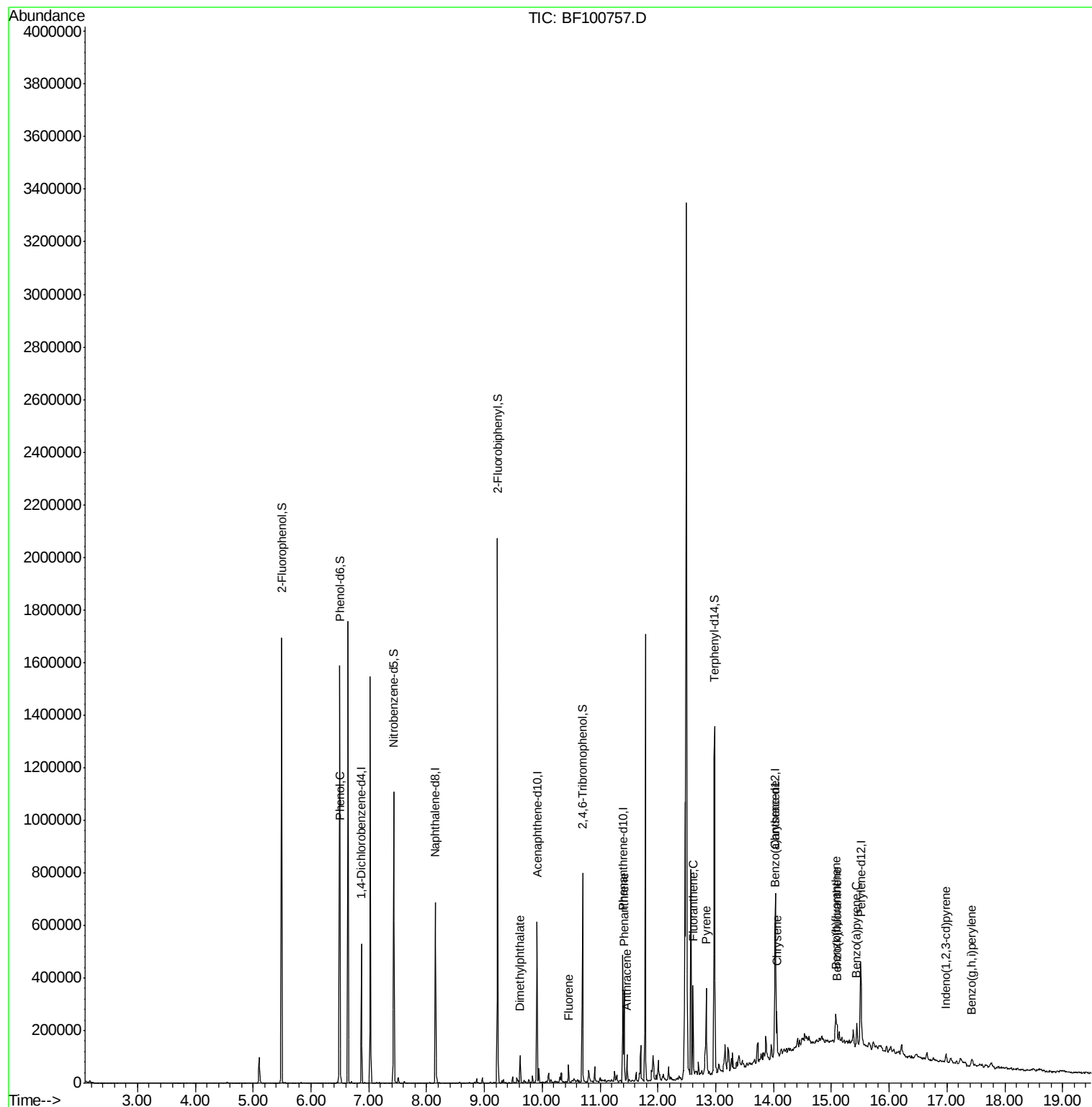
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
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#1

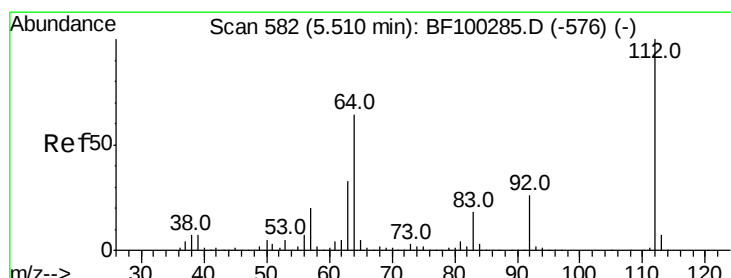
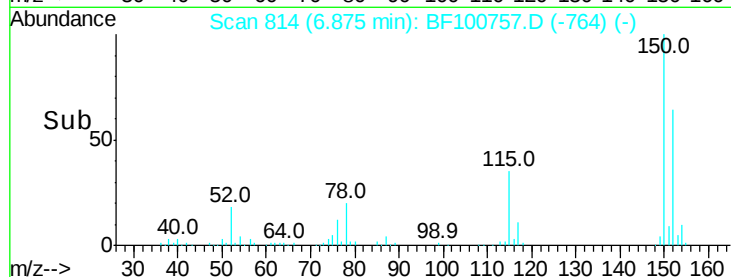
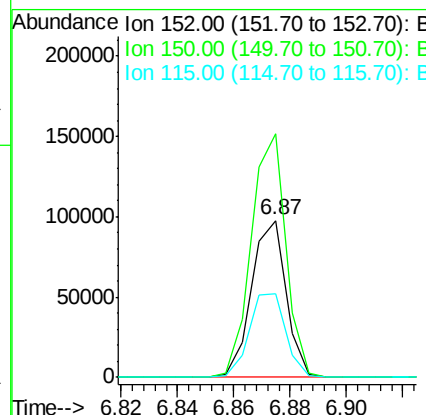
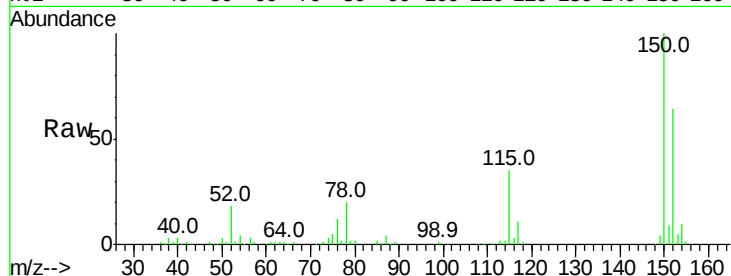
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :
TR-04-111717

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	53.7	50.1	75.1

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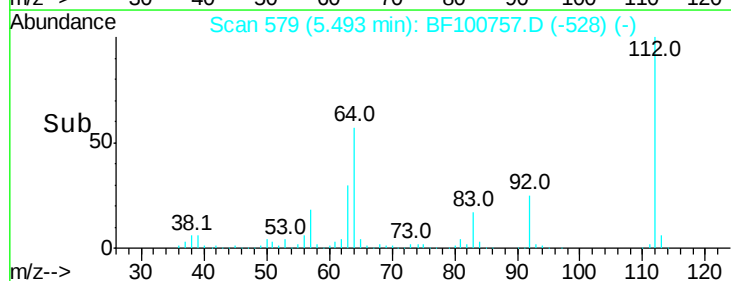
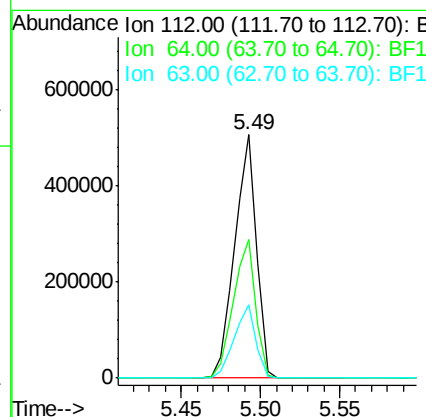
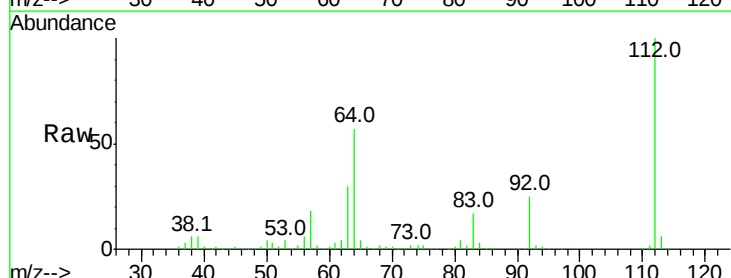
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#5

2-Fluorophenol
Concen: 93.320 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 88.832 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100757.D

Acq: 21 Nov 2017 3:28

Instrument :

