

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100826.D
 Acq On : 22 Nov 2017 15:06
 Operator : SJ/JU
 Sample : I6305-13 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-112017-B

Manual Integrations
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Quant Time: Nov 27 10:46:48 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	82037	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	307519	20.00	ng	-0.01
38) Acenaphthene-d10	9.91	164	125222	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	188647	20.00	ng	0.00
75) Chrysene-d12	14.04	240	172409	20.00	ng	0.00
86) Perylene-d12	15.52	264	153654	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	88112	17.22	ng	-0.01
7) Phenol-d6	6.49	99	106377	16.86	ng	-0.02
23) Nitrobenzene-d5	7.43	82	58541	12.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	19654	15.40	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	107629	13.09	ng	-0.01
78) Terphenyl-d14	12.97	244	75484	10.06	ng	-0.01
Target Compounds						Qvalue
57) Fluorene	10.46	166	29572	3.637	ng	98
70) Phenanthrene	11.42	178	252746	25.446	ng	97
71) Anthracene	11.47	178	91845	9.114	ng	97
72) Carbazole	11.63	167	18645	2.005	ng	97
74) Fluoranthene	12.61	202	349830	33.233	ng	96
77) Pyrene	12.84	202	301824	24.559	ng	98
80) Benzo(a)anthracene	14.03	228	182952	17.621	ng	98
82) Chrysene	14.06	228	143429	14.266	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	41475	5.100	ng	94
87) Benzo(b)fluoranthene	15.08	252	147701m	16.225	ng	
88) Benzo(k)fluoranthene	15.10	252	49285m	5.730	ng	
89) Benzo(a)pyrene	15.45	252	98422	12.196	ng	98
91) Benzo(a,h,i)perylene	17.44	276	36472	5.645	ng	95

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

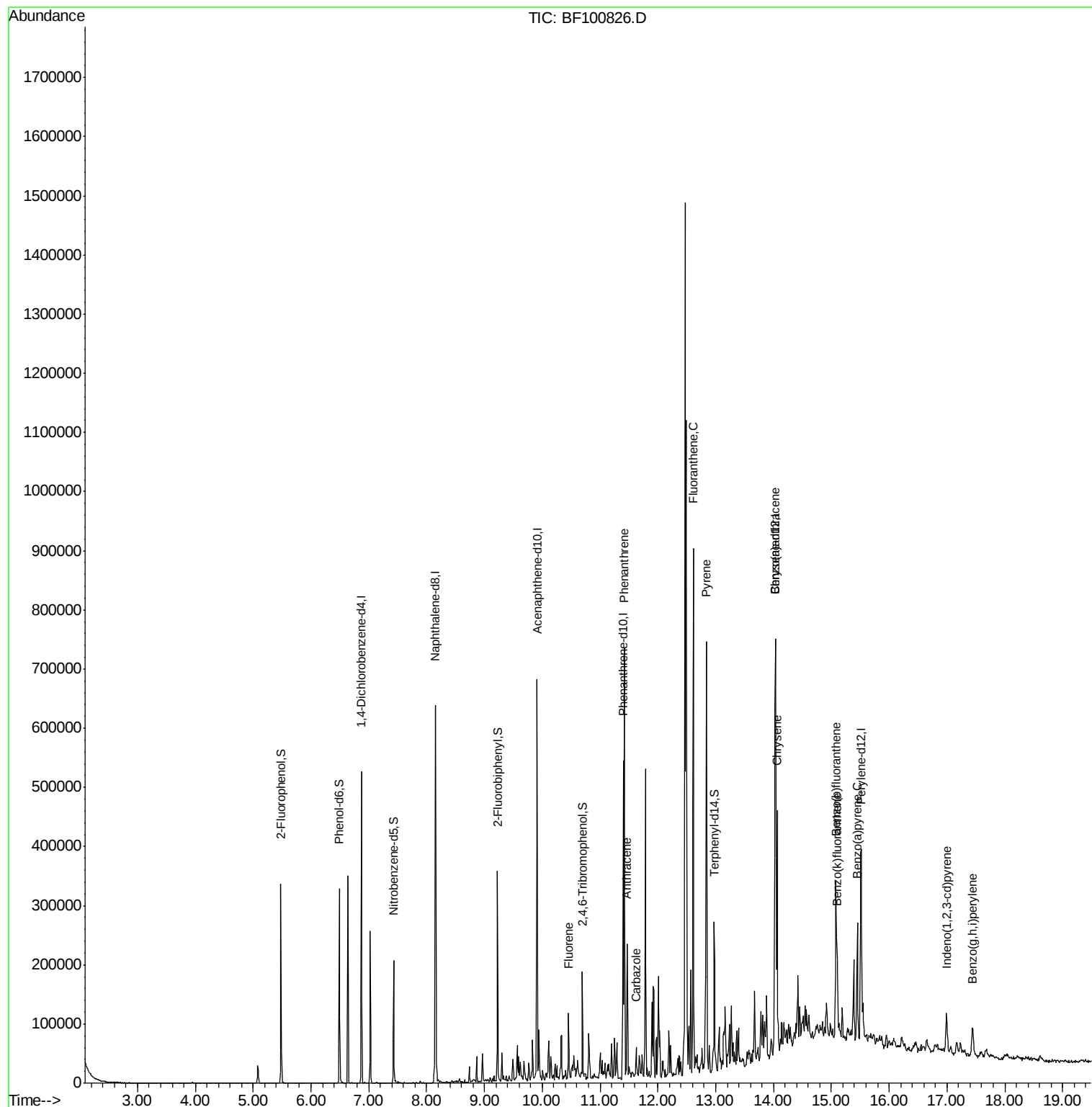
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
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ALS Vial : 15 Sample Multiplier: 1

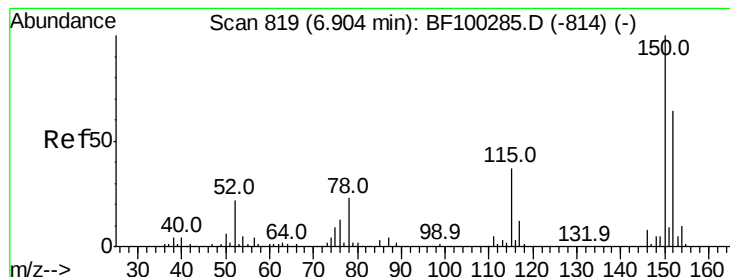
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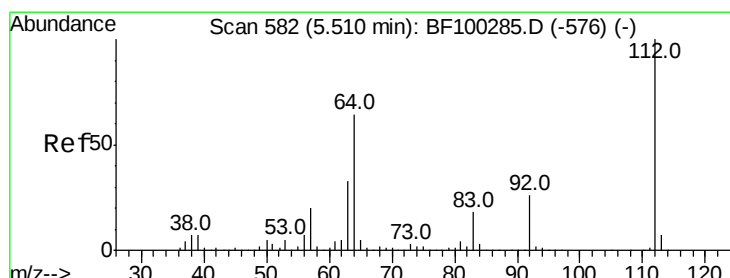
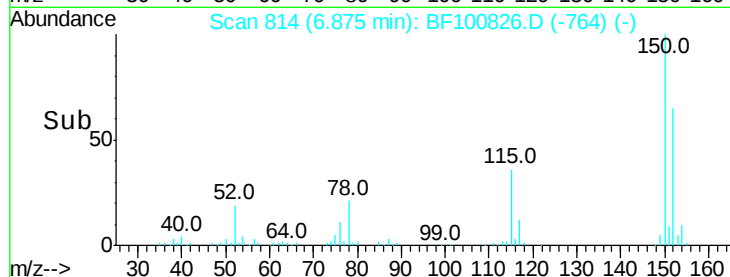
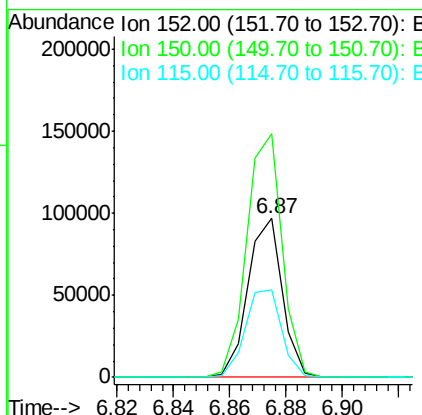
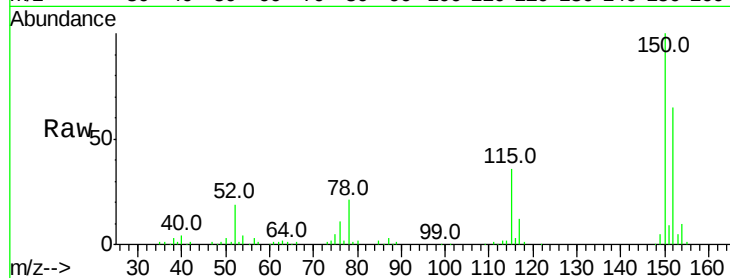
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF100826.D
 Acq: 22 Nov 2017 15:06

Instrument :
 BNA_F
 ClientSampled :
 PL-02-112017-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.6	186.8
115	54.8	50.1	75.1

