

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
 Data File : BF078702.D
 Acq On : 22 Apr 2015 00:44
 Operator : TP/IZ
 Sample : G1957-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILL-01

Manual Integrations
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Quant Time: Apr 22 04:03:51 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 00:52:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	26275	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	111201	20.00	ng	-0.01
38) Acenaphthene-d10	11.16	164	55837	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	108049	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	120693	20.00	ng	-0.01
86) Perylene-d12	19.45	264	119957	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.84	112	35889	22.52	ng	0.01
7) Phenol-d6	5.32	99	48528	24.30	ng	0.00
23) Nitrobenzene-d5	6.75	82	28325	15.44	ng	-0.01
41) 2,4,6-Tribromophenol	12.64	330	11233	24.26	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	67732	17.34	ng	-0.01
78) Terphenyl-d14	16.43	244	80381	15.05	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	13.94	178	32161	5.15	ng	99
74) Fluoranthene	15.83	202	42863	6.50	ng	99
77) Pyrene	16.15	202	39962	5.27	ng	# 93
80) Benzo(a)anthracene	17.76	228	24166	3.37	ng	97
82) Chrysene	17.79	228	16886	2.50	ng	98
87) Benzo(b)fluoranthene	19.04	252	23104m	3.12	ng	
89) Benzo(a)pyrene	19.38	252	16834	2.60	ng	# 79

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

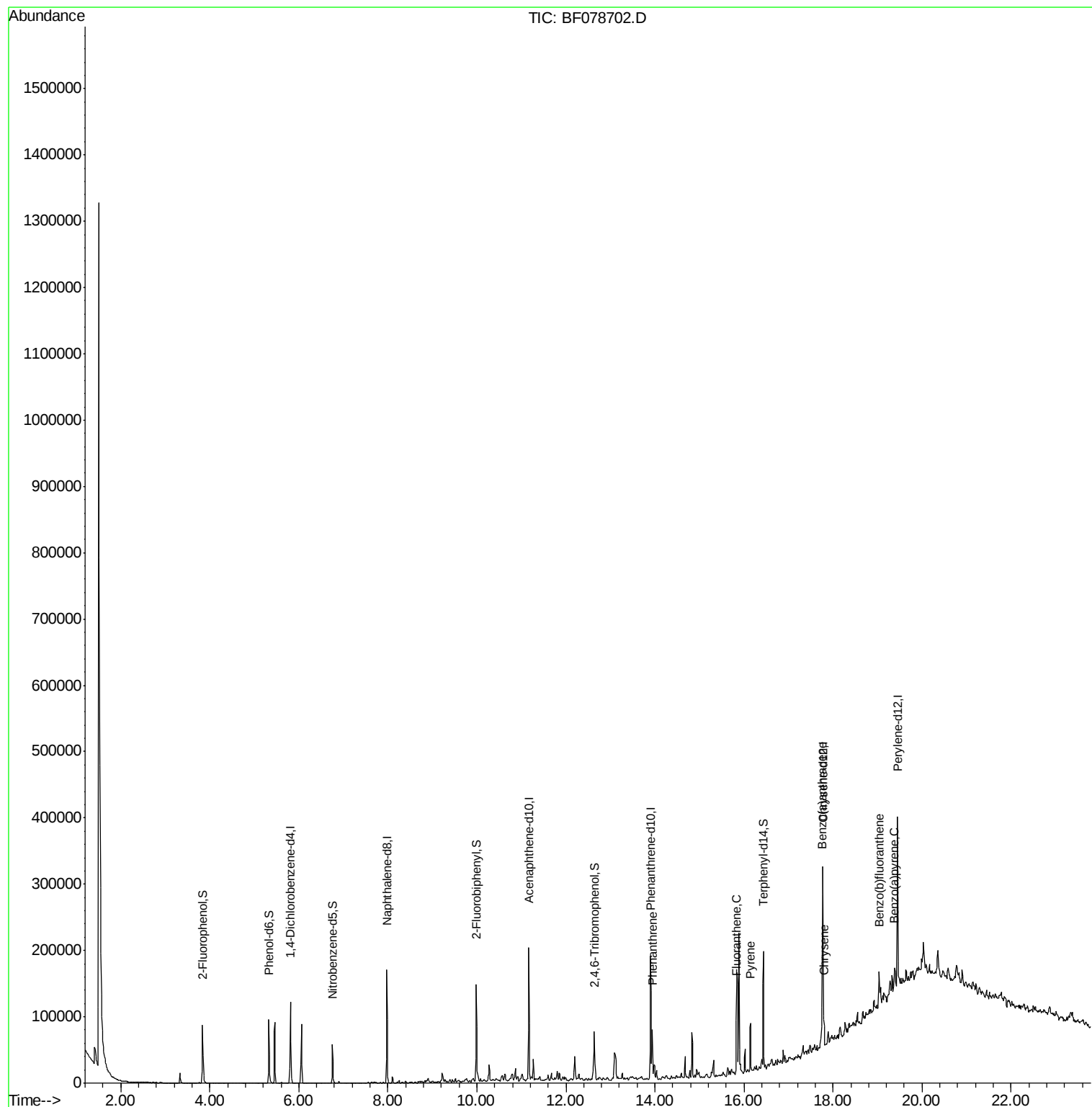
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078702.D
Acq On : 22 Apr 2015 00:44
Operator : TP/IZ
Sample : G1957-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

