

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\
 Data File : BF100513.D
 Acq On : 13 Nov 2017 20:28
 Operator : SJ/JU
 Sample : I6311-03 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-111017

Manual Integrations
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 11/14/2017 5:20:37 PM

Quant Time: Nov 14 03:12:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 13 14:08:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	81034	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	303129	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	125381	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	198810	20.00	ng	0.00
75) Chrysene-d12	14.06	240	161710	20.00	ng	0.00
86) Perylene-d12	15.53	264	125491	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	87236	17.26	ng	0.00
7) Phenol-d6	6.50	99	120457	19.32	ng	-0.01
23) Nitrobenzene-d5	7.45	82	65987	14.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	28837	22.57	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	152531	18.52	ng	0.00
78) Terphenyl-d14	13.00	244	101629	14.44	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.19	128	35858	2.456	ng	98
49) Dimethylphthalate	9.64	163	32917	3.439	ng	98
51) Acenaphthene	9.96	154	18419	2.323	ng	97
57) Fluorene	10.47	166	31682	3.892	ng	100
70) Phenanthrene	11.44	178	272416	26.025	ng	100
71) Anthracene	11.49	178	59466	5.599	ng	99
72) Carbazole	11.64	167	22086	2.254	ng	99
74) Fluoranthene	12.63	202	320904	28.927	ng	93
77) Pyrene	12.86	202	286344	24.840	ng	98
80) Benzo(a)anthracene	14.04	228	132289	13.585	ng	95
82) Chrysene	14.08	228	109471	11.609	ng	96
85) Indeno(1,2,3-cd)pyrene	17.02	276	40407	5.298	ng	# 91
87) Benzo(b)fluoranthene	15.10	252	118340m	15.917	ng	
88) Benzo(k)fluoranthene	15.13	252	28673m	4.082	ng	
89) Benzo(a)pyrene	15.47	252	76609	11.623	ng	97
91) Benzo(g,h,i)perylene	17.47	276	38585	7.313	ng	# 91

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

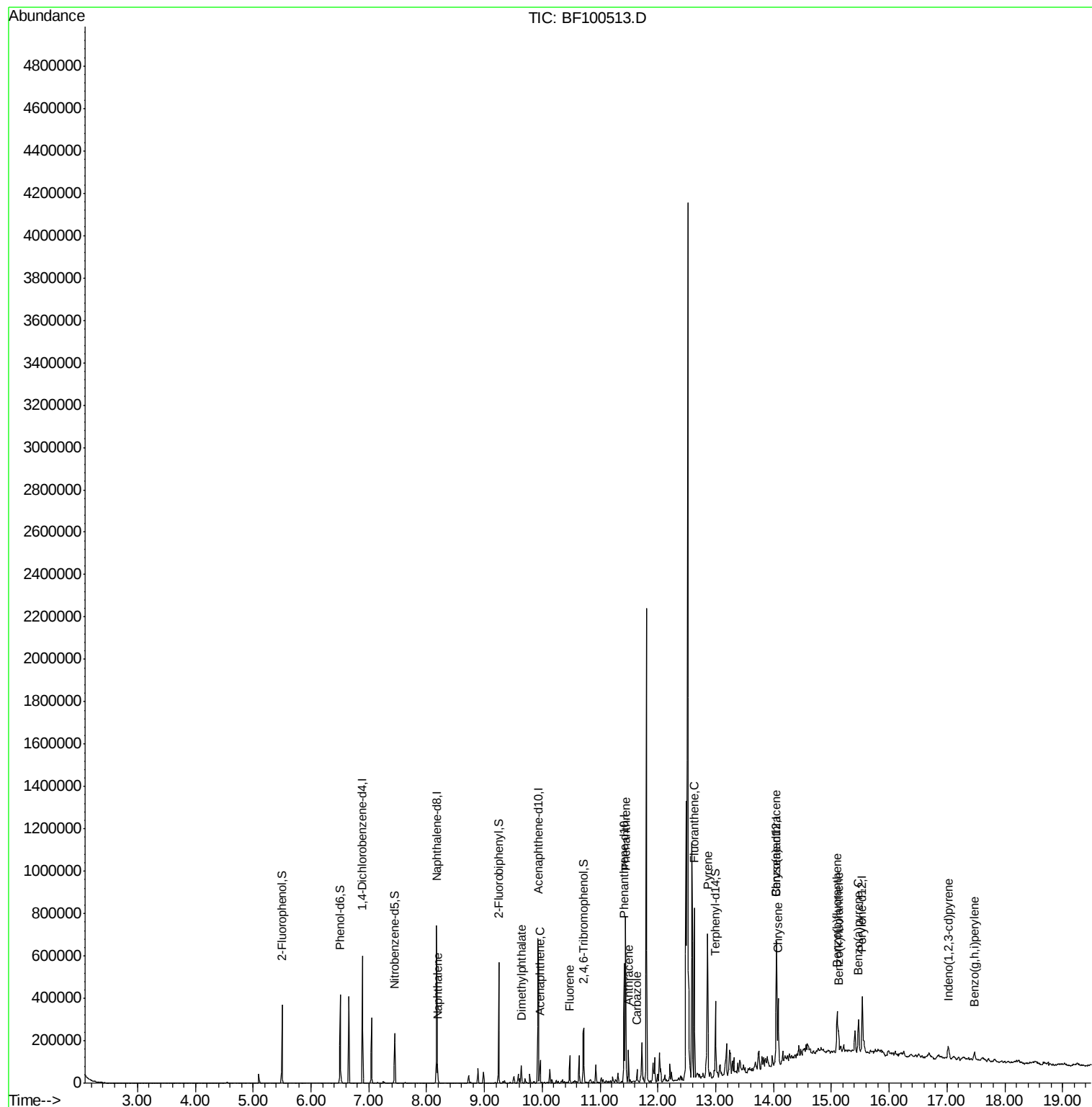
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111317\
Data File : BF100513.D
Acq On : 13 Nov 2017 20:28
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ALS Vial : 19 Sample Multiplier: 1

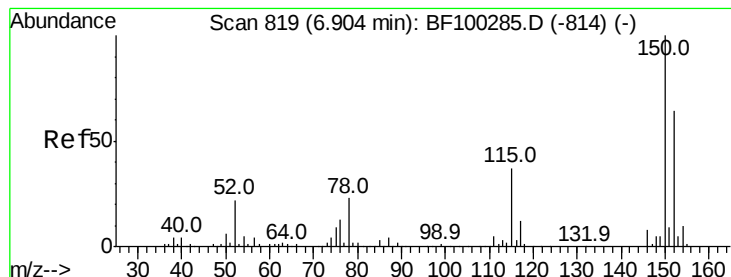
Instrument :
BNA_F
ClientSampleId :
TR-05-111017

Manual Integrations
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11/14/2017 5:20:37 PM

Quant Time: Nov 14 03:12:19 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

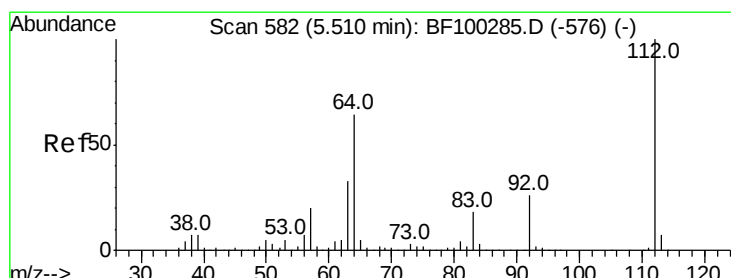
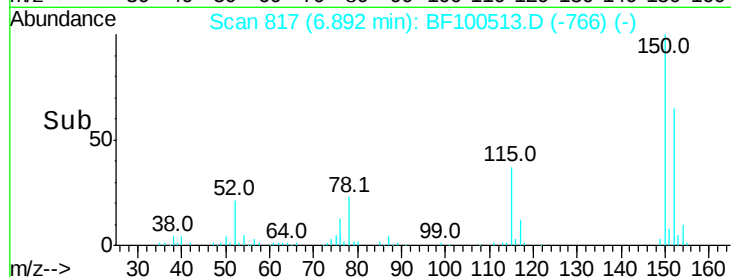
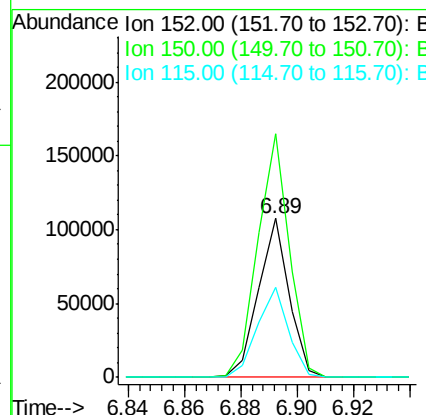
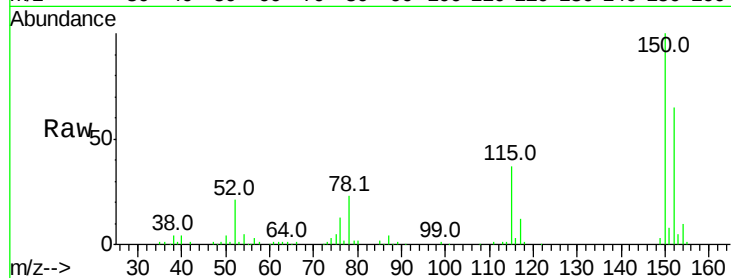
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Instrument :
BNA_F
ClientSampleId :
TR-05-111017

