

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100982.D
 Acq On : 29 Nov 2017 17:11
 Operator : SJ/JU
 Sample : I6302-09 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-112817-B

Manual Integrations
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 11/30/2017 4:29:51 PM

Quant Time: Nov 30 06:33:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	94580	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	352394	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	151997	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	241018	20.00	ng	0.00
75) Chrysene-d12	14.02	240	196435	20.00	ng	0.00
86) Perylene-d12	15.49	264	153750	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	30251	5.13	ng	-0.02
7) Phenol-d6	6.47	99	37318	5.13	ng	-0.02
23) Nitrobenzene-d5	7.41	82	24805	4.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	7343	4.74	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	50136	5.02	ng	0.00
78) Terphenyl-d14	12.96	244	36708	4.29	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.16	128	48909	2.882	ng	97
37) 2-Methylnaphthalene	8.85	142	37372	3.316	ng	98
51) Acenaphthene	9.92	154	22517	2.343	ng	99
57) Fluorene	10.44	166	34569	3.503	ng	# 95
70) Phenanthrene	11.40	178	169372	13.347	ng	98
71) Anthracene	11.45	178	51299	3.985	ng	96
74) Fluoranthene	12.59	202	152832	11.364	ng	93
77) Pyrene	12.82	202	126198	9.012	ng	99
80) Benzo(a)anthracene	14.01	228	66933	5.658	ng	97
82) Chrysene	14.04	228	50080	4.372	ng	97
87) Benzo(b)fluoranthene	15.06	252	51548m	5.659	ng	
89) Benzo(a)pyrene	15.43	252	34480	4.270	ng	97
91) Benzo(a,h,i)perylene	17.42	276	17230	2.665	ng	# 94

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

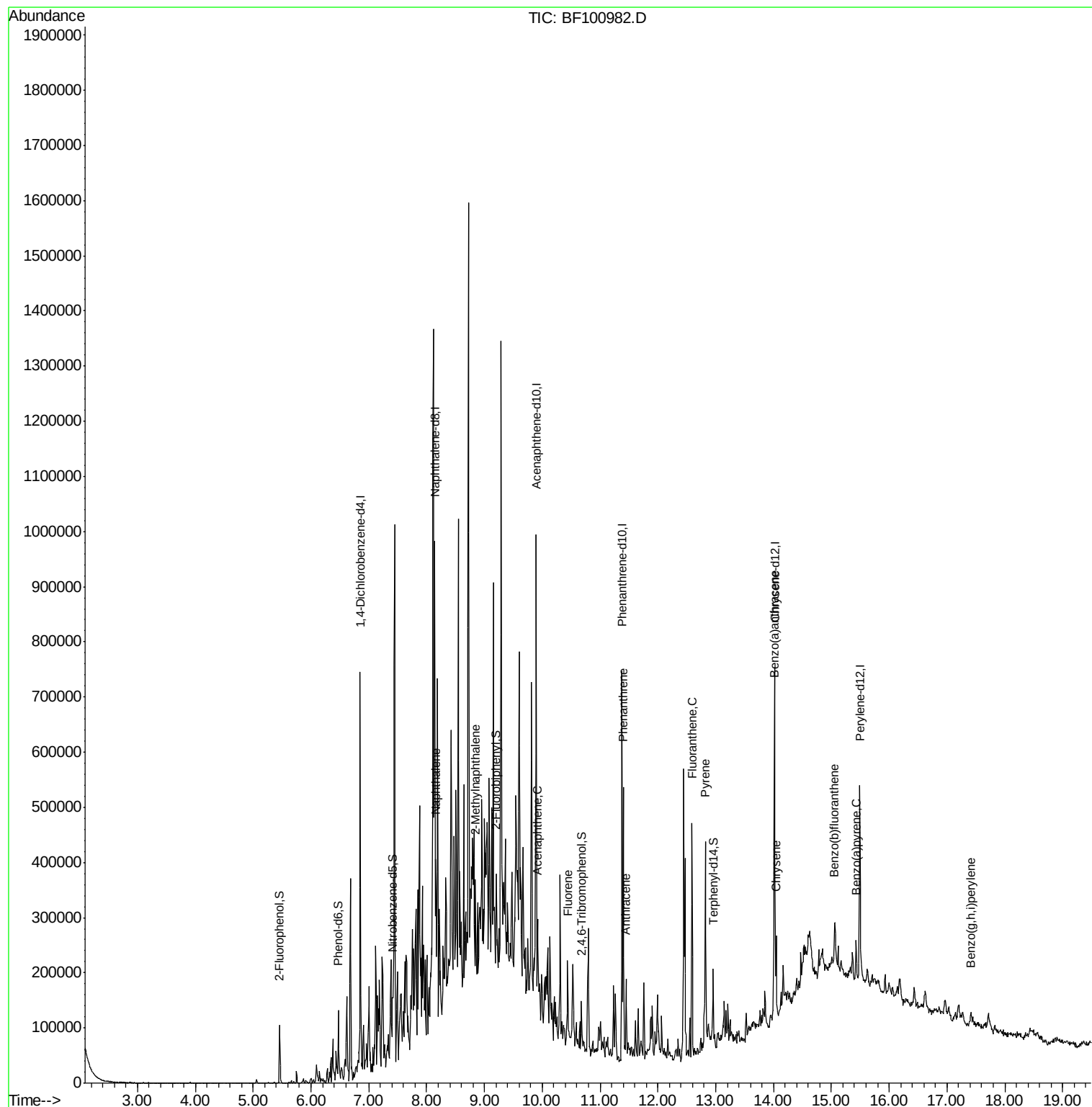
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
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Sample : I6302-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

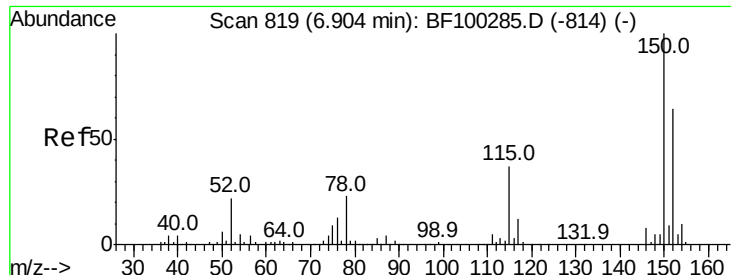
Instrument :
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#1

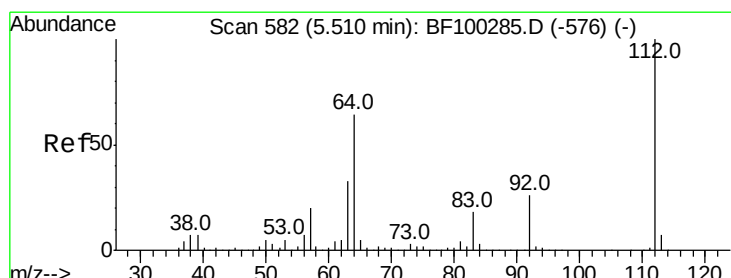
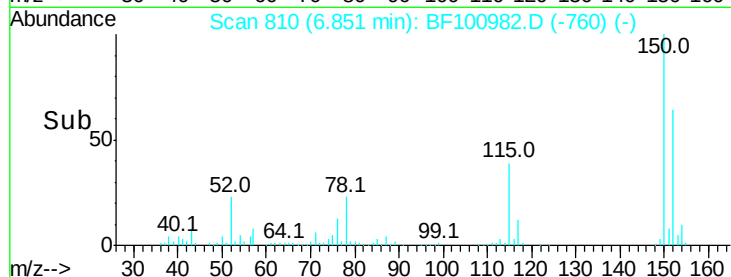
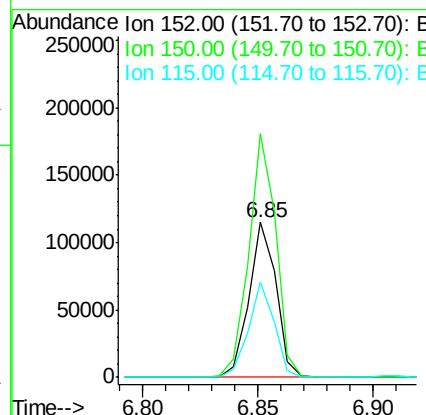
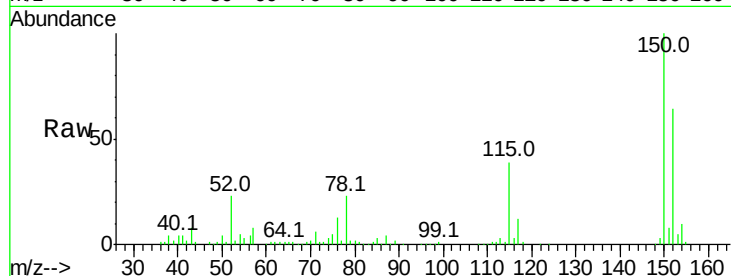
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Instrument :
BNA_F
ClientSampleId :
HR-06-112817-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	61.1	50.1	75.1