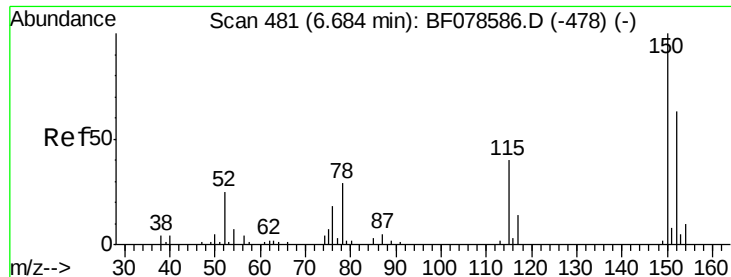
Instrument :
BNA_F
ClientSampleId :
FILL-01

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Quant Time: Apr 22 04:03:51 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

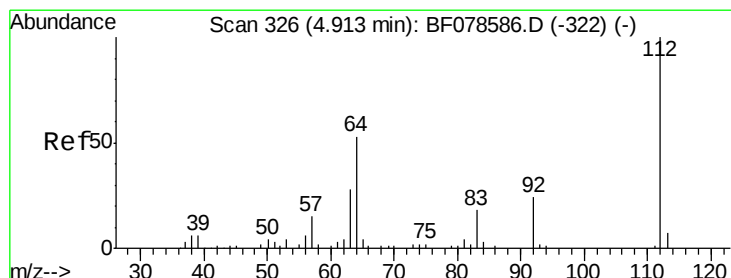
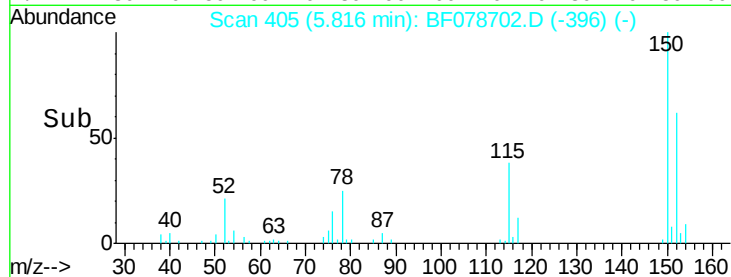
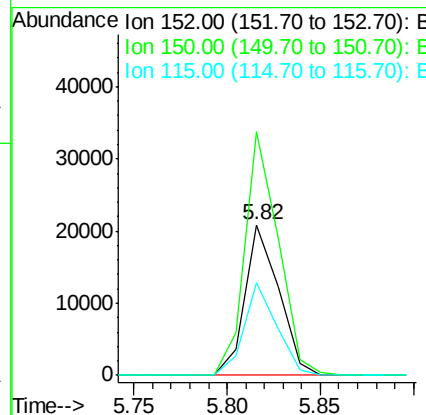
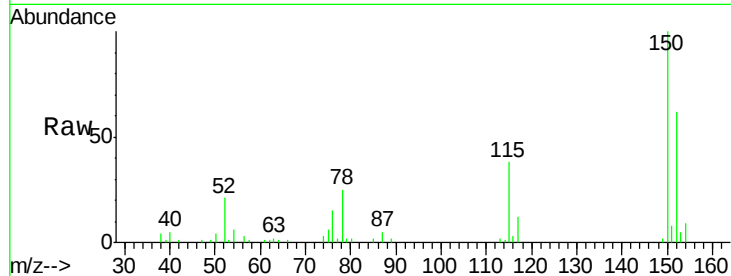
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 405
Delta R.T. -0.00 min
Lab File: BF078702.D
Acq: 22 Apr 2015 00:44

Instrument :
BNA_F
ClientSampleId :
FILL-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	125.9	188.9
115	61.5	52.7	79.1