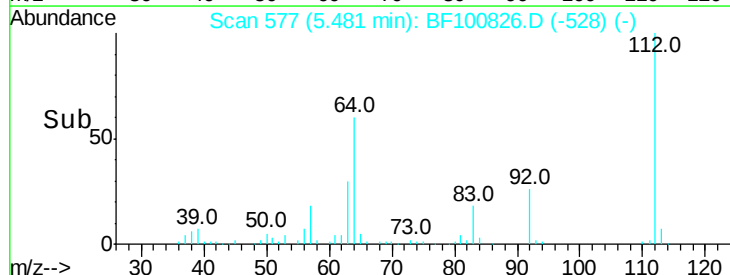
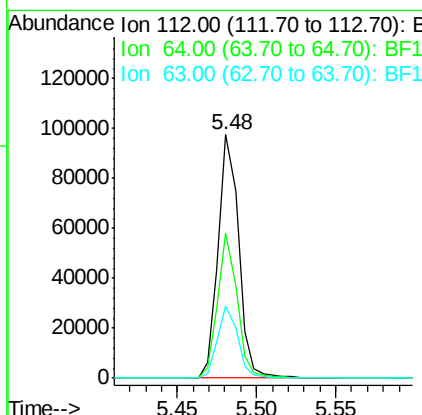
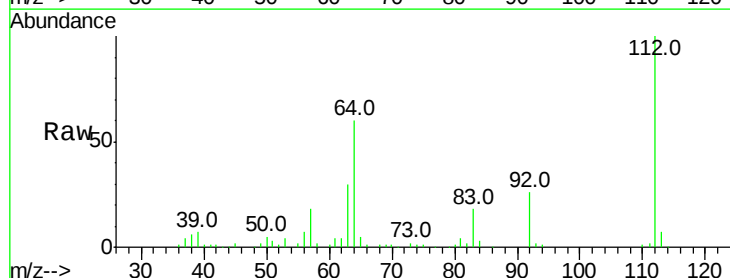
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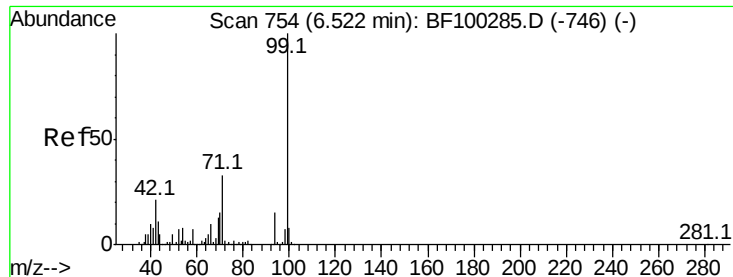
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#5
 2-Fluorophenol
 Concen: 17.217 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: BF100826.D
 Acq: 22 Nov 2017 15:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	29.6	23.7	35.5





#7

Phenol-d6

Concen: 16.856 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100826.D

Acq: 22 Nov 2017 15:06

Instrument :

BNA_F

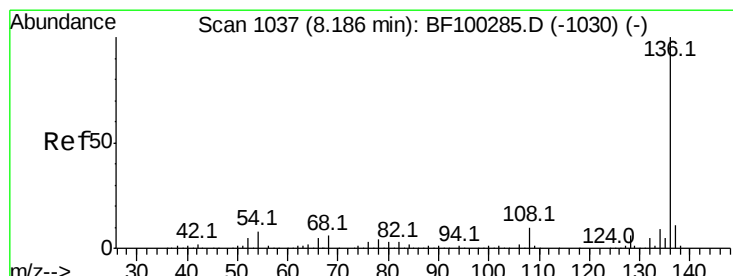
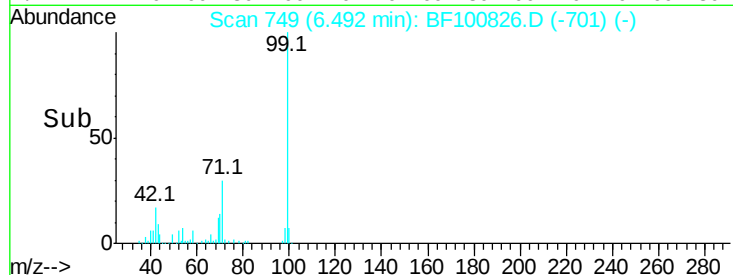
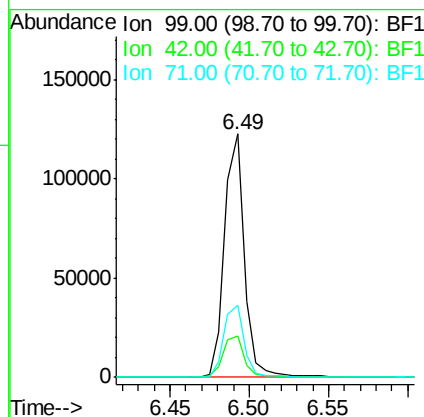
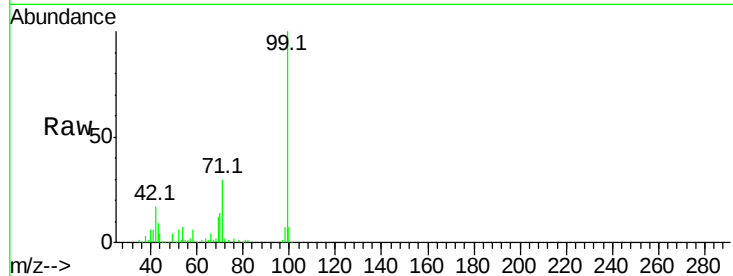
ClientSampleId :

PL-02-112017-B

Tot Ion:	99	Resp:	106377
Ion Ratio	Lower	Upper	
99	100		
42	17.2	14.5	21.7
71	29.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

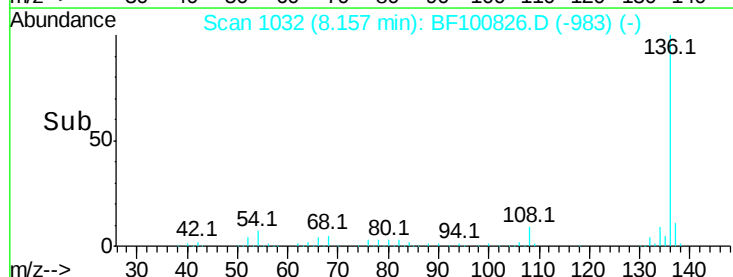
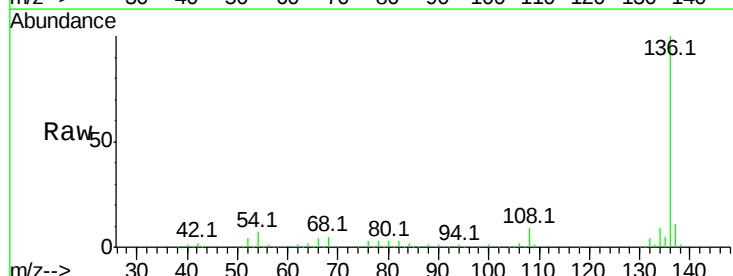
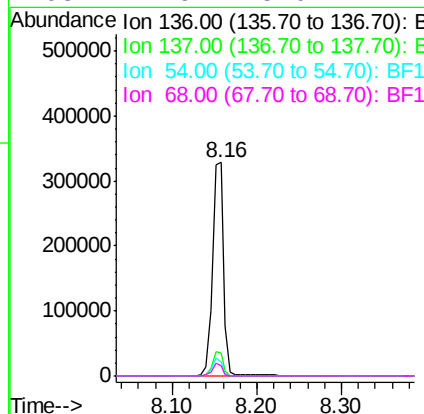
RT: 8.16 min Scan# 1032

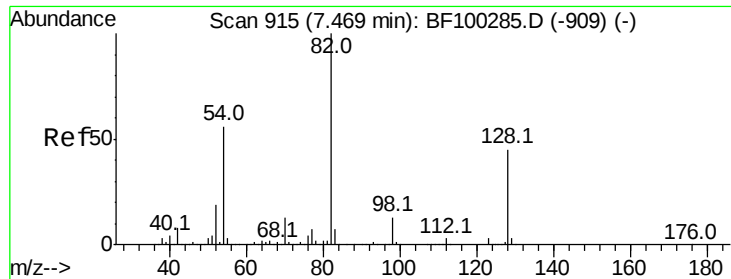
Delta R.T. -0.01 min

Lab File: BF100826.D

Acq: 22 Nov 2017 15:06

Tgt Ion:	136	Resp:	307519
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	6.9	6.6	9.8
68	4.6	5.0	7.4#