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	56.9	50.1	75.1

Manual Integrations
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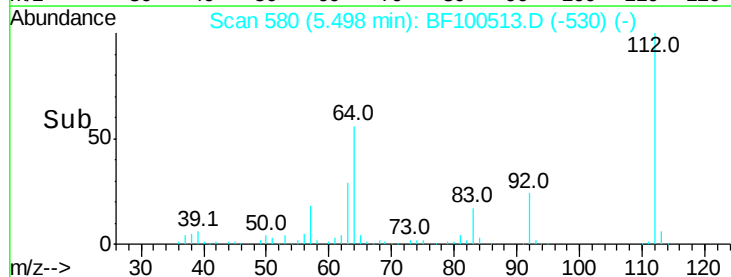
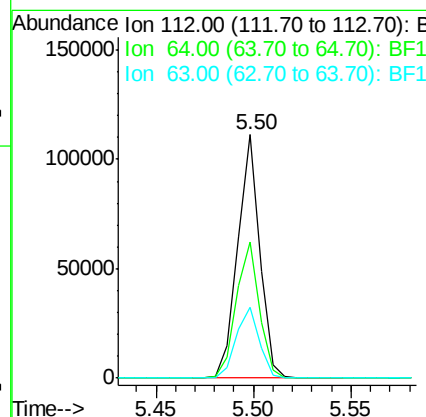
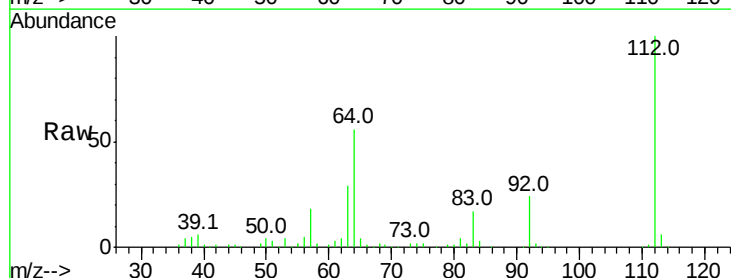
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#5

2-Fluorophenol
Concen: 17.257 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	47.9	71.9
63	29.1	23.7	35.5





#7

Phenol-d6

Concen: 19.323 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100513.D

Acq: 13 Nov 2017 20:28

Instrument :

BNA_F

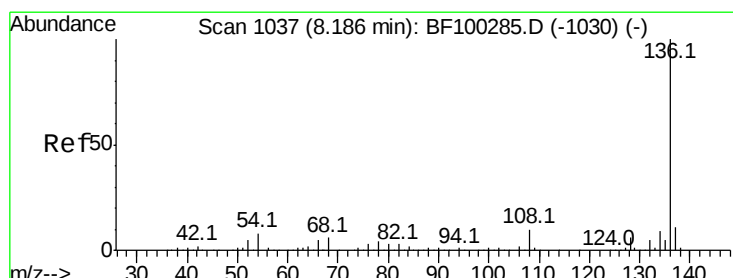
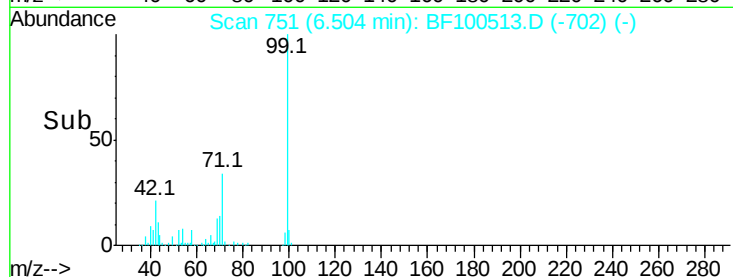
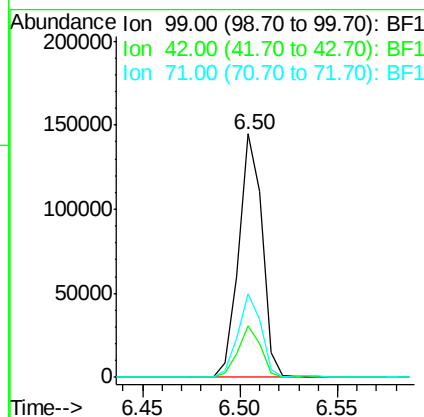
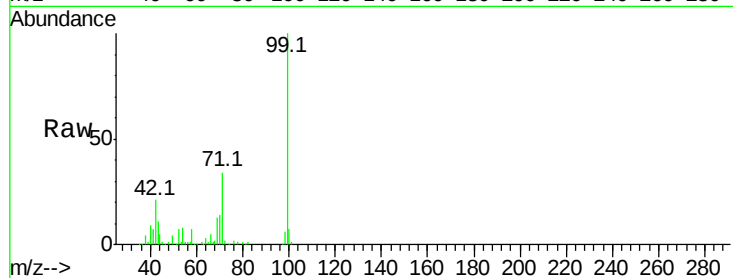
ClientSampleId :

TR-05-111017

Tot Ion	99	Resp	120457
Ion Ratio	Lower	Upper	
99	100		
42	21.4	14.5	21.7
71	34.4	25.4	38.0

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

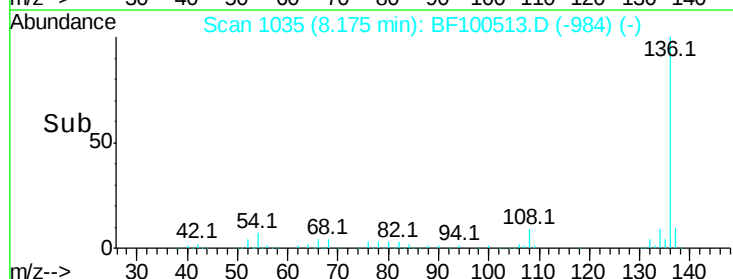
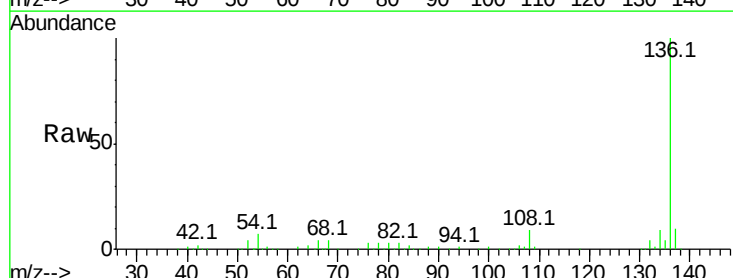
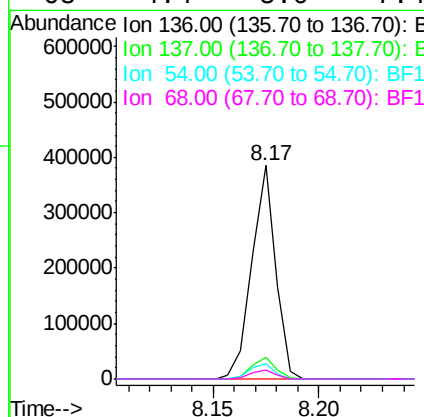
RT: 8.17 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF100513.D

Acq: 13 Nov 2017 20:28

Tgt Ion	136	Resp	303129
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.9	13.3
54	7.3	6.6	9.8
68	4.4	5.0	7.4#





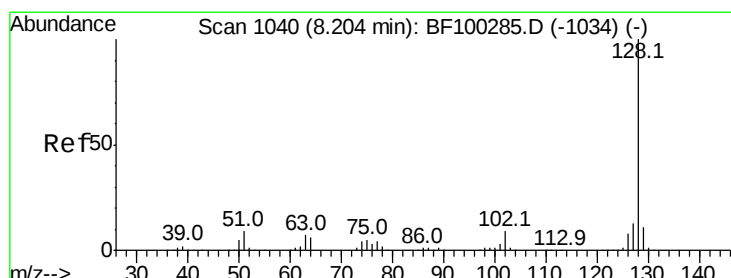
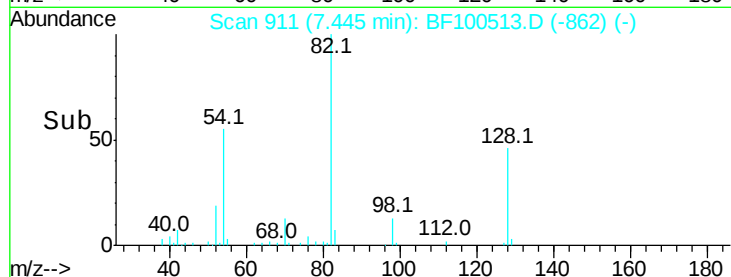
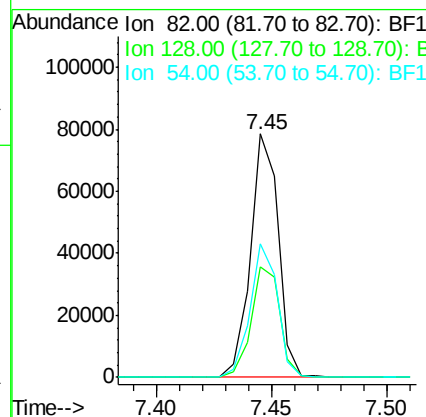
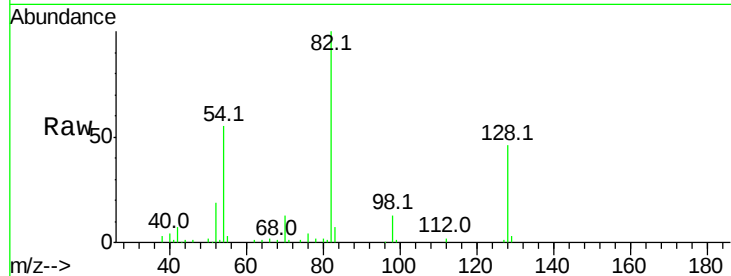
#23
Nitrobenzene-d5
Concen: 14.392 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Instrument :
BNA_F
ClientSampleId :
TR-05-111017

Tot Ion	82	Resp	65987
Ion Ratio	100	Lower	Upper
128	45.6	36.1	54.1
54	55.0	41.4	62.2