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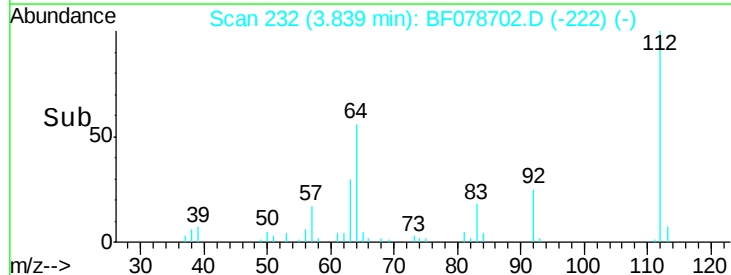
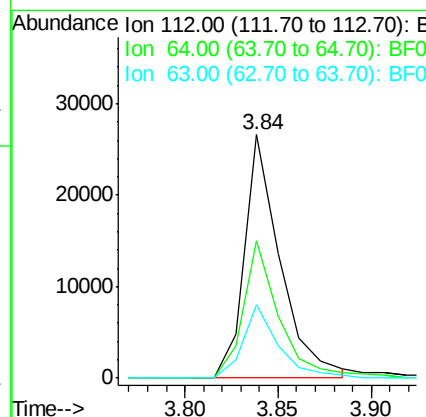
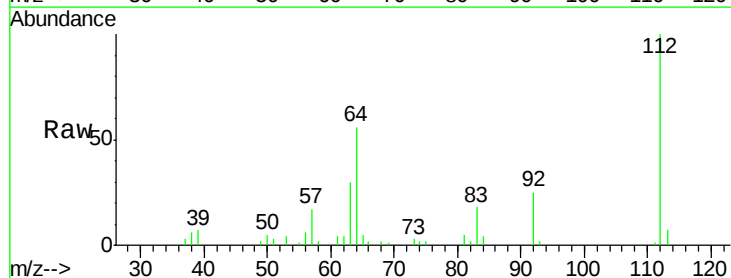
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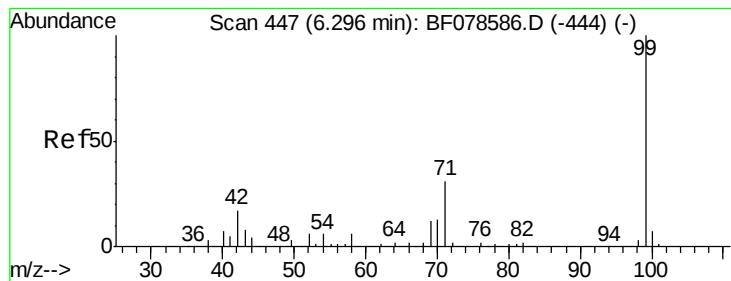


#5

2-Fluorophenol
Concen: 22.52 ng
RT: 3.84 min Scan# 232
Delta R.T. 0.01 min
Lab File: BF078702.D
Acq: 22 Apr 2015 00:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	39.9	59.9
63	30.4	20.2	30.4#





#7

Phenol-d6

Concen: 24.30 ng

RT: 5.32 min Scan# 362

Delta R.T. -0.00 min

Lab File: BF078702.D

Acq: 22 Apr 2015 00:44

Instrument :

BNA_F

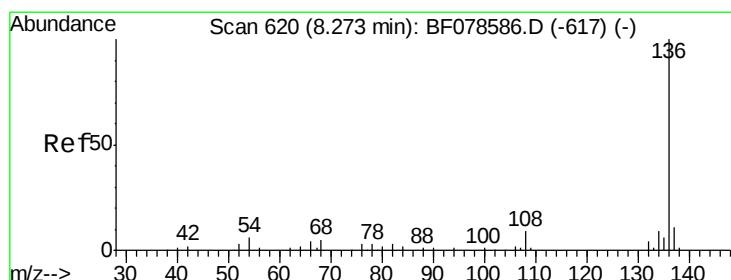
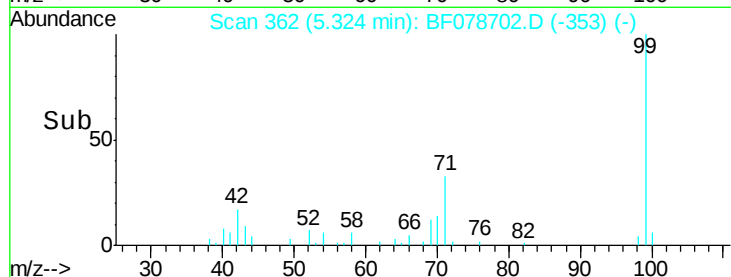
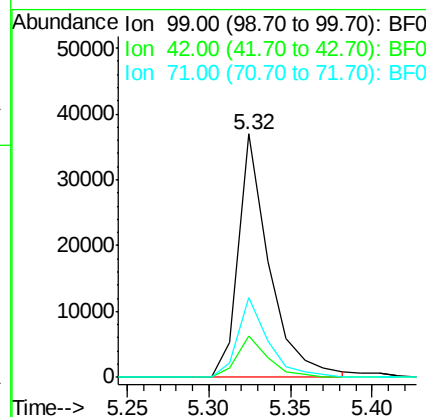
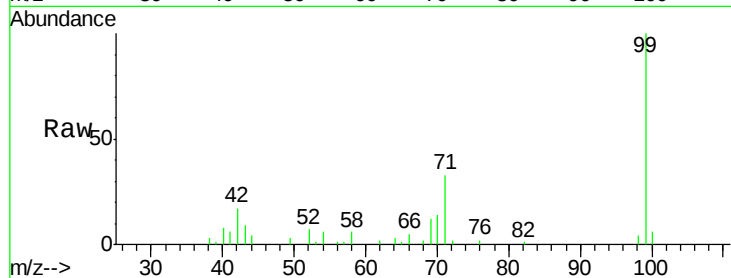
ClientSampleId :

FILL-01

Tot Ion:	99	Resp:	48528
Ion Ratio	Lower	Upper	
99	100		
42	17.2	14.8	22.2
71	32.8	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

