

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
 Data File : BF100767.D
 Acq On : 21 Nov 2017 8:47
 Operator : SJ/JU
 Sample : I6466-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHAP-5-E(4-5)

Manual Integrations
 APPROVED

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 11/21/2017 2:17:30 PM

Quant Time: Nov 21 12:05:23 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	79300	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	306019	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	127777	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	206725	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	176918	20.00	ng	-0.01
86) Perylene-d12	15.50	264	138229	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	496735	100.41	ng	0.00
7) Phenol-d6	6.50	99	599270	98.24	ng	-0.01
23) Nitrobenzene-d5	7.43	82	357729	77.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	109763	84.30	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	714413	85.14	ng	-0.01
78) Terphenyl-d14	12.98	244	516381	67.06	ng	0.00
Target Compounds						
10) Phenol	6.51	94	28725	4.485	ng	93
70) Phenanthrene	11.42	178	24577	2.258	ng	96
74) Fluoranthene	12.60	202	53093	4.603	ng	97
77) Pyrene	12.83	202	54031	4.284	ng	98
80) Benzo(a)anthracene	14.02	228	29454	2.765	ng	97
82) Chrysene	14.06	228	26566	2.575	ng	96
87) Benzo(b)fluoranthene	15.07	252	30288m	3.698	ng	
89) Benzo(a)pyrene	15.44	252	20599	2.837	ng	100

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

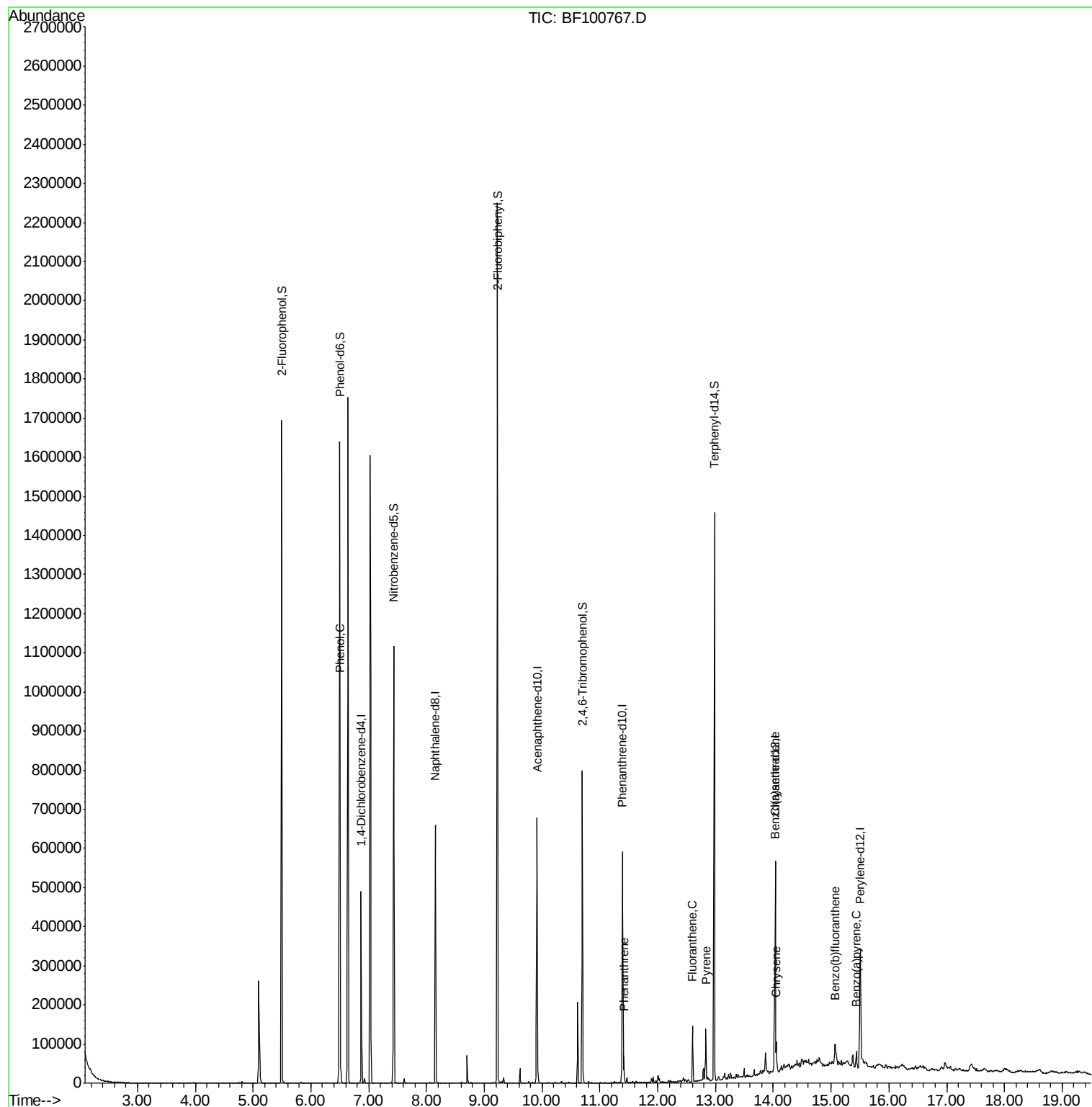
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
Data File : BF100767.D
Acq On : 21 Nov 2017 8:47
Operator : SJ/JU
Sample : I6466-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

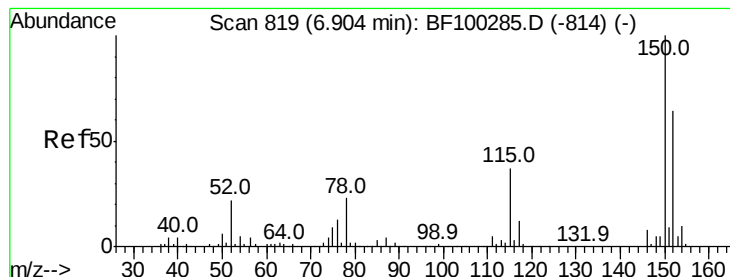
Instrument :
BNA_F
ClientSampleId :
CHAP-5-E(4-5)

Manual Integrations
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Quant Time: Nov 21 12:05:23 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
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#1