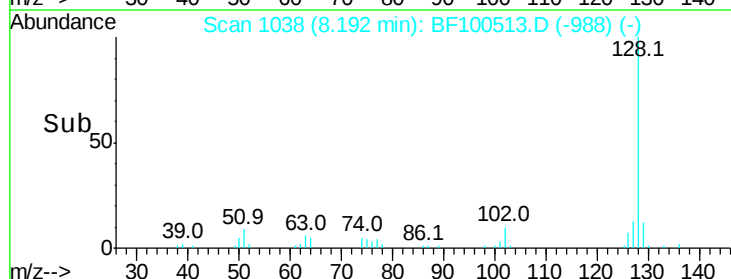
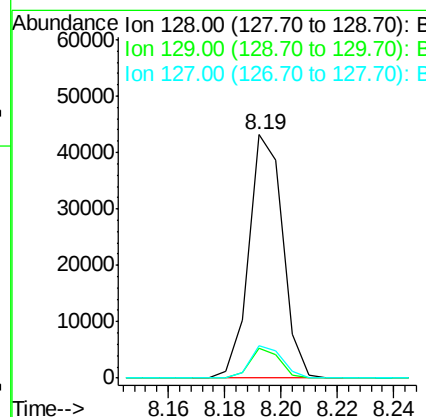
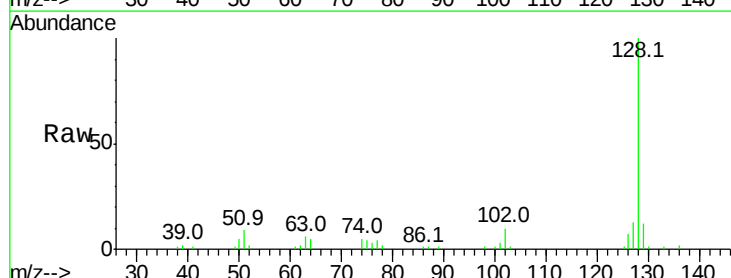
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#31
Naphthalene
Concen: 2.456 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Tgt Ion	128	Resp	35858
Ion Ratio	100	Lower	Upper
129	12.0	8.8	13.2
127	13.3	10.9	16.3





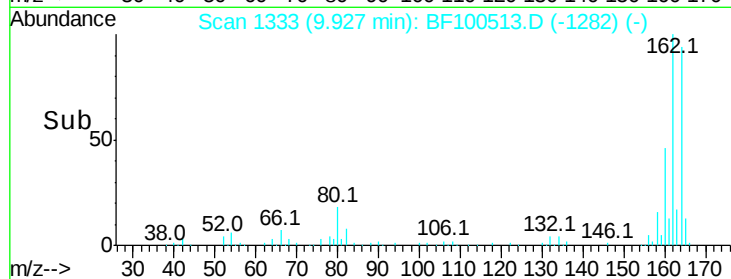
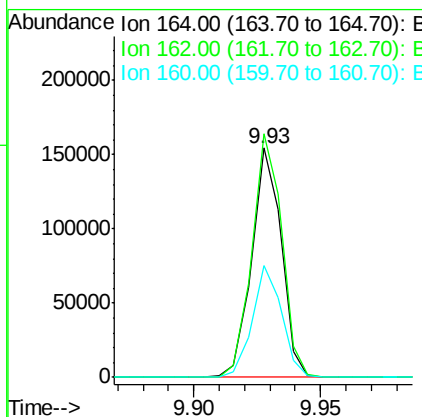
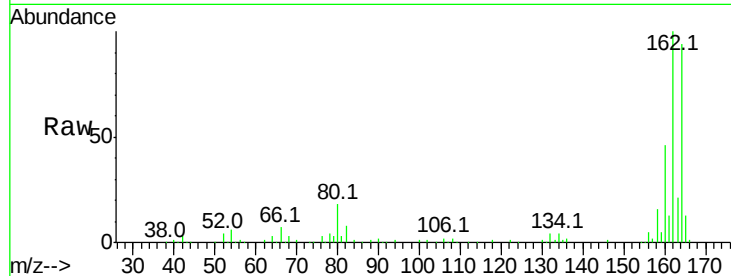
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Instrument :
BNA_F
ClientSampleId :
TR-05-111017

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.1	86.1	129.1
160	48.8	38.3	57.5

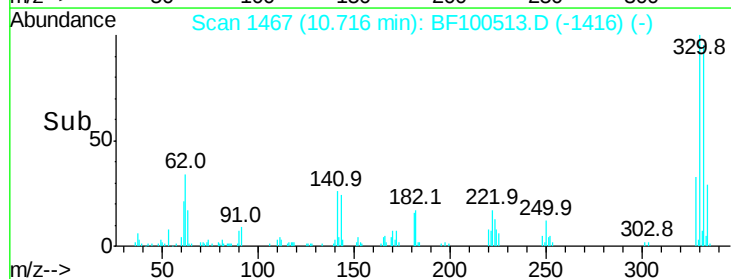
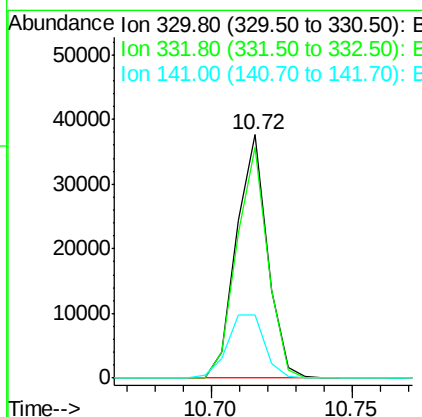
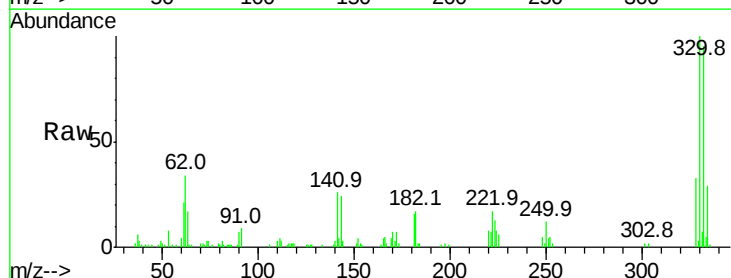
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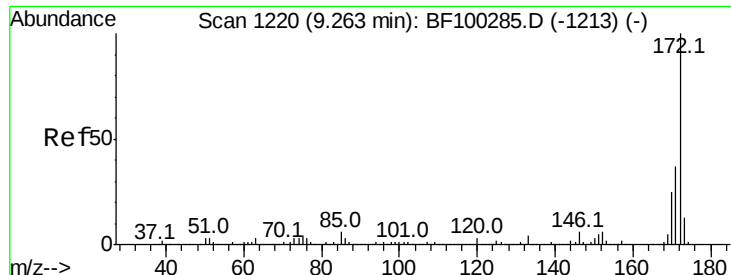
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#41
2,4,6-Tribromophenol
Concen: 22.571 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.00 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.0	115.6
141	31.3	29.9	44.9





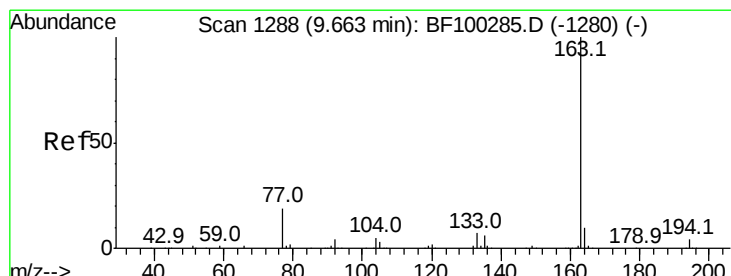
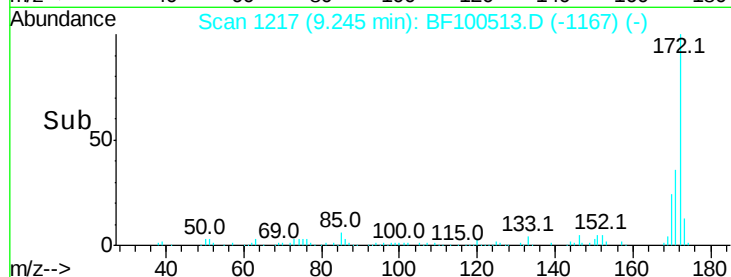
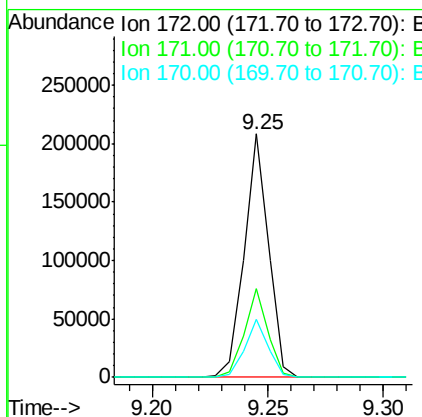
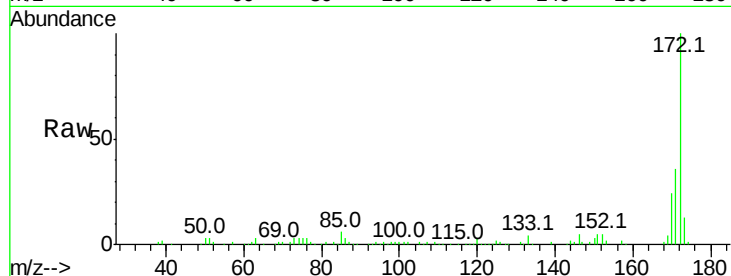
#44
2-Fluorobiphenyl
Concen: 18.524 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Instrument :
BNA_F
ClientSampleId :
TR-05-111017

Tot Ion	Ratio	Resp	Lower	Upper
172	100	152531		
171	36.2		29.7	44.5
170	23.7		19.6	29.4