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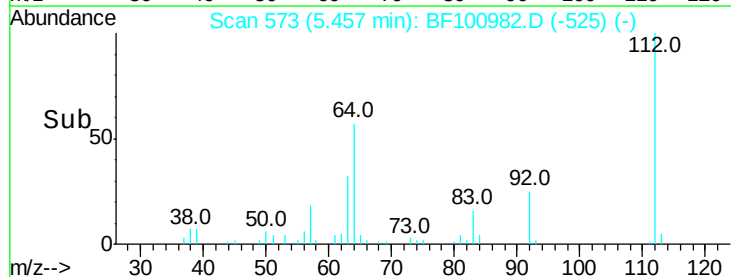
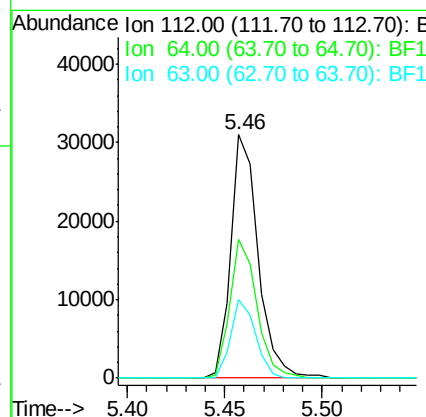
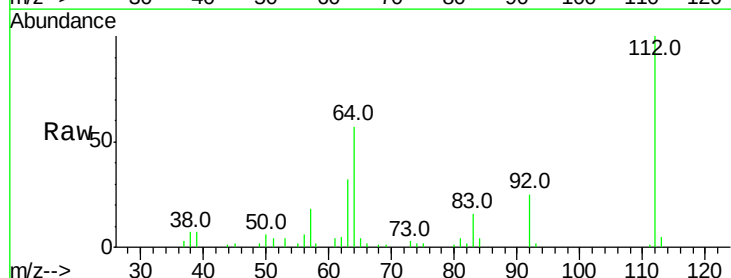
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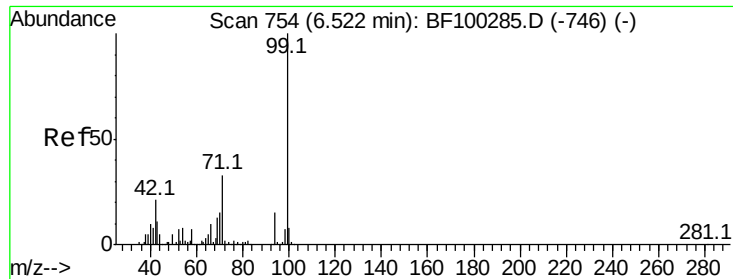


#5

2-Fluorophenol
Concen: 5.127 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.9	71.9
63	32.1	23.7	35.5





#7

Phenol-d6

Concen: 5.129 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Instrument :

BNA_F

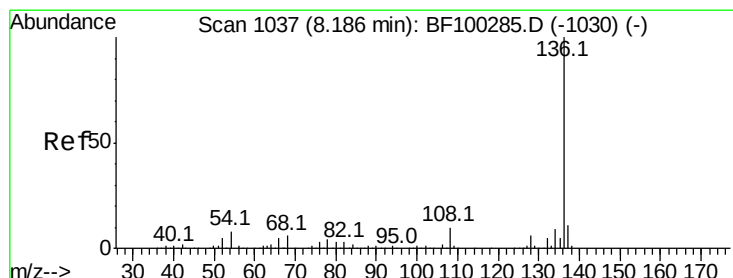
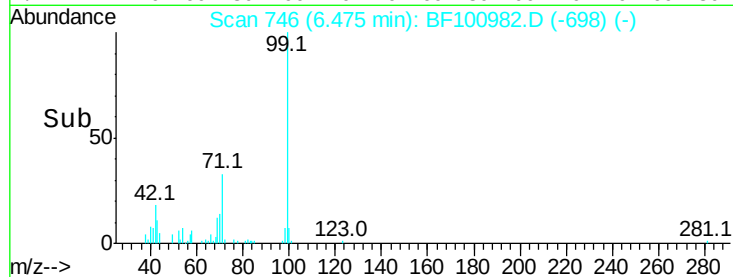
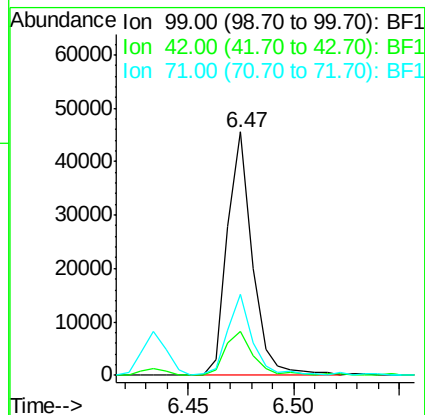
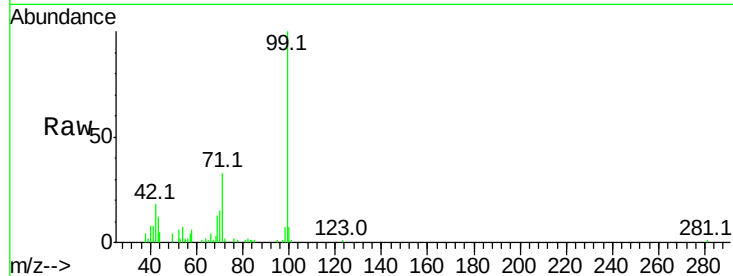
ClientSampleId :

HR-06-112817-B

Tot Ion:	99	Resp:	37318
Ion Ratio	Lower	Upper	
99	100		
42	18.0	14.5	21.7
71	33.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

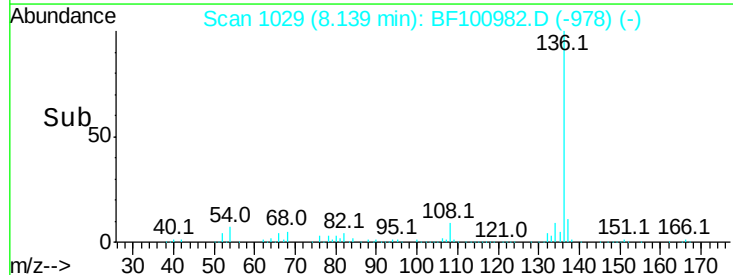
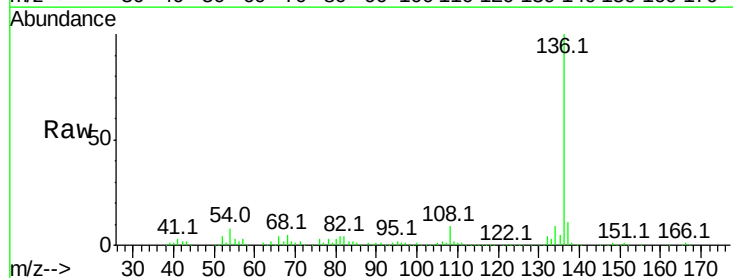
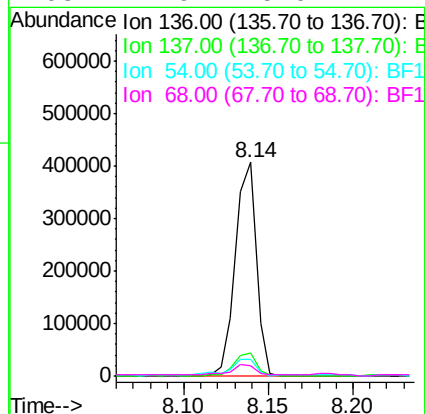
RT: 8.14 min Scan# 1029

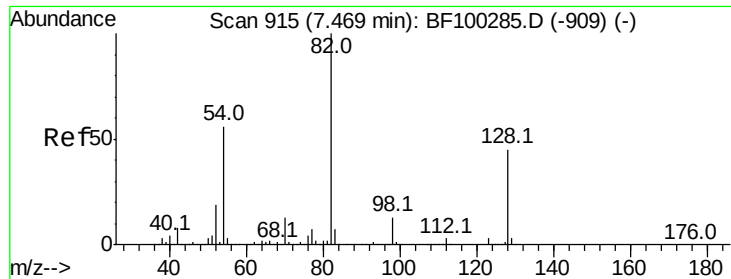
Delta R.T. -0.00 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Tgt Ion:	136	Resp:	352394
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.6	6.6	9.8
68	4.9	5.0	7.4#





#23

Nitrobenzene-d5

Concen: 4.654 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Instrument :

BNA_F

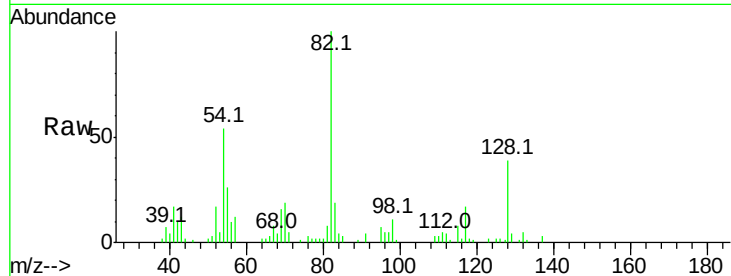
ClientSampleId :