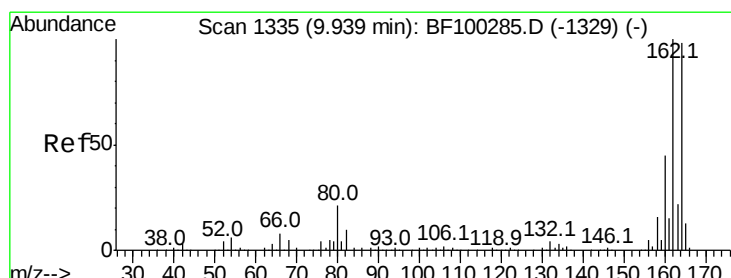
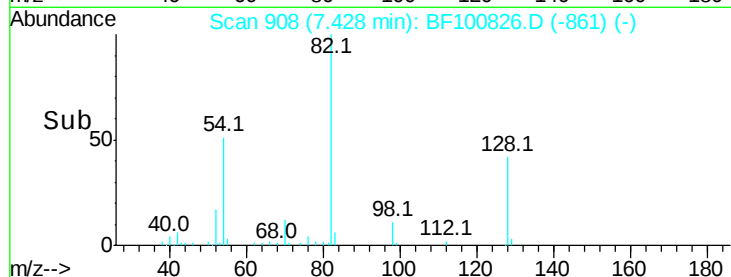
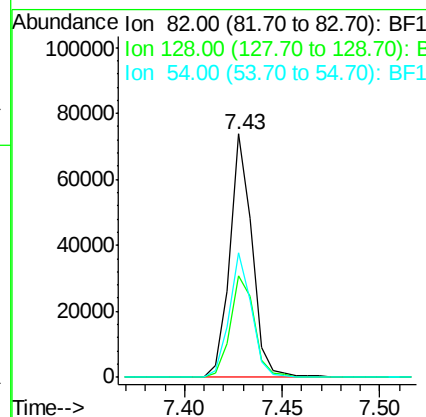
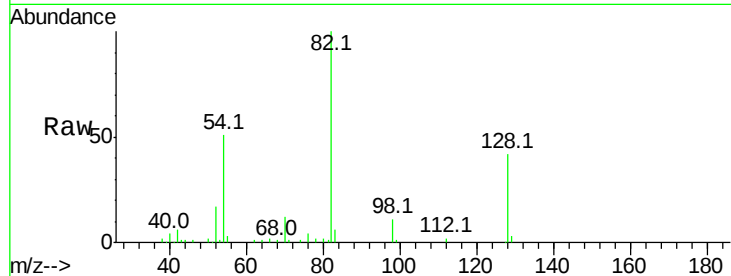
#23
Nitrobenzene-d5
Concen: 12.586 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.02 min
Lab File: BF100826.D
Acq: 22 Nov 2017 15:06

Instrument :
BNA_F
ClientSampled :
PL-02-112017-B

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	41.9	36.1	54.1
54	51.2	41.4	62.2

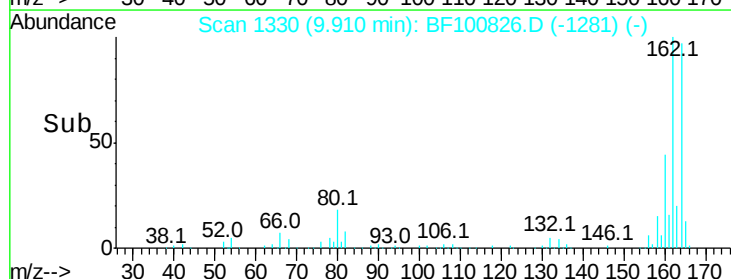
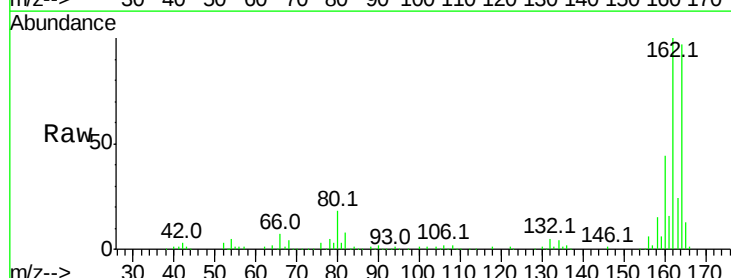
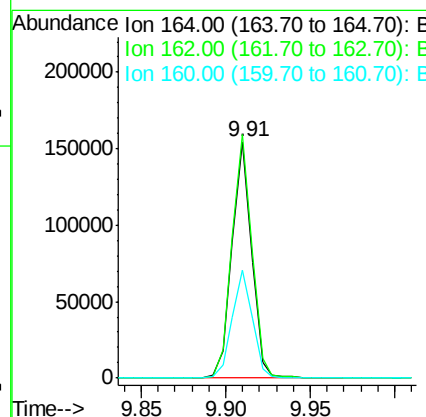
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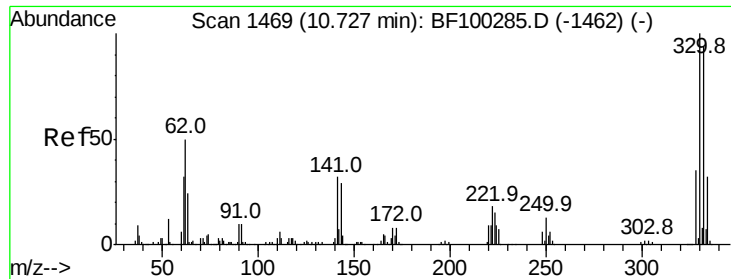
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF100826.D
Acq: 22 Nov 2017 15:06

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	103.0	86.1	129.1
160	45.6	38.3	57.5





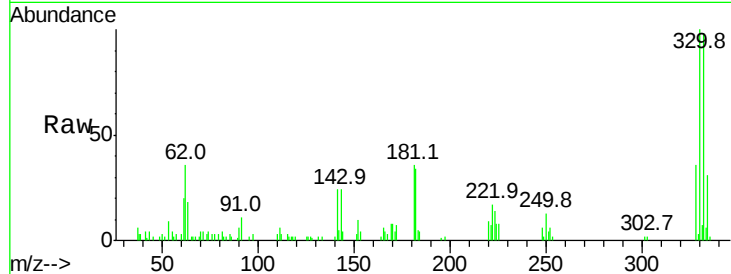
#41
 2,4,6-Tribromophenol
 Concen: 15.403 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100826.D
 Acq: 22 Nov 2017 15:06

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-112017-B

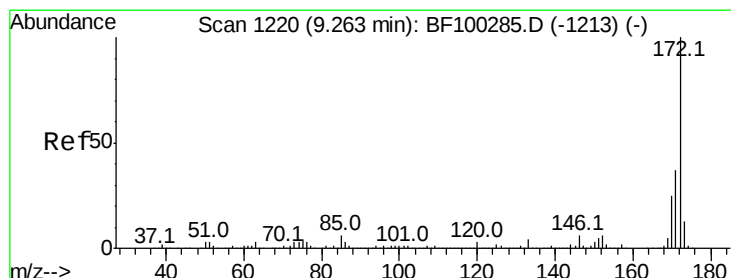
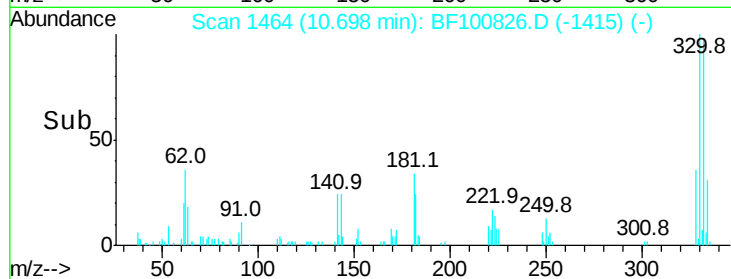
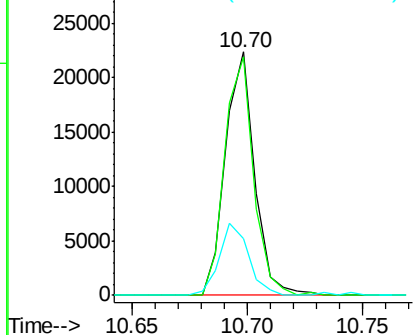
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	29.7	29.9	44.9#

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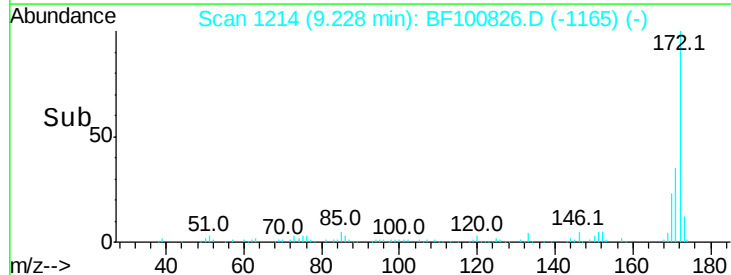
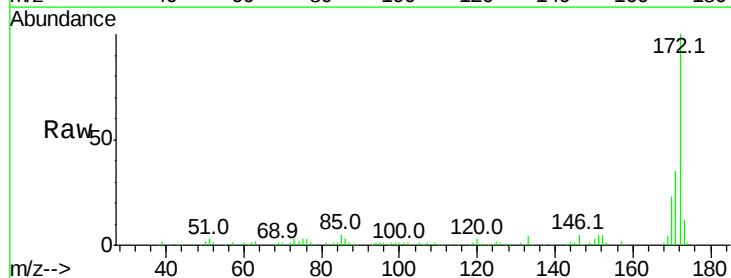
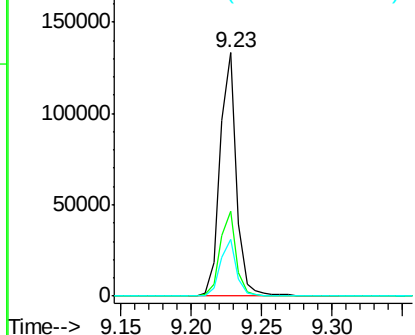
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

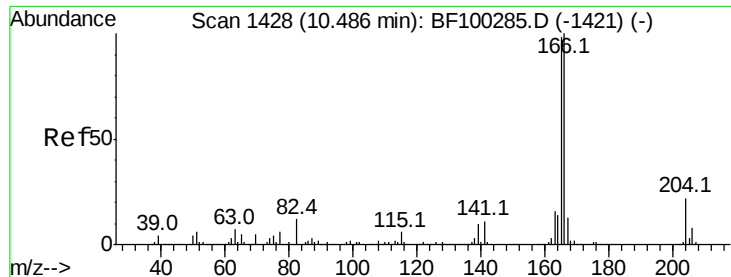


#44
 2-Fluorobiphenyl
 Concen: 13.088 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100826.D
 Acq: 22 Nov 2017 15:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.3	19.6	29.4