BNA_F

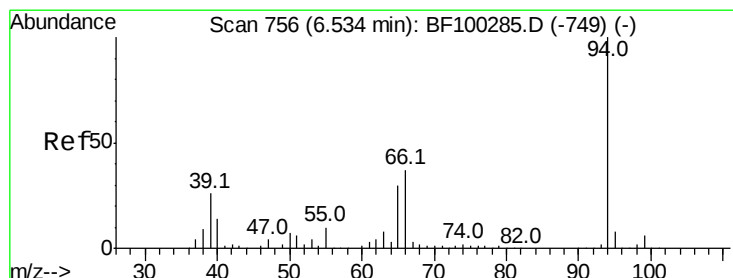
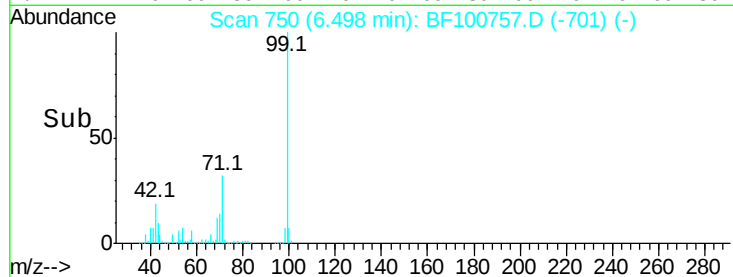
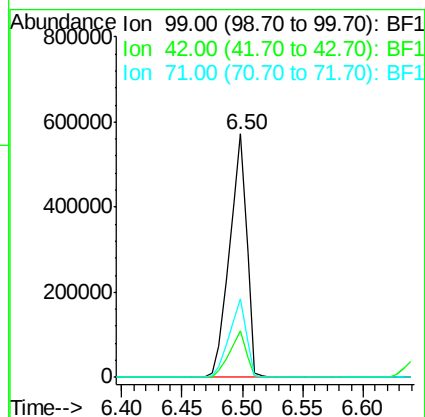
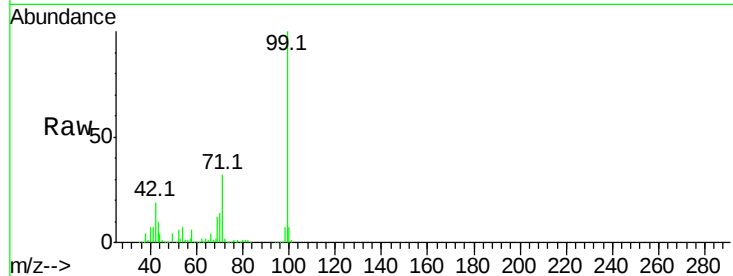
ClientSampleId :

TR-04-111717

Tot Ion:	99	Resp:	566167
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.5	21.7
71	32.1	25.4	38.0

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#10

Phenol

Concen: 3.239 ng

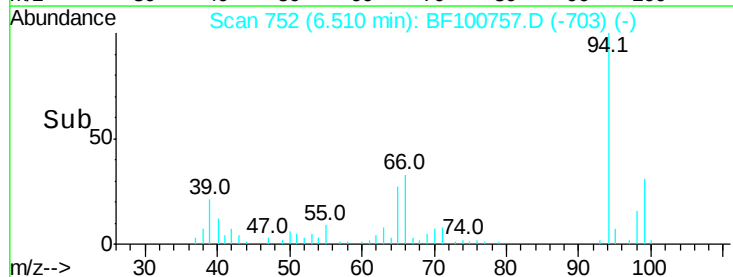
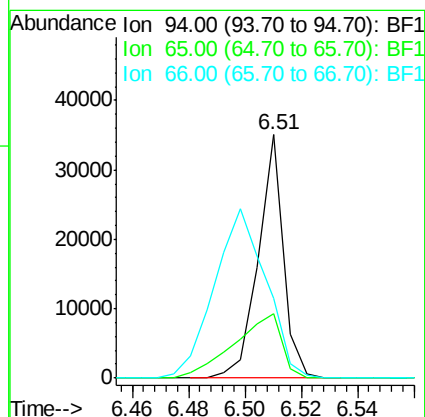
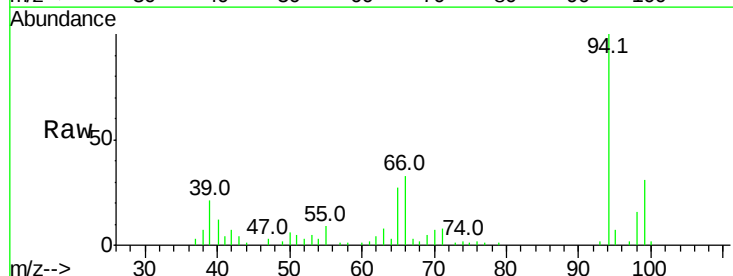
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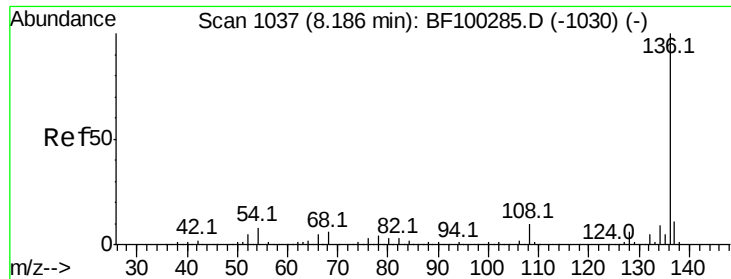
Delta R.T. -0.01 min

Lab File: BF100757.D

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Tgt Ion:	94	Resp:	21669
Ion Ratio	Lower	Upper	
94	100		
65	26.6	7.9	47.9
66	32.8	16.2	56.2





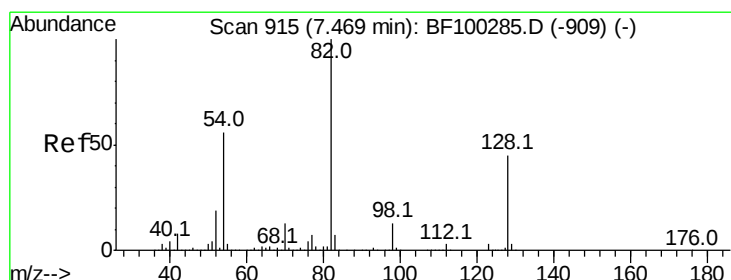
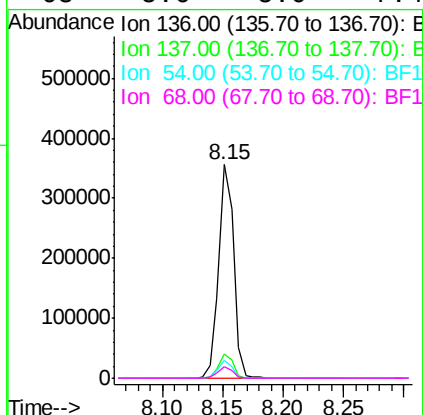
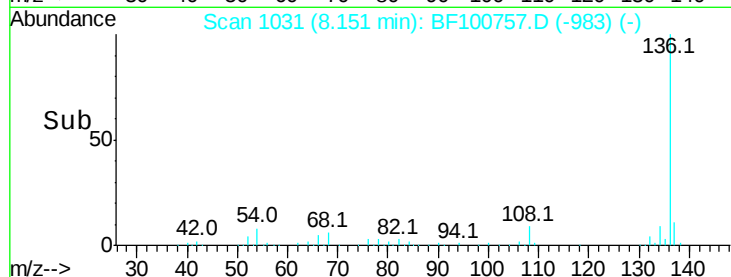
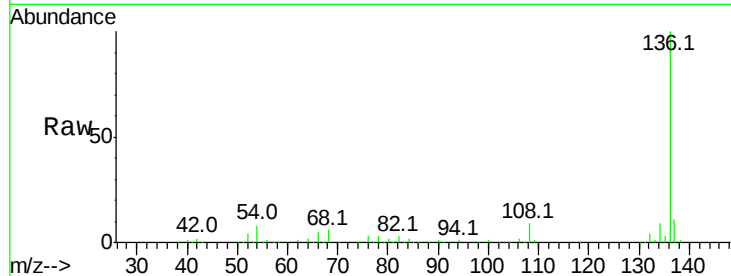
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :
TR-04-111717

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.9	13.3	
54	8.2	6.6	9.8	
68	5.6	5.0	7.4	

