

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111717\
 Data File : BF100711.D
 Acq On : 18 Nov 2017 9:57
 Operator : SJ/JU
 Sample : I6460-04 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-31-2-1.5-3

Manual Integrations
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Quant Time: Nov 20 03:54:35 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	6.88	152	85171	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	307511	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	120612	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	201127	20.00	ng	0.00
75) Chrysene-d12	14.04	240	205970	20.00	ng	0.00
86) Perylene-d12	15.52	264	160884	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	64810	12.20	ng	0.00
7) Phenol-d6	6.49	99	78882	12.04	ng	-0.02
23) Nitrobenzene-d5	7.44	82	43860	9.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	13969	11.37	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	81429	10.28	ng	0.00
78) Terphenyl-d14	12.98	244	68024	7.59	ng	0.00
Target Compounds						
74) Fluoranthene	12.62	202	96868	8.631	ng	94
77) Pyrene	12.84	202	101676	6.925	ng	96
80) Benzo(a)anthracene	14.03	228	80394	6.482	ng	98
82) Chrysene	14.07	228	83365	6.941	ng	95
85) Indeno(1,2,3-cd)pyrene	16.99	276	28693	2.953	ng	93
87) Benzo(b)fluoranthene	15.08	252	110957m	11.641	ng	
88) Benzo(k)fluoranthene	15.11	252	43181m	4.795	ng	
89) Benzo(a)pyrene	15.45	252	56126	6.642	ng	96
91) Benzo(g,h,i)perylene	17.44	276	25235	3.730	ng	92

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

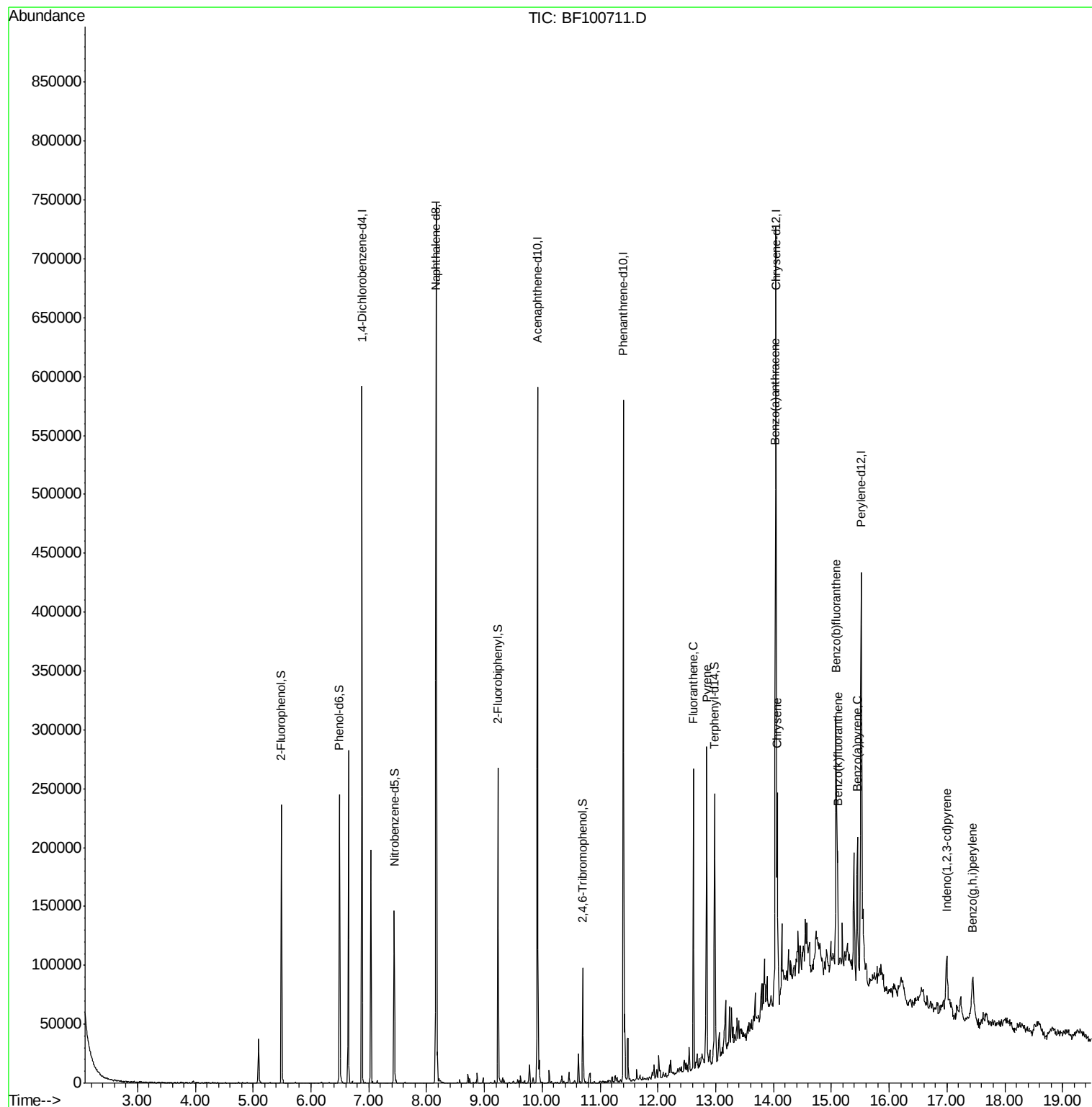
Data Path : Z:\HPCHEM1\BNA F\DATA\BF111717\
Data File : BF100711.D
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Sample : I6460-04 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

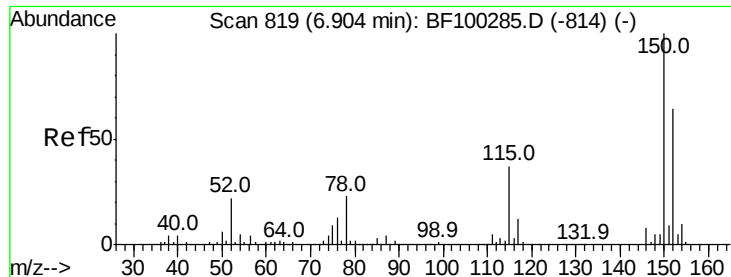
Instrument :
BNA_F
ClientSampleId :
G-31-2-1.5-3

Quant Time: Nov 20 03:54:35 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
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#1