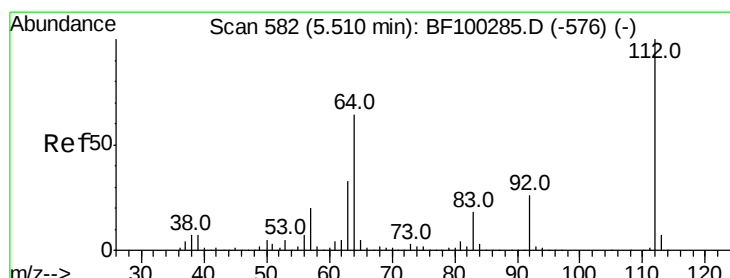
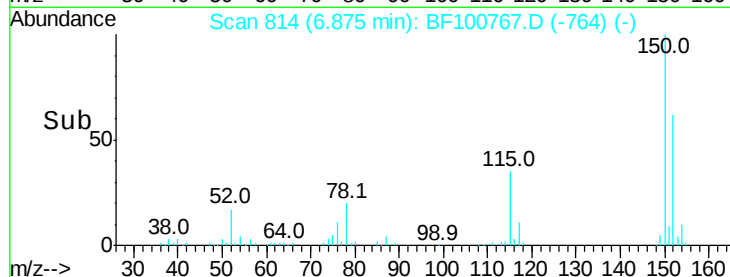
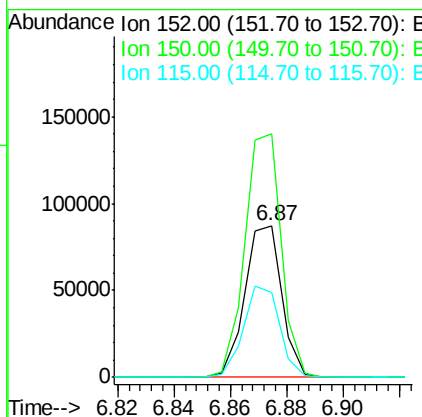
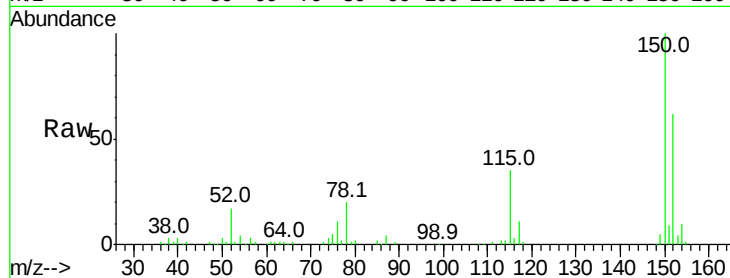
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Instrument :
BNA_F
ClientSampleId :
CHAP-5-E(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	55.8	50.1	75.1

Manual Integrations
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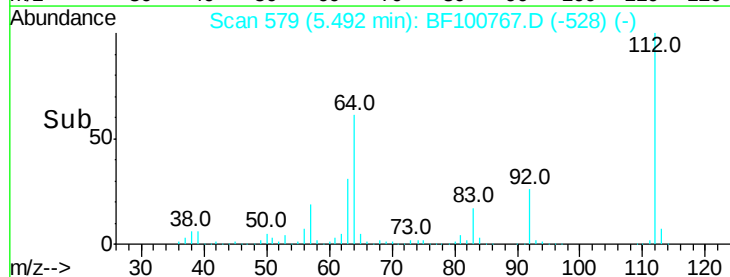
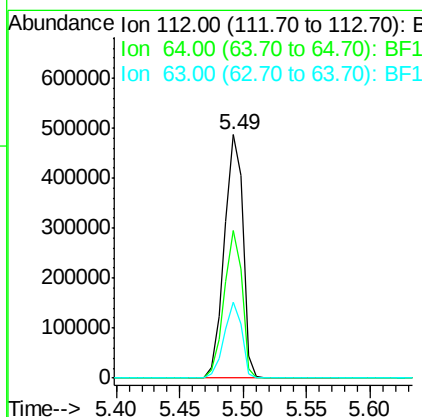
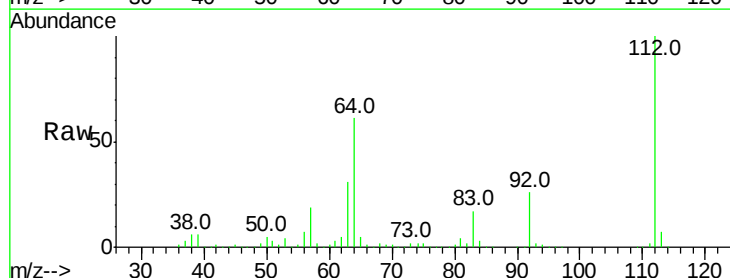
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#5

2-Fluorophenol
Concen: 100.411 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.9	71.9
63	31.0	23.7	35.5





#7

Phenol-d6

Concen: 98.236 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

Instrument :

BNA_F

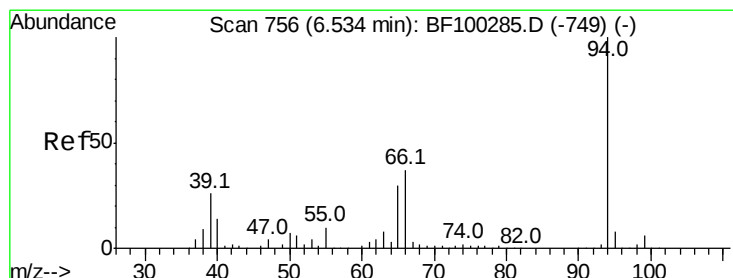
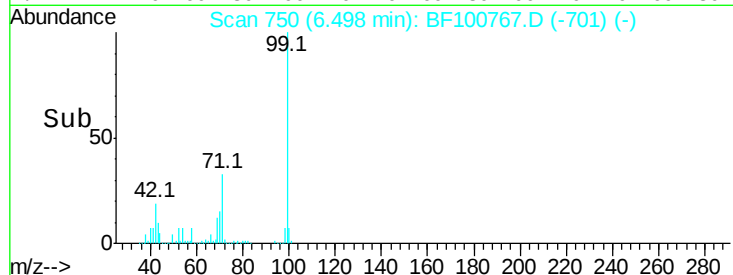
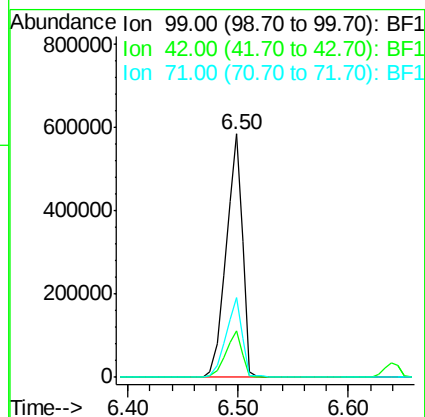
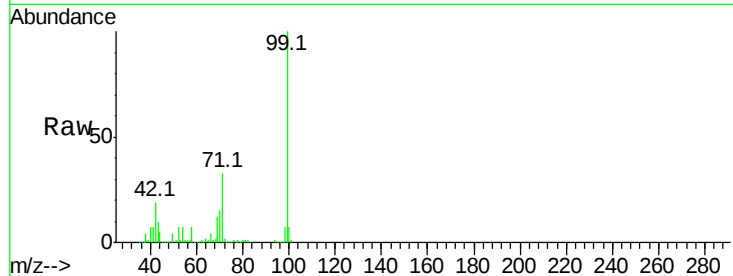
ClientSampleId :

CHAP-5-E(4-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		599270		
42	19.3	14.5	21.7		
71	32.8	25.4	38.0		