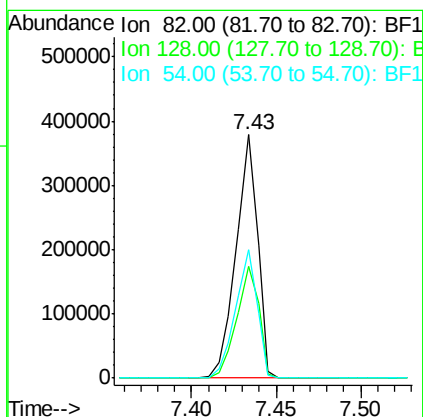
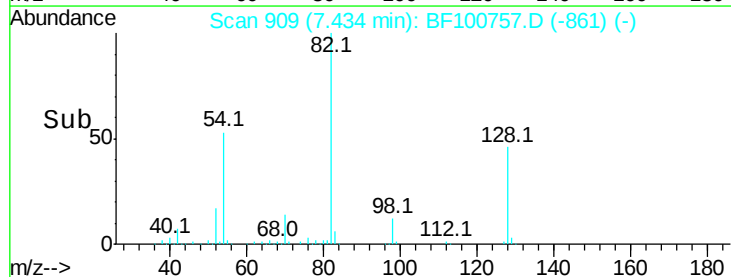
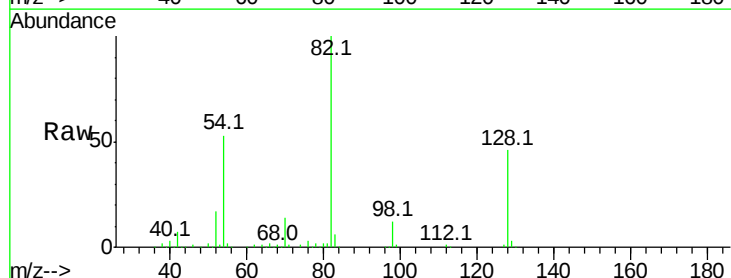
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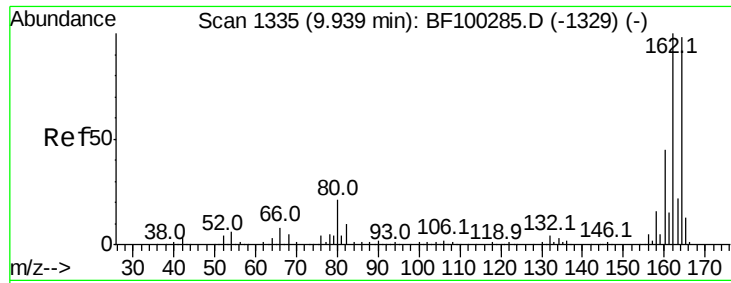
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#23
Nitrobenzene-d5
Concen: 73.637 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.0	36.1	54.1	
54	53.0	41.4	62.2	





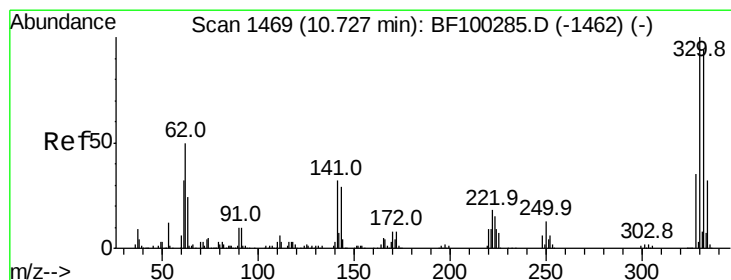
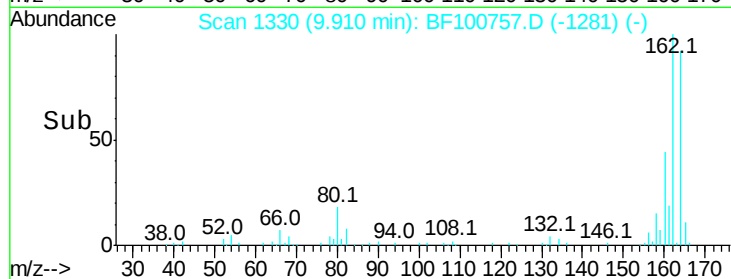
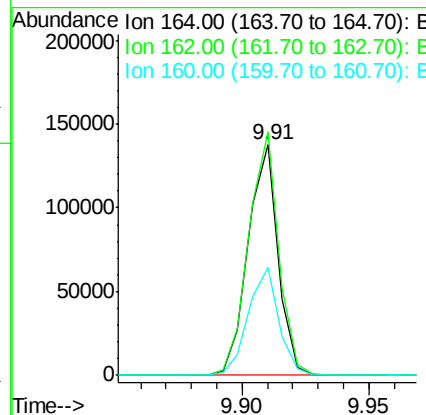
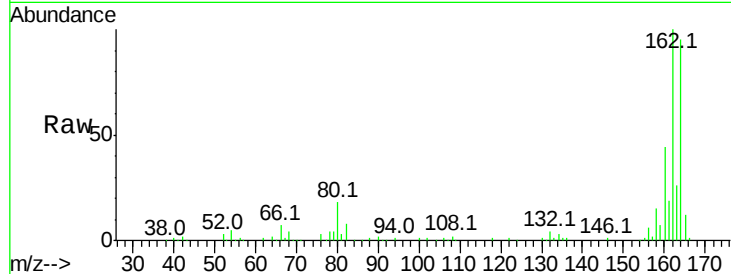
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100757.D
 Acq: 21 Nov 2017 3:28

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-111717

Tot Ion	Ratio	Resp	Lower	Upper
164	100	113259		
162	105.7	86.1	129.1	
160	47.0	38.3	57.5	

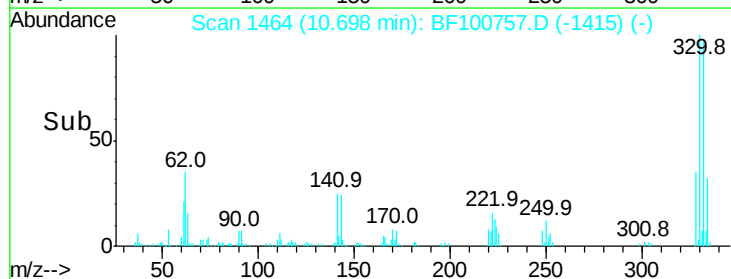
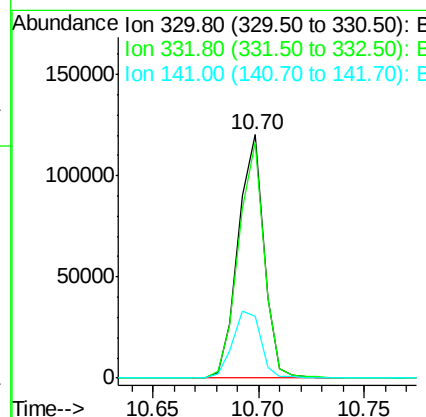
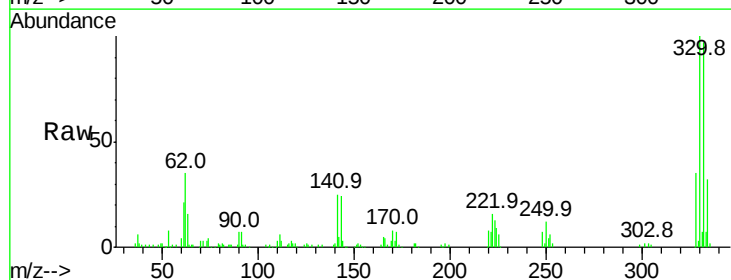
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#41
 2,4,6-Tribromophenol
 Concen: 87.505 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100757.D
 Acq: 21 Nov 2017 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	100990		
332	96.6	77.0	115.6	
141	30.2	29.9	44.9	





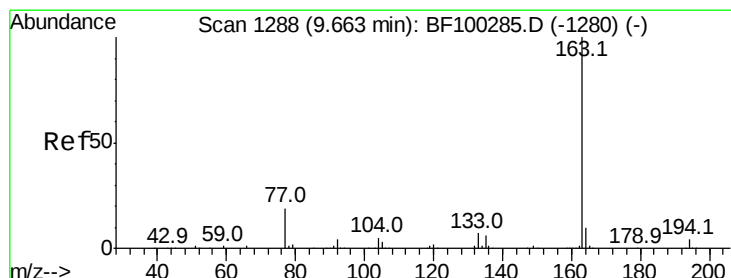
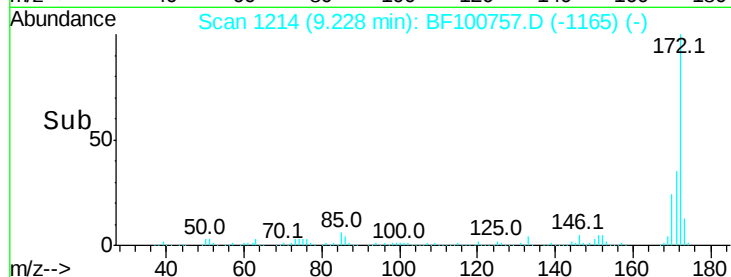
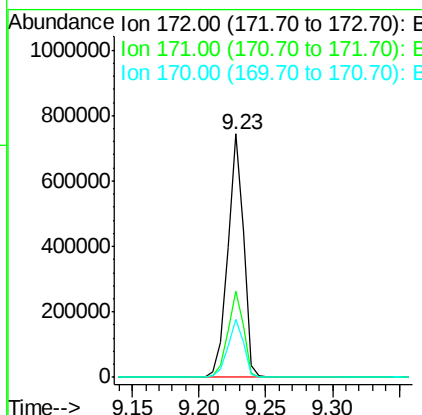
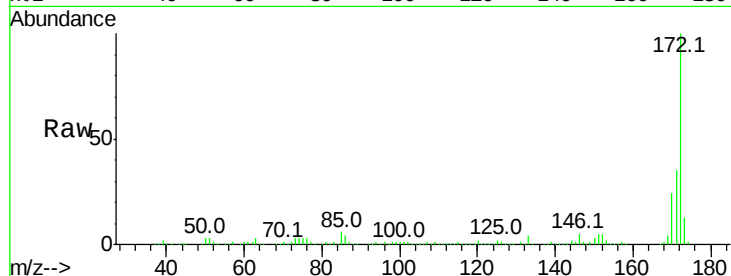
#44
2-Fluorobiphenyl
Concen: 83.640 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :
TR-04-111717