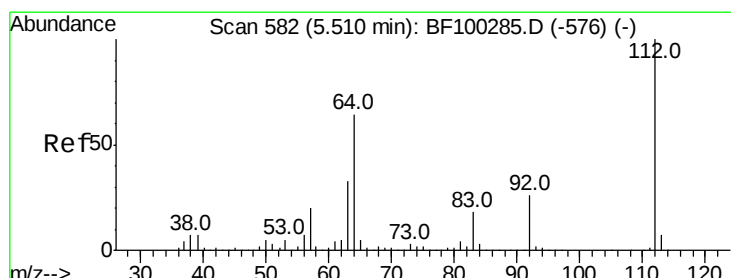
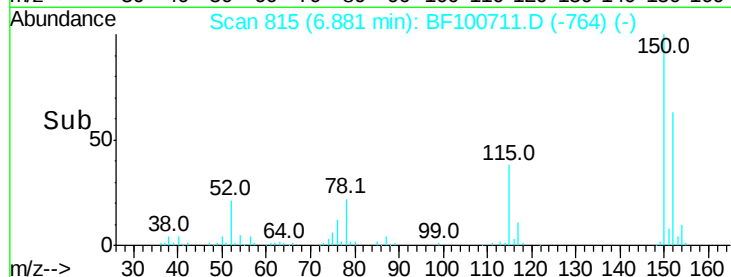
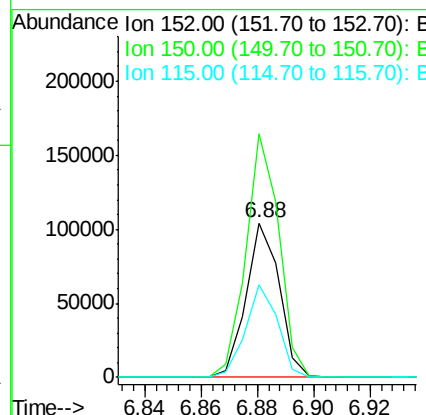
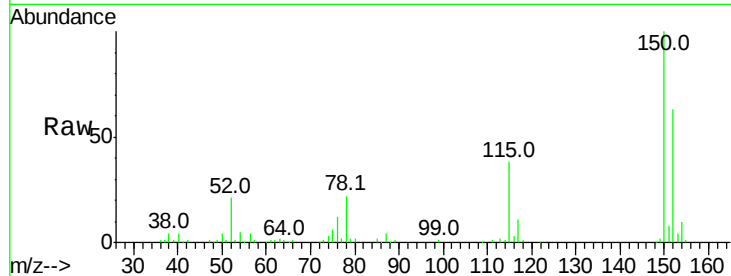
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

Instrument :
BNA_F
ClientSampleId :
G-31-2-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	59.7	50.1	75.1

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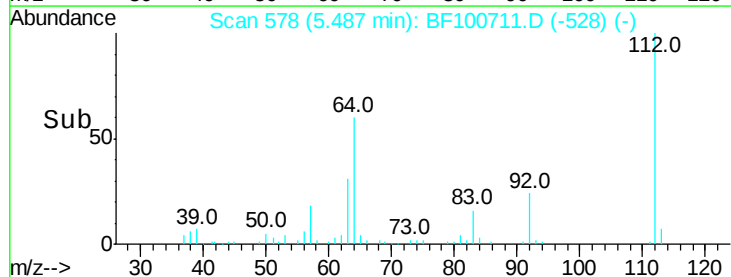
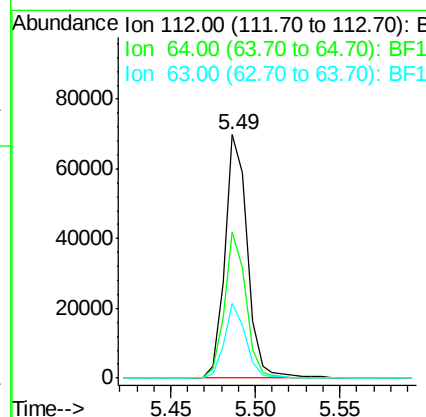
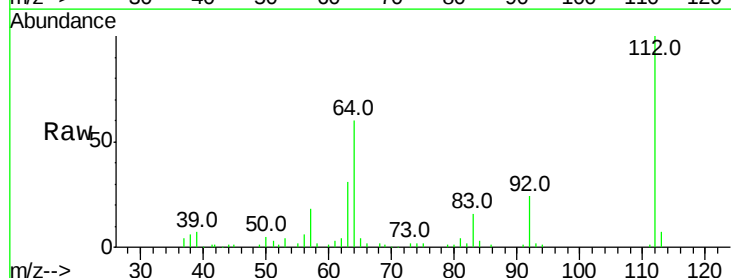
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#5

2-Fluorophenol
Concen: 12.198 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.9	71.9
63	30.6	23.7	35.5





#7

Phenol-d6

Concen: 12.039 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100711.D

Acq: 18 Nov 2017 9:57

Instrument :

BNA_F

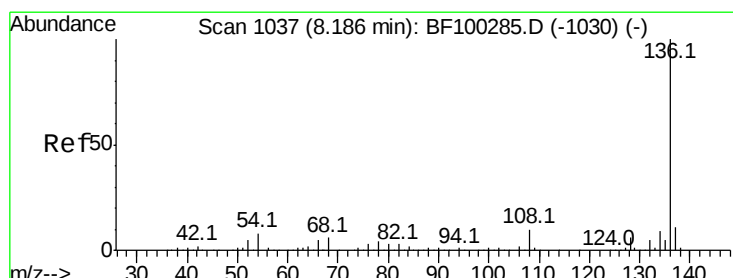
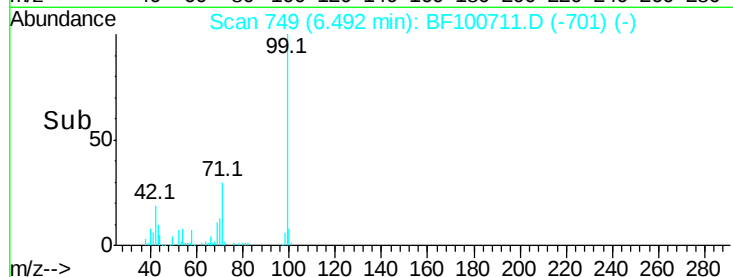
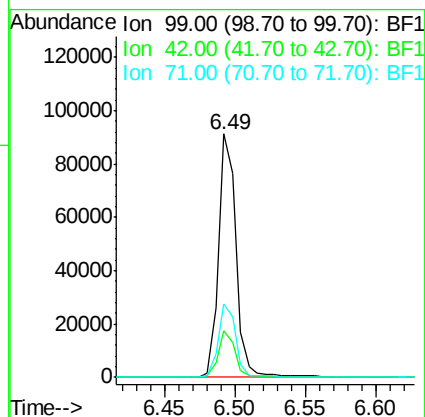
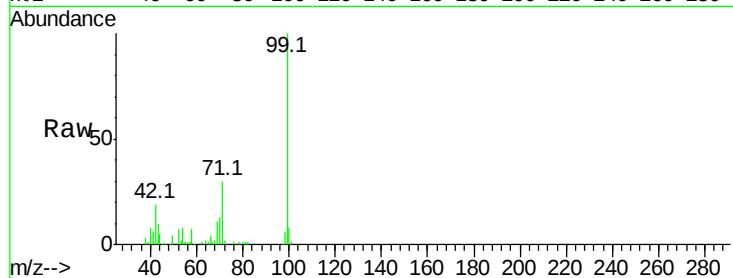
ClientSampleId :

G-31-2-1.5-3

Tot Ion:	99	Resp:	78882
Ion Ratio	Lower	Upper	
99	100		
42	18.9	14.5	21.7
71	30.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