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#10

Phenol

Concen: 4.485 ng

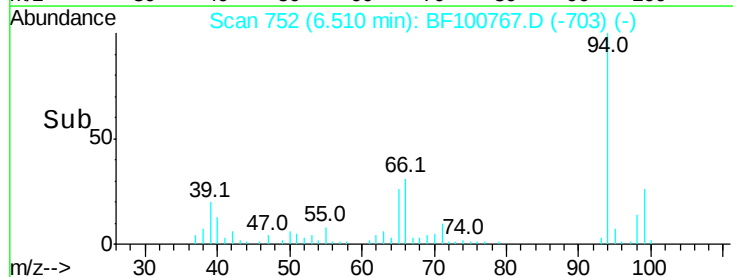
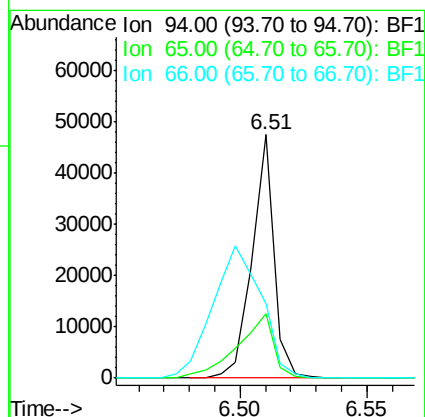
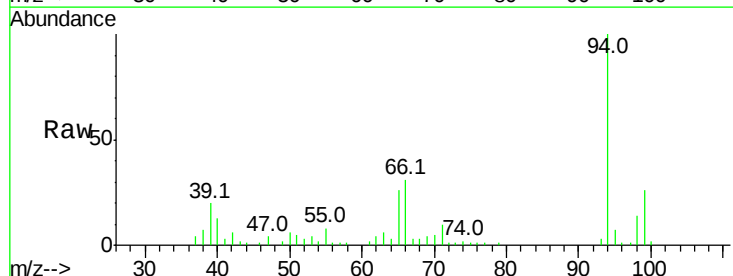
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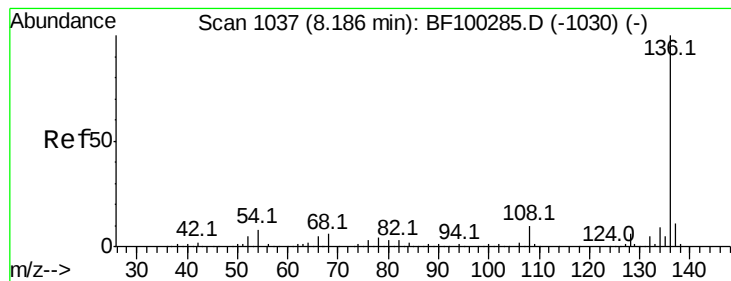
Delta R.T. -0.01 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		28725		
65	26.3	7.9	47.9		
66	30.7	16.2	56.2		





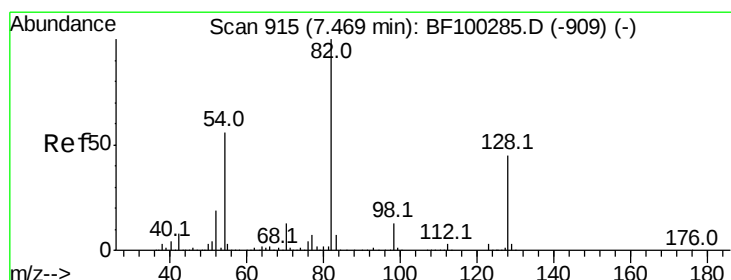
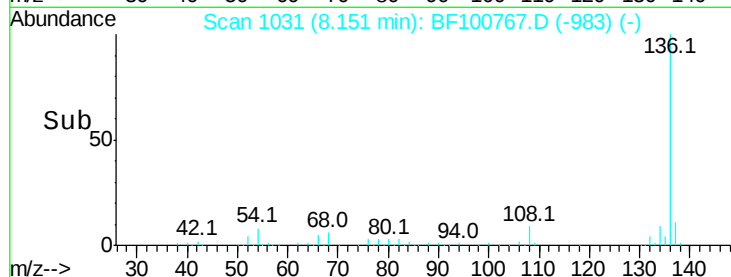
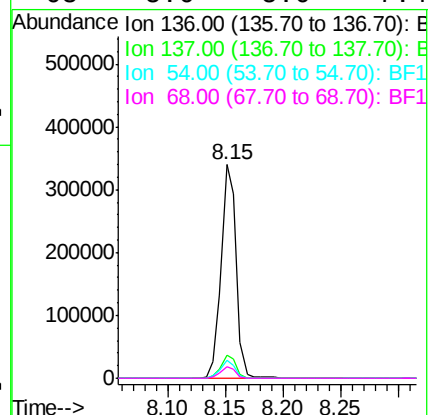
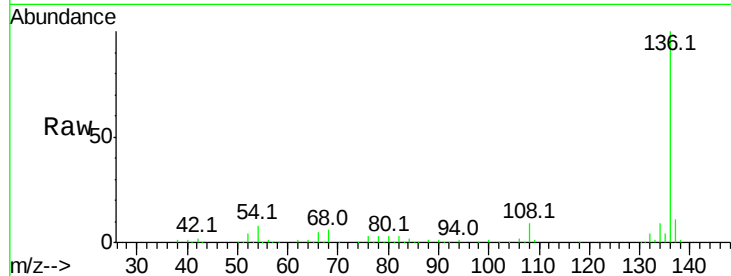
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Instrument :
BNA_F
ClientSampleId :
CHAP-5-E(4-5)

Tot Ion	136	Resp	306019
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.3	6.6	9.8
68	5.6	5.0	7.4

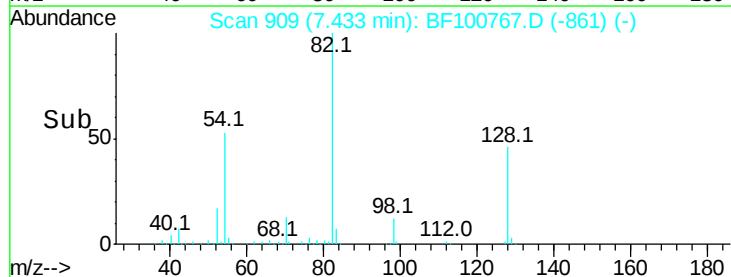
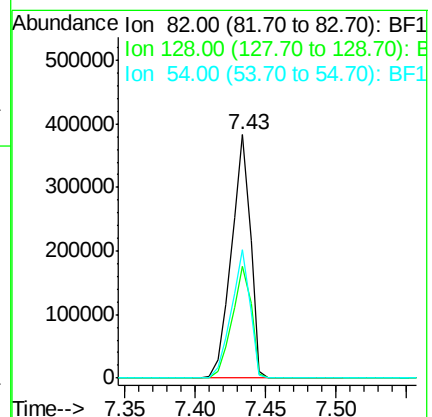
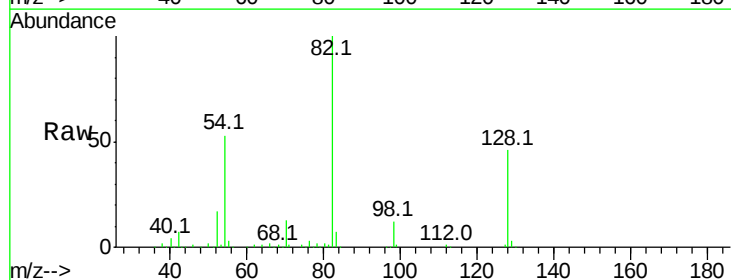
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#23
Nitrobenzene-d5
Concen: 77.285 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Tgt Ion	82	Resp	357729
Ion Ratio	Lower	Upper	
82	100		
128	45.7	36.1	54.1
54	52.6	41.4	62.2