HR-06-112817-B

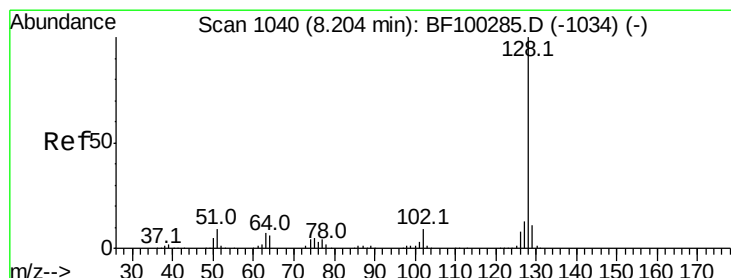
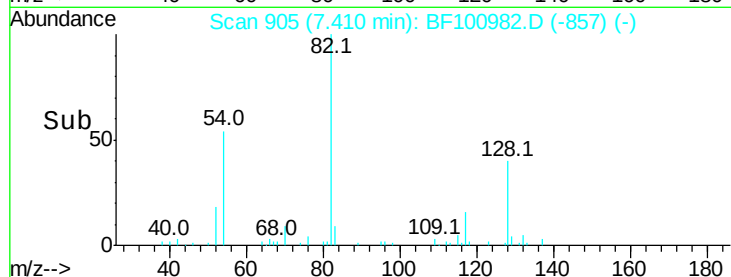
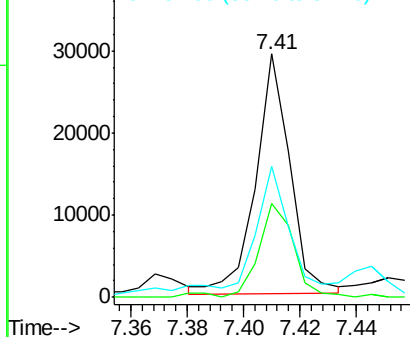
Tot Ion:	82	Resp:	24805
Ion Ratio	Lower	Upper	
82	100		
128	38.5	36.1	54.1
54	53.8	41.4	62.2

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



#31

Naphthalene

Concen: 2.882 ng

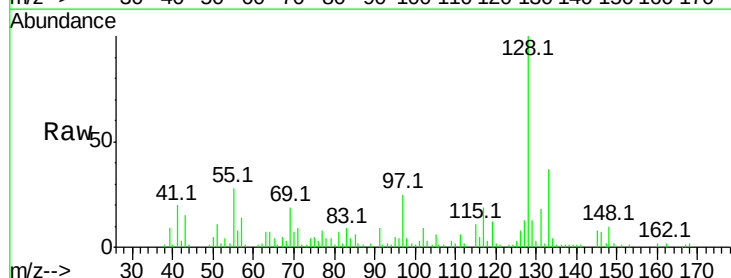
RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

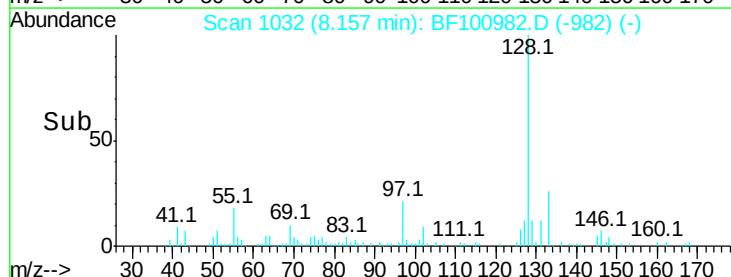
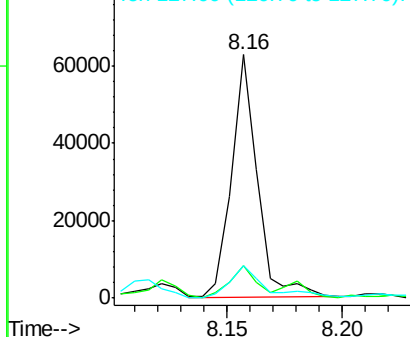
Lab File: BF100982.D

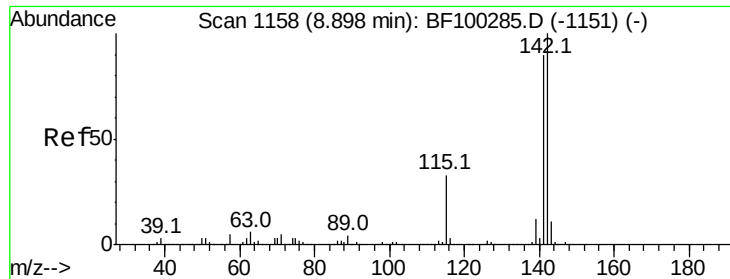
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Tgt Ion:	128	Resp:	48909
Ion Ratio	Lower	Upper	
128	100		
129	13.1	8.8	13.2
127	13.2	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





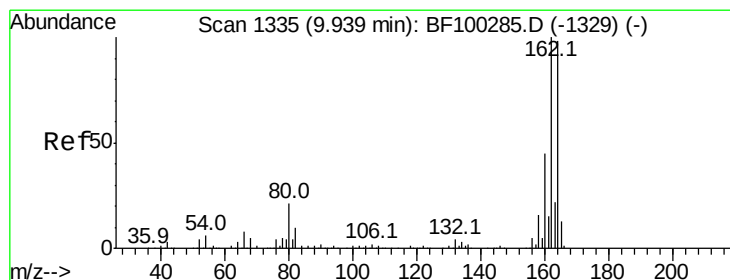
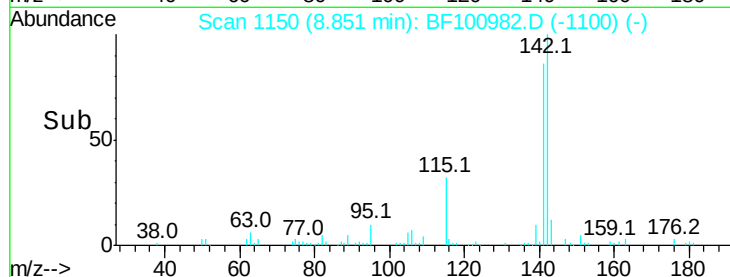
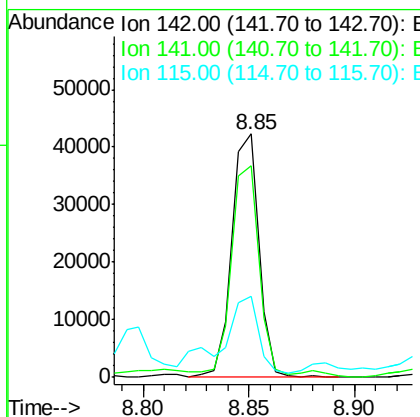
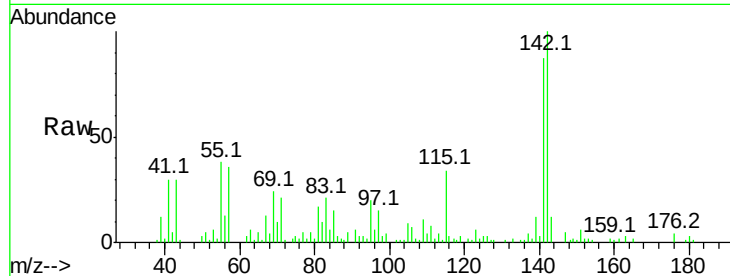
#37
2-Methylnaphthalene
Concen: 3.316 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Instrument :
BNA_F
ClientSampleId :
HR-06-112817-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.8	106.2
115	33.6	26.1	39.1

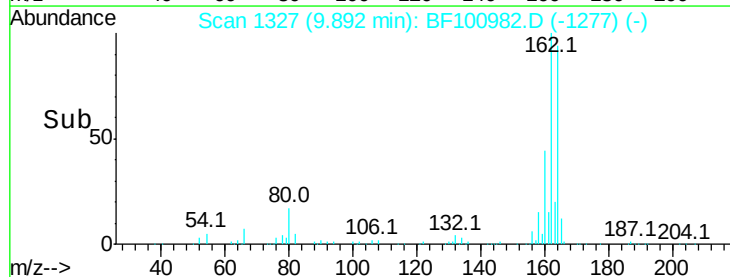
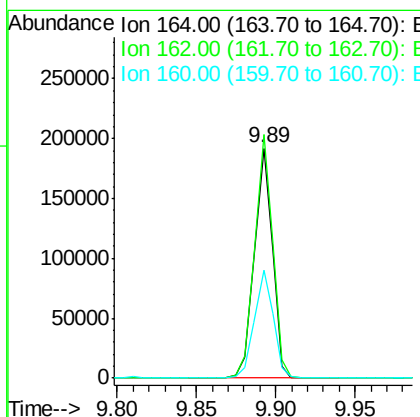
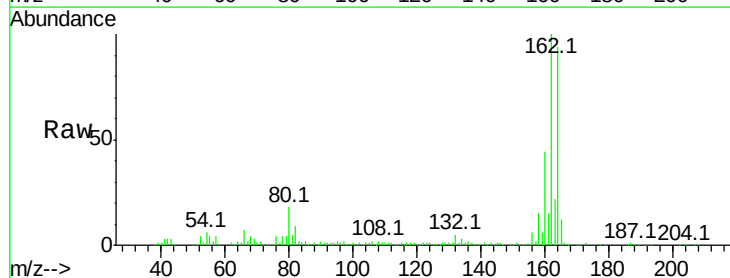
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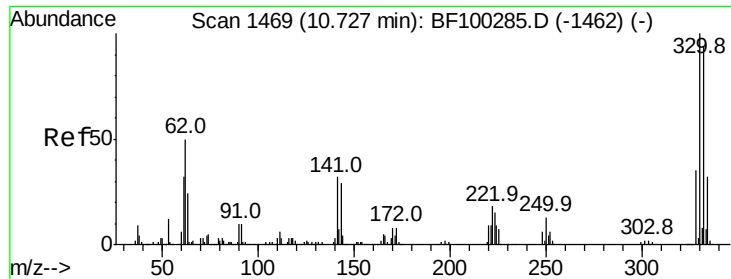
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	46.9	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 4.741 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Instrument :