Tot Ion	Ratio	Resp	Lower	Upper
172	100	622116		
171	35.4		29.7	44.5
170	23.7		19.6	29.4

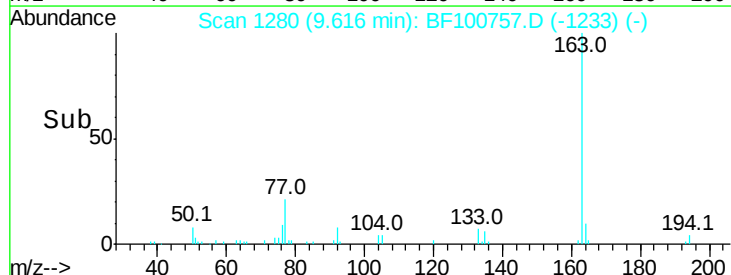
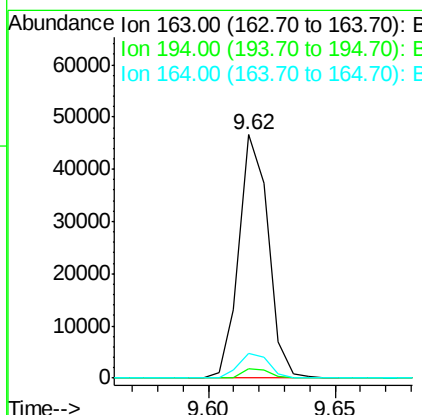
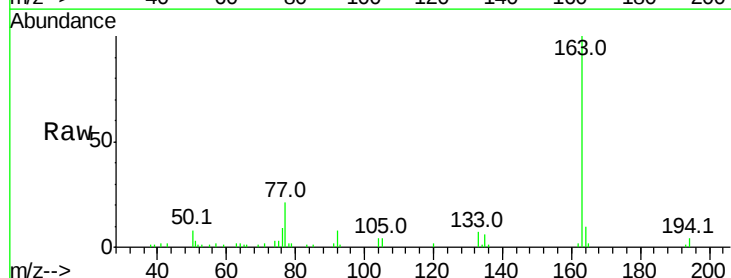
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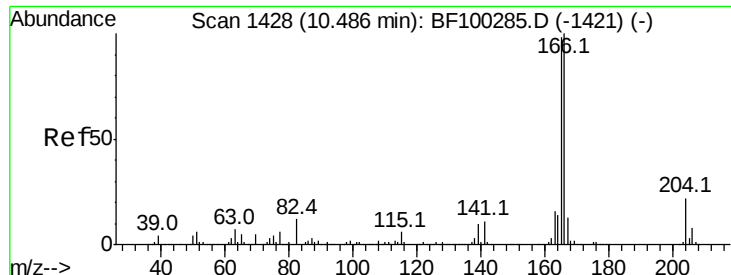
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#49
Dimethylphthalate
Concen: 4.334 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	37477		
194	3.6		2.7	4.1
164	10.4		8.2	12.2





#57

Fluorene

Concen: 2.621 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF100757.D

Acq: 21 Nov 2017 3:28

Instrument :

BNA_F

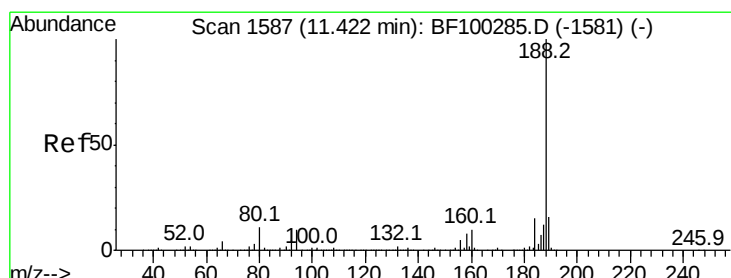
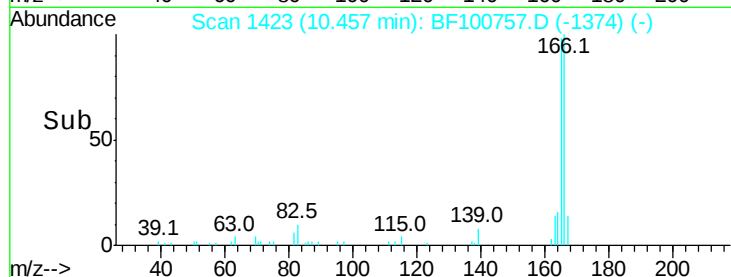
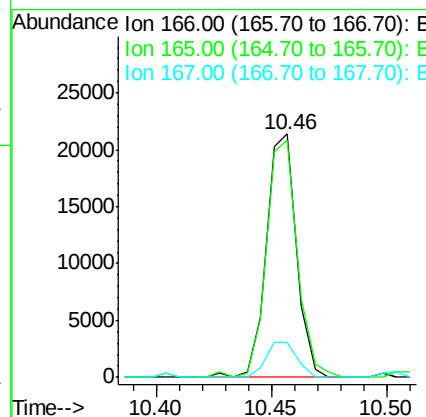
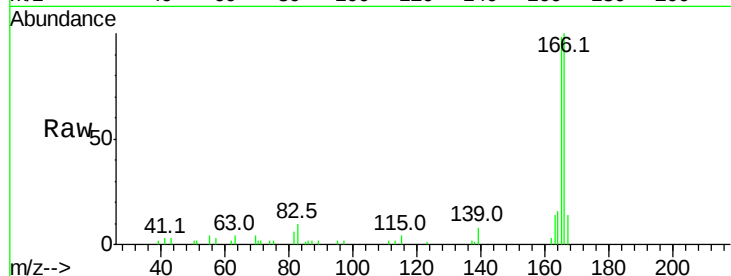
ClientSampleId :

TR-04-111717

Tot Ion	Ratio	Resp	Lower	Upper
166	100	19278		
165	97.6	79.8	119.8	
167	14.2	10.6	16.0	

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

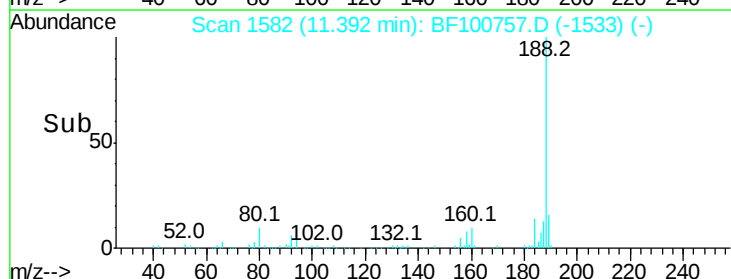
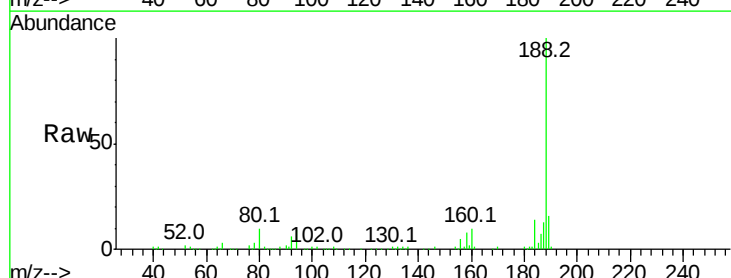
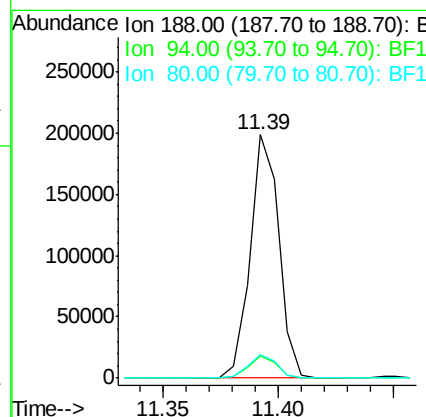
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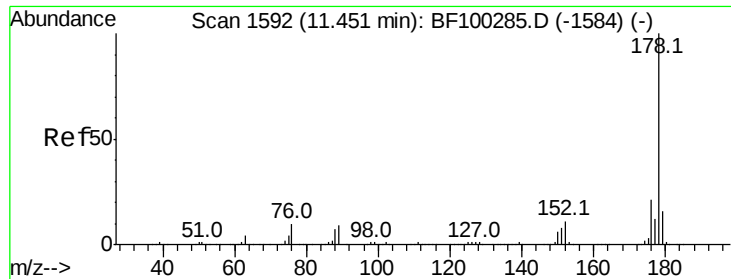
Delta R.T. -0.01 min

Lab File: BF100757.D

Acq: 21 Nov 2017 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	172176		
94	9.3	8.5	12.7	
80	9.8	9.2	13.8	