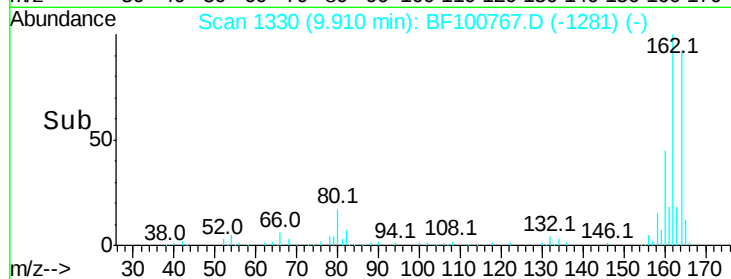
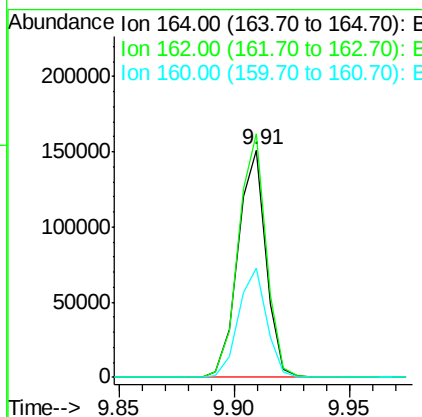
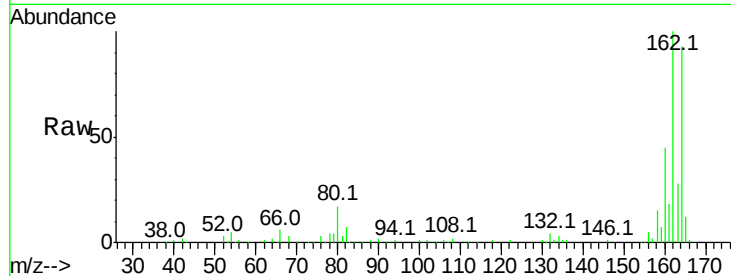
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Instrument :
BNA_F
ClientSampleId :
CHAP-5-E(4-5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	107.0	86.1	129.1
160	47.7	38.3	57.5

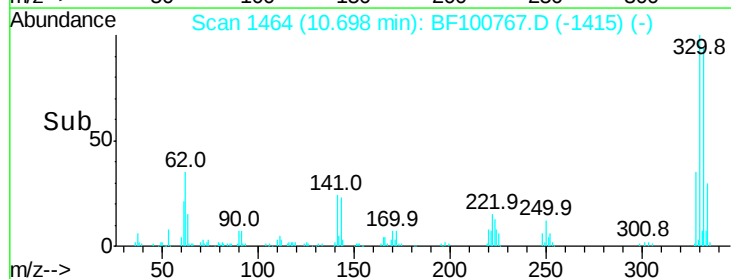
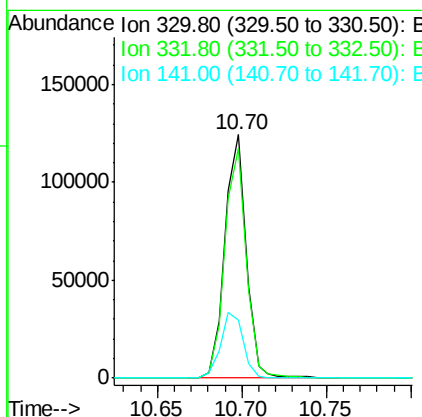
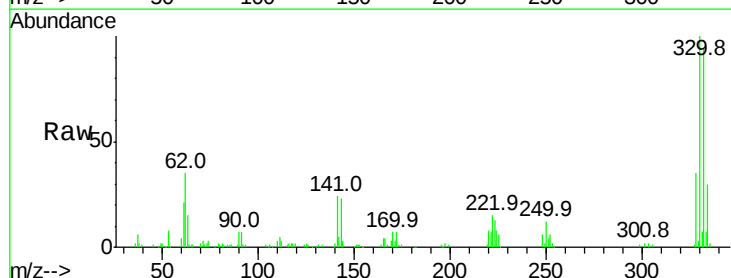
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#41
2,4,6-Tribromophenol
Concen: 84.300 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	28.7	29.9	44.9#





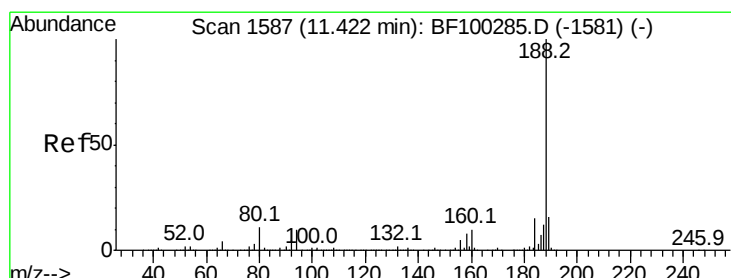
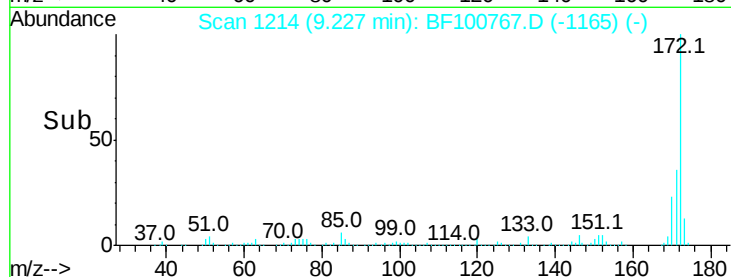
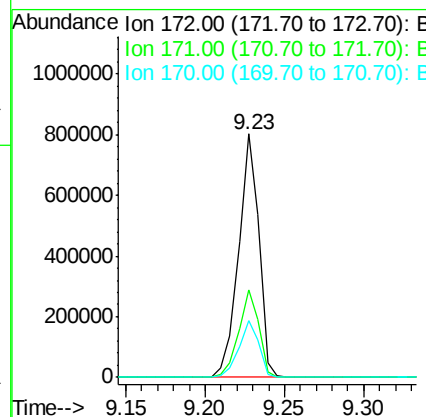
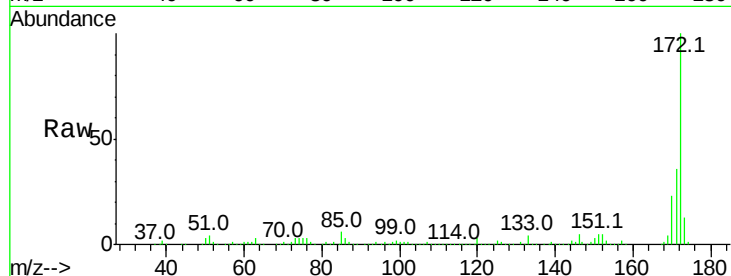
#44
 2-Fluorobiphenyl
 Concen: 85.136 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