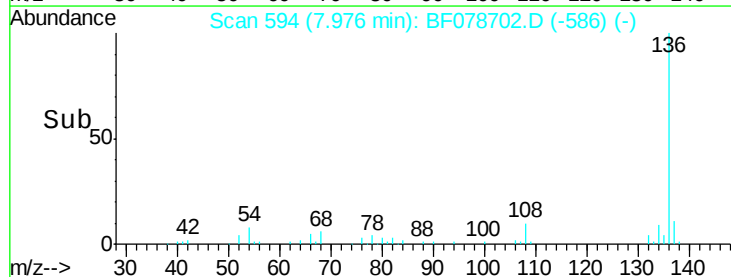
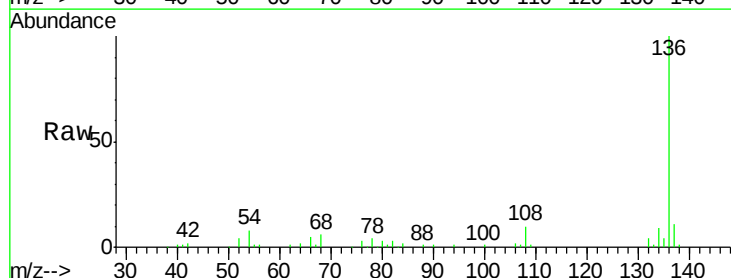
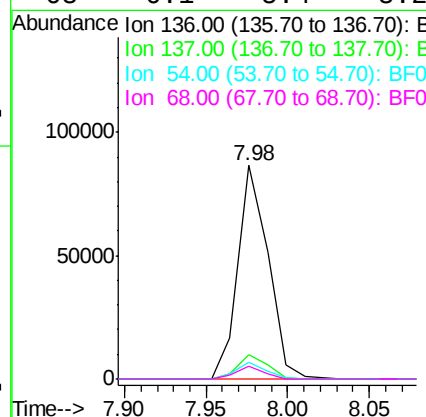
RT: 7.98 min Scan# 594

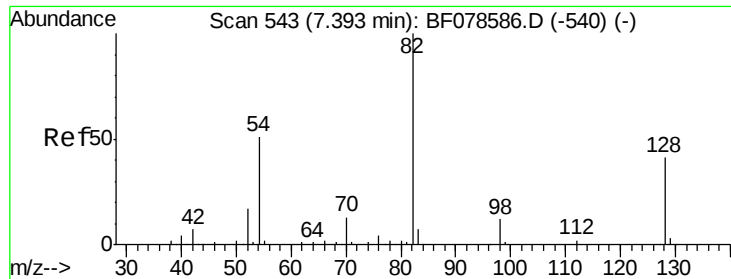
Delta R.T. -0.01 min

Lab File: BF078702.D

Acq: 22 Apr 2015 00:44

Tgt Ion:	136	Resp:	111201
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	8.0	7.0	10.6
68	6.1	5.4	8.2





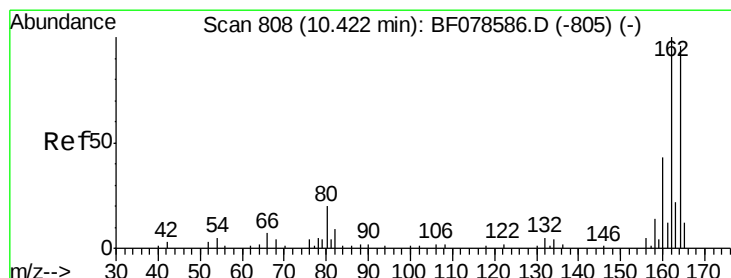
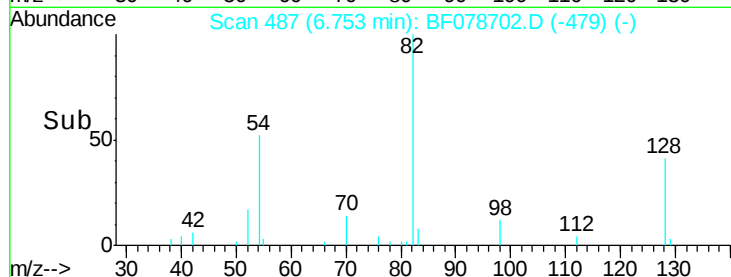
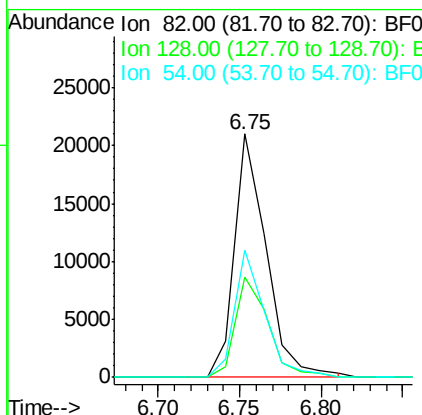
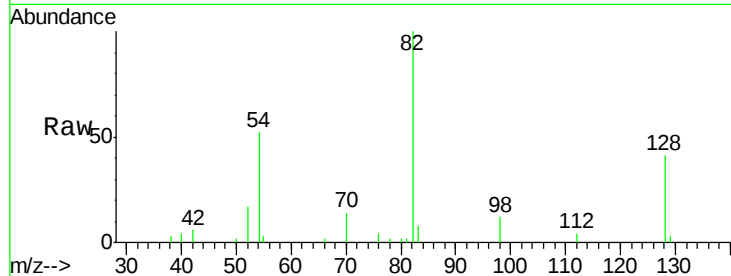
#23
 Nitrobenzene-d5
 Concen: 15.44 ng
 RT: 6.75 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: BF078702.D
 Acq: 22 Apr 2015 00:44