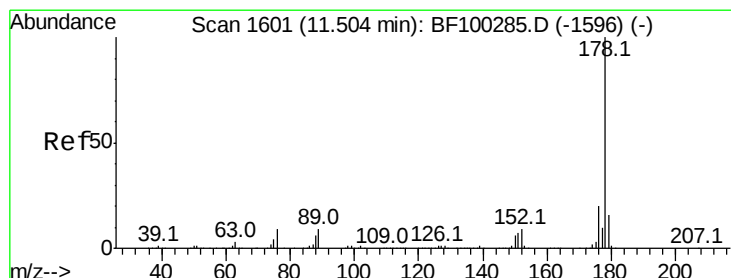
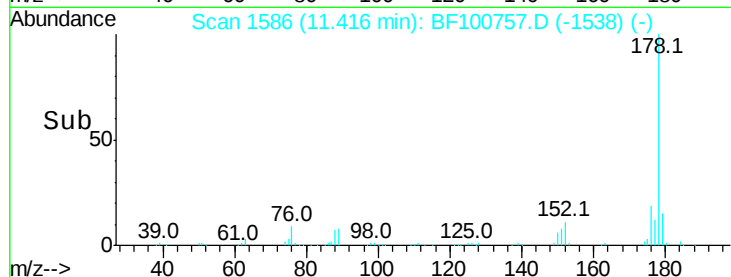
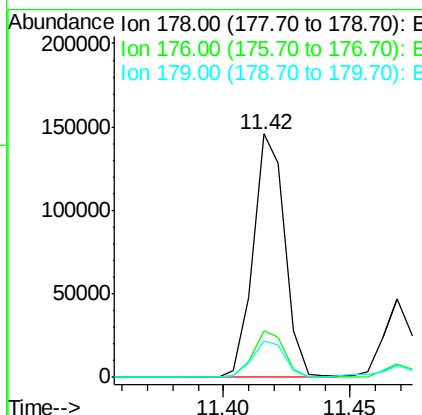
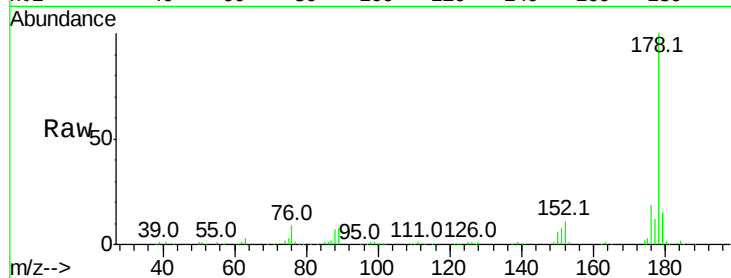
#70
Phenanthrene
Concen: 13.918 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :
TR-04-111717

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.1	13.0	19.6

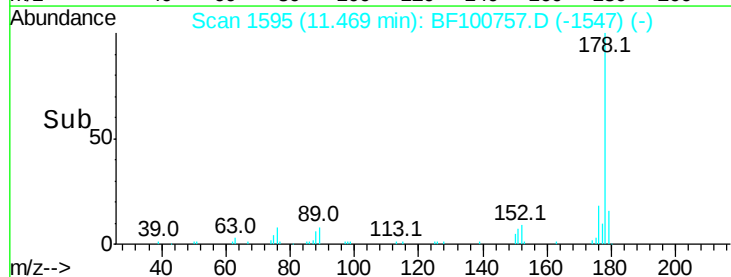
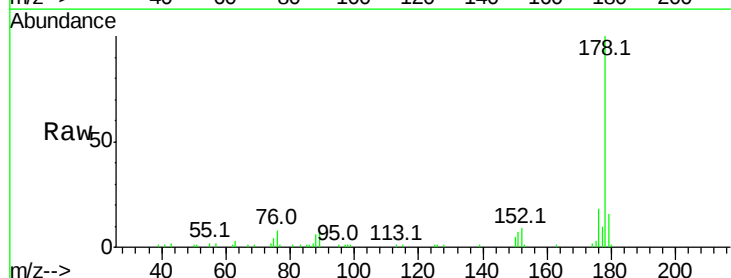
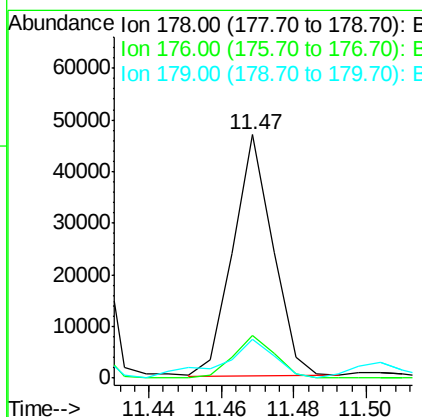
Manual Integrations
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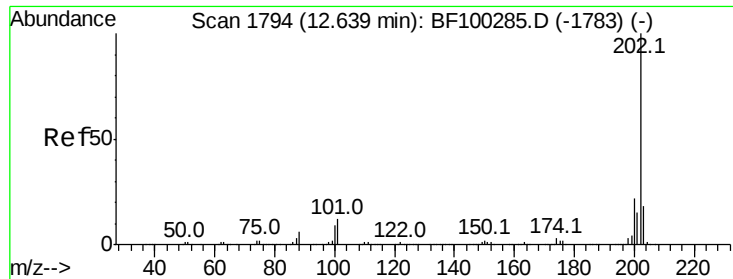
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#71
Anthracene
Concen: 3.881 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	15.8	12.6	19.0





#74

Fluoranthene

Concen: 14.756 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF100757.D

Acq: 21 Nov 2017 3:28

Instrument :

BNA_F

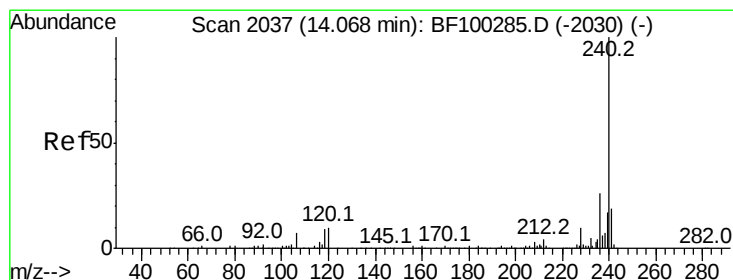
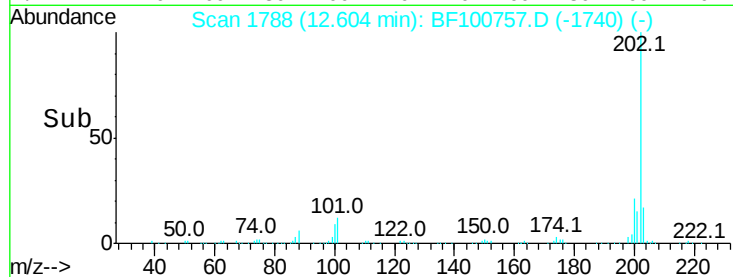
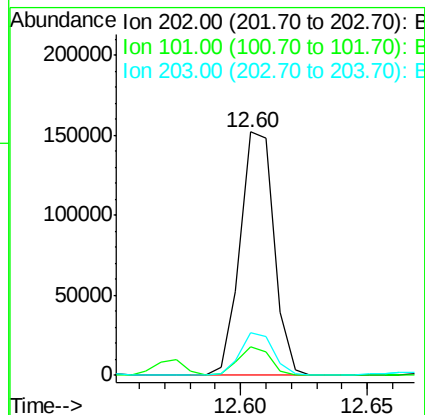
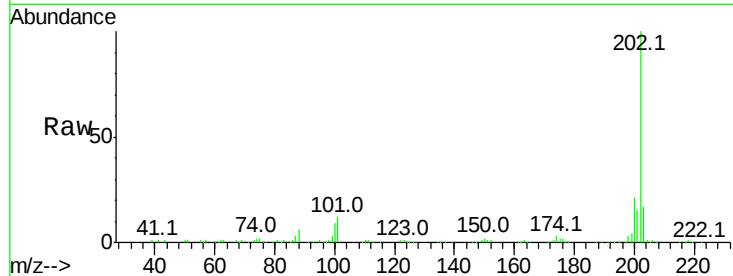
ClientSampleId :

TR-04-111717

Tot Ion:	202	Resp:	141768
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	34.1
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