Instrument :
 BNA_F
 ClientSampled :
 CHAP-5-E(4-5)

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.4	19.6	29.4

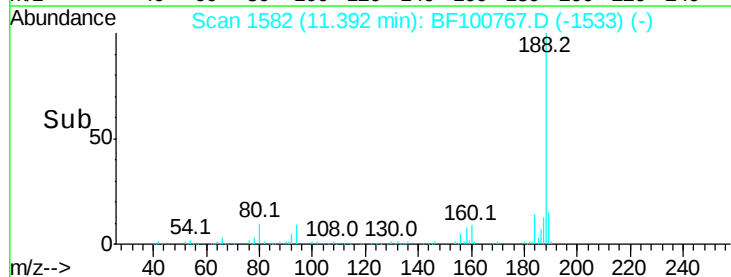
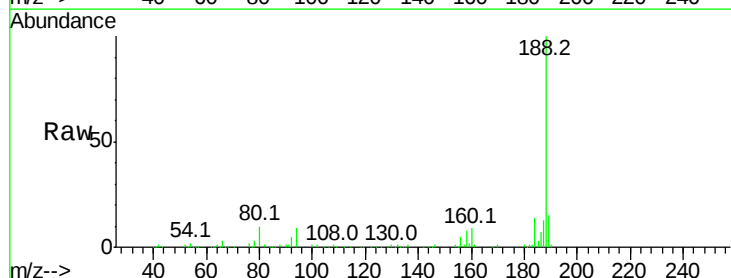
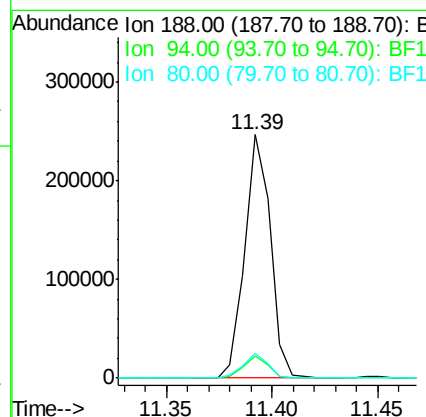
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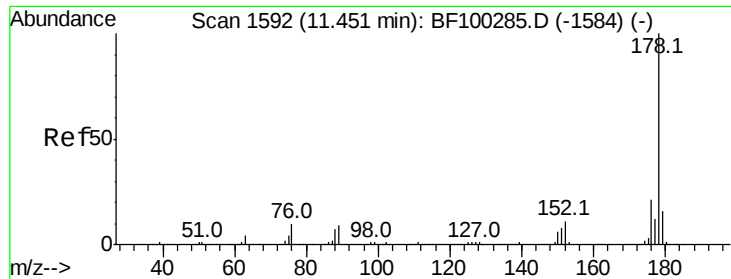
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.0	9.2	13.8





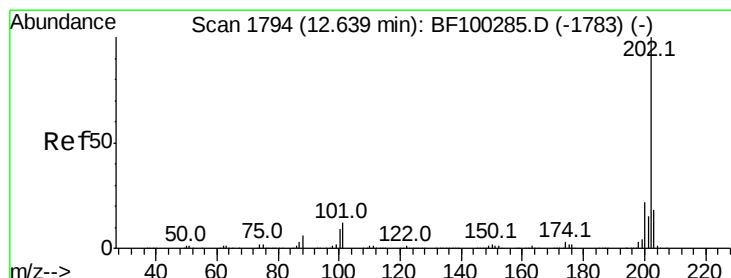
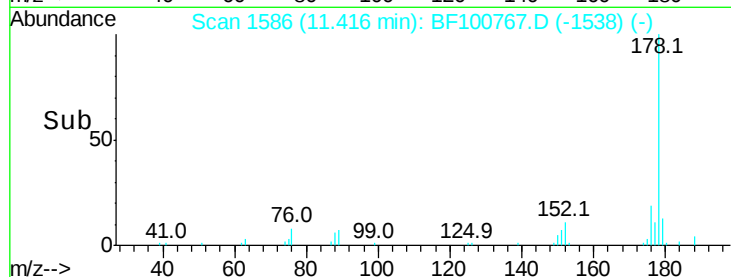
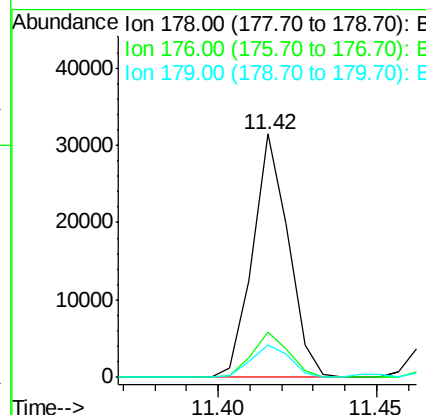
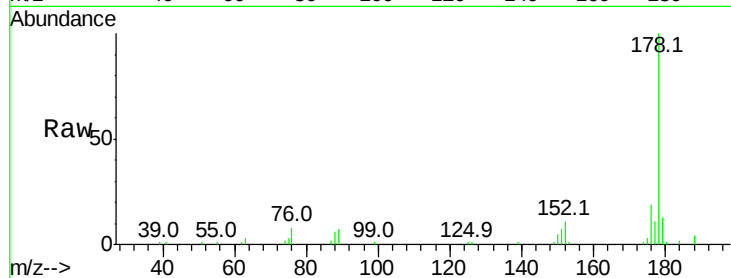
#70
Phenanthrene
Concen: 2.258 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Instrument :
BNA_F
ClientSampleId :
CHAP-5-E(4-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	13.4	13.0	19.6