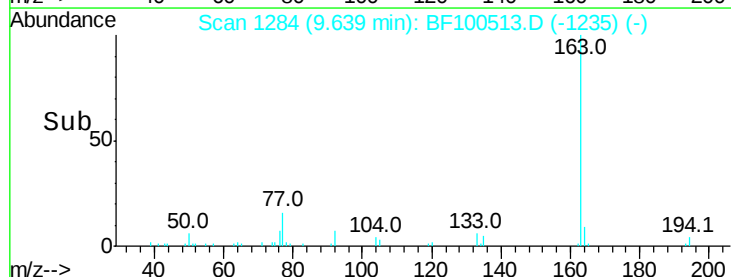
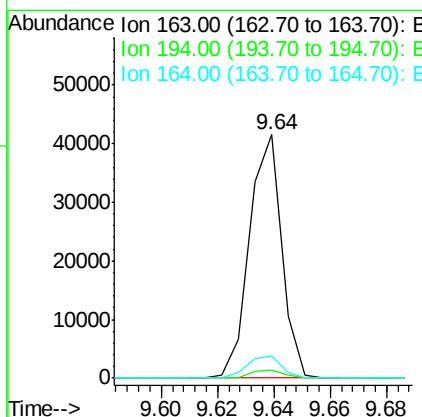
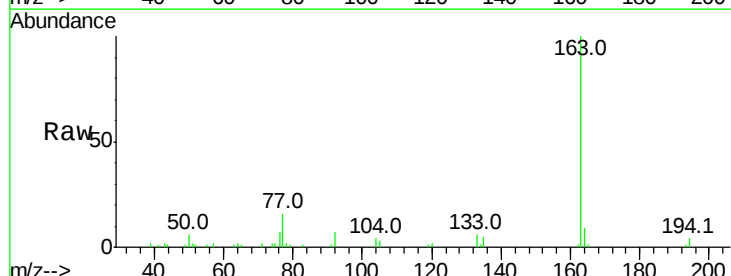
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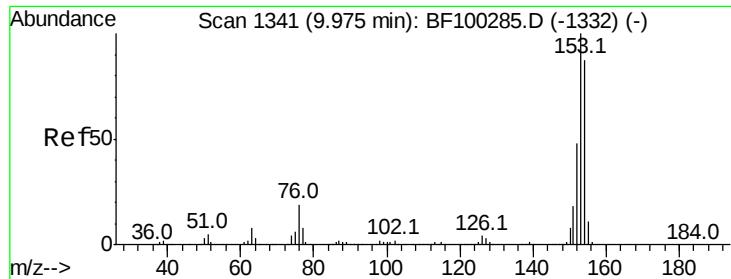
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#49
Dimethylphthalate
Concen: 3.439 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	32917		
194	3.6		2.7	4.1
164	9.0		8.2	12.2





#51

Acenaphthene

Concen: 2.323 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF100513.D

Acq: 13 Nov 2017 20:28

Instrument :

BNA_F

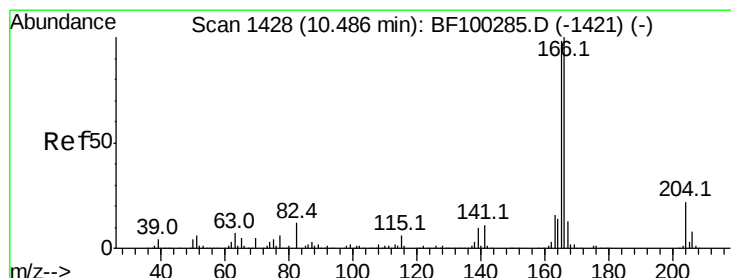
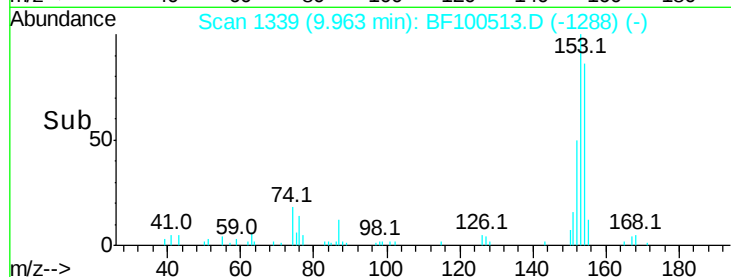
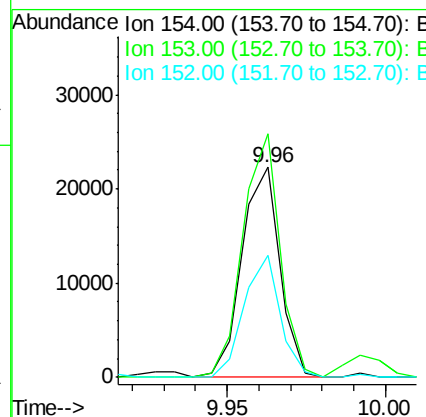
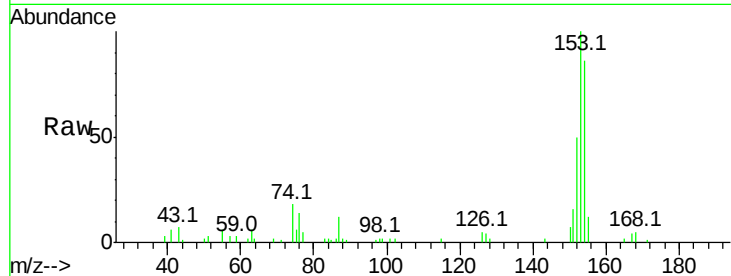
ClientSampleId :

TR-05-111017

Tot Ion:	154	Resp:	18419
Ion Ratio	Lower	Upper	
154	100		
153	115.9	91.2	136.8
152	58.0	43.8	65.8

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#57

Fluorene

Concen: 3.892 ng

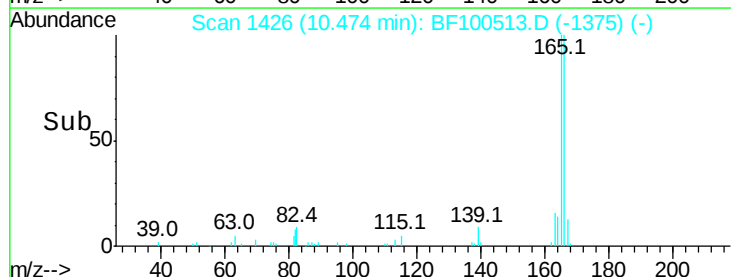
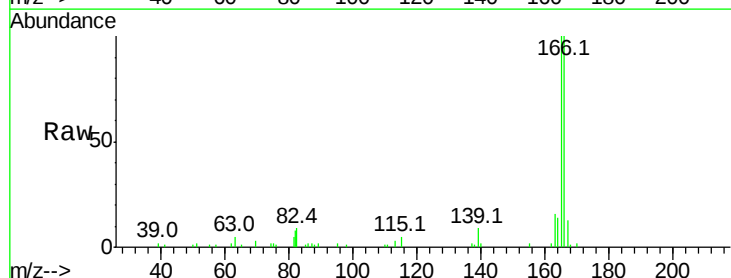
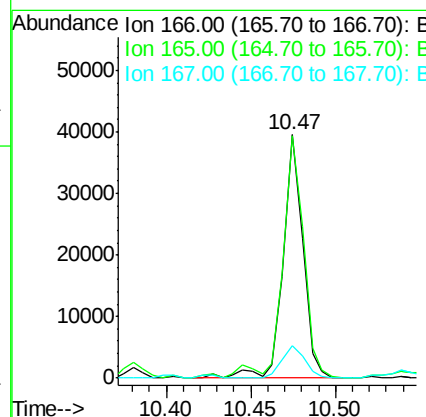
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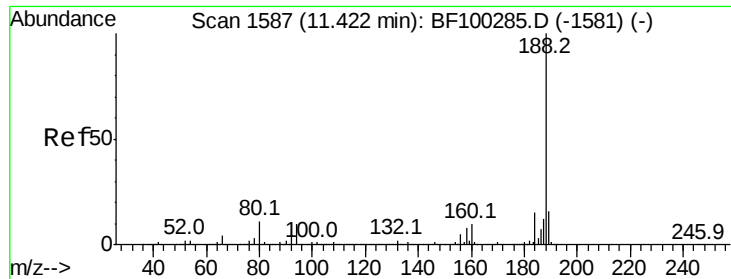
Delta R.T. 0.00 min

Lab File: BF100513.D

Acq: 13 Nov 2017 20:28

Tgt Ion:	166	Resp:	31682
Ion Ratio	Lower	Upper	
166	100		
165	99.8	79.8	119.8
167	13.1	10.6	16.0





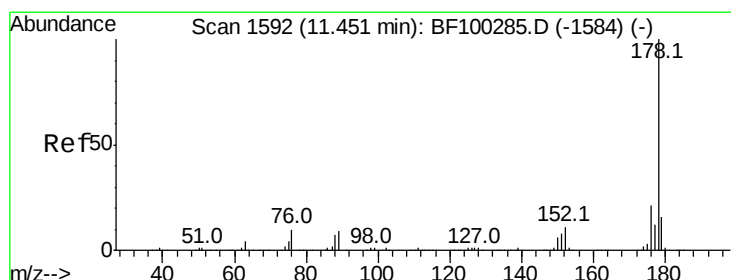
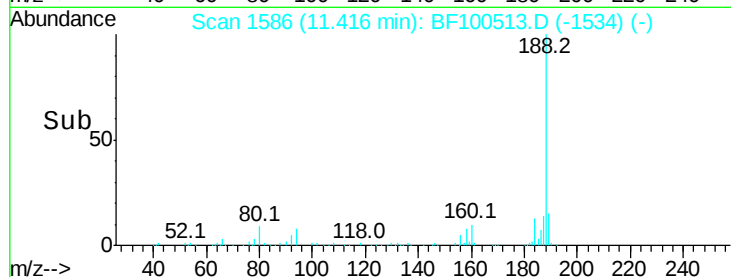
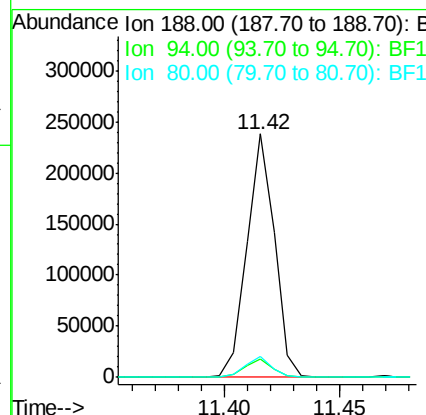
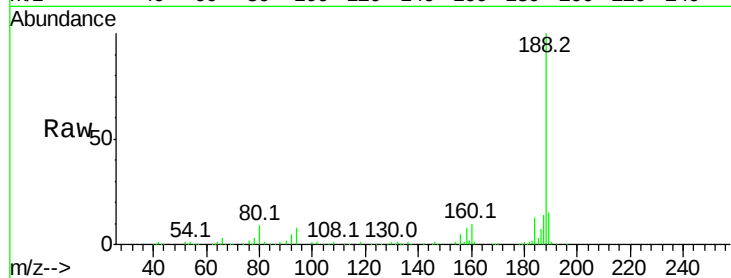
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Instrument :
BNA_F
ClientSampleId :
TR-05-111017