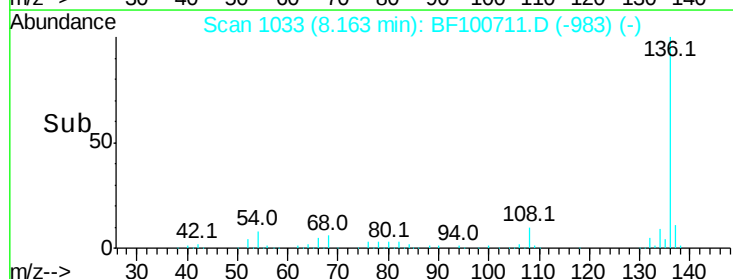
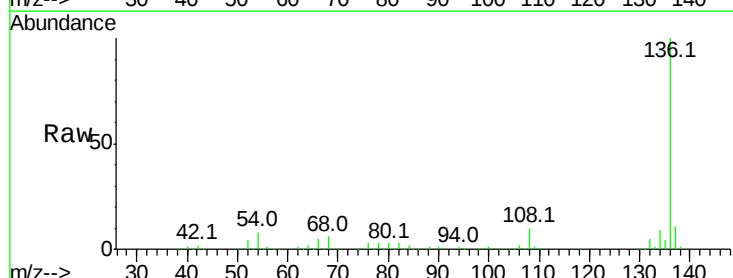
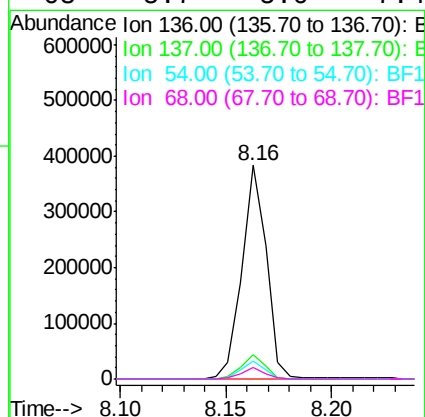
RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100711.D

Acq: 18 Nov 2017 9:57

Tgt Ion:	136	Resp:	307511
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.2	6.6	9.8
68	5.7	5.0	7.4





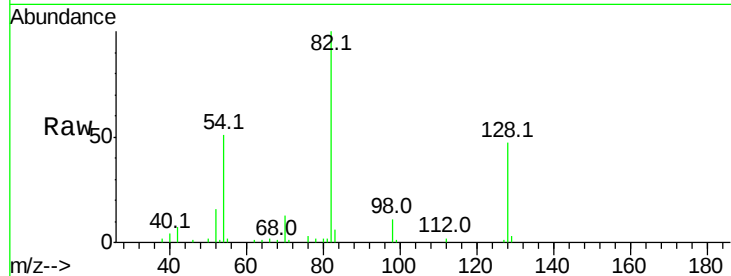
#23
Nitrobenzene-d5
Concen: 9.430 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

Instrument :
BNA_F
ClientSampleId :
G-31-2-1.5-3

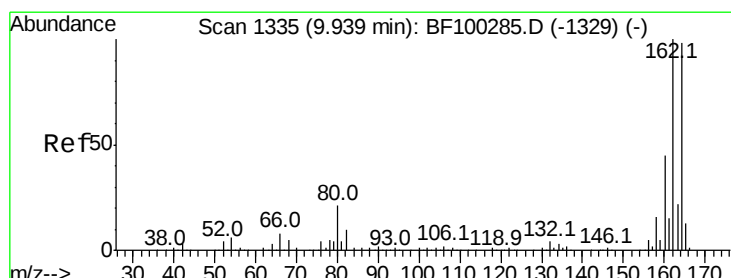
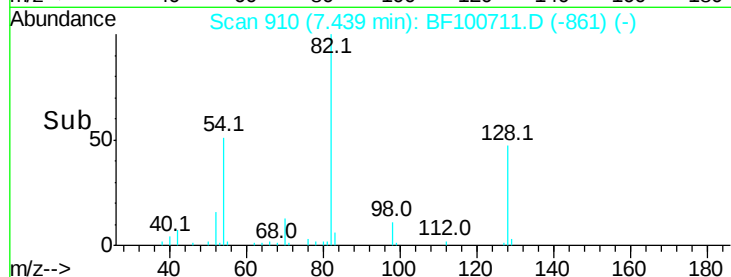
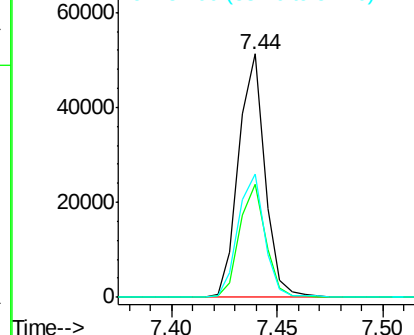
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	50.7	41.4	62.2

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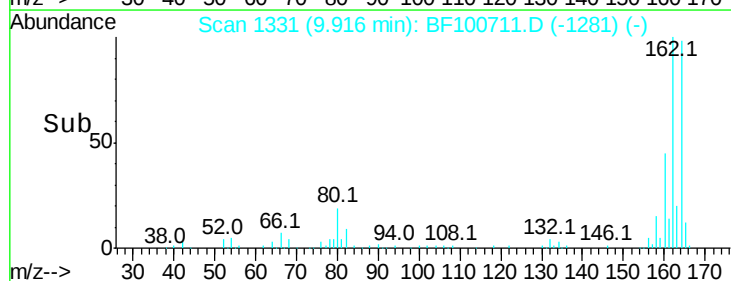
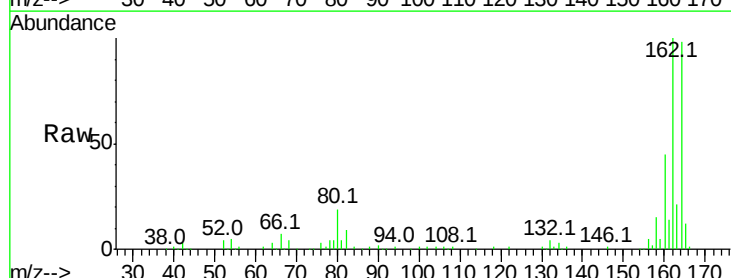
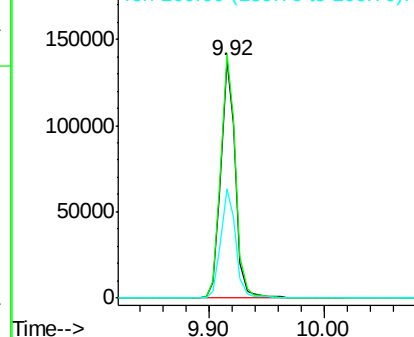
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	45.9	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





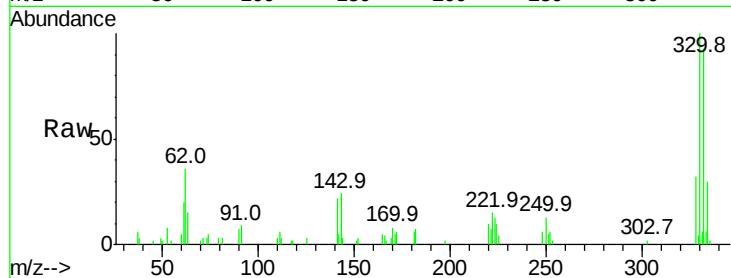
#41
 2,4,6-Tribromophenol
 Concen: 11.366 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Instrument :
 BNA_F
 ClientSampleId :
 G-31-2-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.8	77.0	115.6	
141	27.9	29.9	44.9	