BNA_F

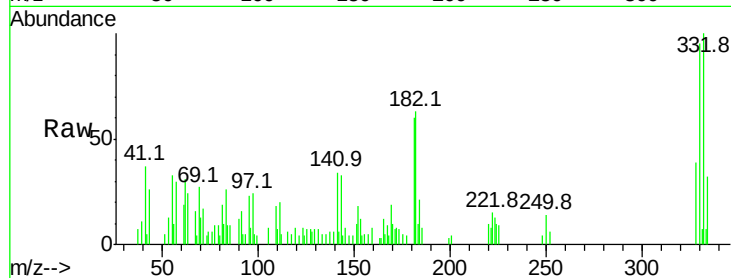
ClientSampleId :

HR-06-112817-B

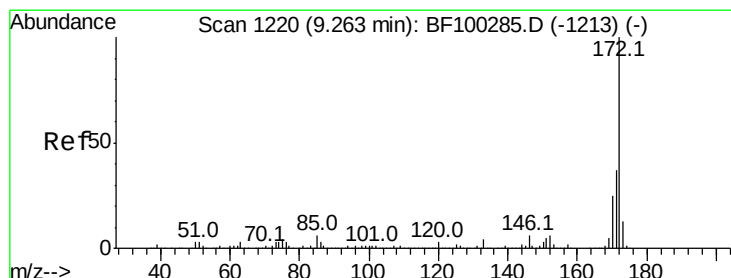
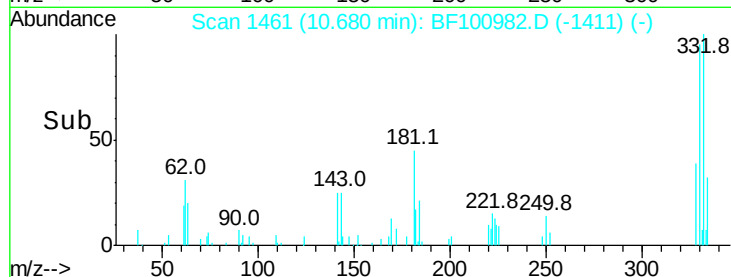
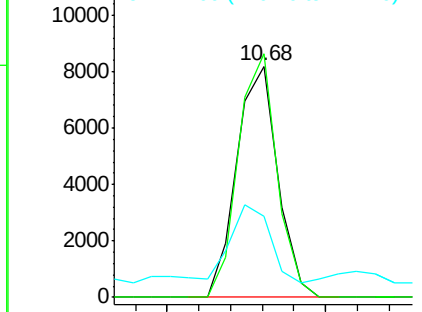
Tot Ion:	330	Resp:	7343
Ion Ratio	Lower	Upper	
330	100		
332	99.1	77.0	115.6
141	36.6	29.9	44.9

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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: 5.023 ng

RT: 9.21 min Scan# 1211

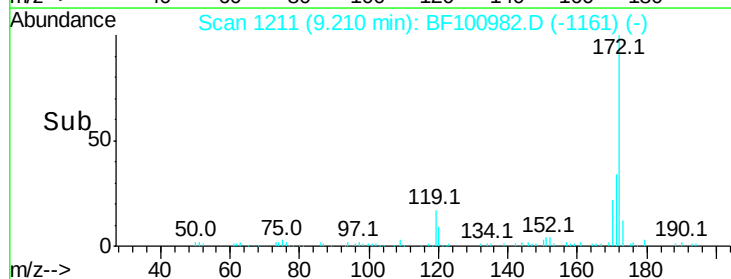
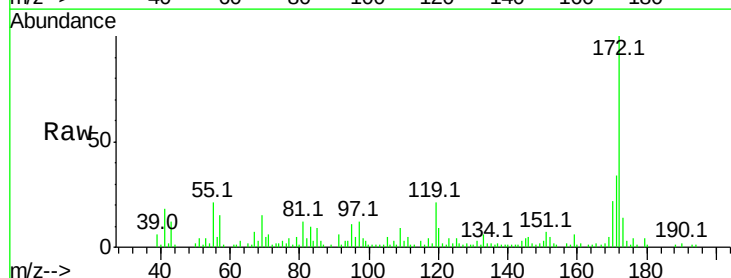
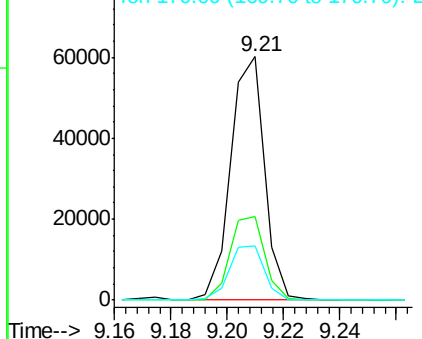
Delta R.T. -0.01 min

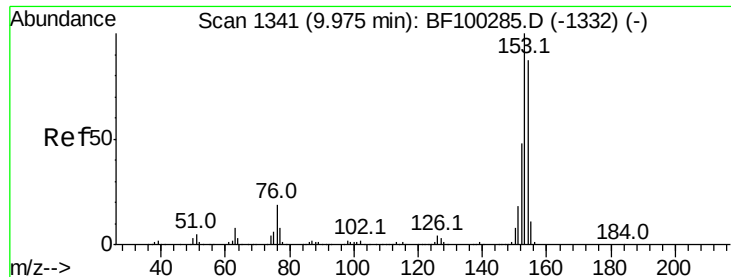
Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Tgt Ion:	172	Resp:	50136
Ion Ratio	Lower	Upper	
172	100		
171	34.4	29.7	44.5
170	22.0	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





#51

Acenaphthene

Concen: 2.343 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Instrument :

BNA_F

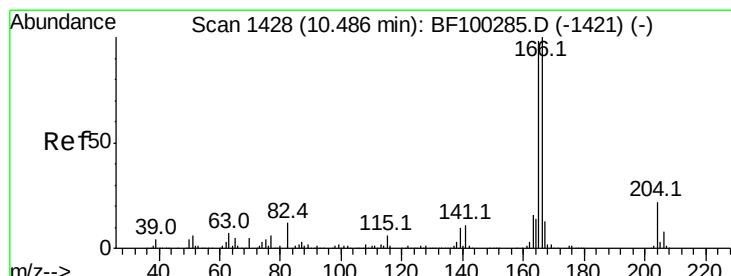
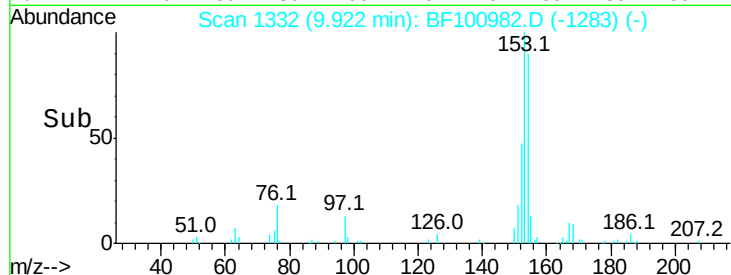
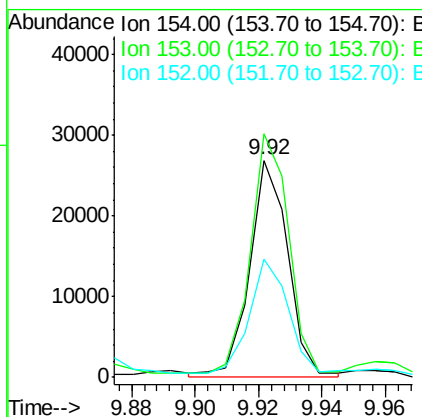
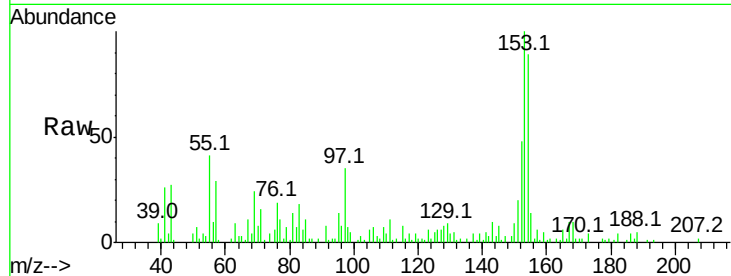
ClientSampleId :