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.7	9.2	13.8#

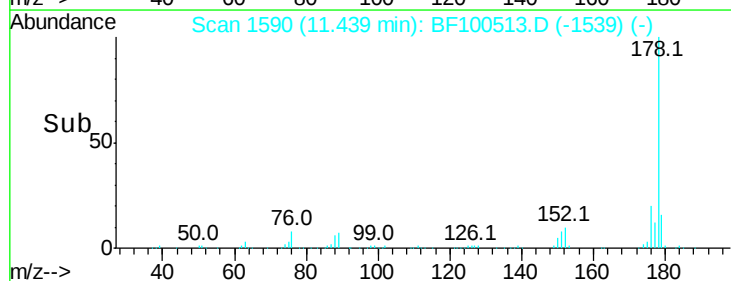
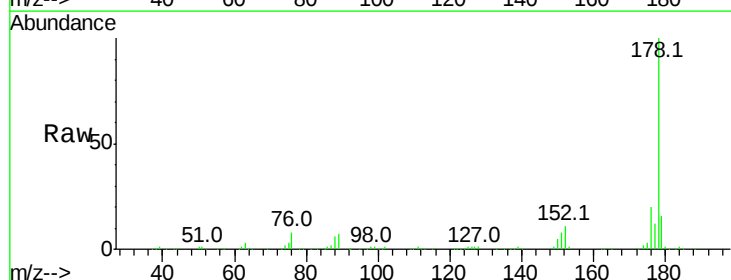
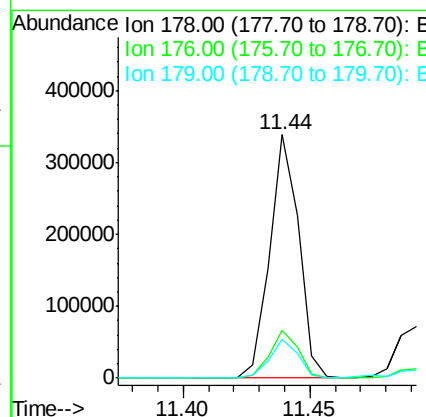
Manual Integrations
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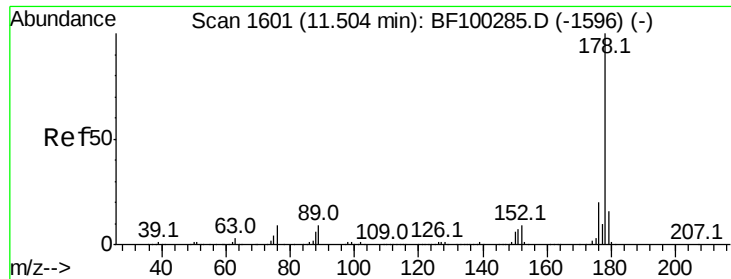
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#70
Phenanthrene
Concen: 26.025 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.8	23.8
179	16.1	13.0	19.6





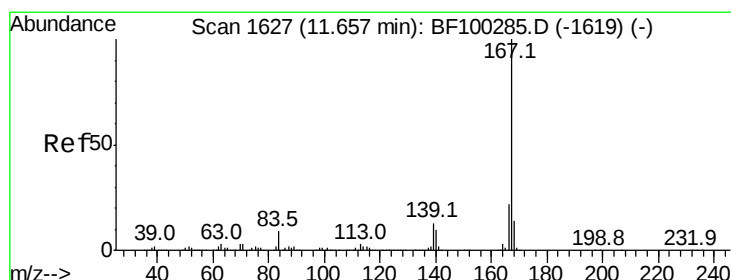
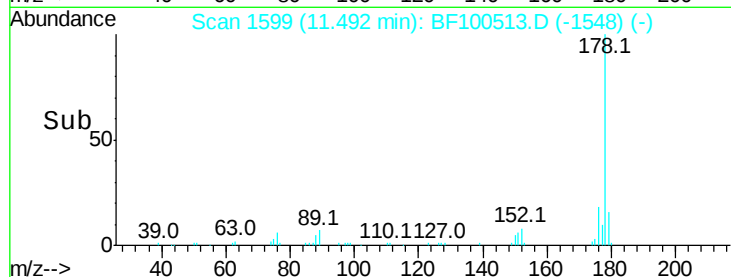
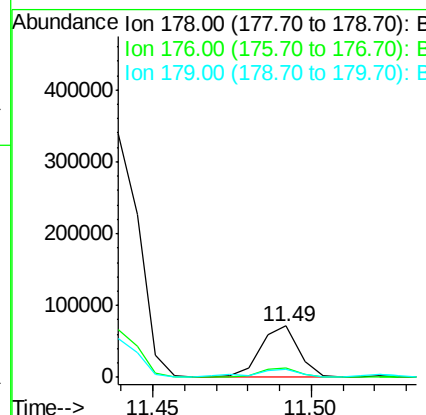
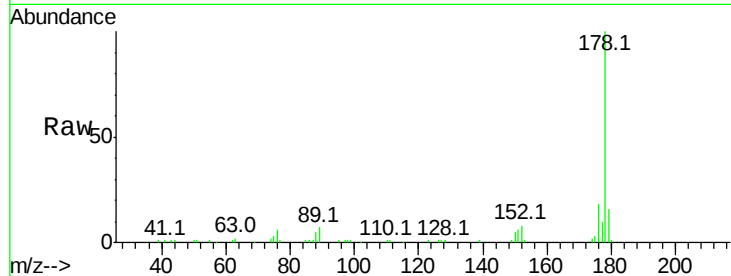
#71
 Anthracene
 Concen: 5.599 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: BF100513.D
 Acq: 13 Nov 2017 20:28

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-111017

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.8	12.6	19.0

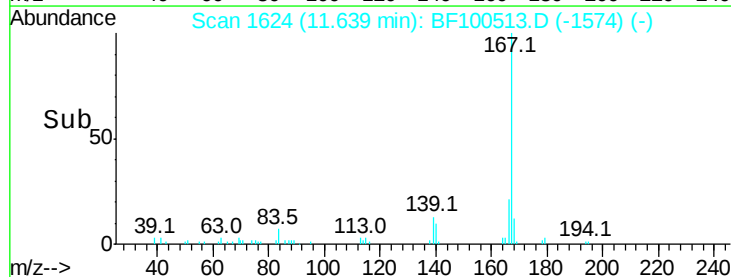
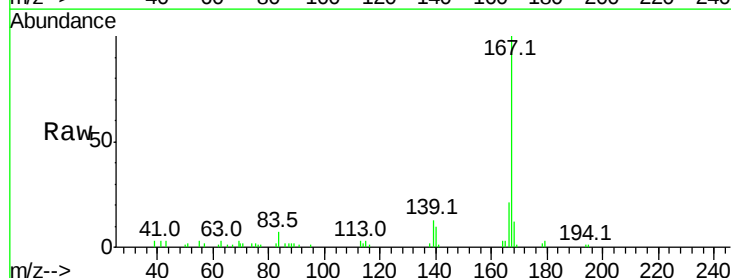
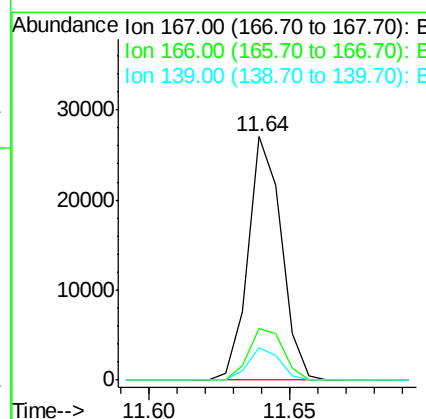
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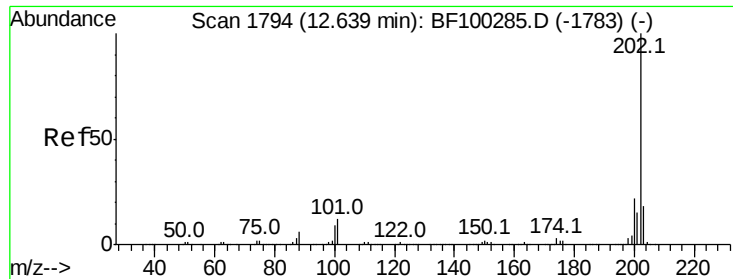
SOHIL
 11/14/2017 5:20:37 PM



#72
 Carbazole
 Concen: 2.254 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF100513.D
 Acq: 13 Nov 2017 20:28

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.6	26.4
139	13.1	10.9	16.3





#74

Fluoranthene

Concen: 28.927 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF100513.D

Acq: 13 Nov 2017 20:28

Instrument :