Instrument :
 BNA_F
 ClientSampled :
 FILL-01

Tot Ion	Ratio	Resp	Lower	Upper
82	100	28325		
128	41.4		31.8	47.8
54	52.4		41.5	62.3

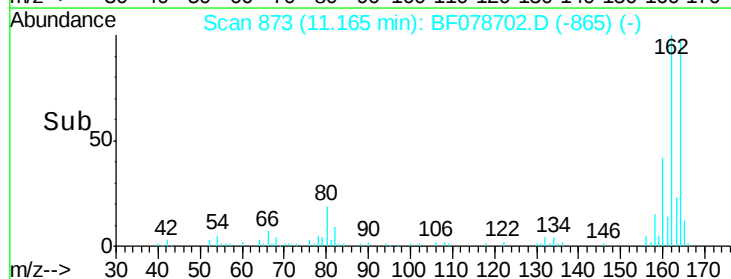
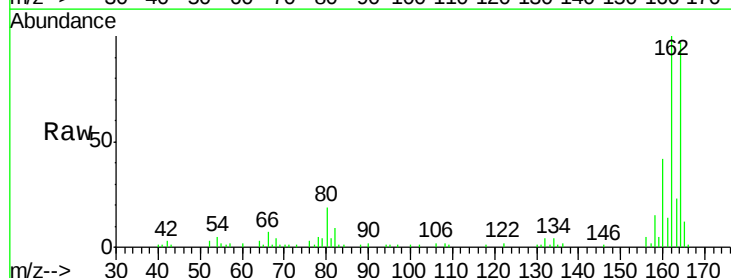
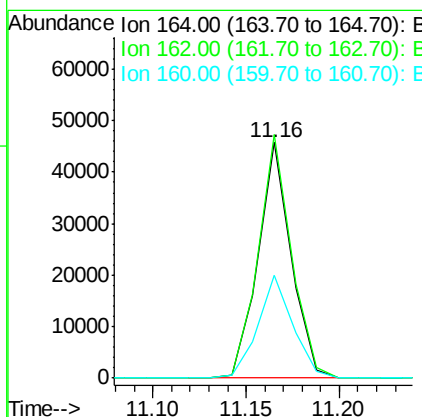
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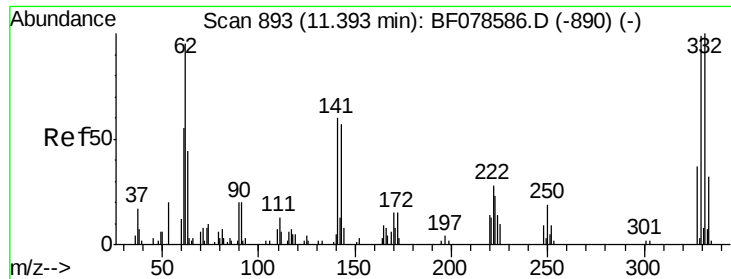
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF078702.D
 Acq: 22 Apr 2015 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55837		
162	103.3		82.2	123.2
160	43.8		34.7	52.1





#41

2,4,6-Tribromophenol

Concen: 24.26 ng

RT: 12.64 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF078702.D

Acq: 22 Apr 2015 00:44

Instrument :

BNA_F

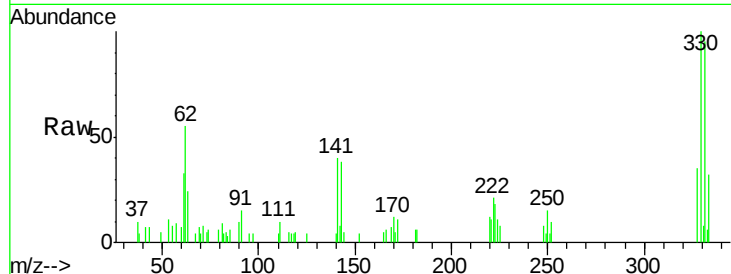
ClientSampleId :

FILL-01

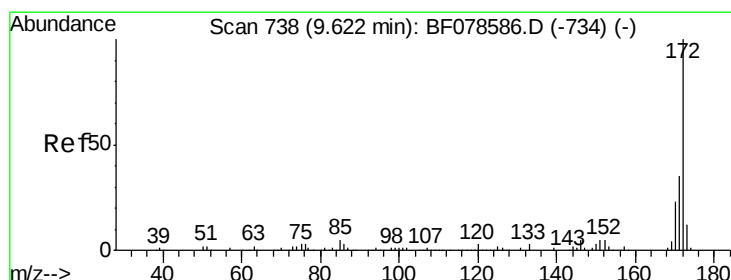
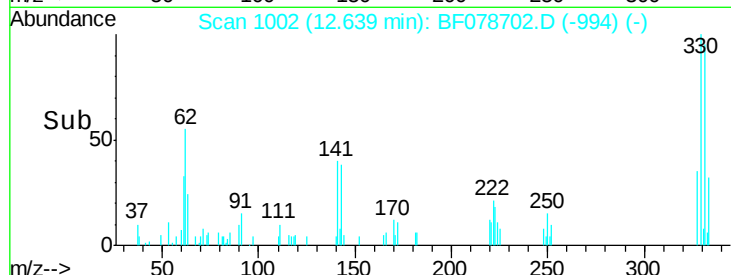
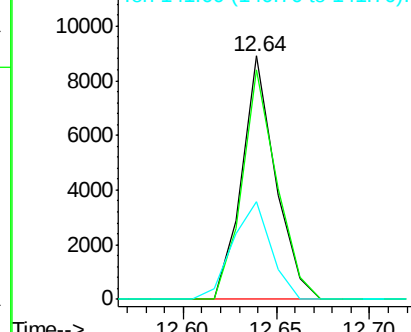
Tot Ion:	330	Resp:	11233
Ion Ratio	Lower	Upper	
330	100		
332	96.7	78.6	117.8
141	45.7	31.2	46.8