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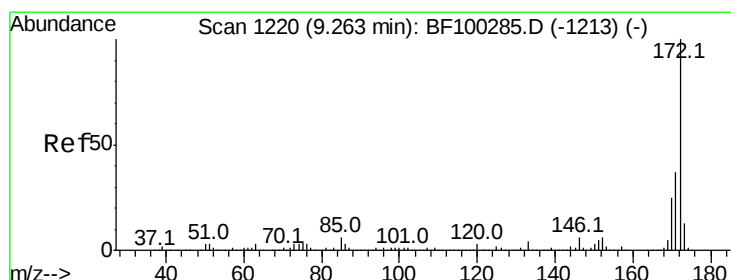
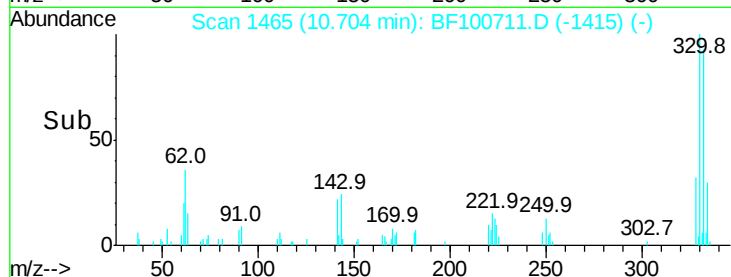
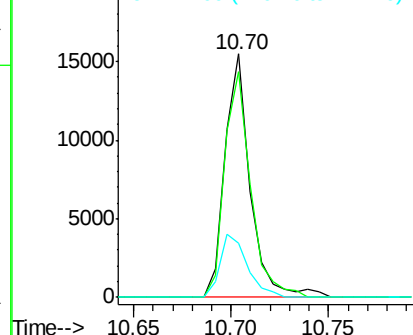


Abundance

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: 10.280 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

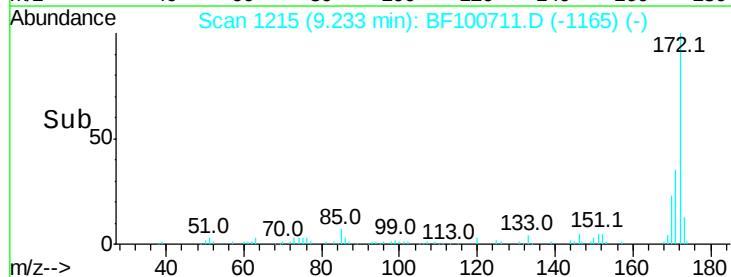
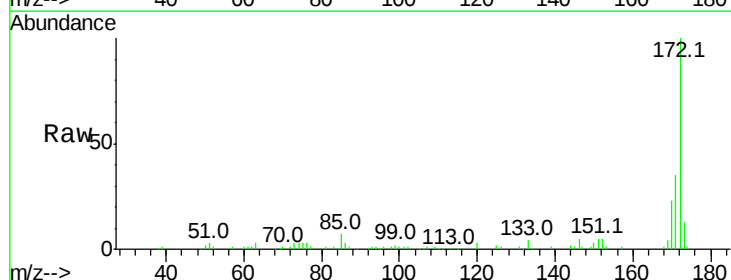
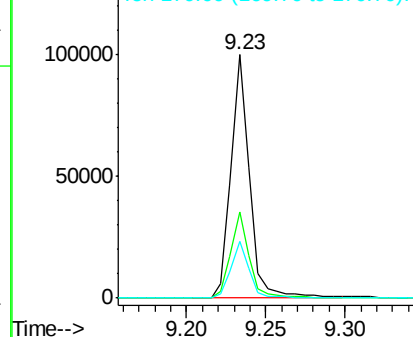
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	29.7	44.5	
170	23.2	19.6	29.4	

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





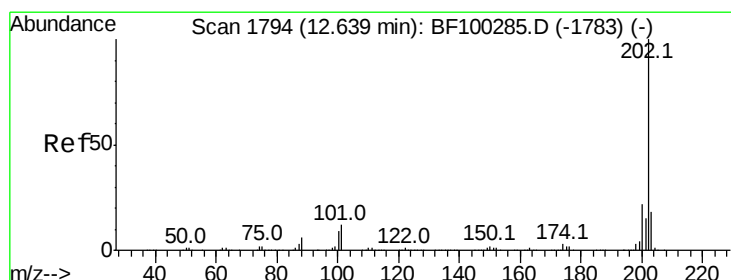
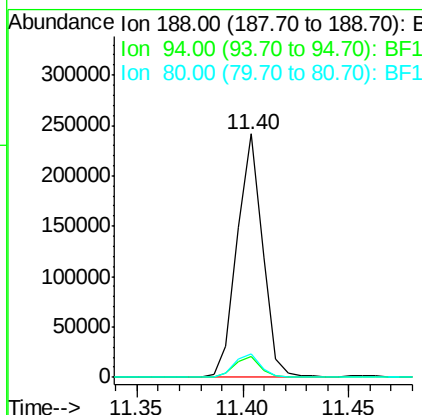
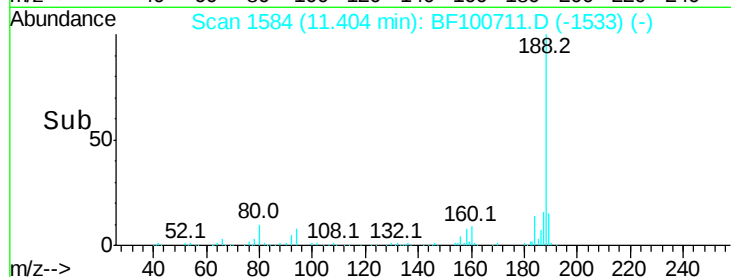
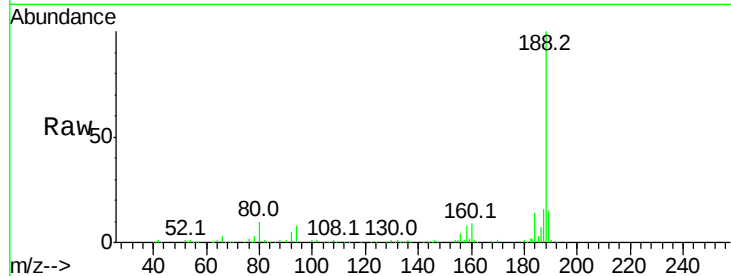
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

Instrument :
BNA_F
ClientSampleId :
G-31-2-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.5	8.5	12.7#
80	9.5	9.2	13.8

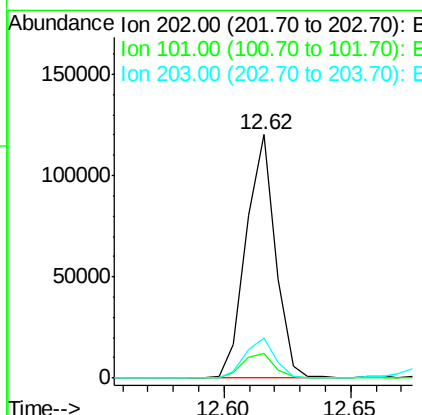
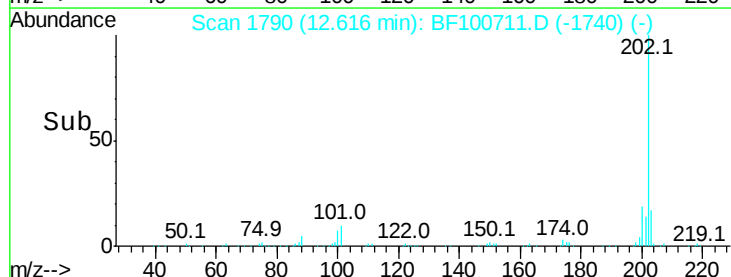
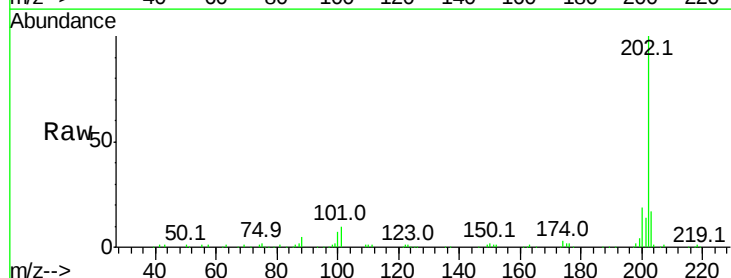
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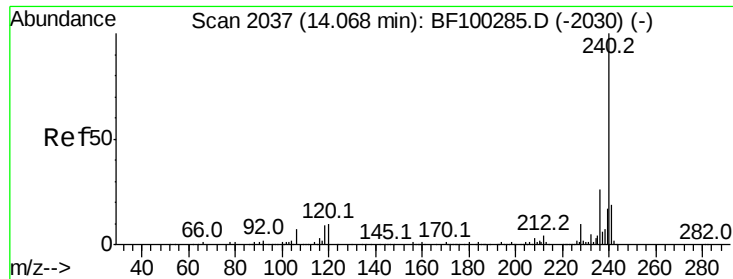
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#74
Fluoranthene
Concen: 8.631 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	9.9	0.0	34.1
203	16.7	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: BF100711.D