HR-06-112817-B

Tot Ion:	154	Resp:	22517
Ion Ratio	Lower	Upper	
154	100		
153	112.2	91.2	136.8
152	54.2	43.8	65.8

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#57

Fluorene

Concen: 3.503 ng

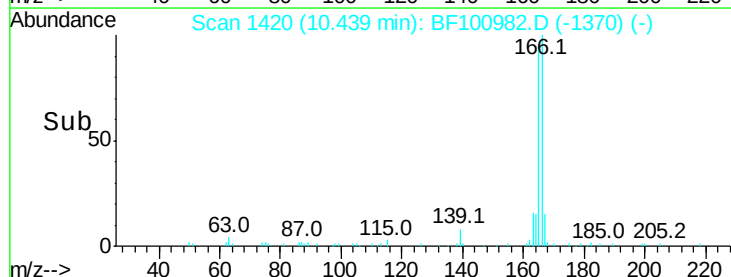
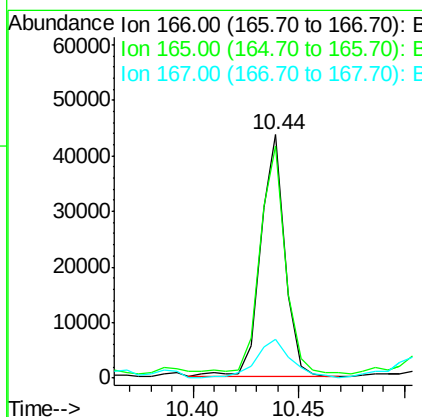
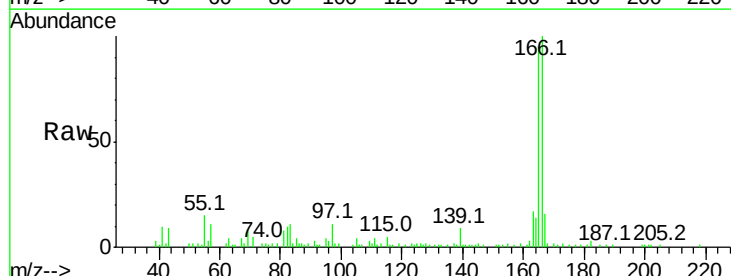
RT: 10.44 min Scan# 1420

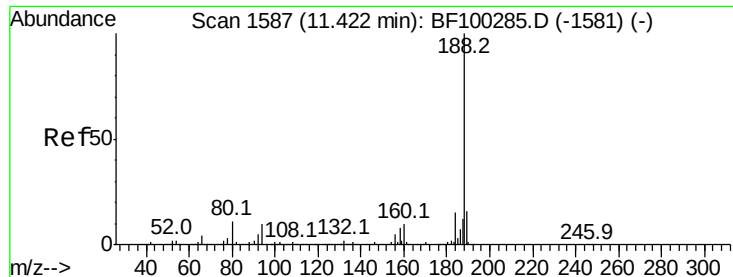
Delta R.T. -0.01 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Tgt Ion:	166	Resp:	34569
Ion Ratio	Lower	Upper	
166	100		
165	95.3	79.8	119.8
167	16.0	10.6	16.0#





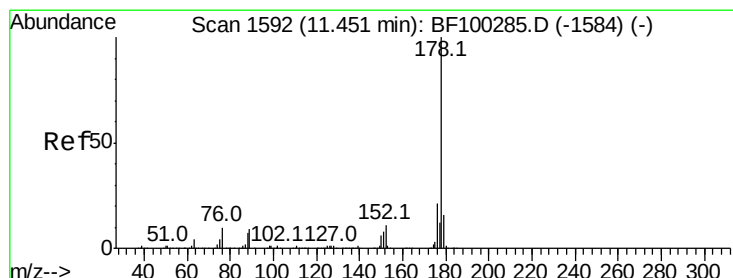
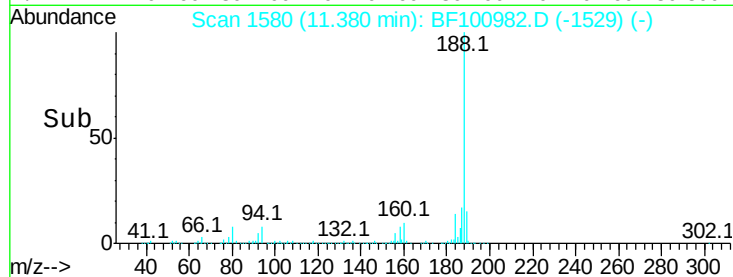
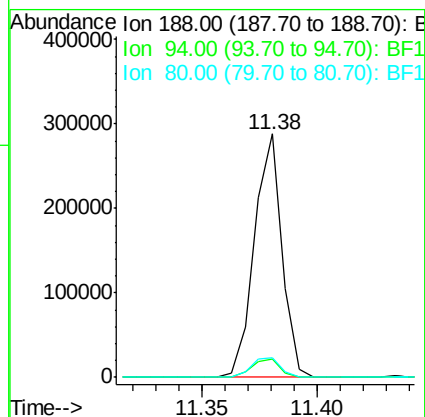
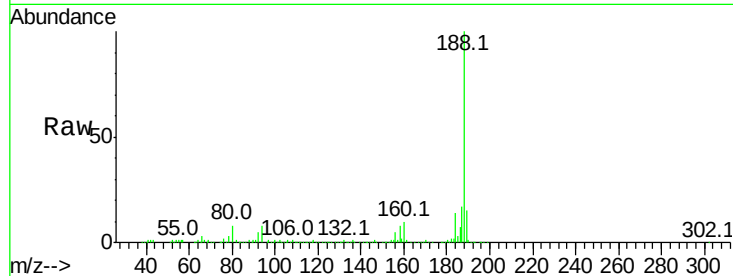
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-112817-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	8.1	9.2	13.8#

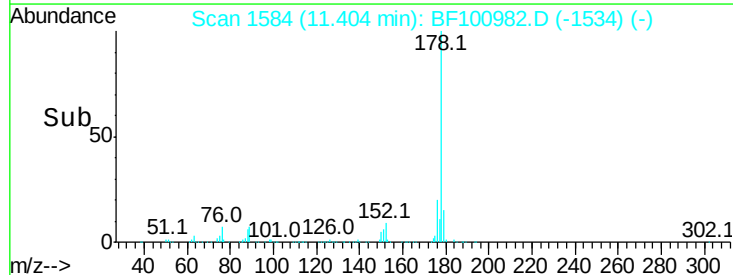
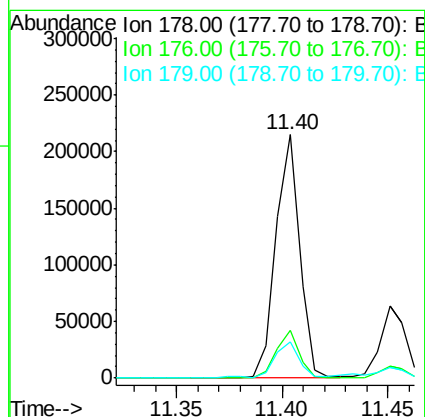
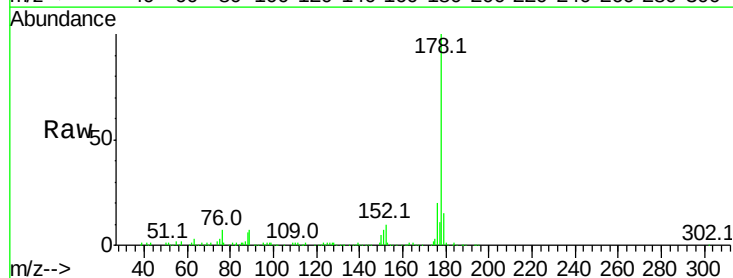
Manual Integrations
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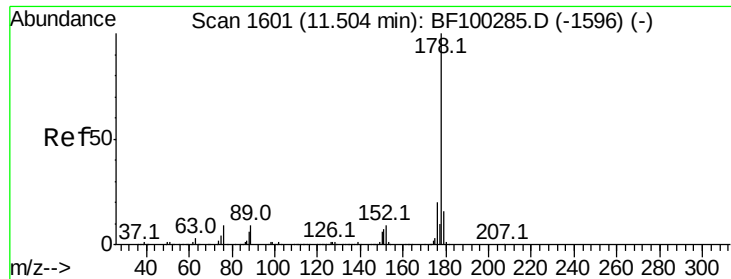
Sohil
 11/30/2017 4:29:51 PM



#70
 Phenanthrene
 Concen: 13.347 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.0	13.0	19.6