BNA_F

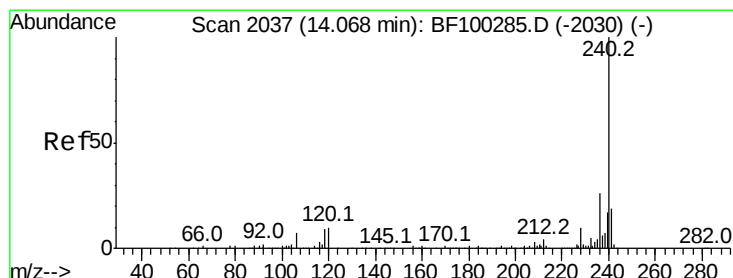
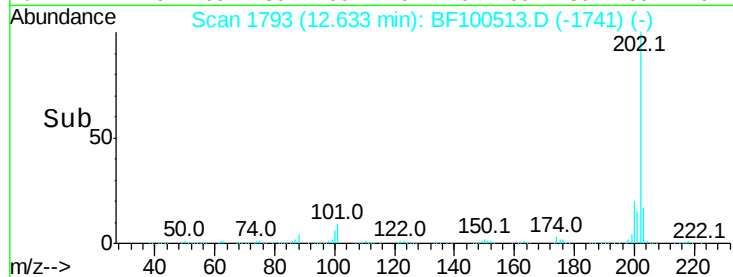
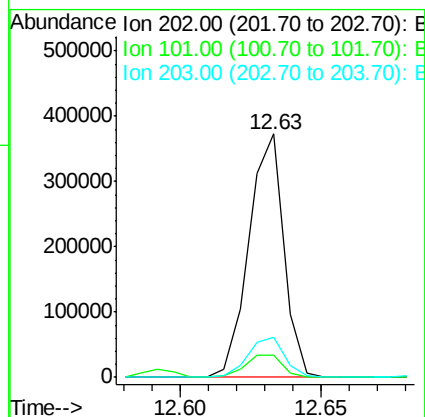
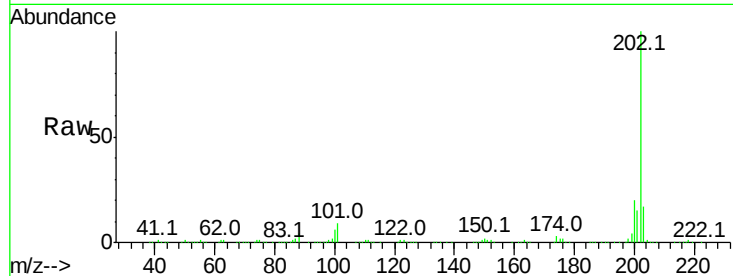
ClientSampleId :

TR-05-111017

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.9	0.0	34.1
203	16.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

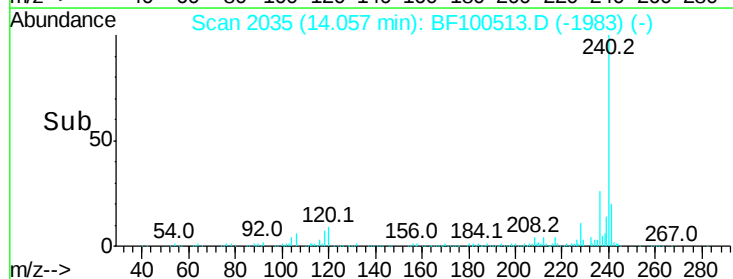
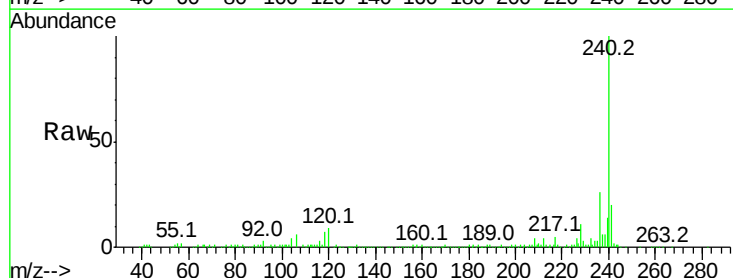
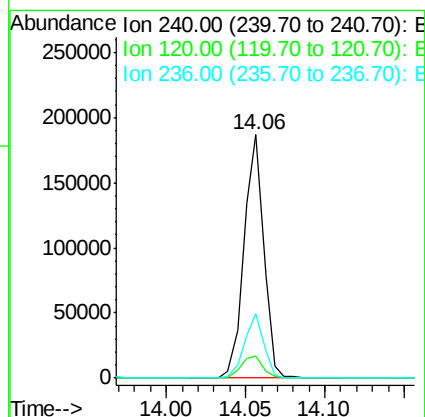
RT: 14.06 min Scan# 2035

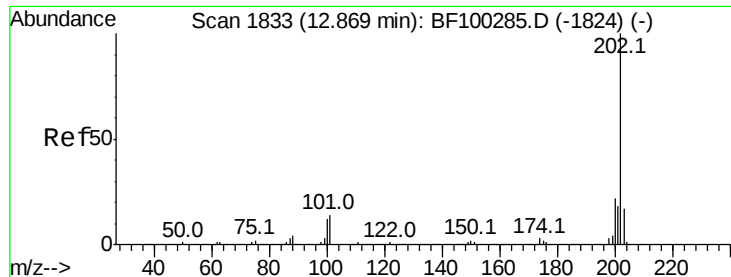
Delta R.T. 0.01 min

Lab File: BF100513.D

Acq: 13 Nov 2017 20:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.0	9.5	14.3#
236	26.3	20.7	31.1





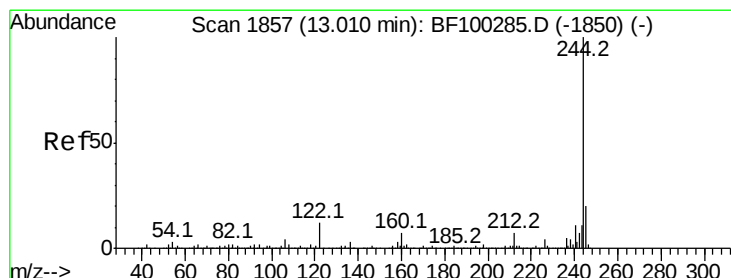
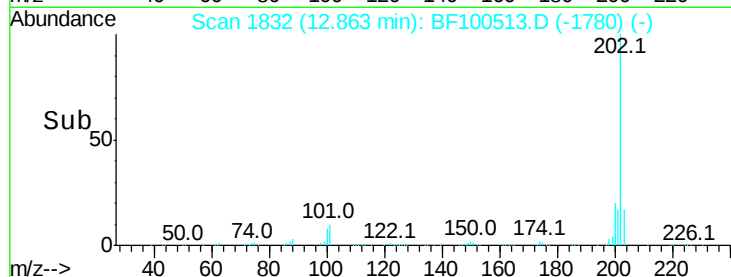
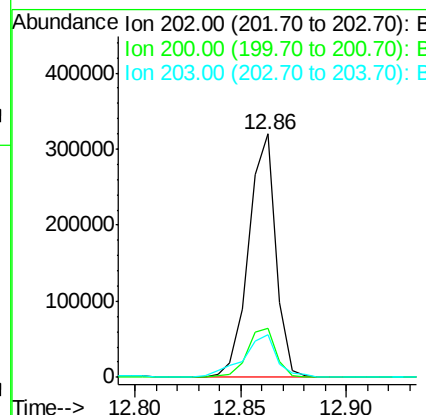
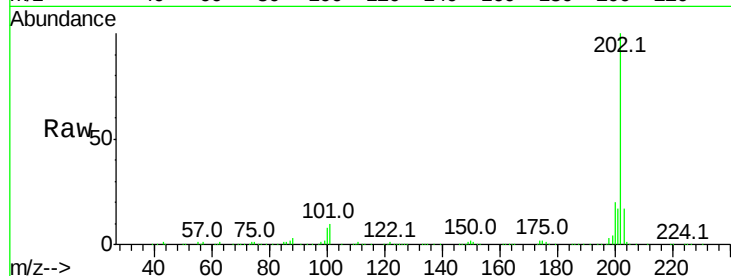
#77
Pvrene
Concen: 24.840 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Instrument :
BNA_F
ClientSampleId :
TR-05-111017

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	17.3	14.3	21.5

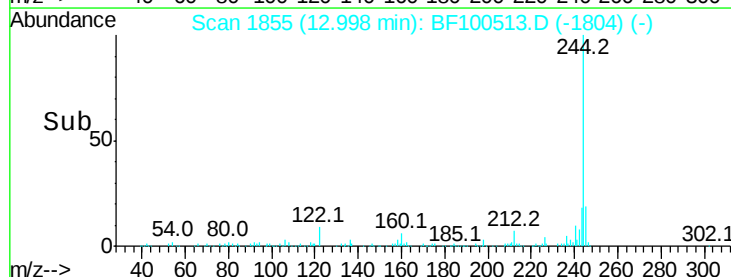
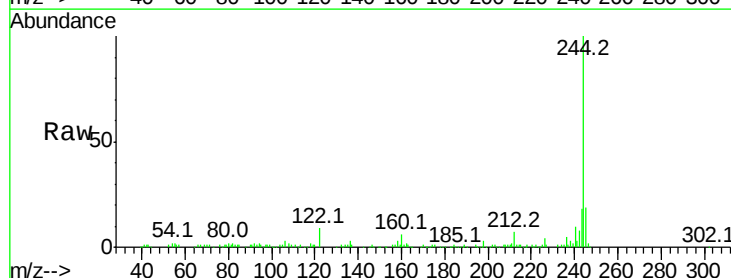
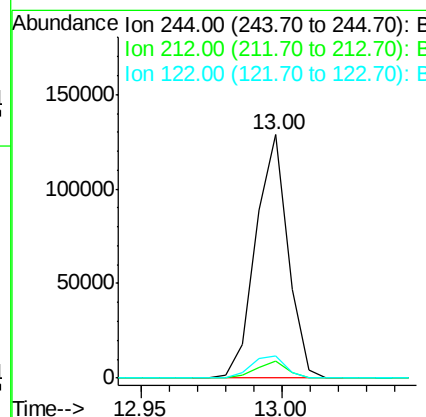
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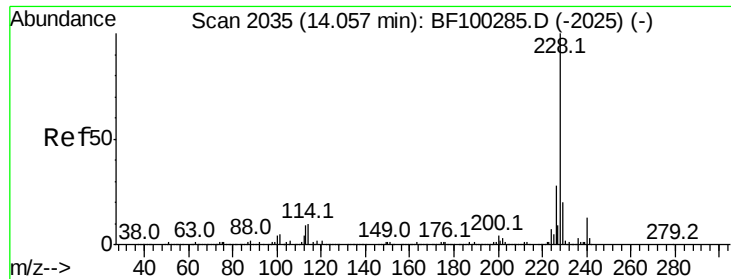
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#78
Terphenyl-d14
Concen: 14.440 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	8.9	11.0	16.4#