Acq: 18 Nov 2017 9:57

Instrument :

BNA_F

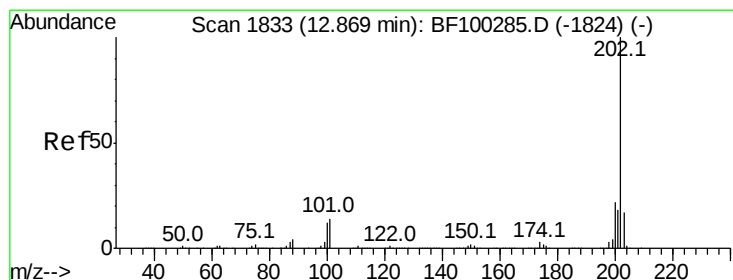
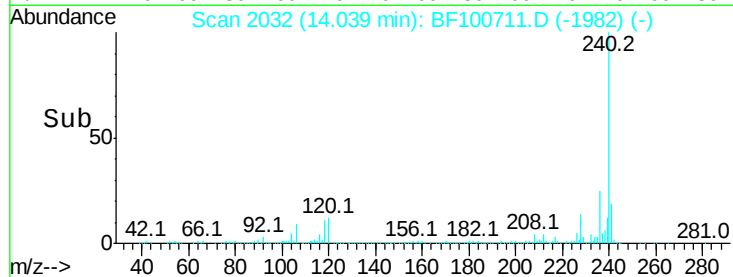
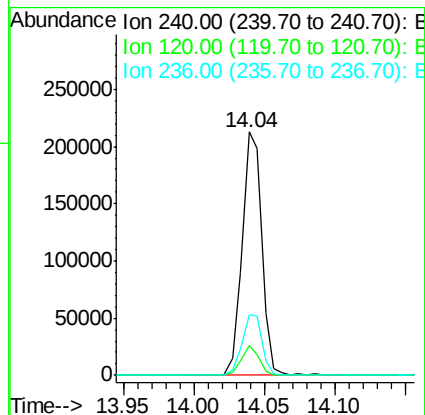
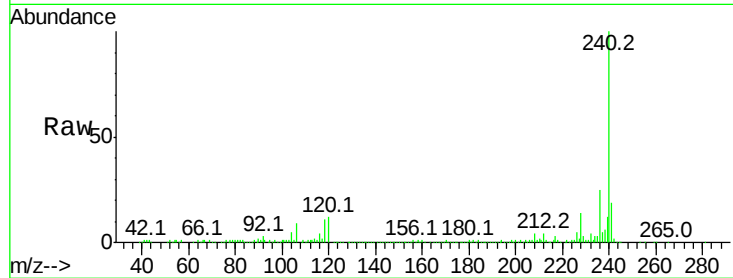
ClientSampleId :

G-31-2-1.5-3

Tot Ion:	240	Resp:	205970
Ion Ratio	Lower	Upper	
240	100		
120	12.3	9.5	14.3
236	24.8	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 6.925 ng

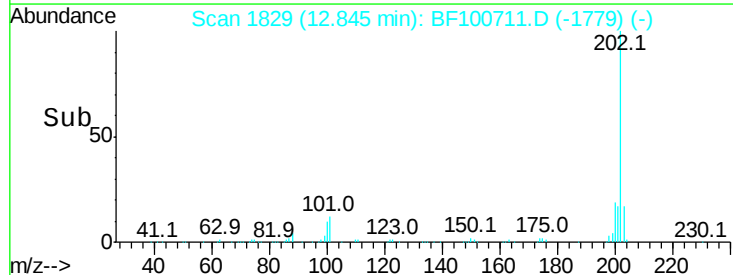
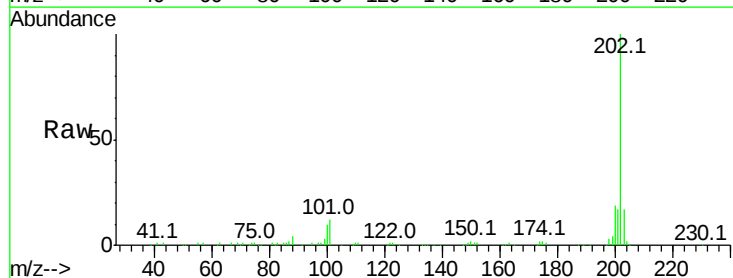
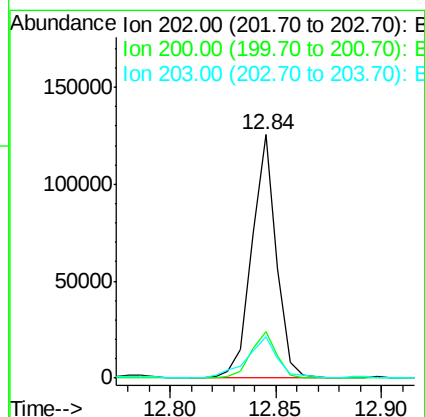
RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF100711.D

Acq: 18 Nov 2017 9:57

Tgt Ion:	202	Resp:	101676
Ion Ratio	Lower	Upper	
202	100		
200	19.2	17.4	26.2
203	17.2	14.3	21.5





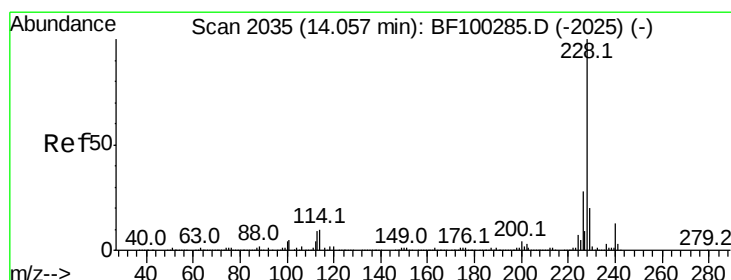
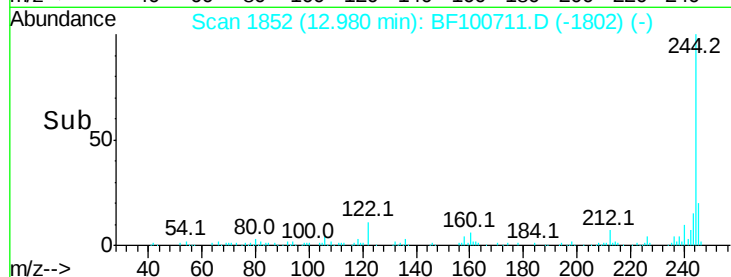
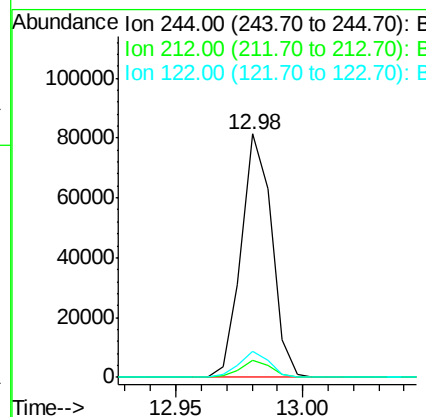
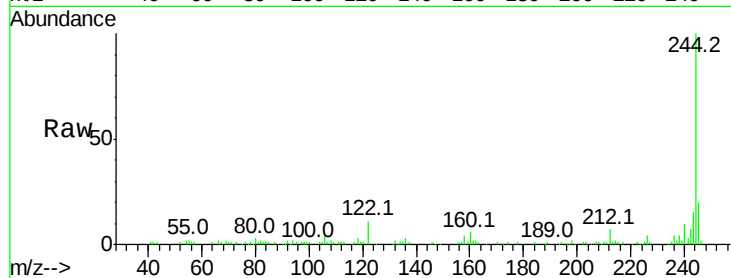
#78
 Terphenyl-d14
 Concen: 7.588 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Instrument :
 BNA_F
 ClientSampleId :
 G-31-2-1.5-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.9	11.0	16.4#