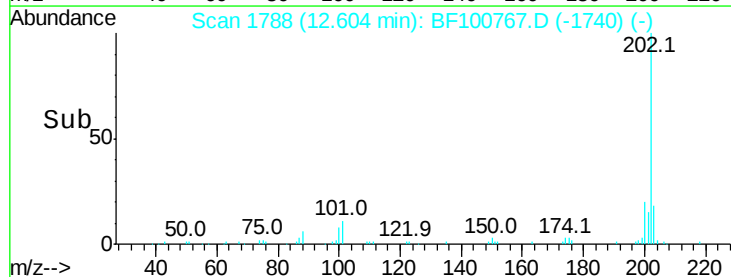
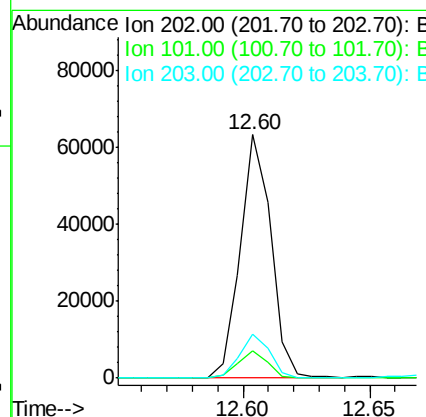
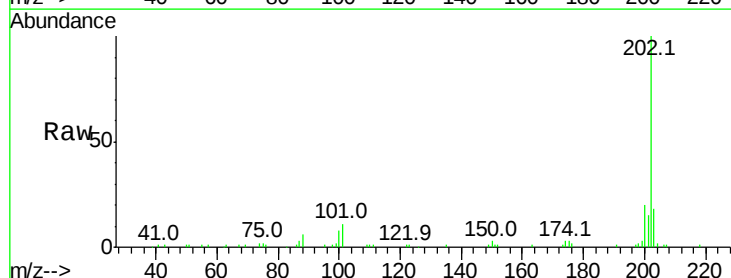
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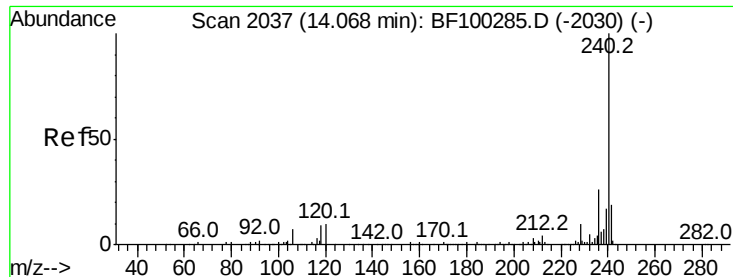
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#74
Fluoranthene
Concen: 4.603 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

Instrument :

BNA_F

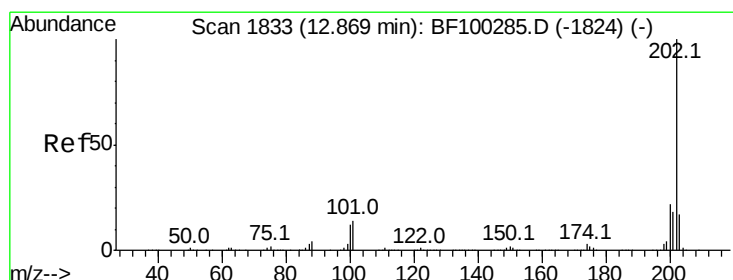
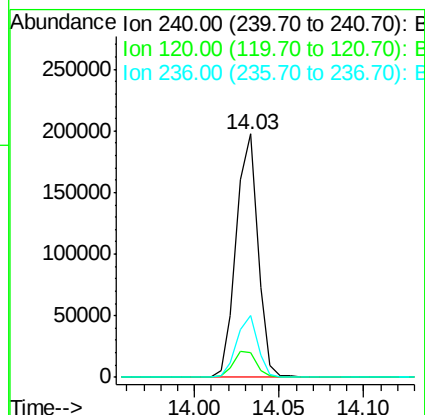
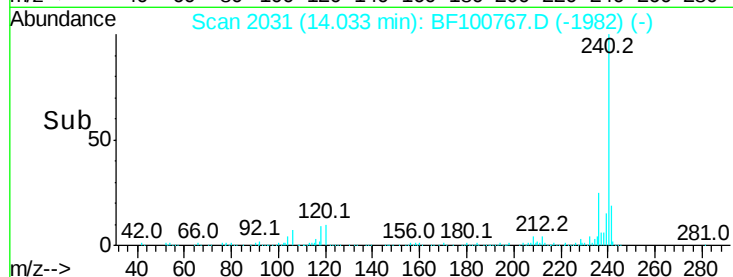
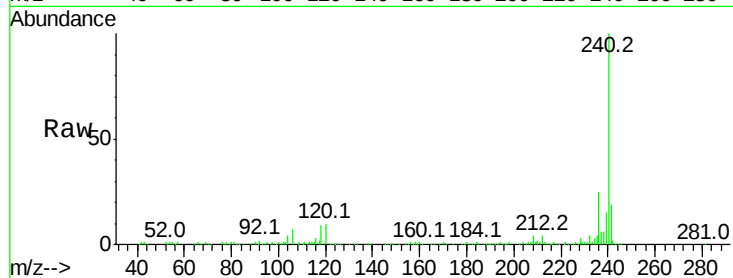
ClientSampleId :

CHAP-5-E(4-5)

Tot Ion:	240	Resp:	176918
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.5	14.3
236	25.4	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 4.284 ng

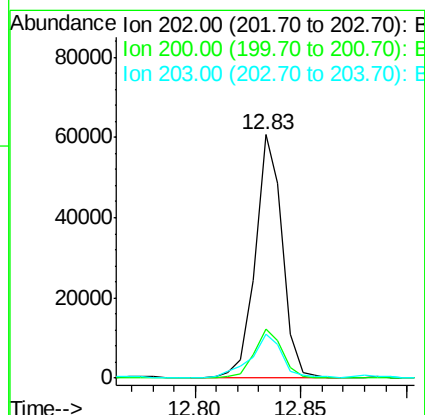
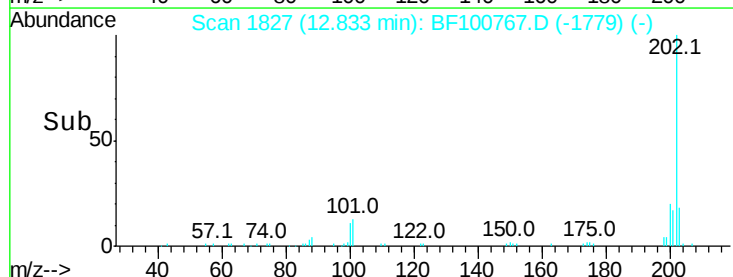
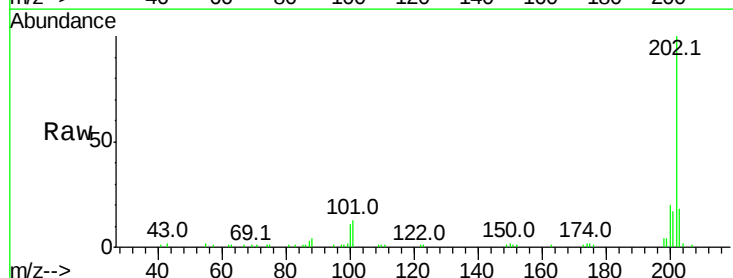
RT: 12.83 min Scan# 1827

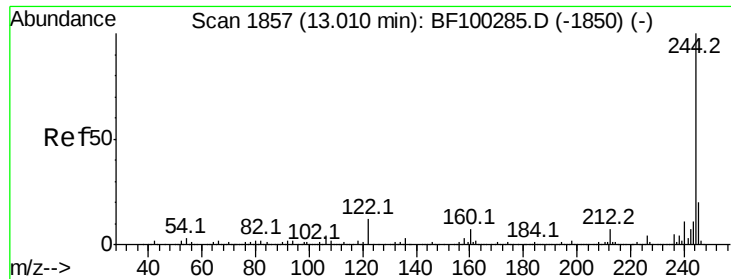
Delta R.T. -0.02 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

Tgt Ion:	202	Resp:	54031
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.4	26.2
203	18.0	14.3	21.5