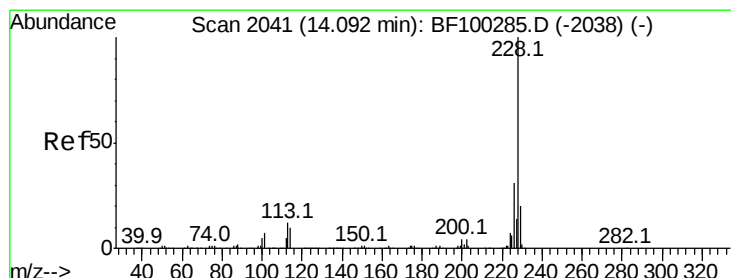
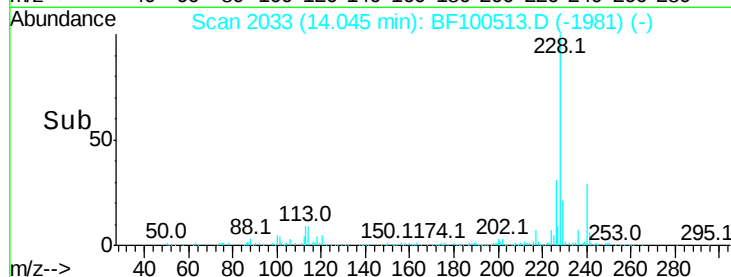
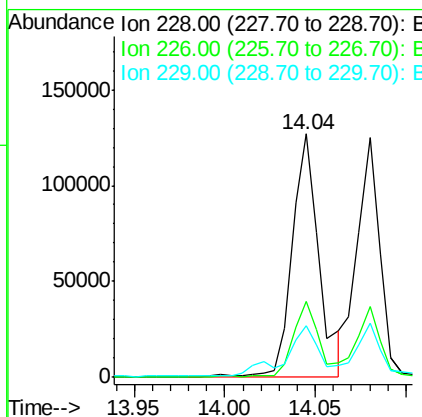
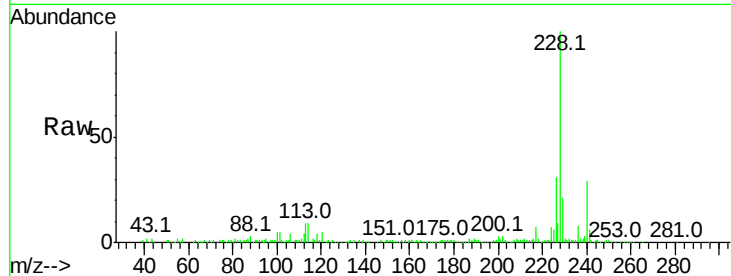
#80
Benzo(a)anthracene
Concen: 13.585 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Instrument :
BNA_F
ClientSampleId :
TR-05-111017

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	33.8
229	21.4	15.8	23.6

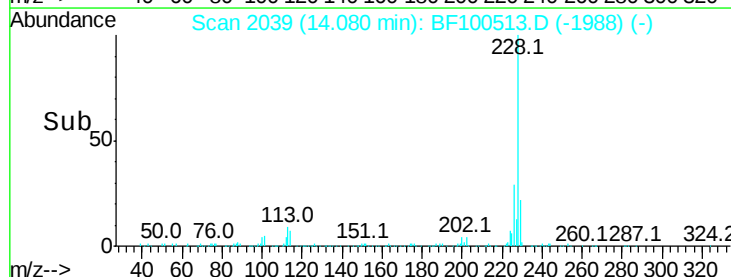
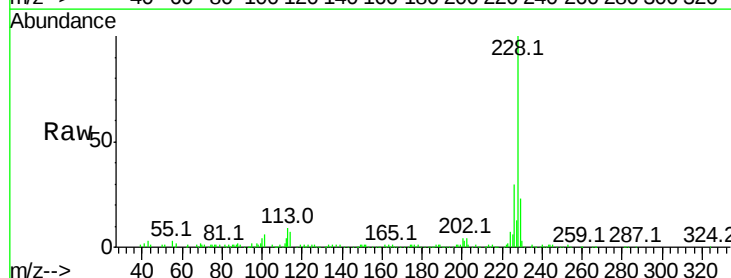
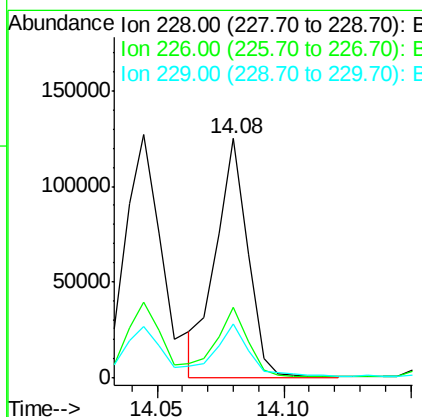
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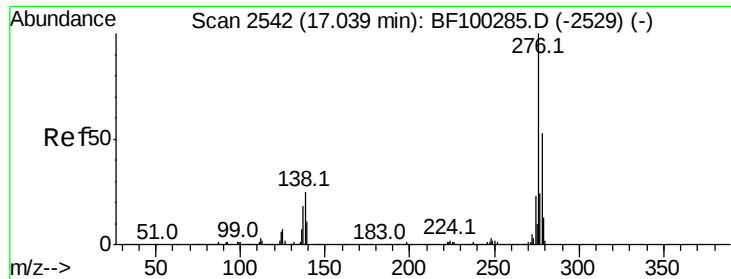
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#82
Chrysene
Concen: 11.609 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.9	16.2	24.4





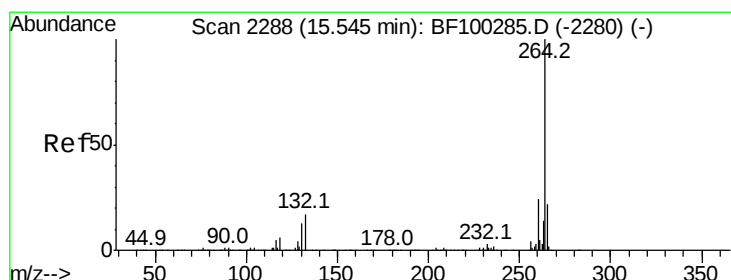
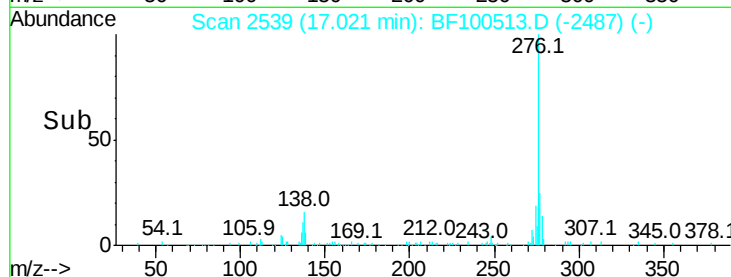
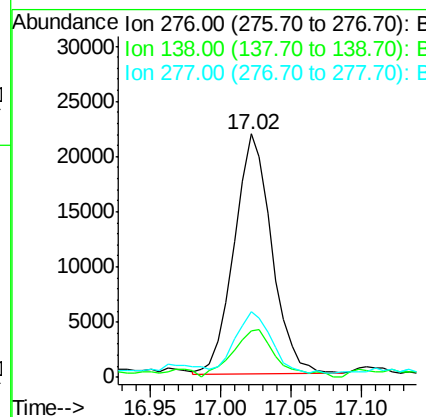
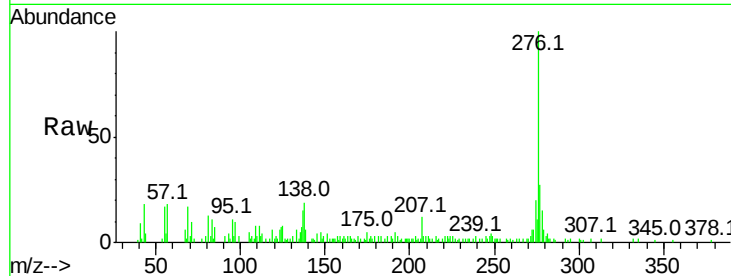
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.298 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. 0.01 min
 Lab File: BF100513.D
 Acq: 13 Nov 2017 20:28

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-111017

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	25.0	37.6#
277	24.7	20.1	30.1