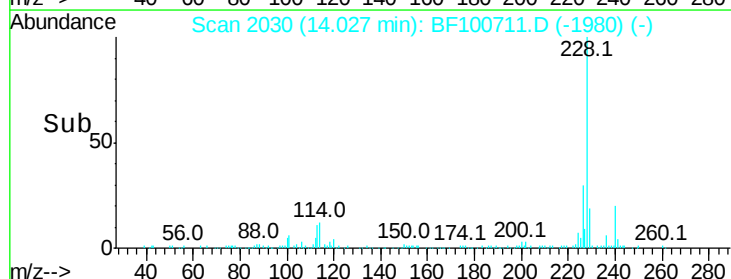
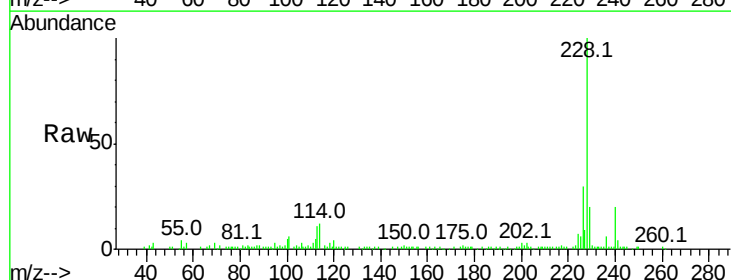
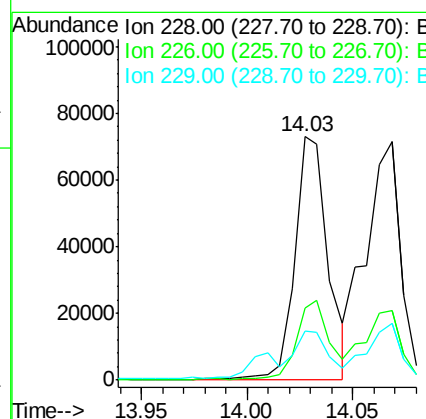
Manual Integrations
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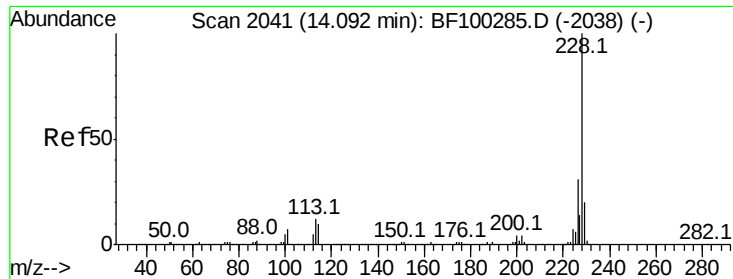
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#80
 Benzo(a)anthracene
 Concen: 6.482 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	20.3	15.8	23.6





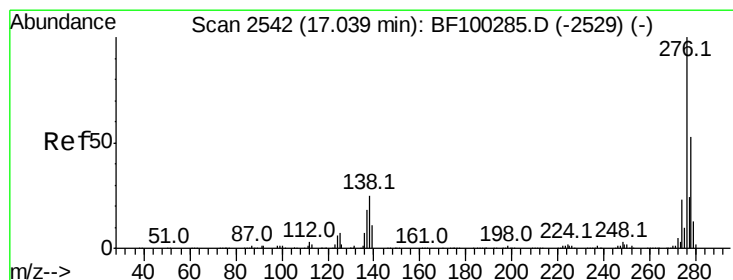
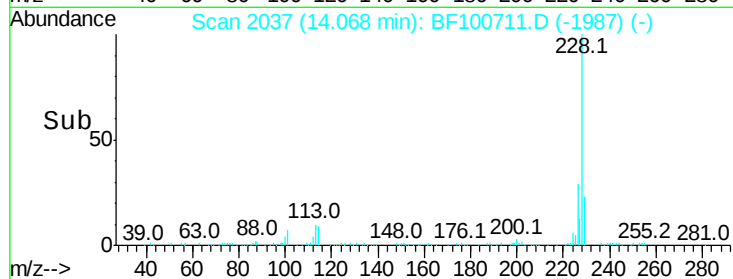
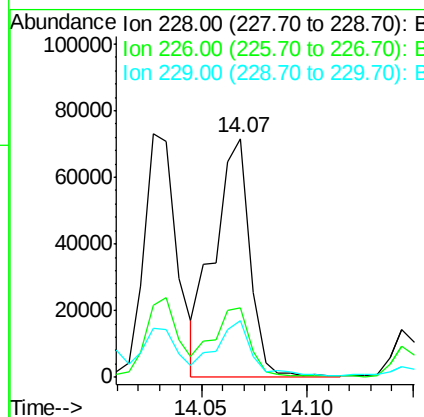
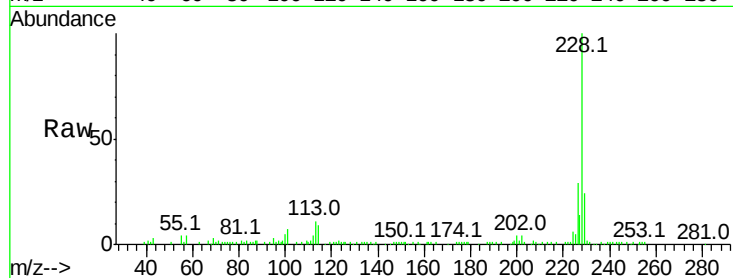
#82
Chrysene
Concen: 6.941 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

Instrument :
BNA_F
ClientSampleId :
G-31-2-1.5-3

Tot Ion:	228	Resp:	83365
Ion Ratio	Lower	Upper	
228	100		
226	29.3	25.0	37.6
229	23.8	16.2	24.4