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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: 17.34 ng

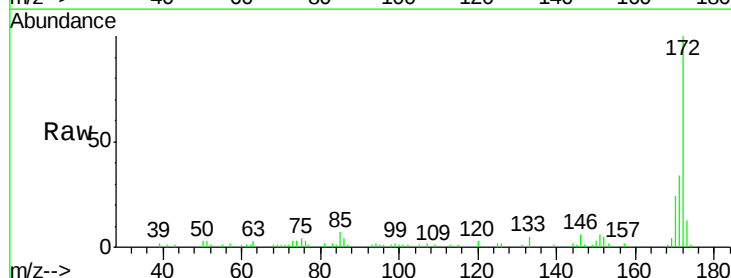
RT: 9.99 min Scan# 770

Delta R.T. -0.01 min

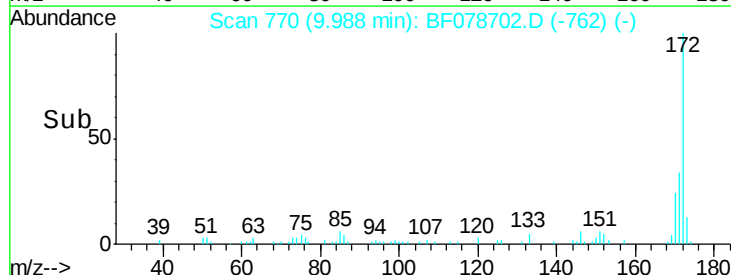
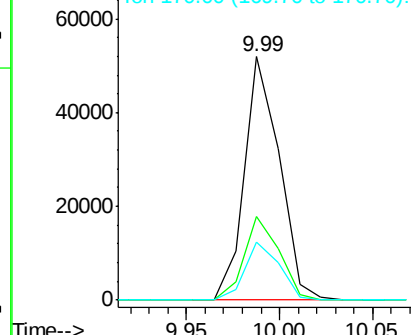
Lab File: BF078702.D

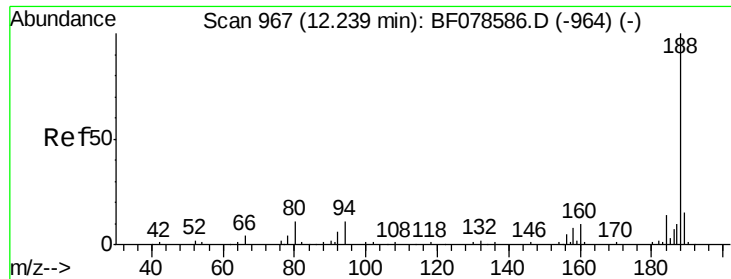
Acq: 22 Apr 2015 00:44

Tgt Ion:	172	Resp:	67732
Ion Ratio	Lower	Upper	
172	100		
171	34.4	28.6	42.8
170	23.9	18.5	27.7