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





#57

Fluorene

Concen: 3.637 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF100826.D

Acq: 22 Nov 2017 15:06

Instrument :

BNA_F

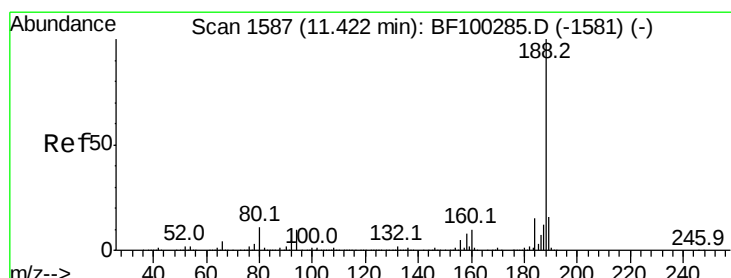
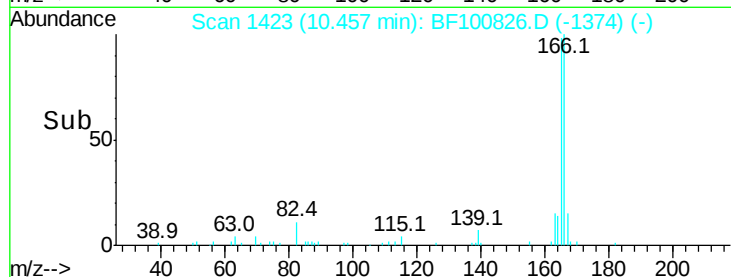
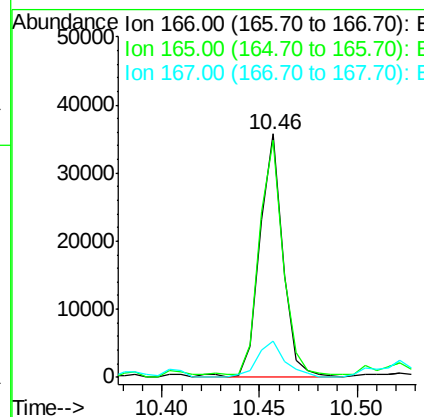
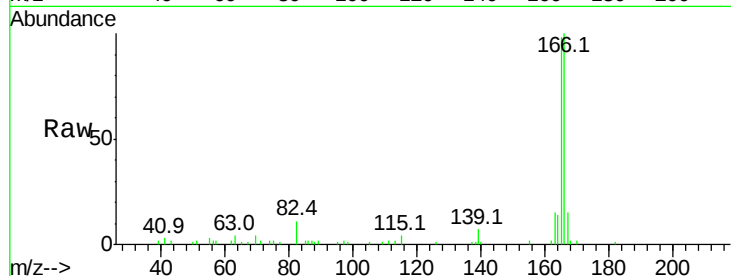
ClientSampleId :

PL-02-112017-B

Tot Ion:	166	Resp:	29572
Ion Ratio	Lower	Upper	
166	100		
165	97.7	79.8	119.8
167	14.7	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

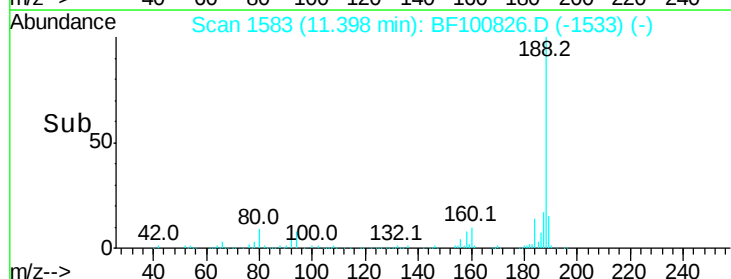
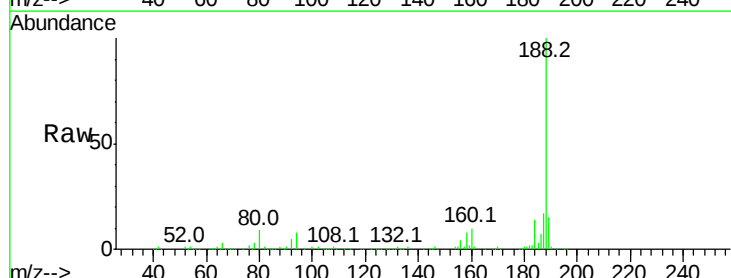
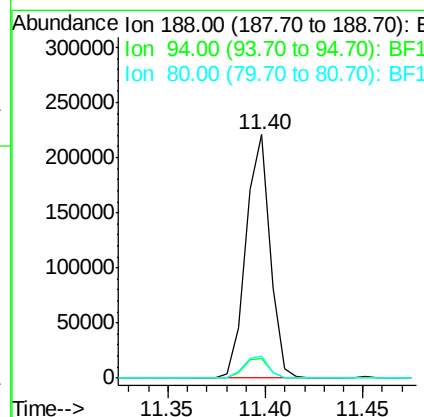
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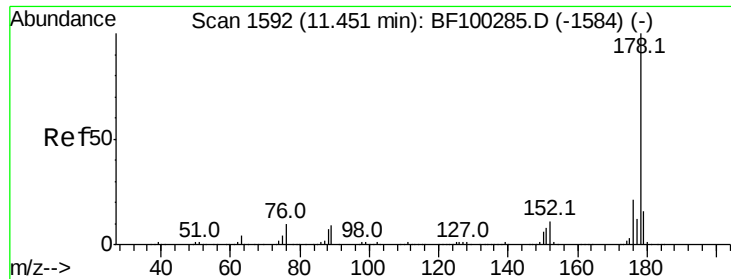
Delta R.T. -0.01 min

Lab File: BF100826.D

Acq: 22 Nov 2017 15:06

Tgt Ion:	188	Resp:	188647
Ion Ratio	Lower	Upper	
188	100		
94	8.1	8.5	12.7#
80	9.0	9.2	13.8#





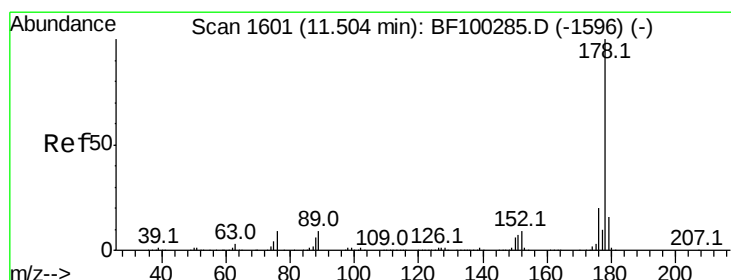
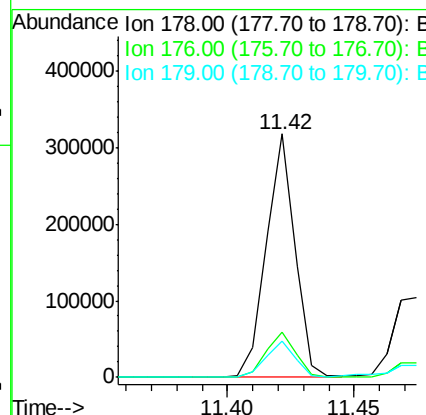
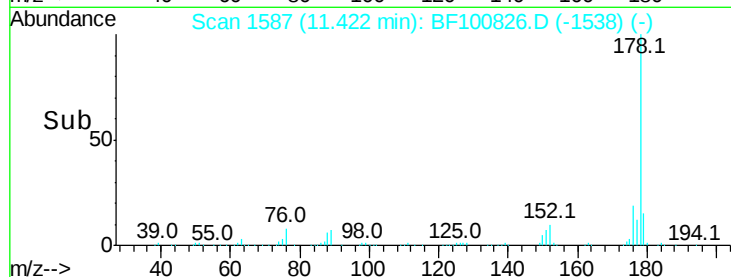
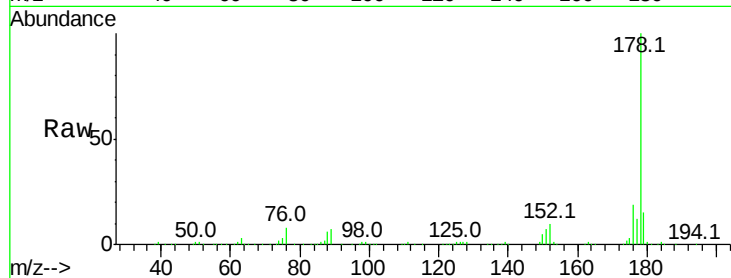
#70
Phenanthrene
Concen: 25.446 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF100826.D
Acq: 22 Nov 2017 15:06