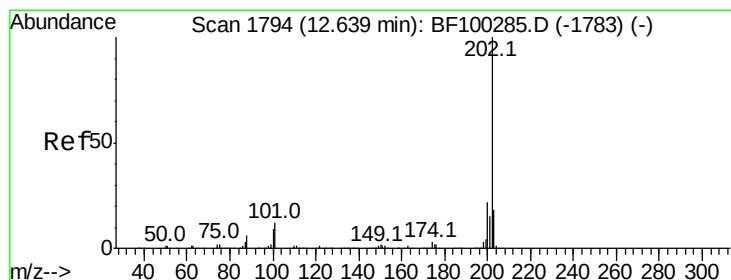
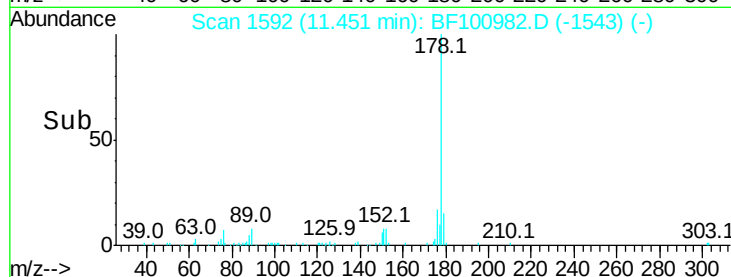
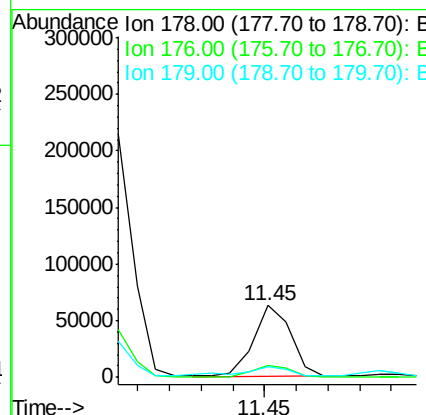
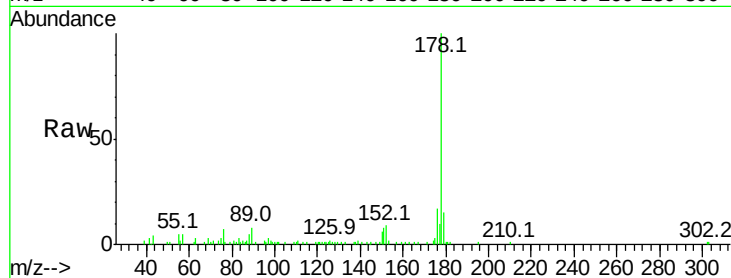
#71
 Anthracene
 Concen: 3.985 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-112817-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.6	15.4	23.2
179	15.1	12.6	19.0

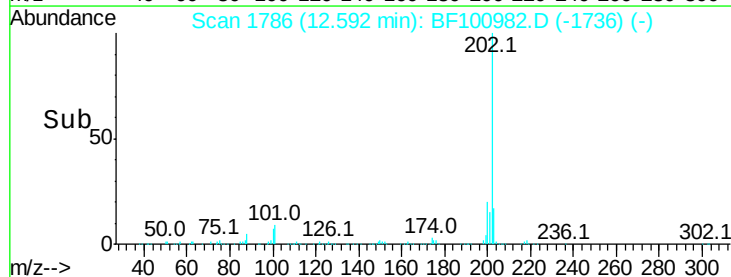
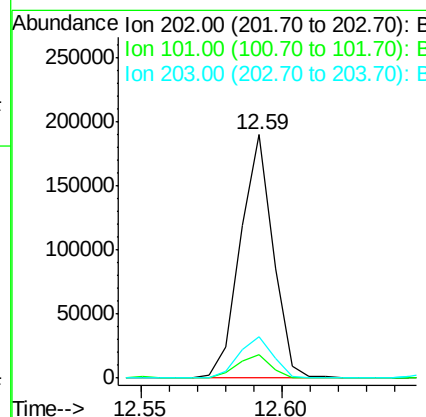
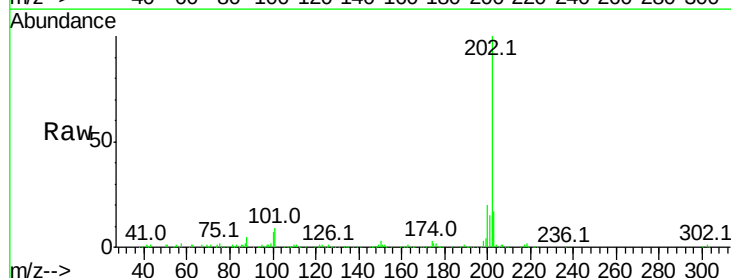
Manual Integrations
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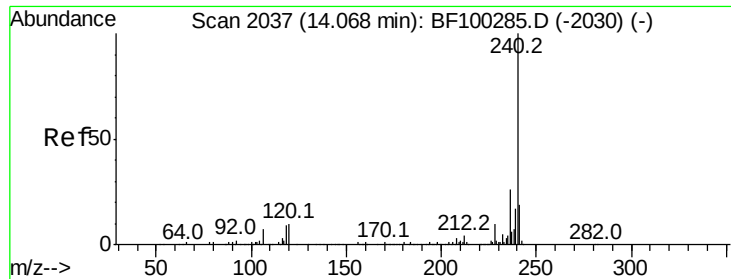
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#74
 Fluoranthene
 Concen: 11.364 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	34.1
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Instrument :

BNA_F

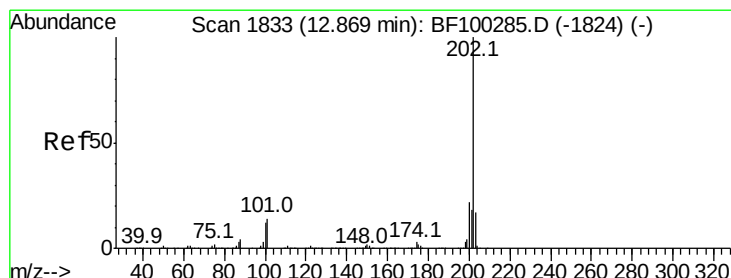
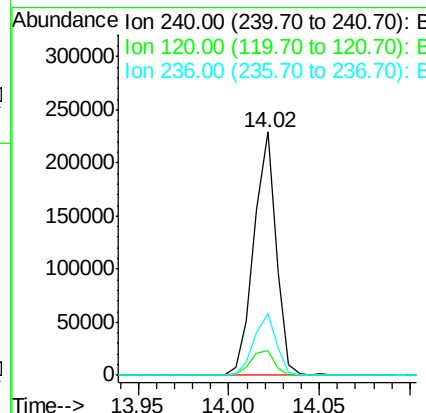
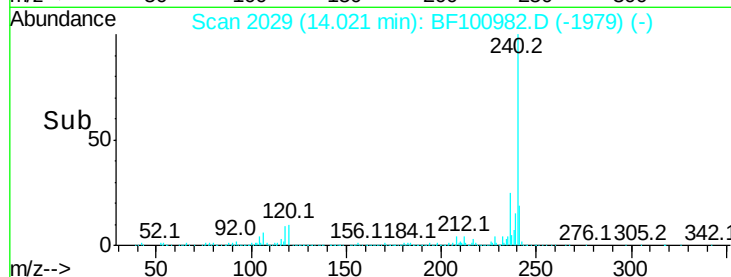
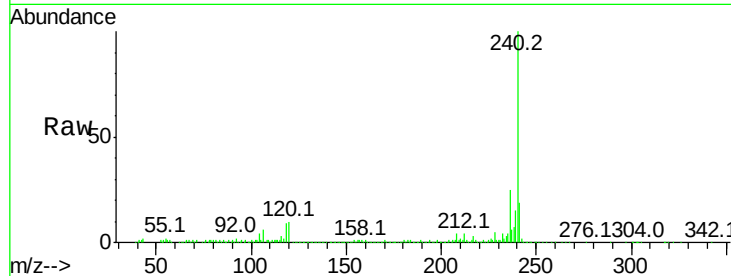
ClientSampleId :

HR-06-112817-B

Tot Ion:	240	Resp:	196435
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.5	14.3
236	25.2	20.7	31.1

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#77

Pyrene

Concen: 9.012 ng

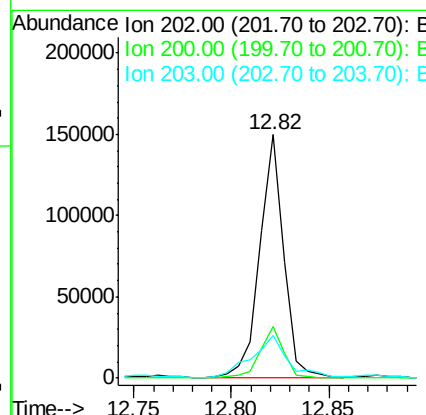
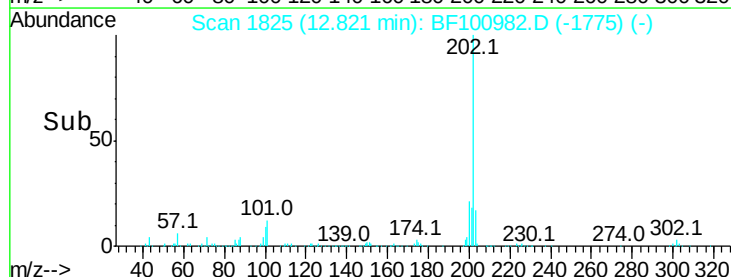
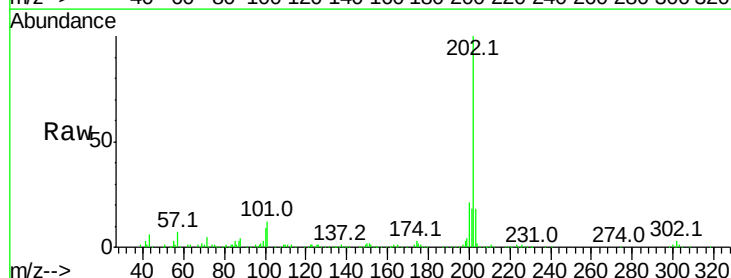
RT: 12.82 min Scan# 1825