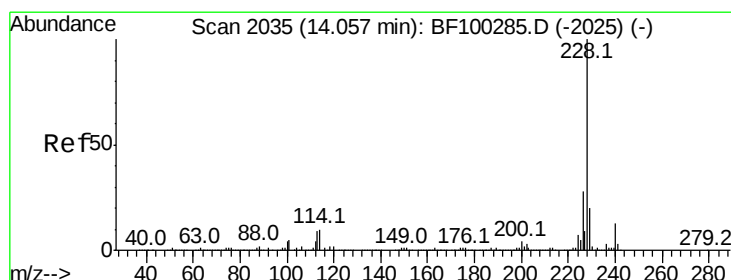
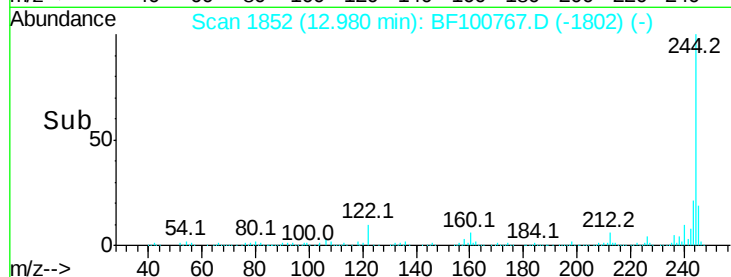
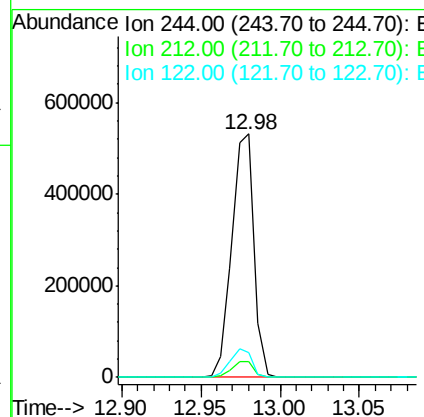
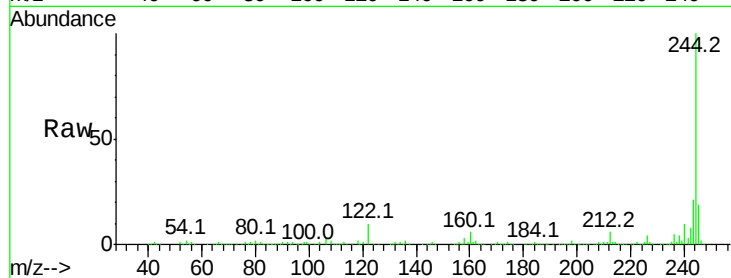
#78
 Terphenyl-d14
 Concen: 67.065 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

Instrument :
 BNA_F
 ClientSampleId :
 CHAP-5-E(4-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.0	11.0	16.4

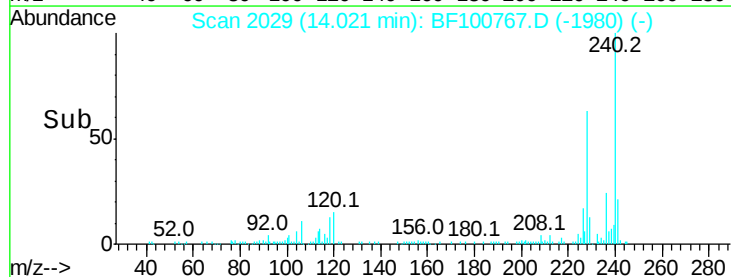
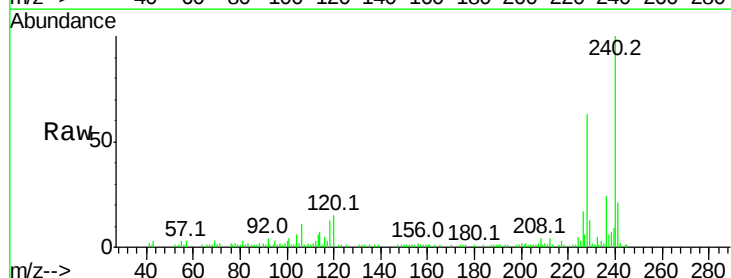
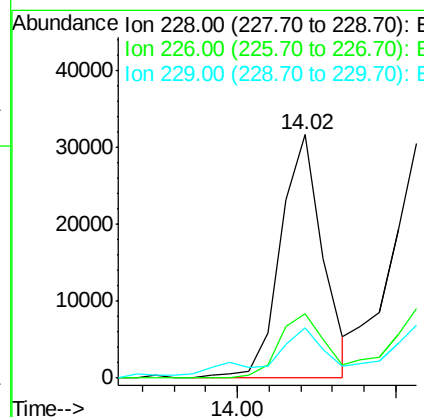
Manual Integrations
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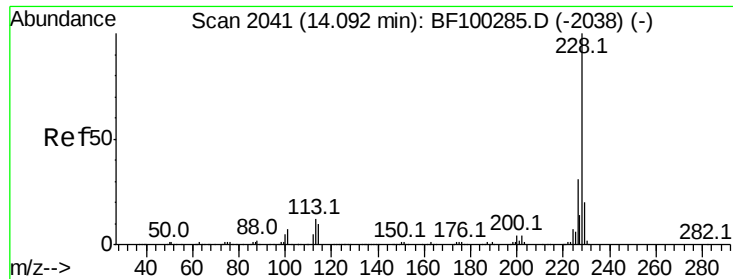
SOHIL
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#80
 Benzo(a)anthracene
 Concen: 2.765 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.6	33.8
229	20.4	15.8	23.6





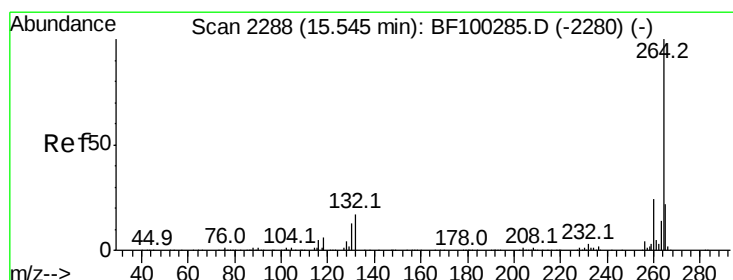
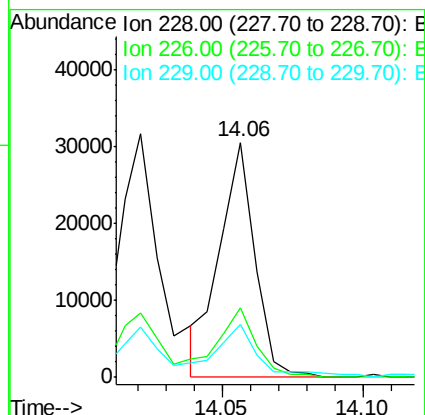
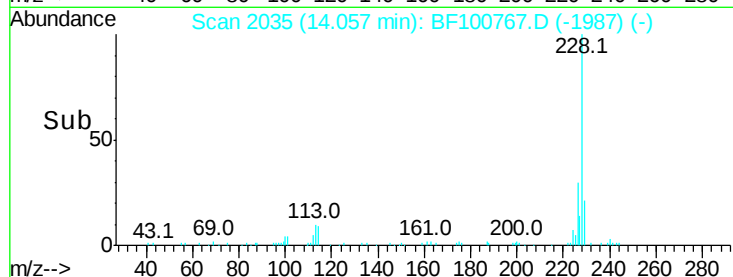
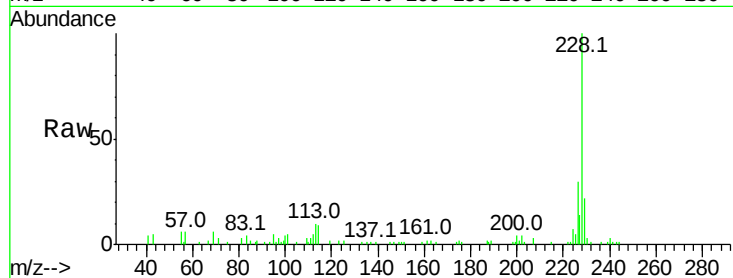
#82
 Chrysene
 Concen: 2.575 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.02 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