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.2	13.0	19.6

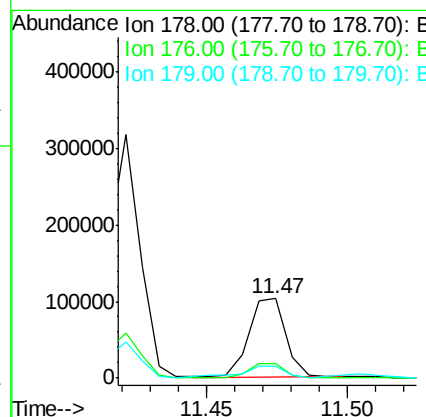
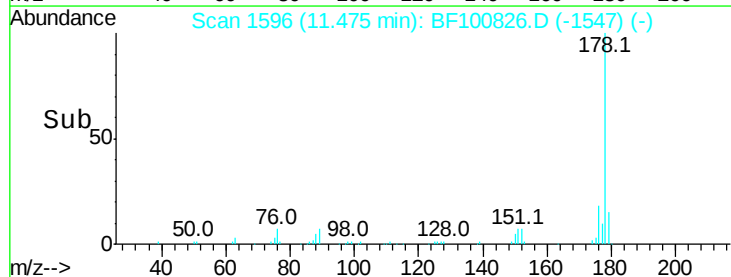
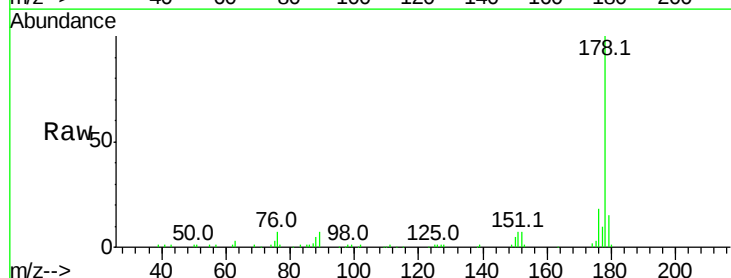
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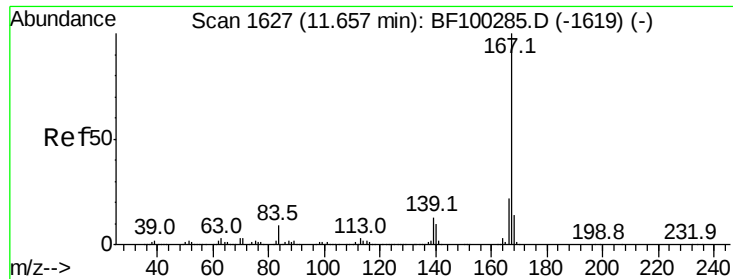
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#71
Anthracene
Concen: 9.114 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF100826.D
Acq: 22 Nov 2017 15:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	14.7	12.6	19.0





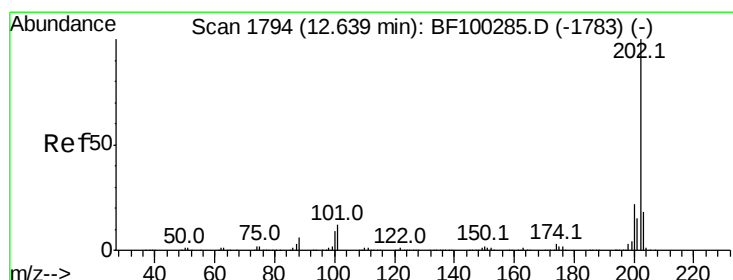
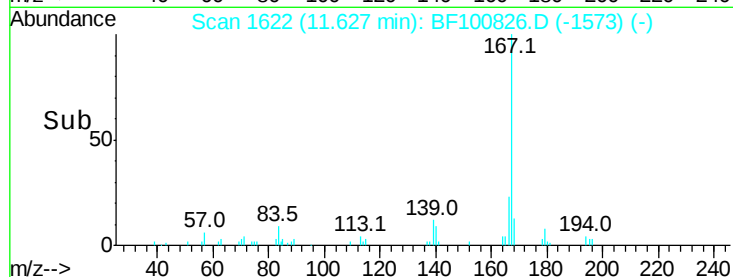
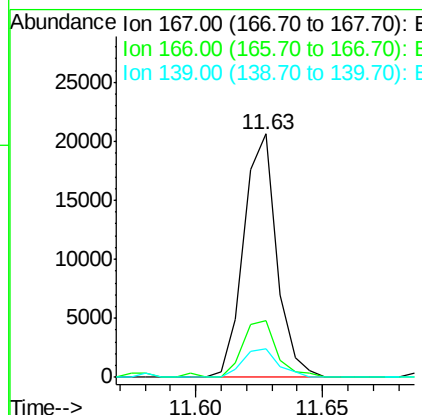
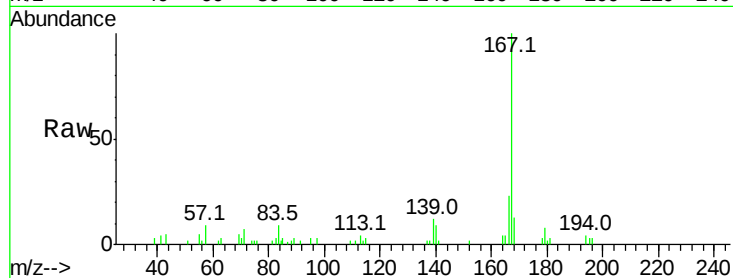
#72
 Carbazole
 Concen: 2.005 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF100826.D
 Acq: 22 Nov 2017 15:06

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-112017-B

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.3	17.6	26.4
139	11.8	10.9	16.3

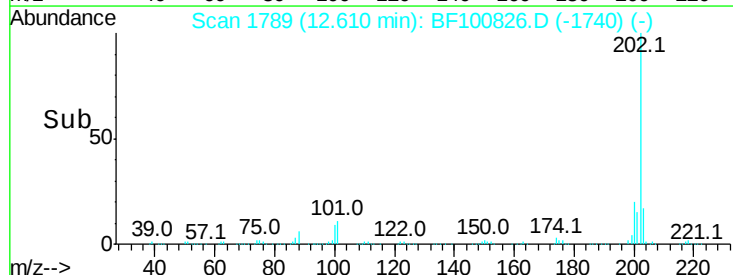
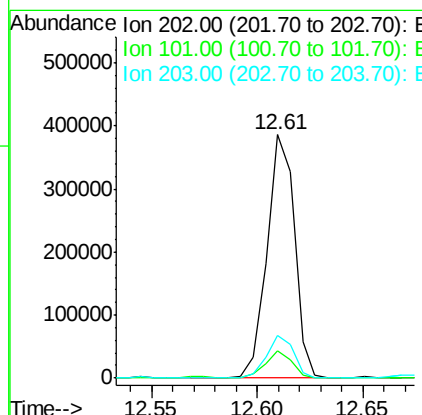
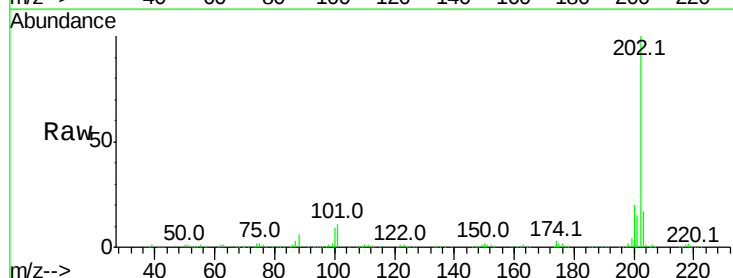
Manual Integrations
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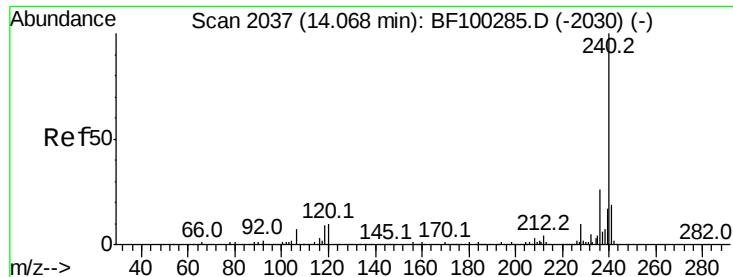
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#74
 Fluoranthene
 Concen: 33.233 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: BF100826.D
 Acq: 22 Nov 2017 15:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	17.4	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: BF100826.D

Acq: 22 Nov 2017 15:06

Instrument :

BNA_F

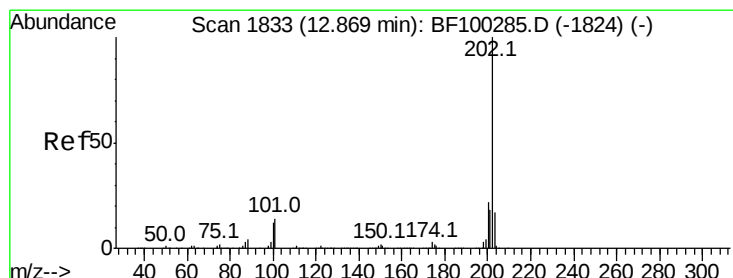
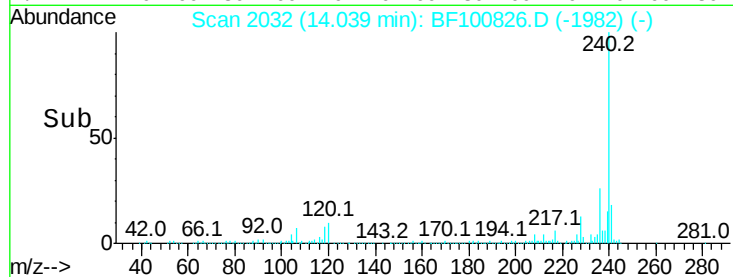
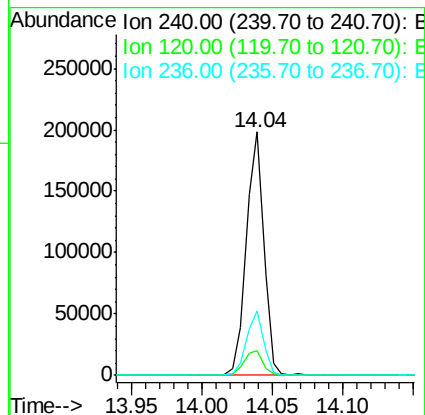
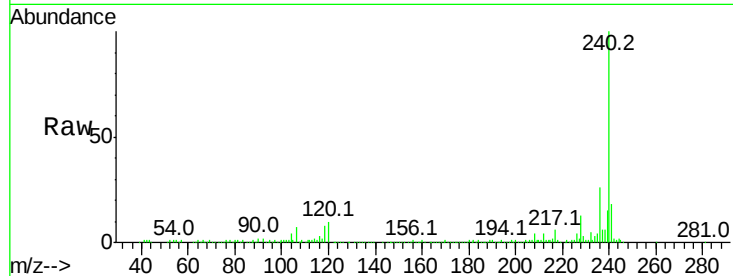
ClientSampleId :