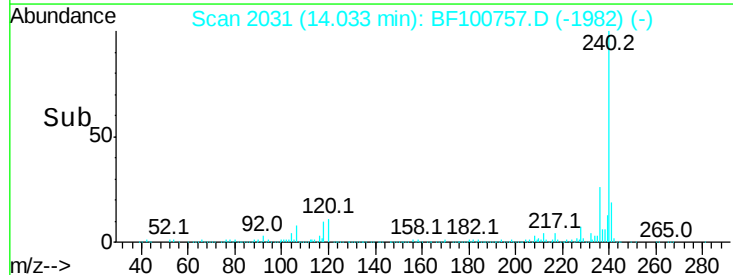
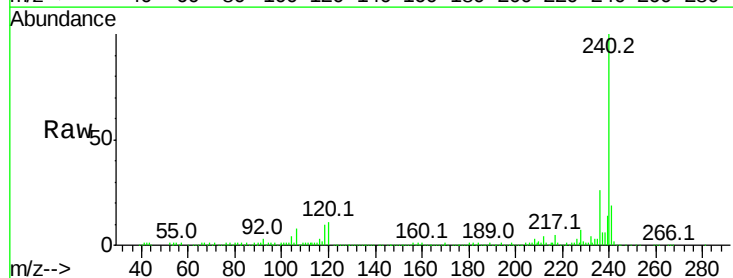
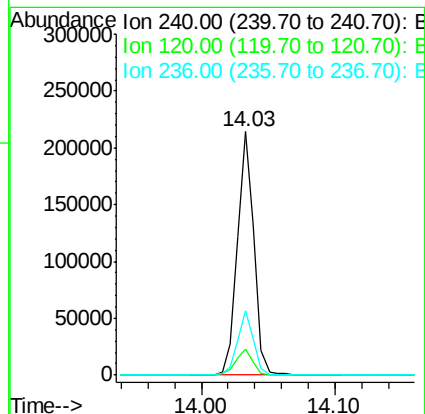
RT: 14.03 min Scan# 2031

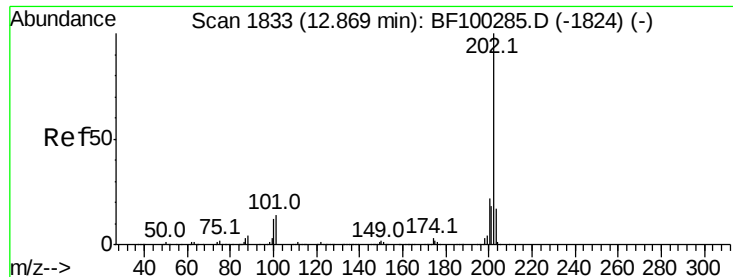
Delta R.T. -0.01 min

Lab File: BF100757.D

Acq: 21 Nov 2017 3:28

Tgt Ion:	240	Resp:	186816
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.5	14.3
236	26.2	20.7	31.1





#77

Pvrene

Concen: 10.317 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF100757.D

Acq: 21 Nov 2017 3:28

Instrument :

BNA_F

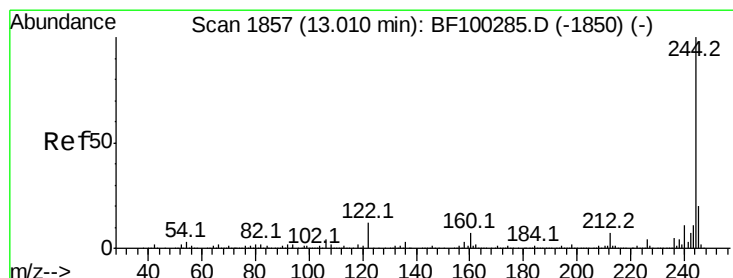
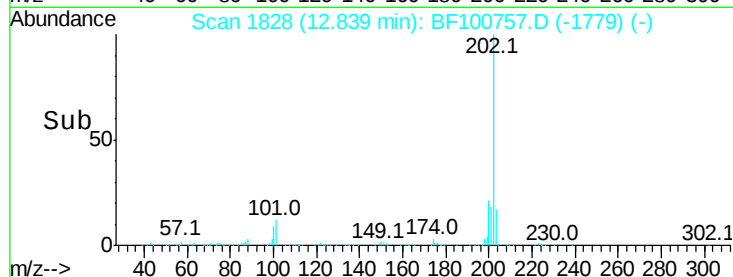
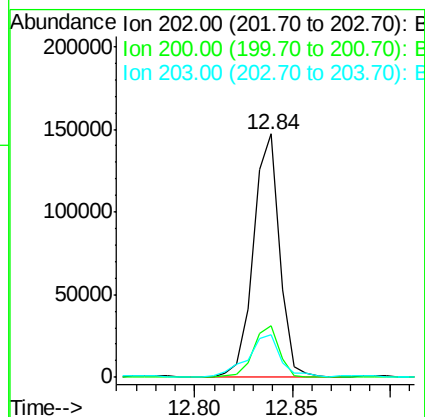
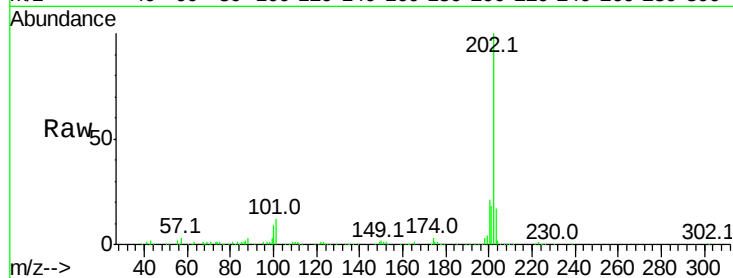
ClientSampleId :

TR-04-111717

Tot Ion:	202	Resp:	137386
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 56.109 ng

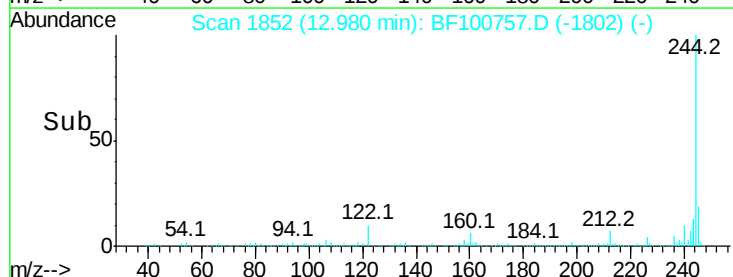
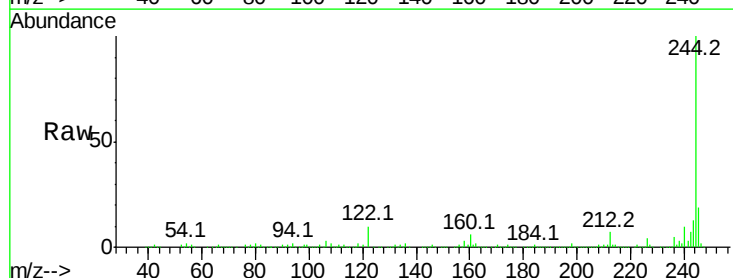
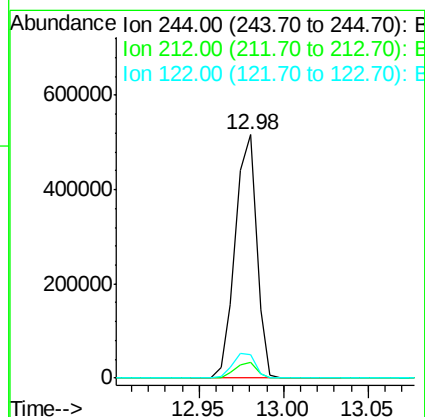
RT: 12.98 min Scan# 1852

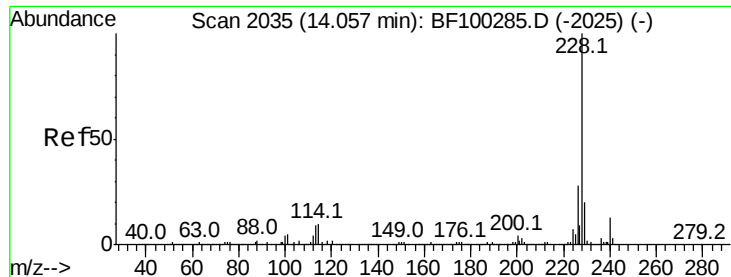
Delta R.T. -0.01 min

Lab File: BF100757.D

Acq: 21 Nov 2017 3:28

Tgt Ion:	244	Resp:	456194
Ion Ratio		Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.9	11.0	16.4#





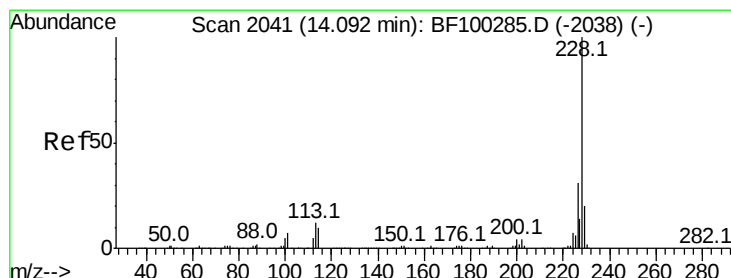
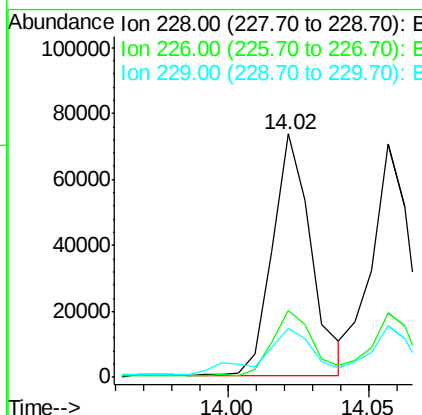
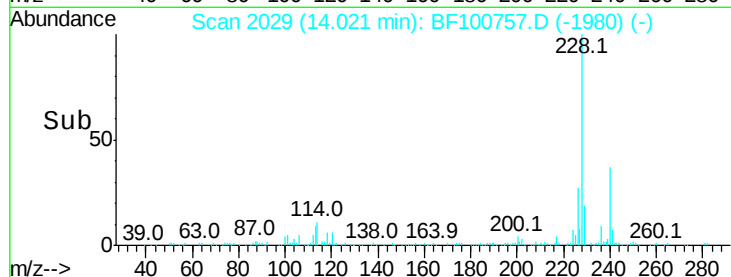
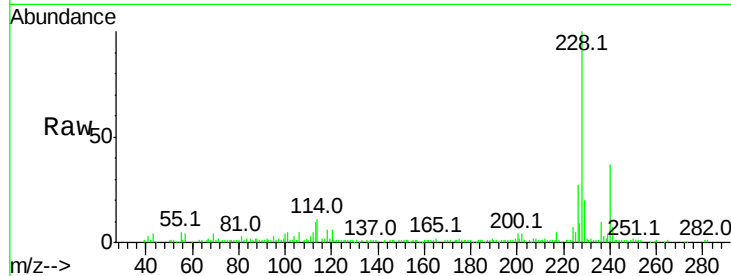
#80
Benzo(a)anthracene
Concen: 6.187 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :
TR-04-111717