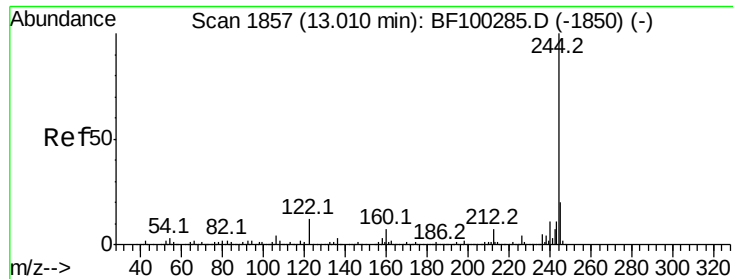
Delta R.T. -0.01 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Tgt Ion:	202	Resp:	126198
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.6	14.3	21.5





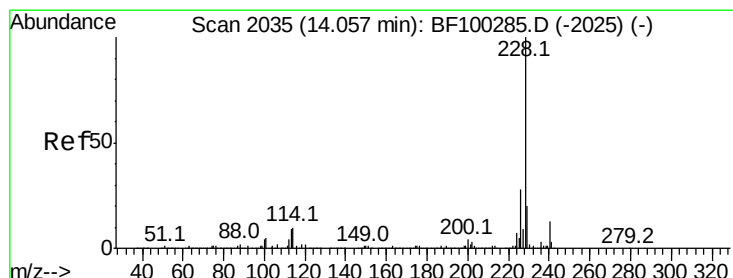
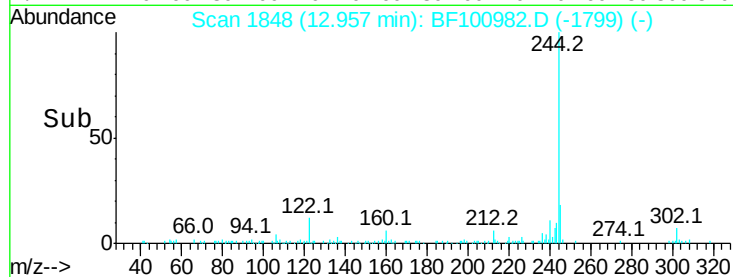
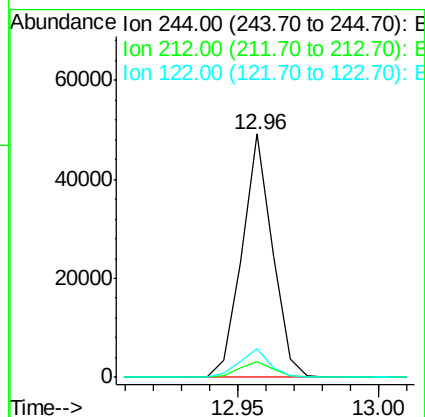
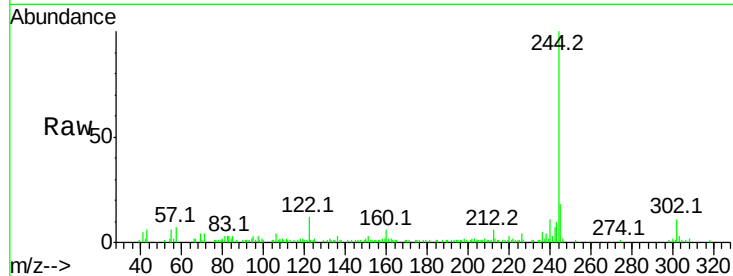
#78
 Terphenyl-d14
 Concen: 4.294 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-112817-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.6	11.0	16.4

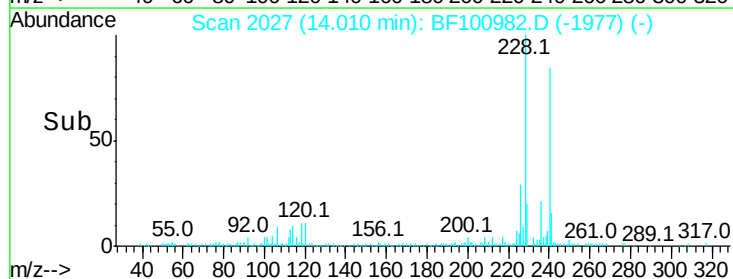
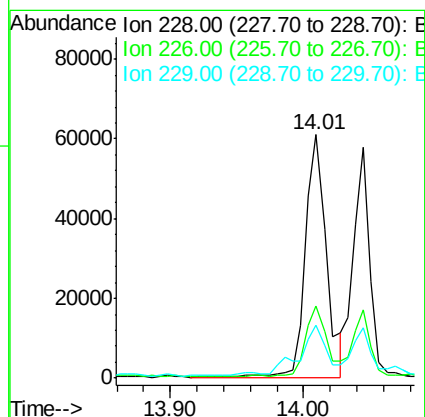
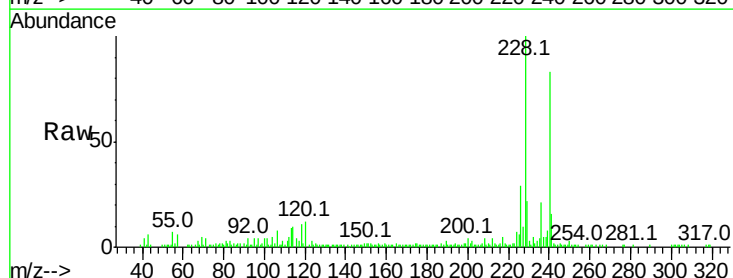
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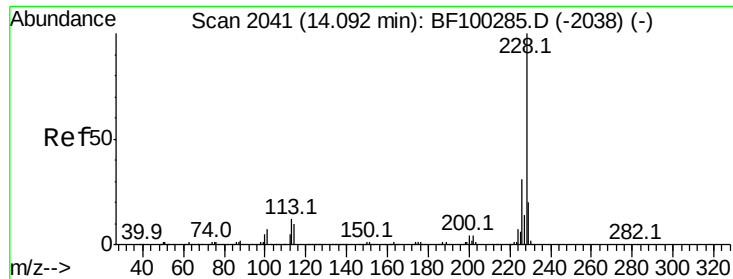
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#80
 Benzo(a)anthracene
 Concen: 5.658 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	21.6	15.8	23.6





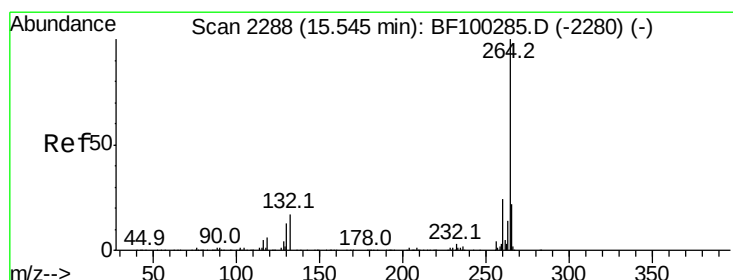
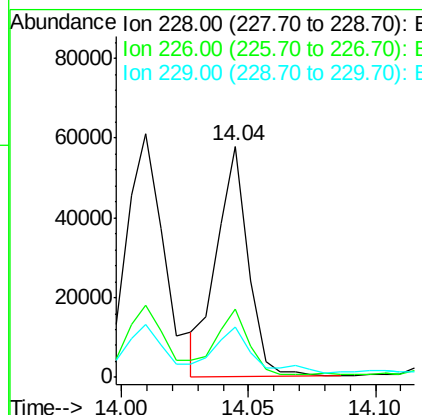
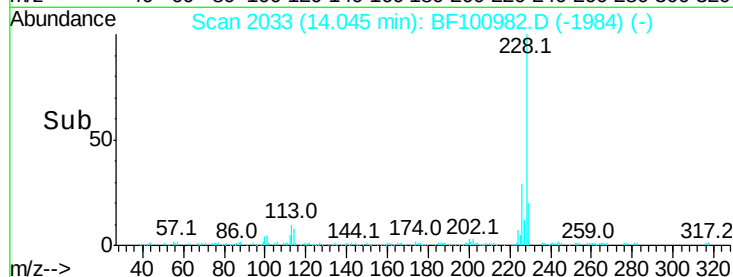
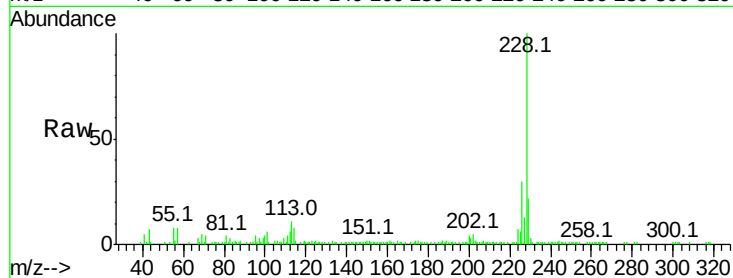
#82
Chrysene
Concen: 4.372 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Instrument :
BNA_F
ClientSampleId :
HR-06-112817-B