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





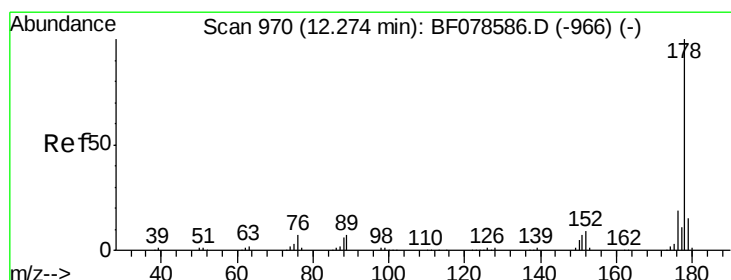
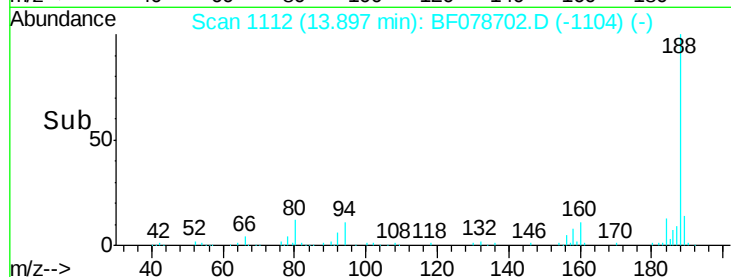
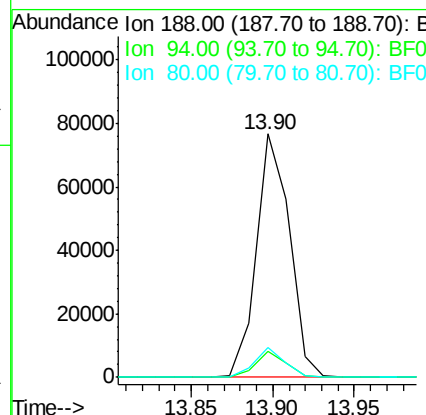
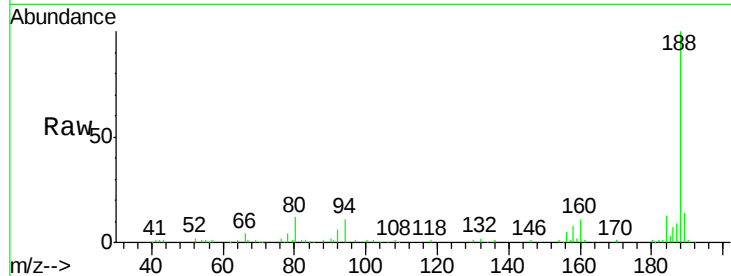
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF078702.D
 Acq: 22 Apr 2015 00:44

Instrument :
 BNA_F
 ClientSampled :
 FILL-01

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.6	9.0	13.4
80	12.1	9.5	14.3

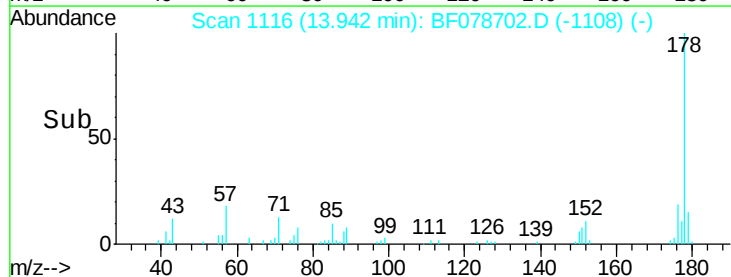
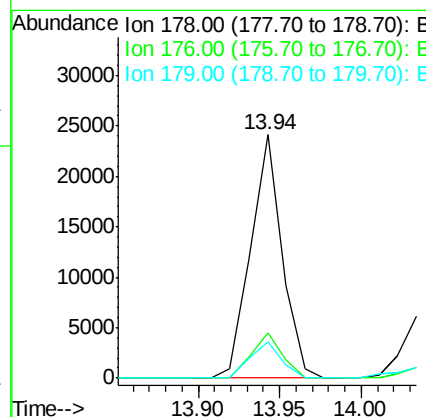
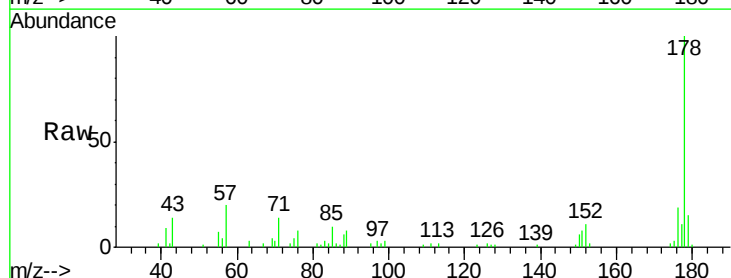
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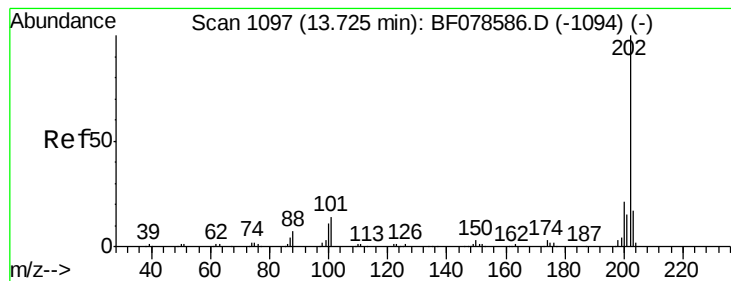
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#70
 Phenanthrene
 Concen: 5.15 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BF078702.D
 Acq: 22 Apr 2015 00:44

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	15.4	23.0
179	14.8	12.2	18.2