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	20.3	15.8	23.6

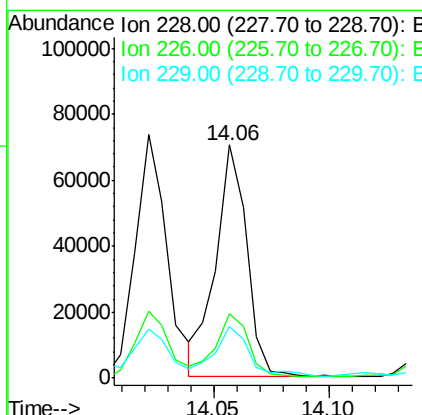
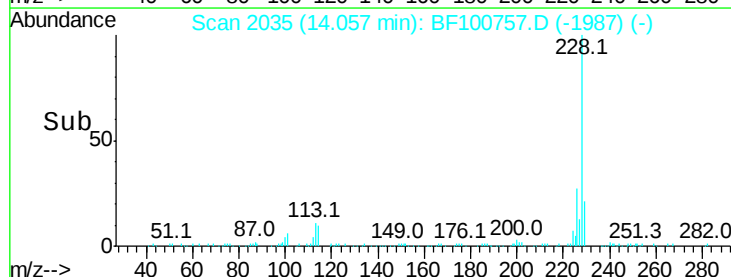
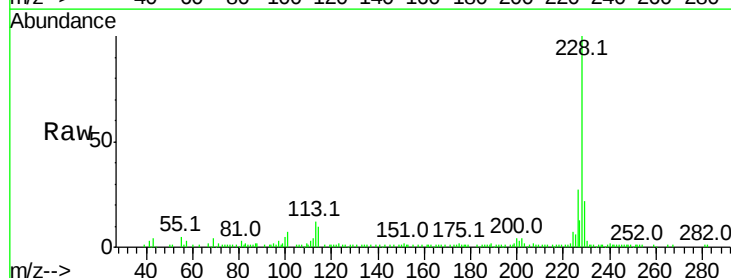
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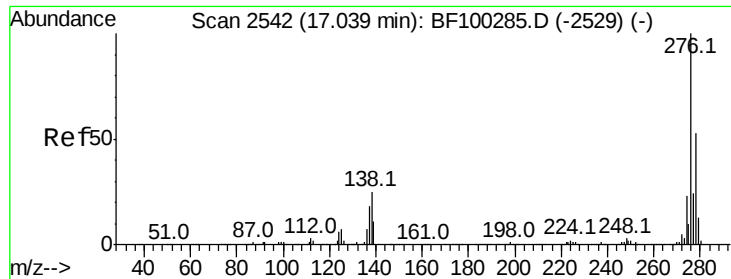
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#82
Chrysene
Concen: 6.022 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	25.0	37.6
229	22.3	16.2	24.4





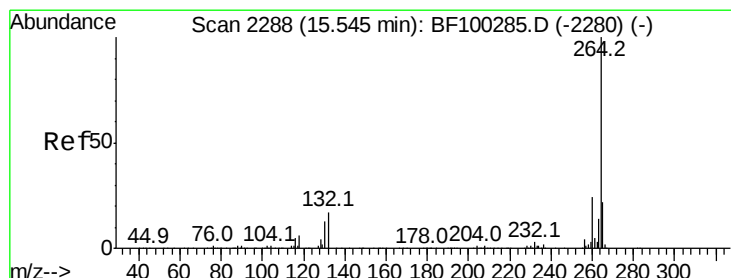
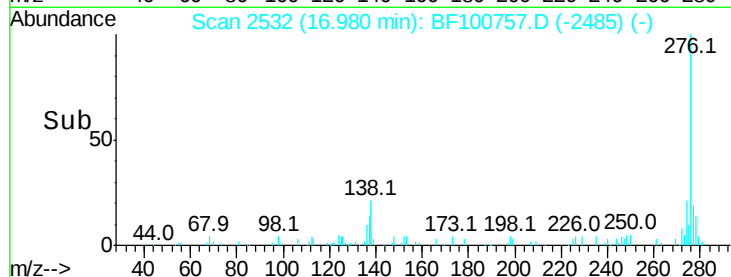
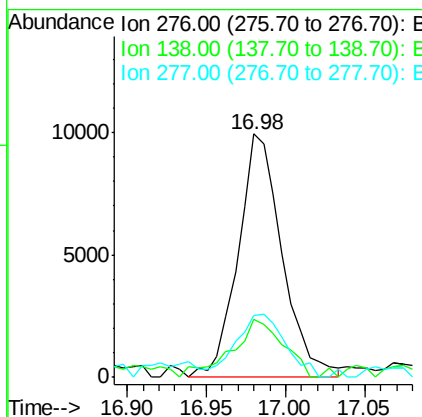
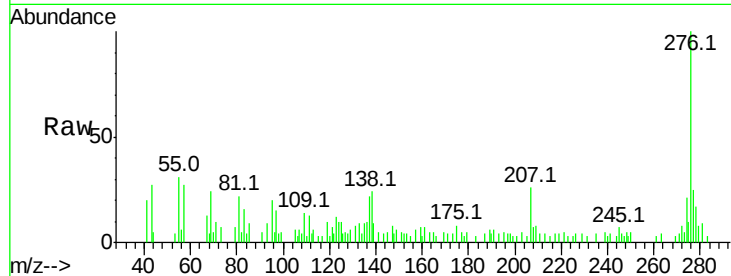
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.177 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :
TR-04-111717

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.8	25.0	37.6
277	28.9	20.1	30.1

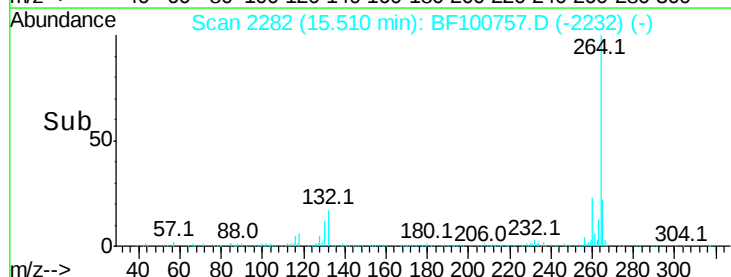
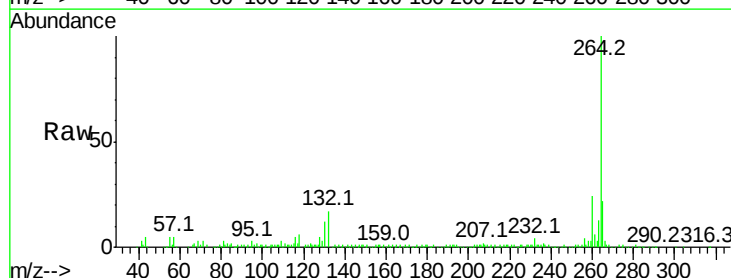
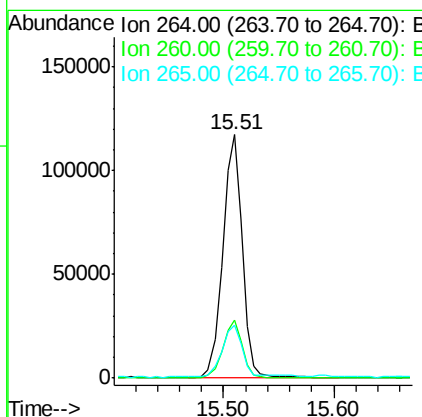
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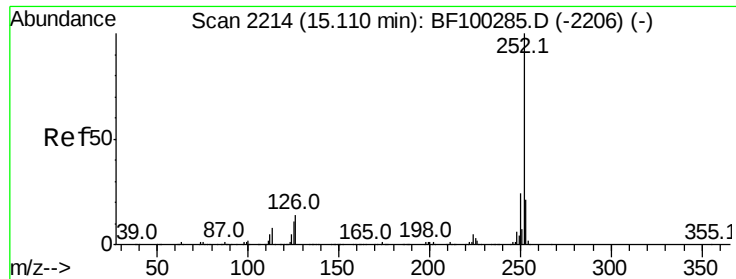
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 6.623 ng m