Tot Ion:	228	Resp:	50080
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.6
229	21.8	16.2	24.4

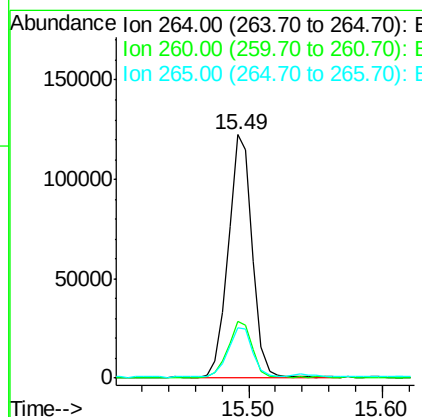
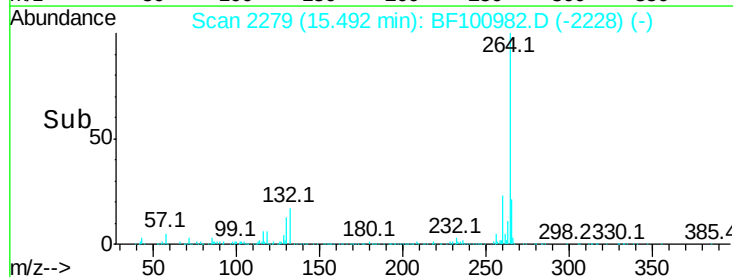
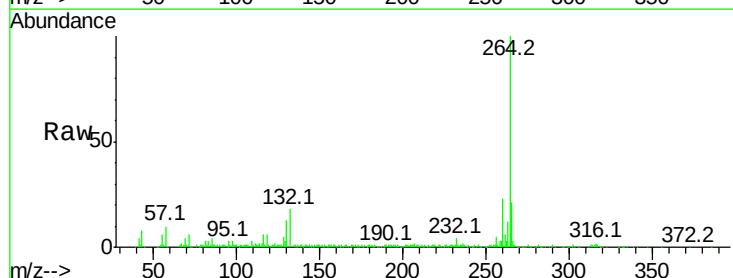
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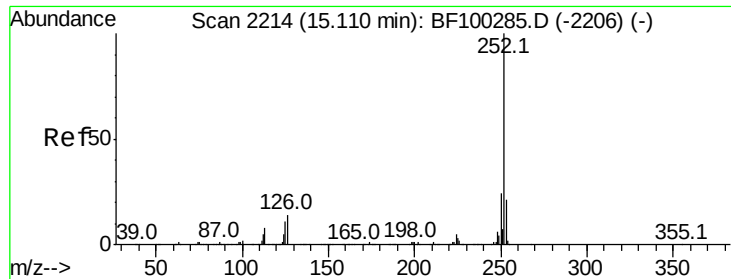
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Tgt Ion:	264	Resp:	153750
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.2	28.8
265	20.8	17.5	26.3





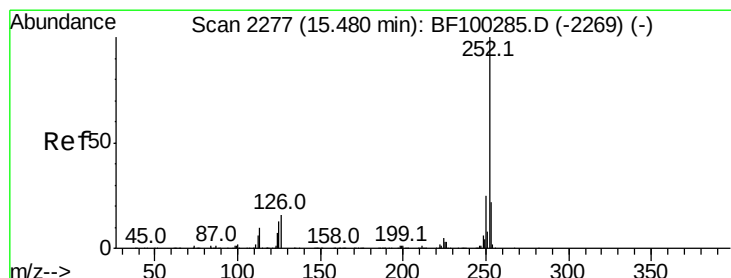
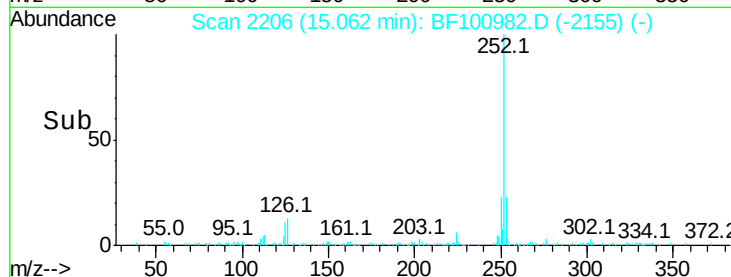
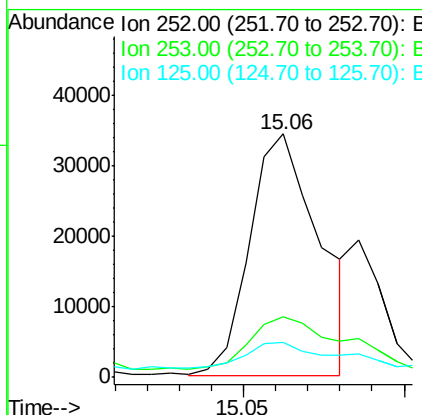
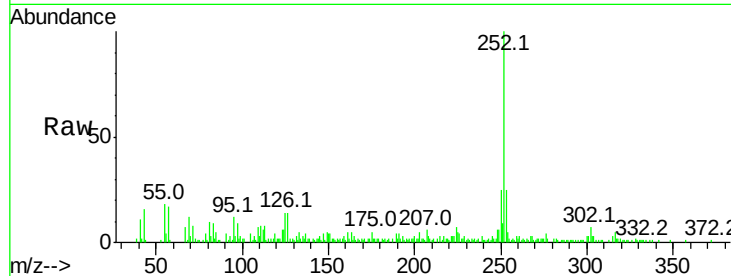
#87
Benzo(b)fluoranthene
Concen: 5.659 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Instrument :
BNA_F
ClientSampleId :
HR-06-112817-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	14.4	9.0	13.6

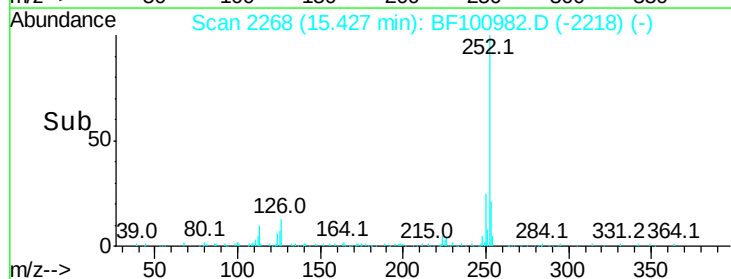
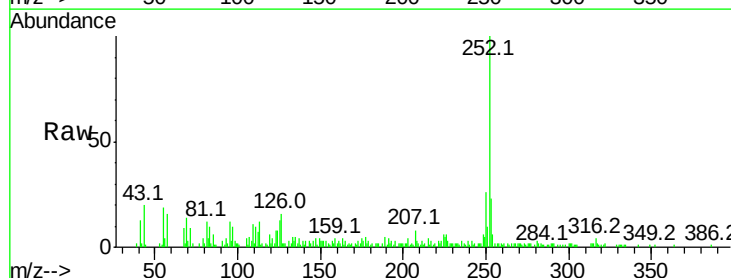
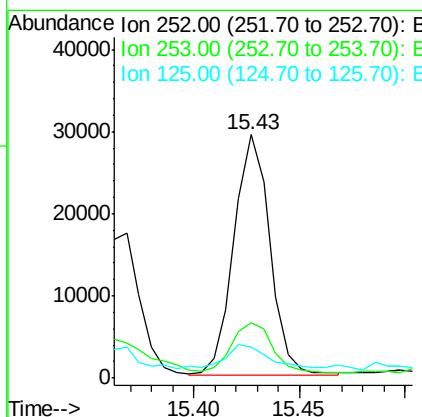
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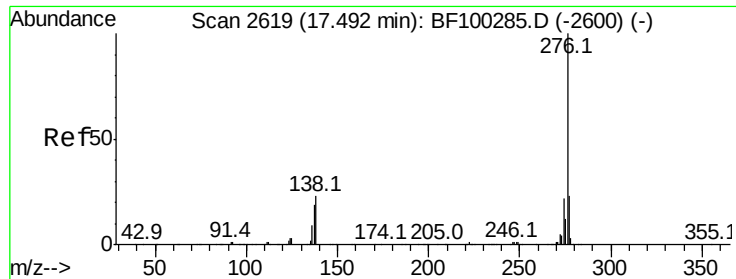
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#89
Benzo(a)pyrene
Concen: 4.270 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	12.9	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.665 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-112817-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.8	17.9	26.9#
138	27.7	21.8	32.8

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