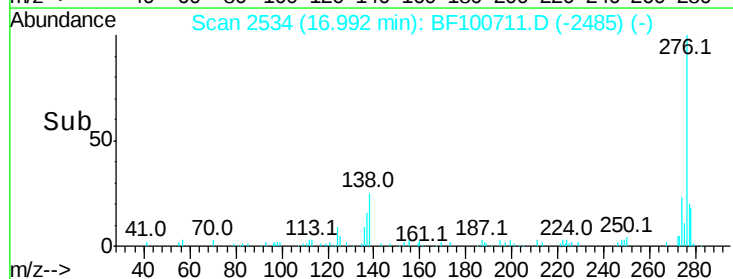
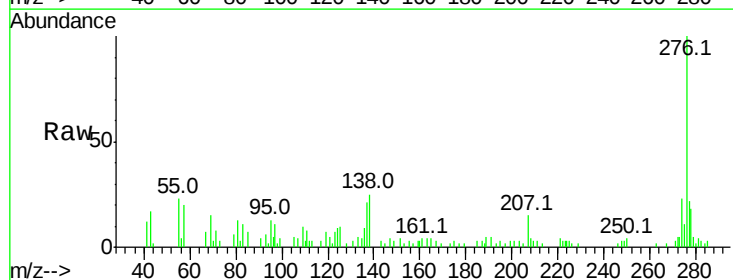
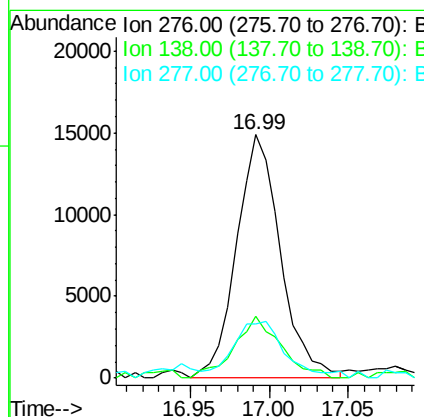
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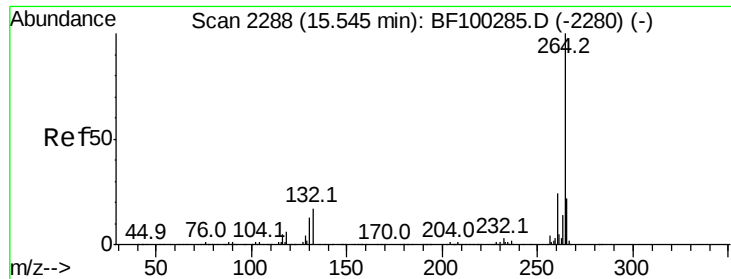
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.953 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

Tgt Ion:	276	Resp:	28693
Ion Ratio	Lower	Upper	
276	100		
138	26.9	25.0	37.6
277	28.3	20.1	30.1





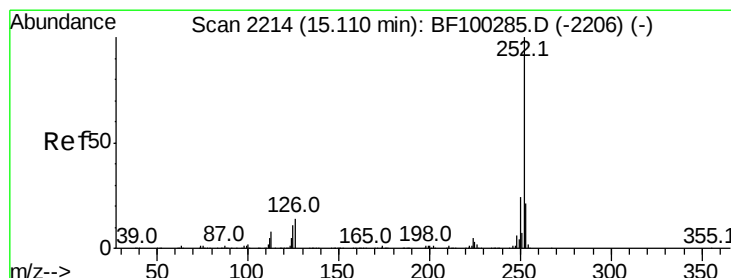
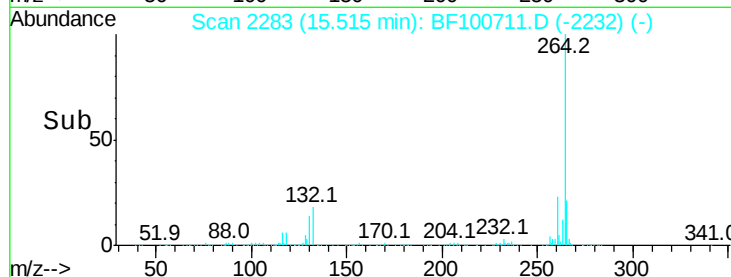
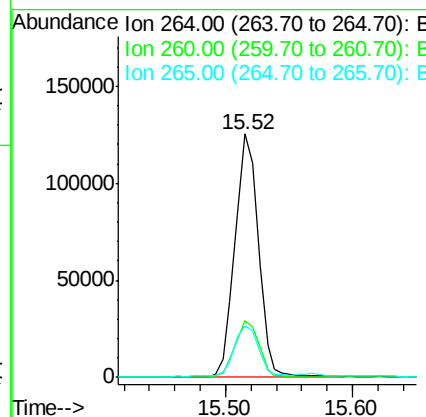
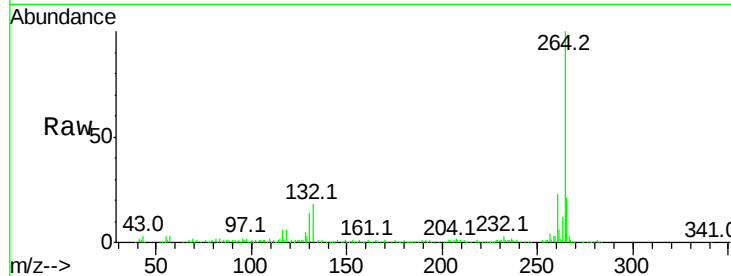
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

Instrument :
BNA_F
ClientSampleId :
G-31-2-1.5-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.2	17.5	26.3

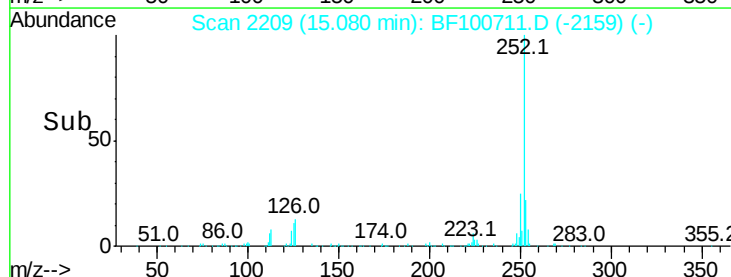
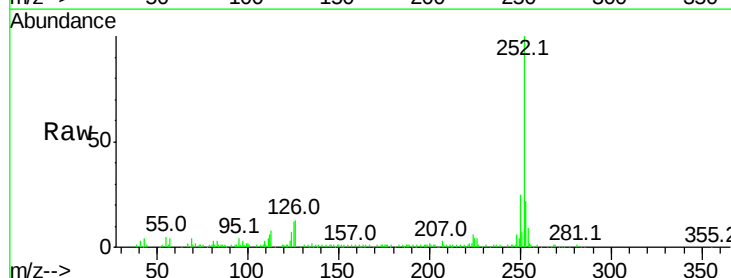
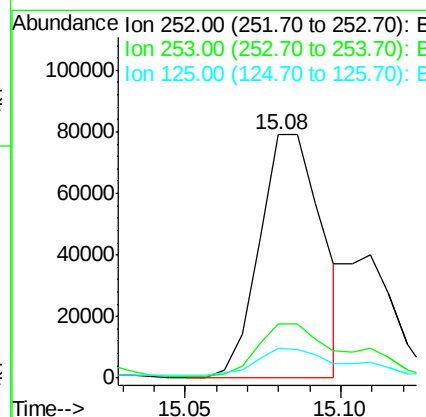
Manual Integrations
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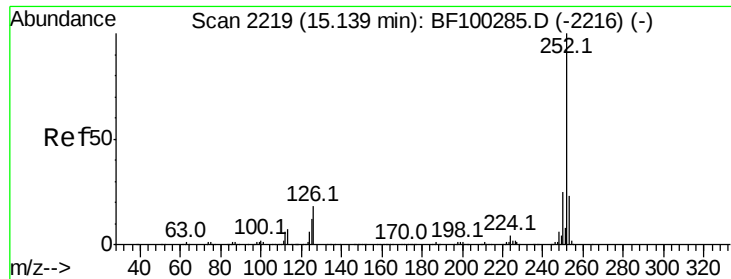
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11/20/2017 2:51:34 PM