PL-02-112017-B

Tot Ion:	240	Resp:	172409
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.5	14.3
236	26.4	20.7	31.1

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#77

Pyrene

Concen: 24.559 ng

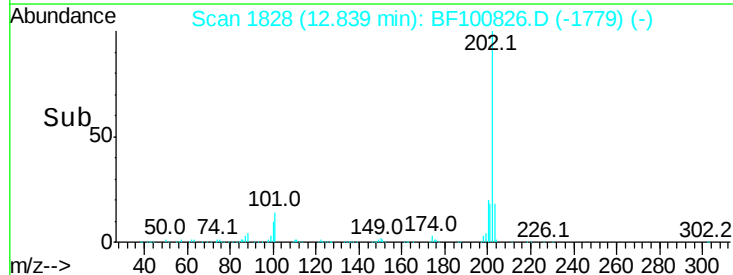
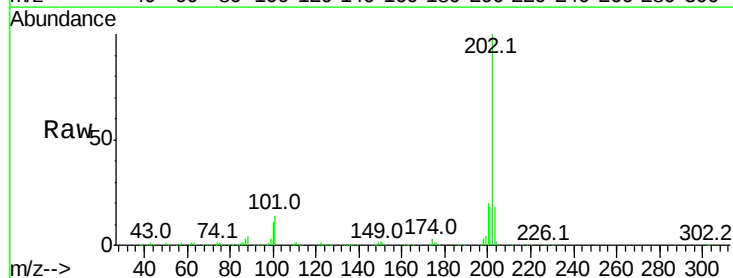
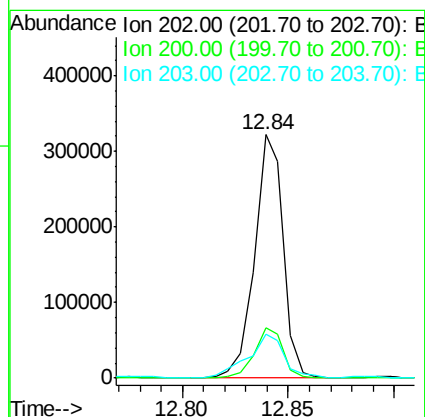
RT: 12.84 min Scan# 1828

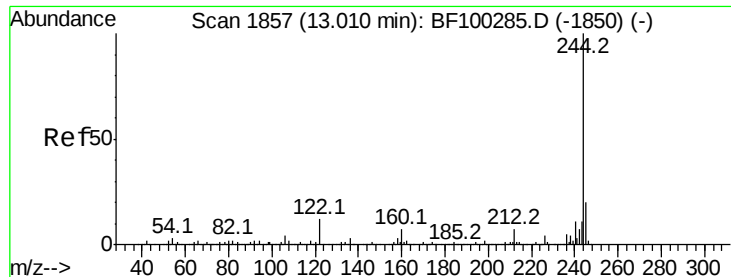
Delta R.T. -0.01 min

Lab File: BF100826.D

Acq: 22 Nov 2017 15:06

Tgt Ion:	202	Resp:	301824
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	17.9	14.3	21.5





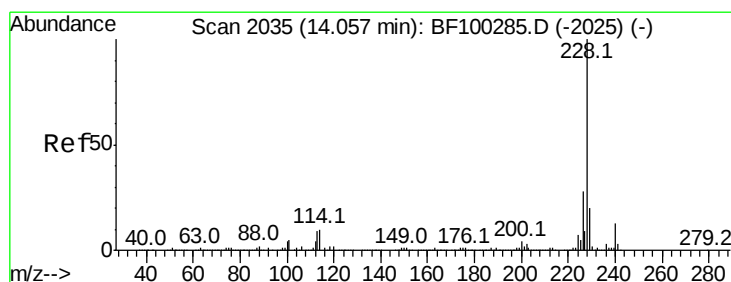
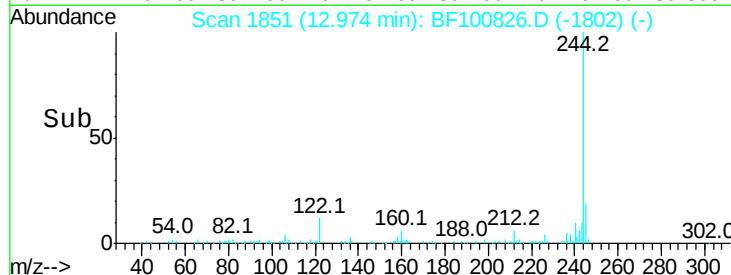
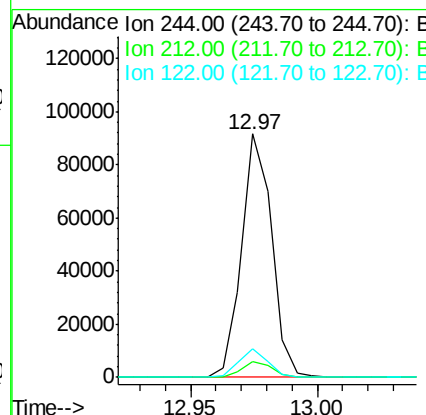
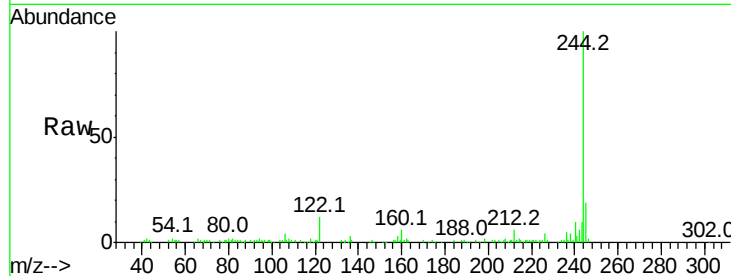
#78
 Terphenyl-d14
 Concen: 10.060 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF100826.D
 Acq: 22 Nov 2017 15:06

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-112017-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.9	11.0	16.4

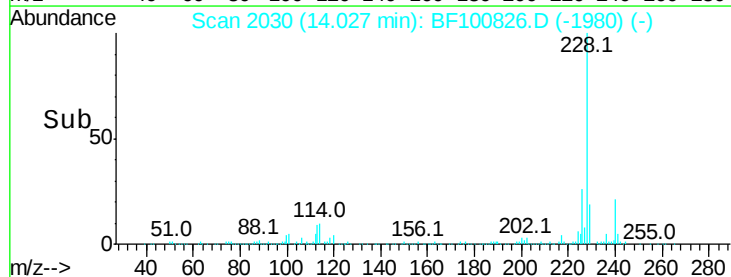
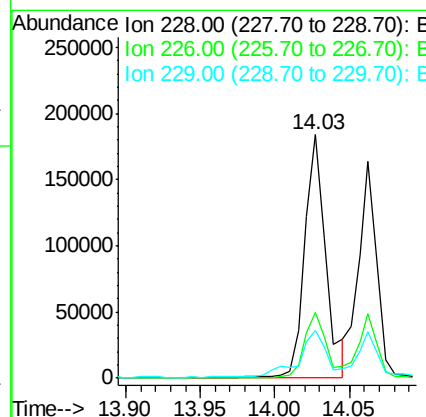
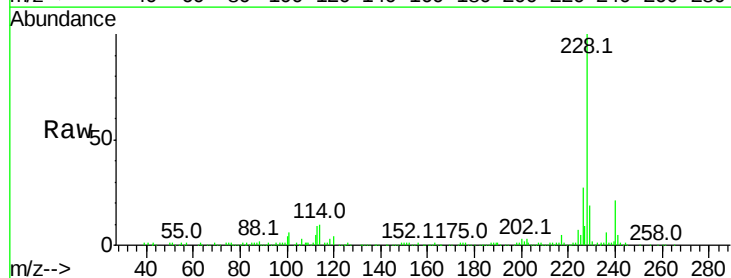
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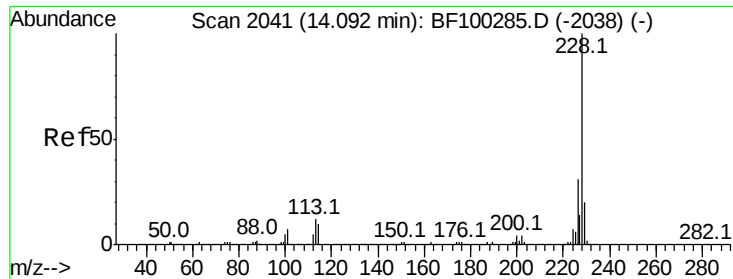
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#80
 Benzo(a)anthracene
 Concen: 17.621 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF100826.D
 Acq: 22 Nov 2017 15:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.6	33.8
229	19.4	15.8	23.6