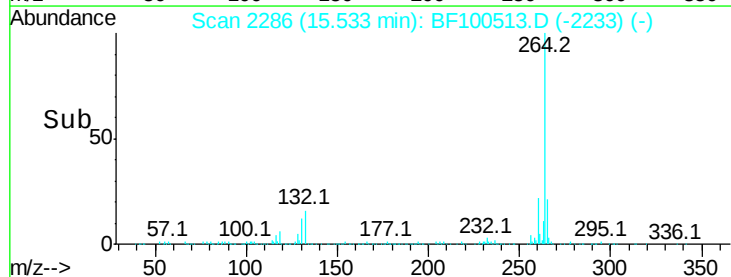
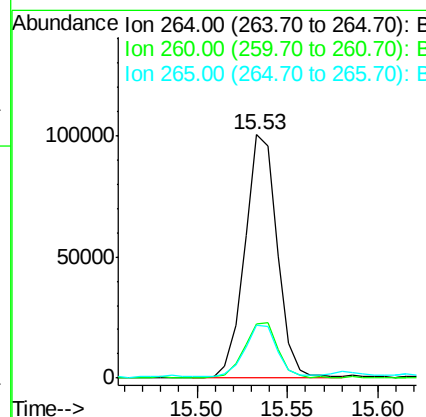
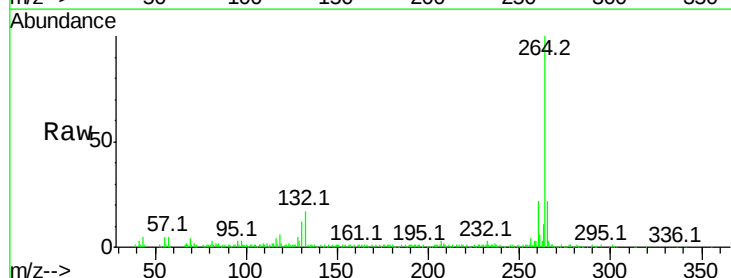
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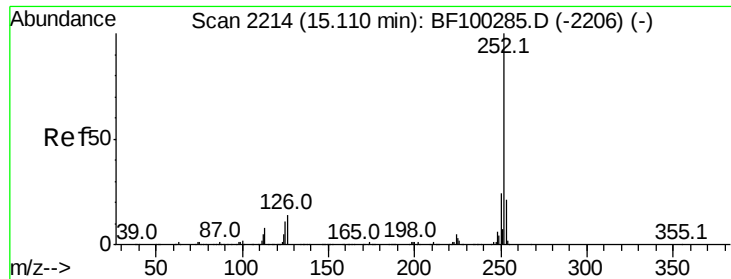
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. 0.01 min
 Lab File: BF100513.D
 Acq: 13 Nov 2017 20:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	21.6	17.5	26.3





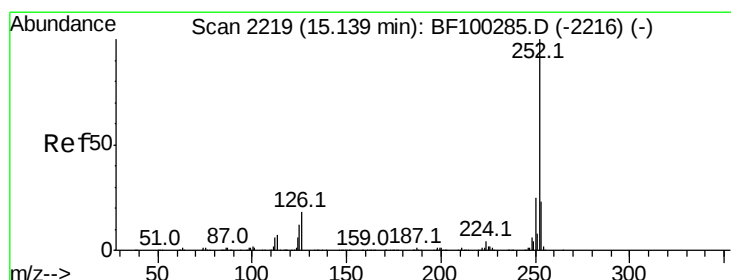
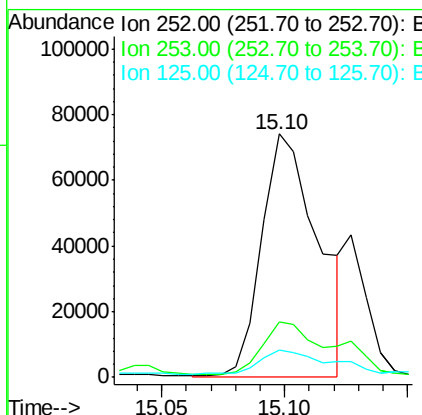
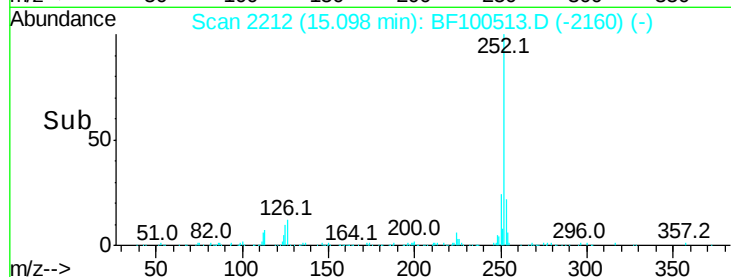
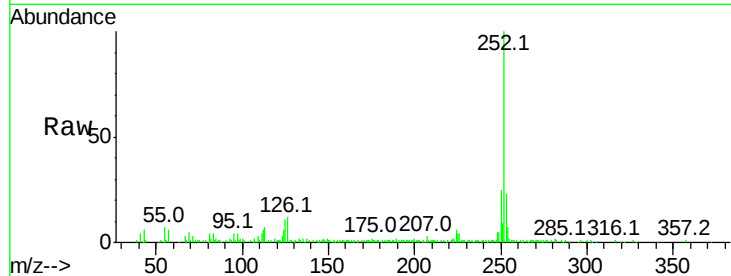
#87
Benzo(b)fluoranthene
Concen: 15.917 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Instrument :
BNA_F
ClientSampleId :
TR-05-111017

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	11.2	9.0	13.6

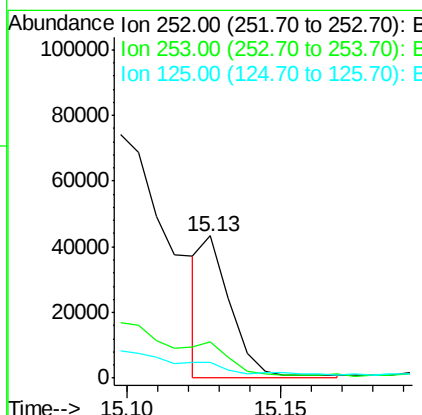
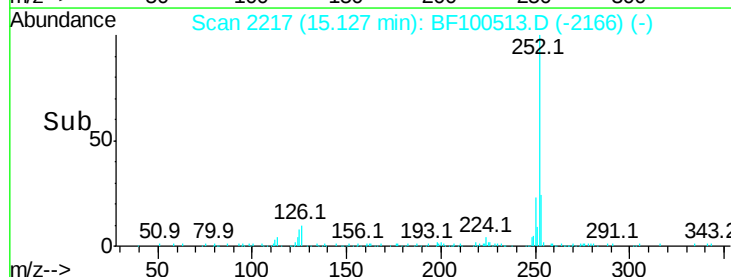
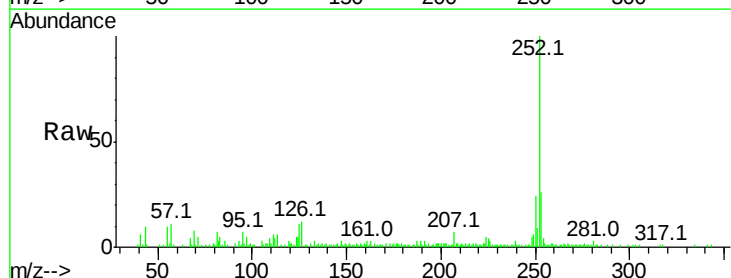
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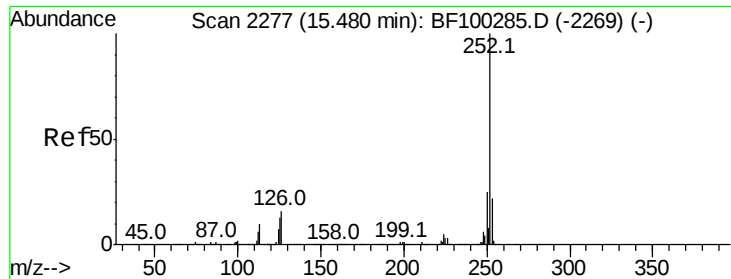
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#88
Benzo(k)fluoranthene
Concen: 4.082 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	10.7	10.2	15.2





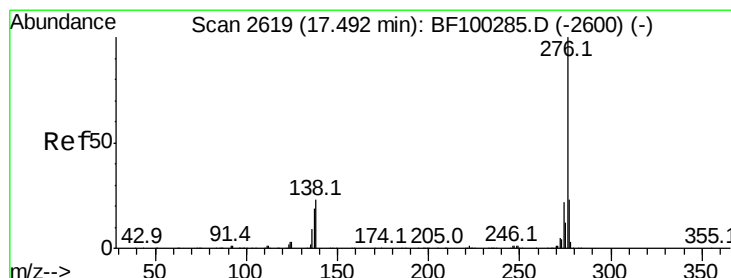
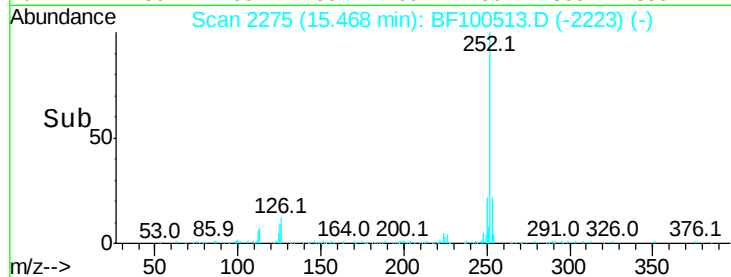
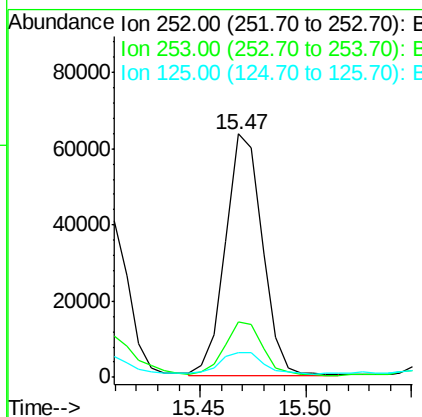
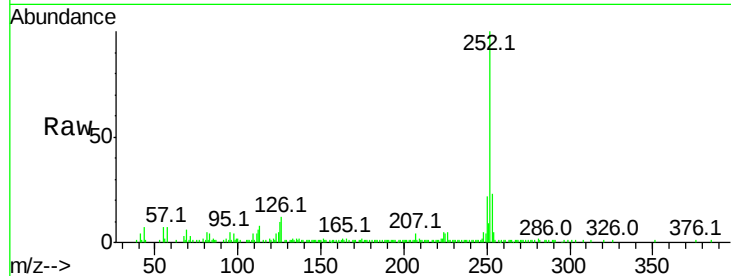
#89
Benzo(a)pyrene
Concen: 11.623 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Instrument :
BNA_F
ClientSampleId :
TR-05-111017

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	10.3	9.8	14.6

Manual Integrations
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11/14/2017 5:20:37 PM



#91
Benzo(g,h,i)perylene
Concen: 7.313 ng
RT: 17.47 min Scan# 2616
Delta R.T. 0.01 min
Lab File: BF100513.D
Acq: 13 Nov 2017 20:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.2	17.9	26.9#
138	24.6	21.8	32.8