#87
Benzo(b)fluoranthene
Concen: 11.641 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	12.3	9.0	13.6





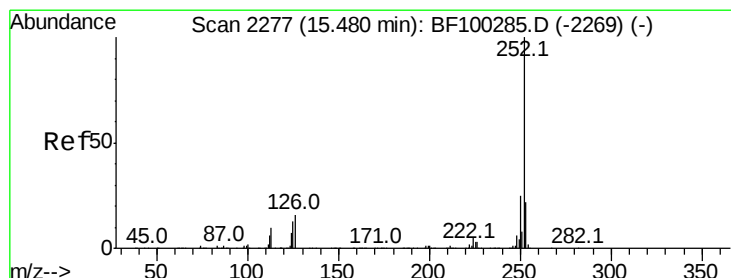
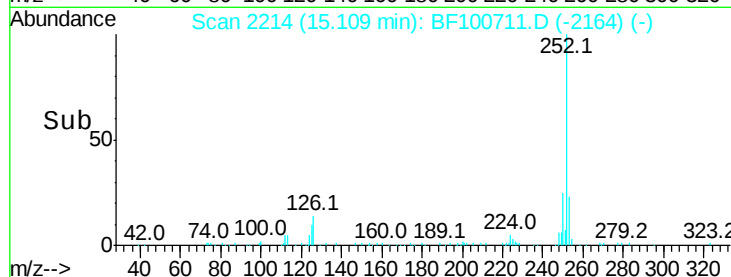
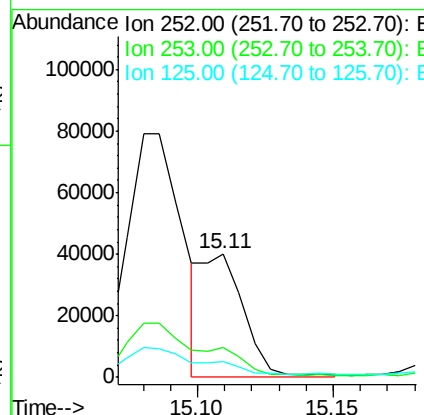
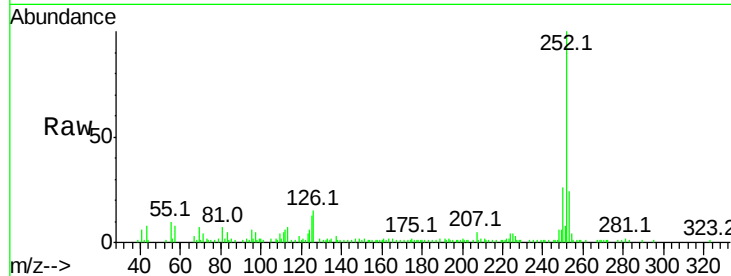
#88
Benzo(k)fluoranthene
Concen: 4.795 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

Instrument :
BNA_F
ClientSampled :
G-31-2-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	12.8	10.2	15.2

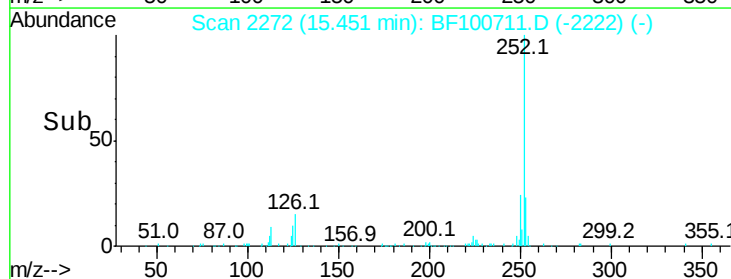
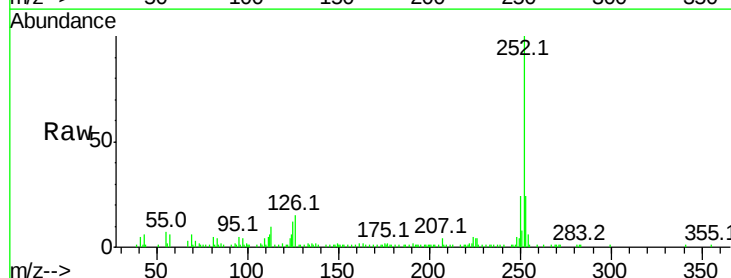
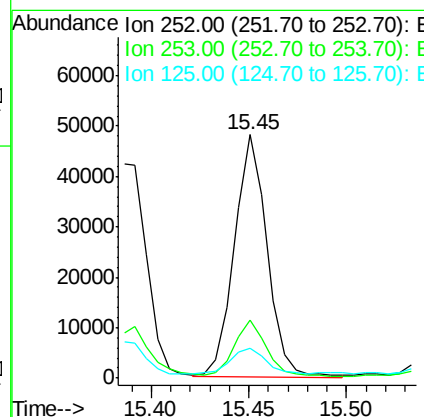
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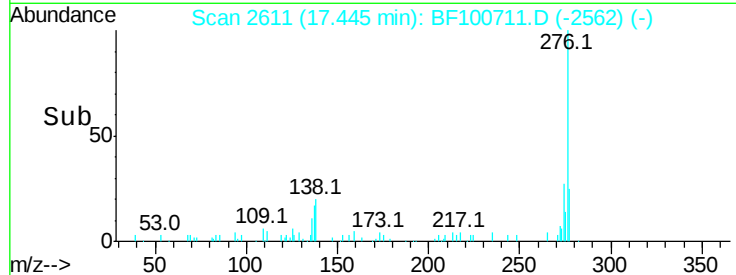
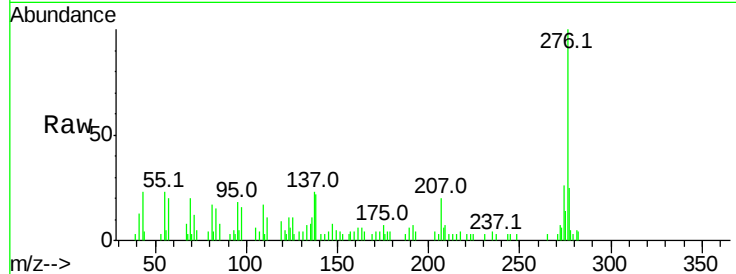
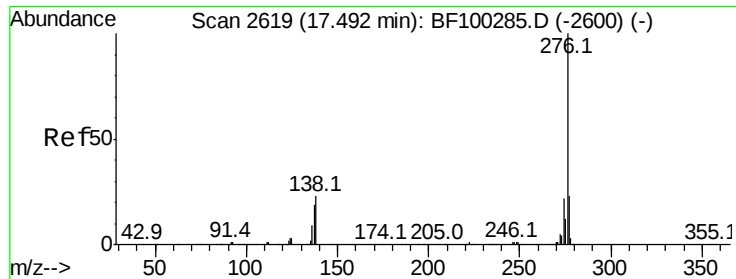
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#89
Benzo(a)pyrene
Concen: 6.642 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	12.0	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.730 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. -0.01 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Instrument :
 BNA_F
 ClientSampleId :
 G-31-2-1.5-3

Tot Ion:	276	Resp:	25235
Ion Ratio	Lower	Upper	
276	100		
277	24.7	17.9	26.9
138	22.0	21.8	32.8

Manual Integrations
 APPROVED

SOHIL
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