#82

Chrysene

Concen: 14.266 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100826.D

Acq: 22 Nov 2017 15:06

Instrument :

BNA_F

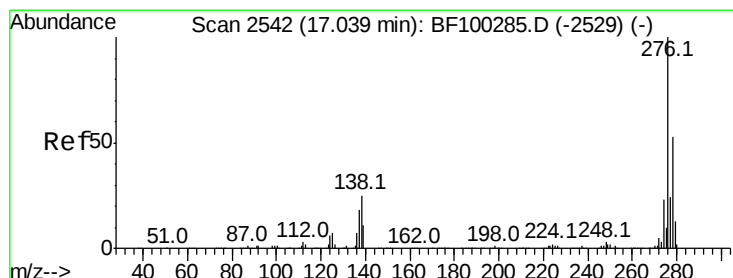
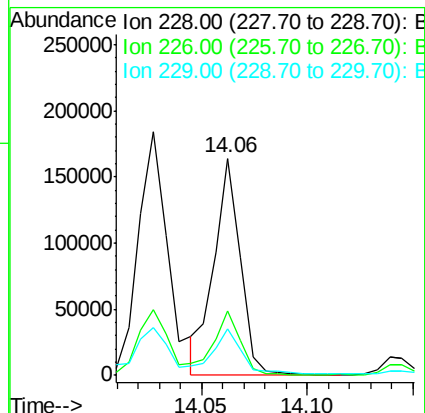
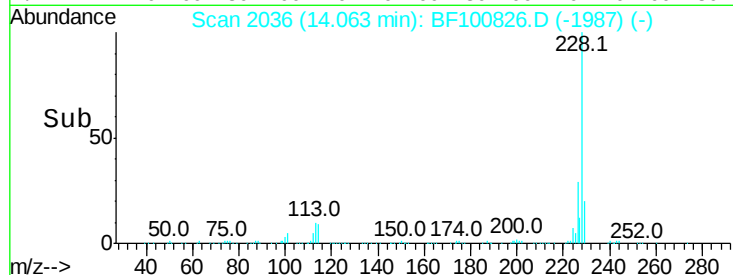
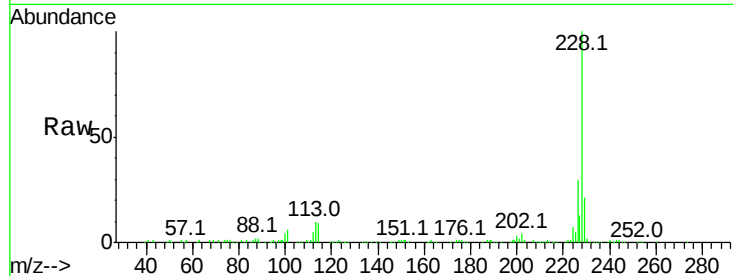
ClientSampled :

PL-02-112017-B

Tot Ion:	228	Resp:	143429
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.0	37.6
229	21.2	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.100 ng

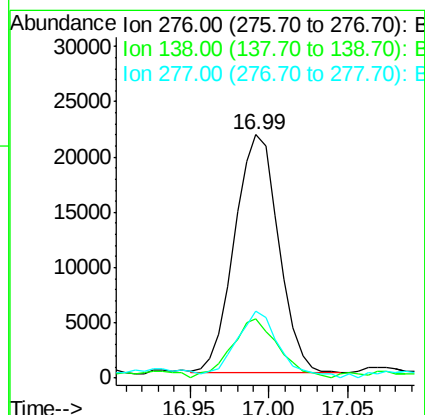
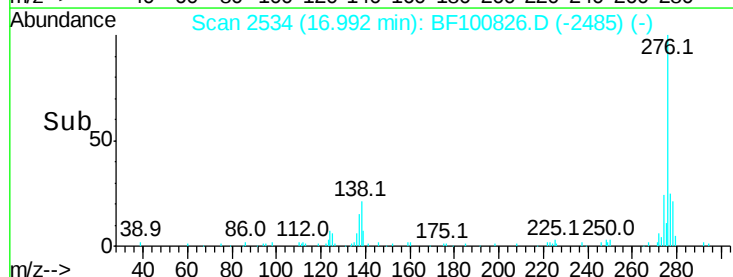
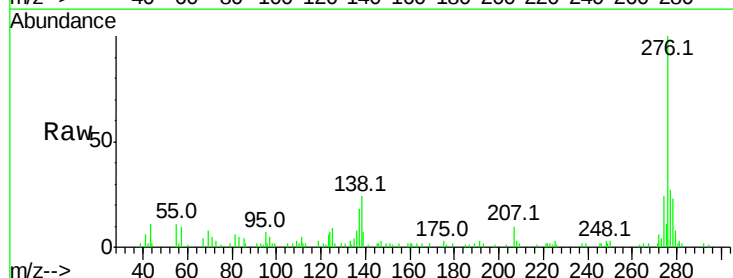
RT: 16.99 min Scan# 2534

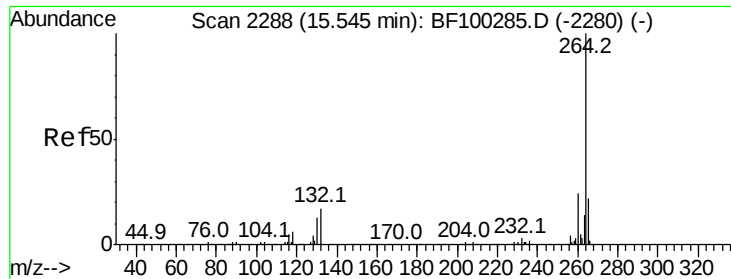
Delta R.T. -0.01 min

Lab File: BF100826.D

Acq: 22 Nov 2017 15:06

Tgt Ion:	276	Resp:	41475
Ion Ratio	Lower	Upper	
276	100		
138	26.9	25.0	37.6
277	27.4	20.1	30.1





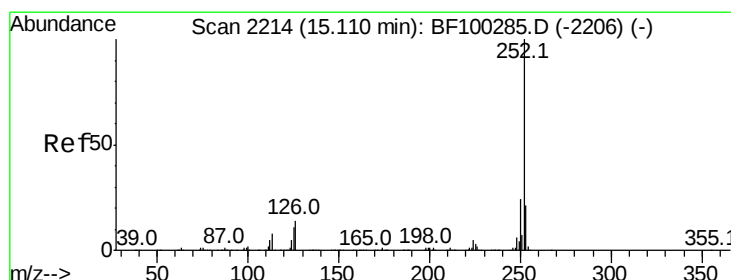
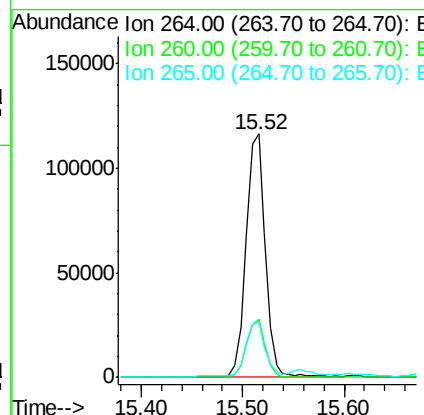
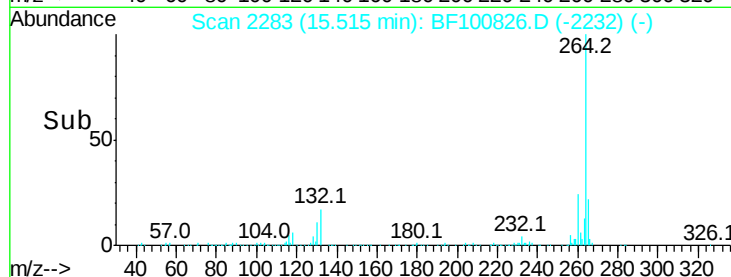
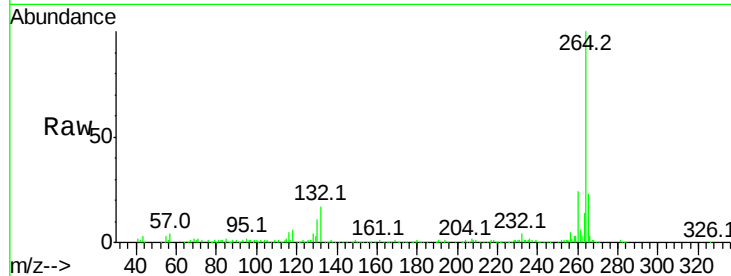
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF100826.D
Acq: 22 Nov 2017 15:06