Instrument :
 BNA_F
 ClientSampleId :
 CHAP-5-E(4-5)

Tot Ion:	228	Resp:	26566
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.0	37.6
229	22.4	16.2	24.4

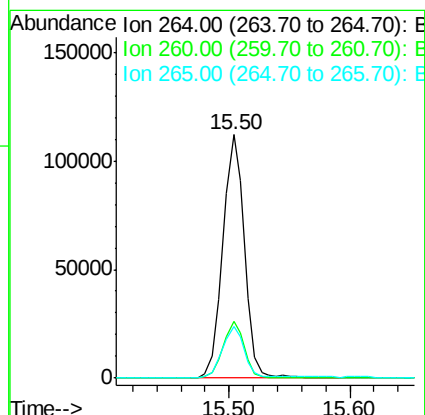
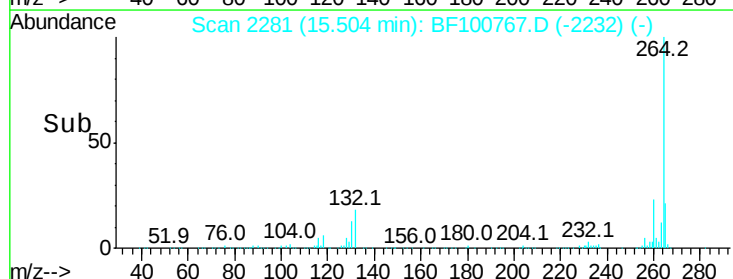
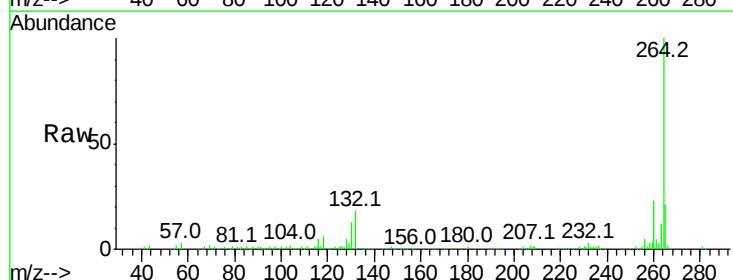
Manual Integrations
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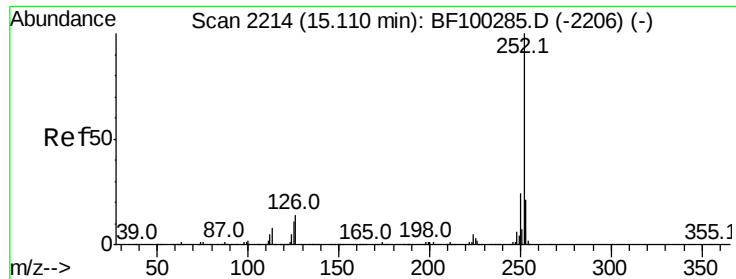
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.01 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

Tgt Ion:	264	Resp:	138229
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.2	28.8
265	21.1	17.5	26.3





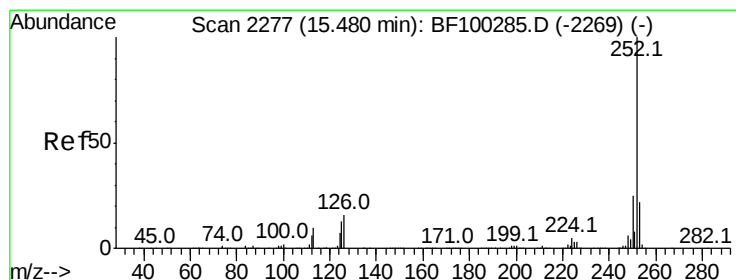
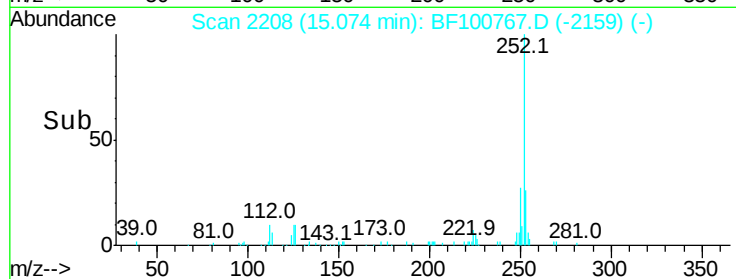
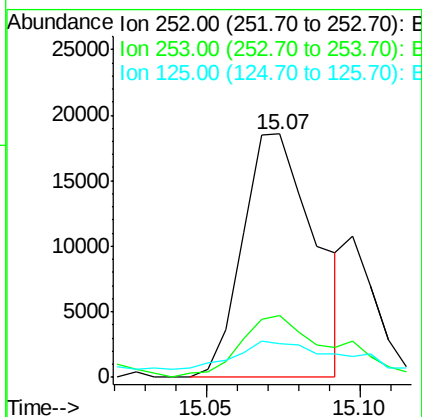
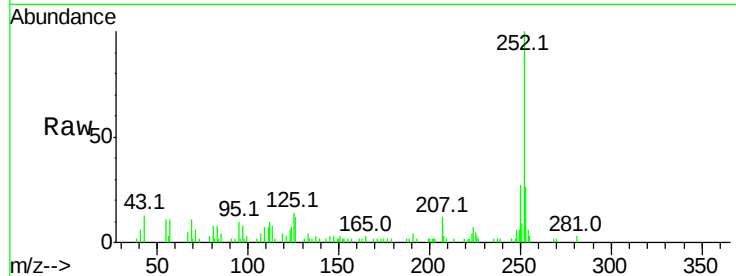
#87
Benzo(b)fluoranthene
Concen: 3.698 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Instrument :
BNA_F
ClientSampleId :
CHAP-5-E(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.0	25.6#
125	13.9	9.0	13.6#

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 2.837 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	12.7	9.8	14.6