RT: 15.07 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BF100757.D

Acq: 21 Nov 2017 3:28

Instrument :

BNA_F

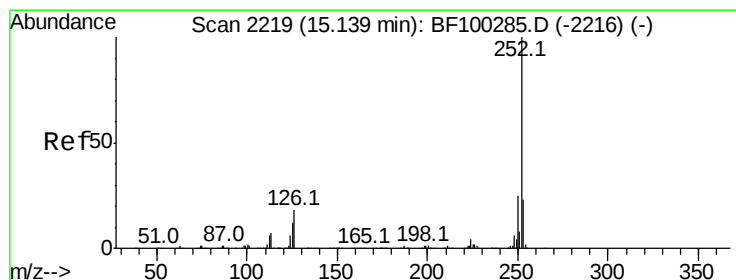
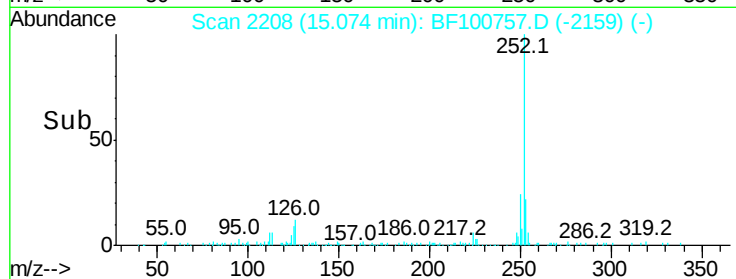
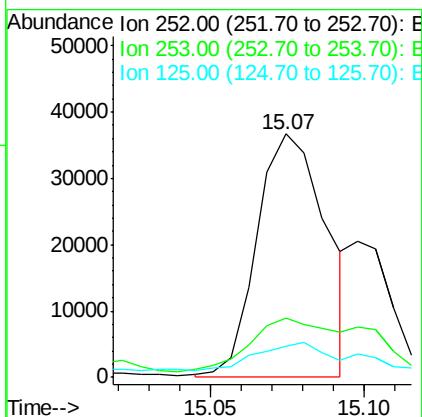
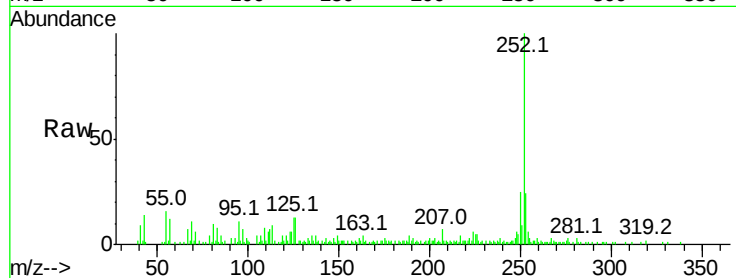
ClientSampleId :

TR-04-111717

Tot Ion:	252	Resp:	57116
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.0	25.6
125	12.7	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 2.517 ng m

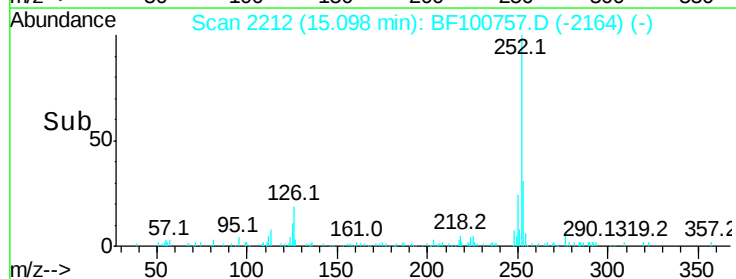
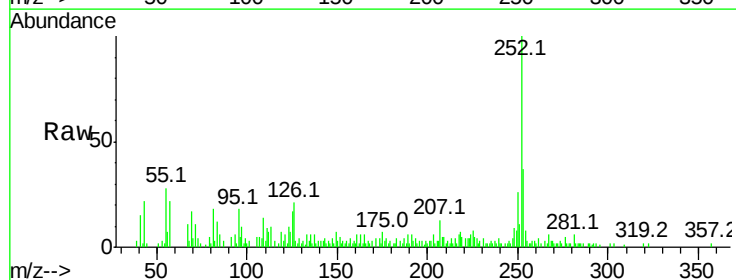
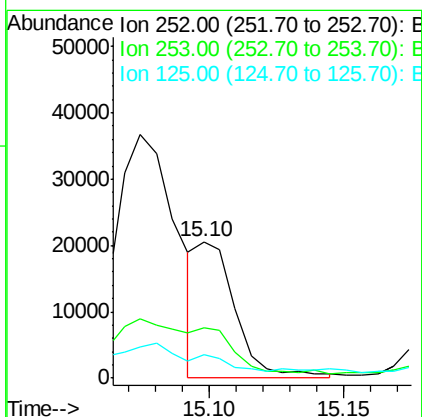
RT: 15.10 min Scan# 2212

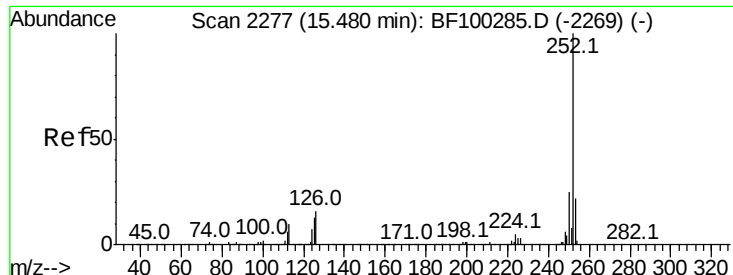
Delta R.T. -0.02 min

Lab File: BF100757.D

Acq: 21 Nov 2017 3:28

Tgt Ion:	252	Resp:	20507
Ion Ratio	Lower	Upper	
252	100		
253	36.9	17.9	26.9#
125	16.8	10.2	15.2#





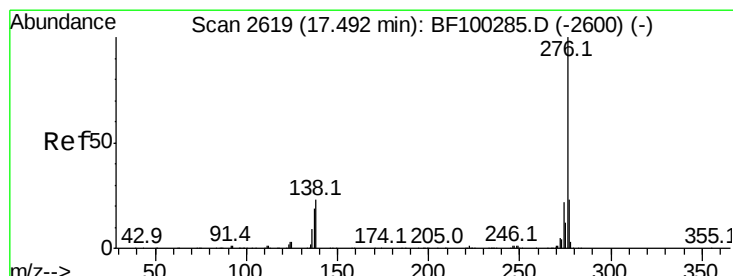
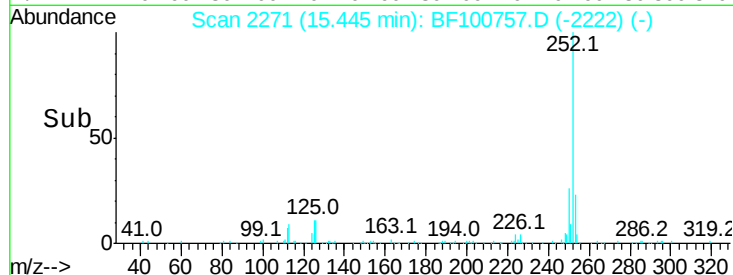
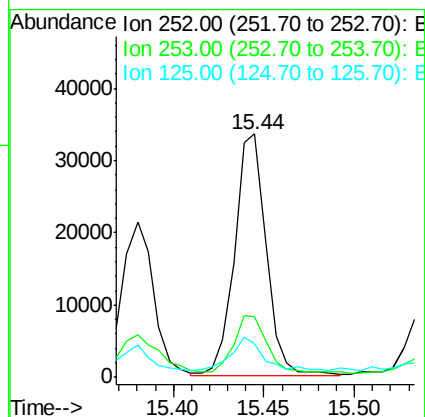
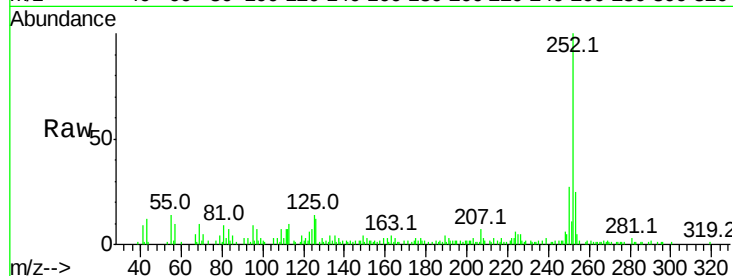
#89
Benzo(a)pyrene
Concen: 5.330 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :
TR-04-111717

Tot Ion	Ratio	Resp	Lower	Upper
252	100	40751		
253	25.1		17.1	25.7
125	13.7		9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.078 ng
RT: 17.43 min Scan# 2609
Delta R.T. -0.02 min
Lab File: BF100757.D
Acq: 21 Nov 2017 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	18840		
277	25.3		17.9	26.9
138	20.6		21.8	32.8#