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.6	17.5	26.3

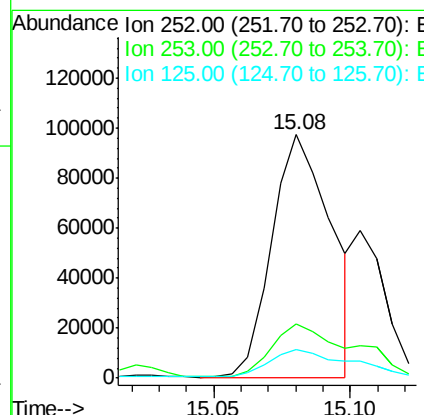
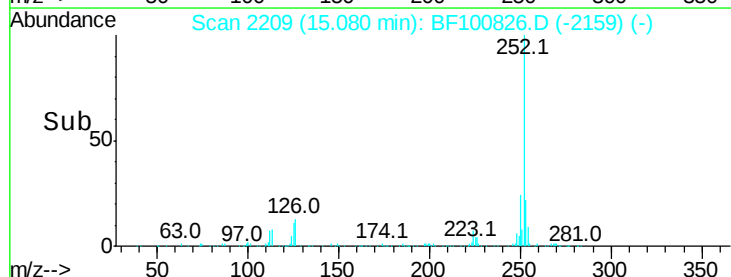
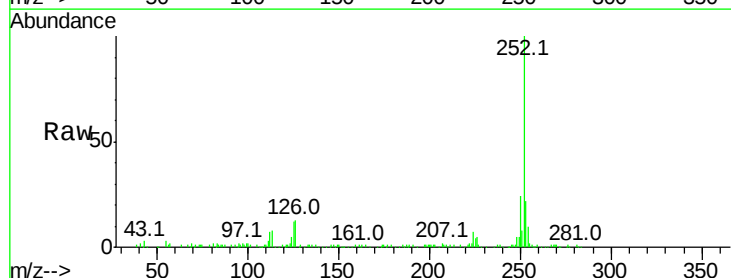
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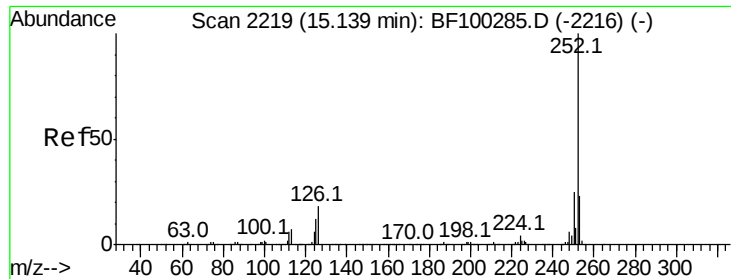
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#87
Benzo(b)fluoranthene
Concen: 16.225 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100826.D
Acq: 22 Nov 2017 15:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	11.7	9.0	13.6





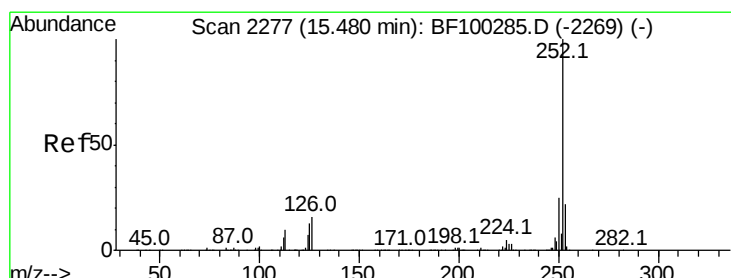
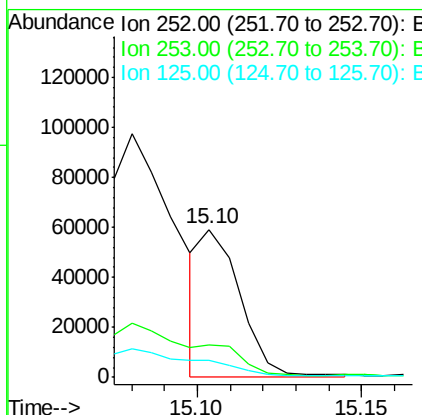
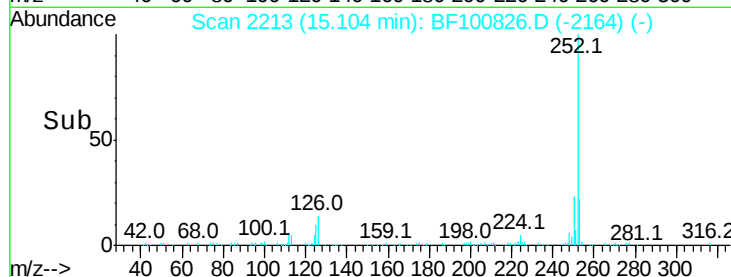
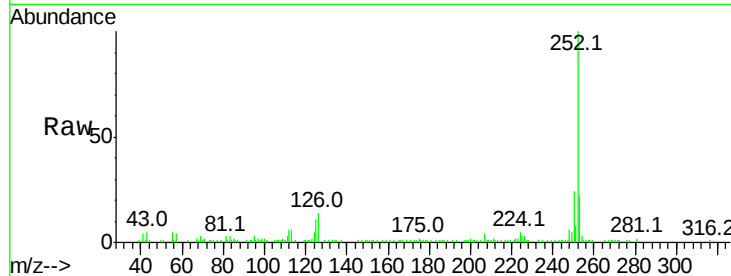
#88
Benzo(k)fluoranthene
Concen: 5.730 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF100826.D
Acq: 22 Nov 2017 15:06

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	11.4	10.2	15.2

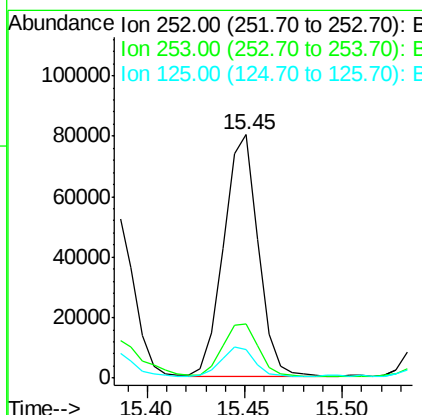
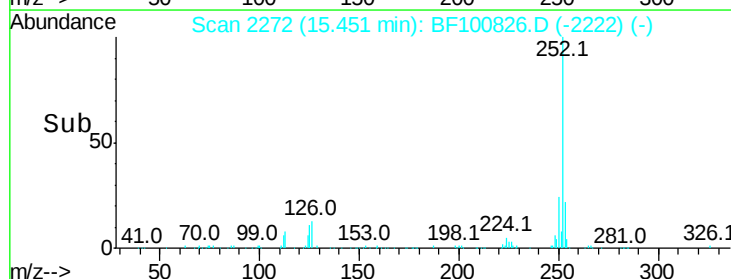
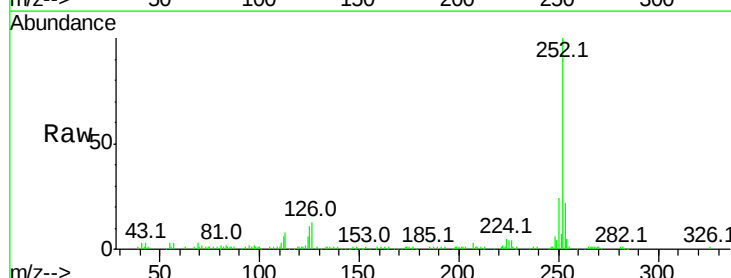
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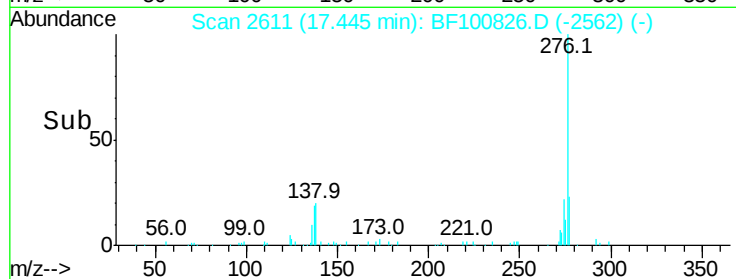
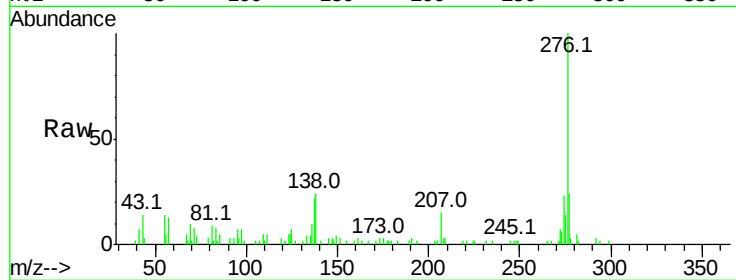
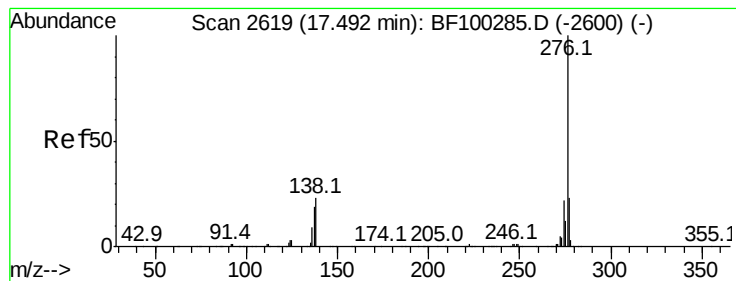
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#89
Benzo(a)pyrene
Concen: 12.196 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF100826.D
Acq: 22 Nov 2017 15:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	11.5	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 5.645 ng

RT: 17.44 min Scan# 2611

Delta R.T. -0.01 min

Lab File: BF100826.D

Acq: 22 Nov 2017 15:06

Instrument :

BNA_F

ClientSampleId :

PL-02-112017-B

Tot Ion:	276	Resp:	36472
Ion Ratio	Lower	Upper	
276	100		
277	24.5	17.9	26.9
138	24.0	21.8	32.8

Manual Integrations
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