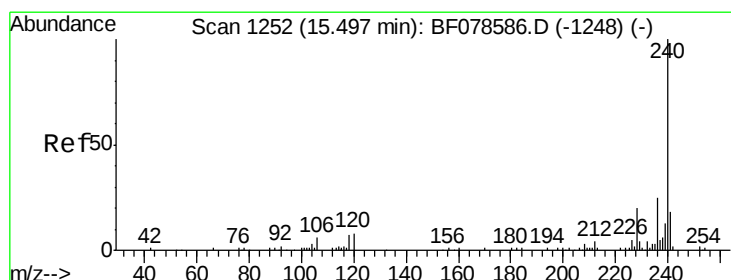
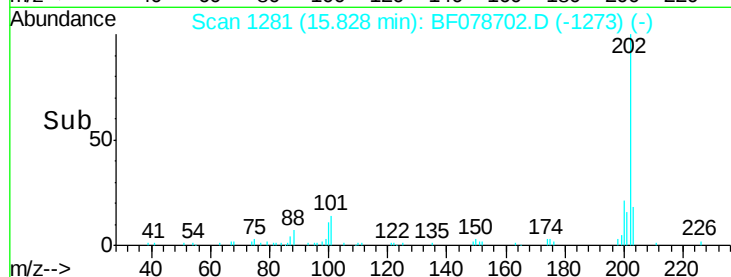
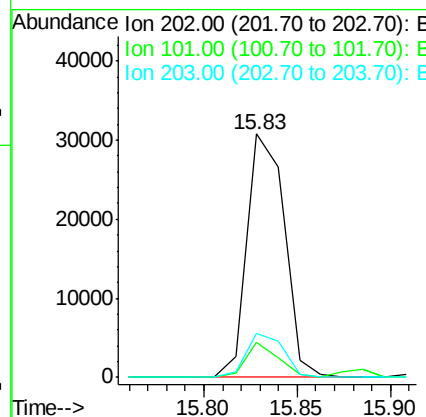
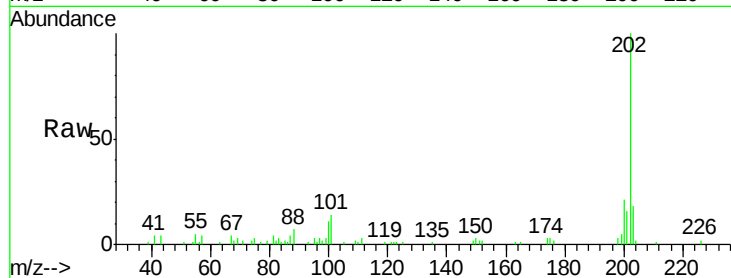
#74
 Fluoranthene
 Concen: 6.50 ng
 RT: 15.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF078702.D
 Acq: 22 Apr 2015 00:44

Instrument :
 BNA_F
 ClientSampleId :
 FILL-01

Tot Ion	Ratio	Resp	Lower	Upper
202	100	42863		
101	14.4		0.0	35.2
203	18.3		0.0	38.5

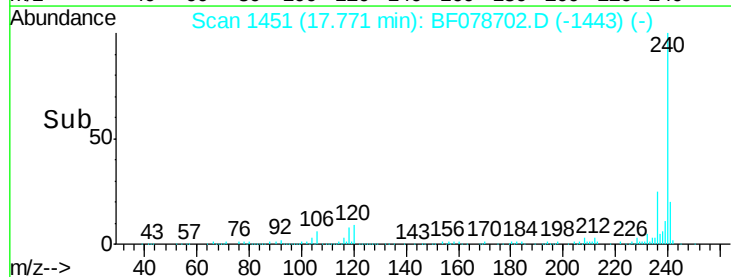
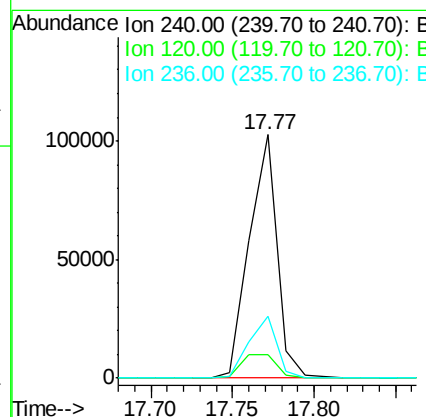
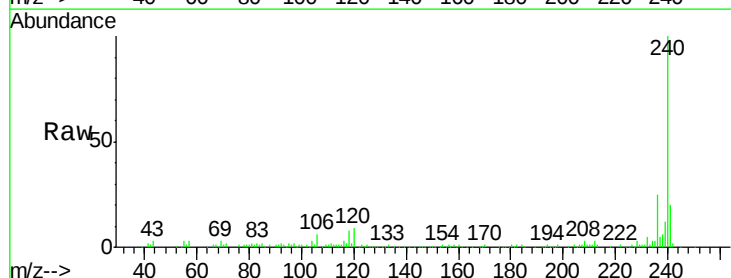
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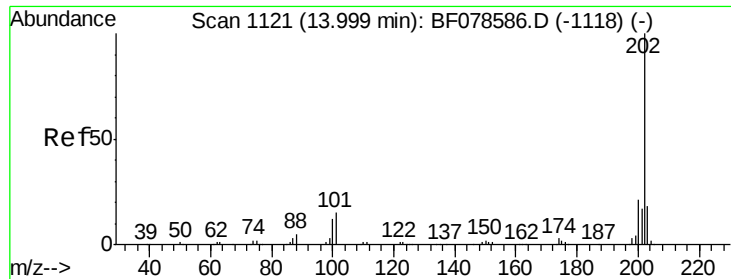
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.77 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF078702.D
 Acq: 22 Apr 2015 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	120693		
120	9.5		7.1	10.7
236	25.4		21.4	32.2





#77

Pvrene

Concen: 5.27 ng

RT: 16.15 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF078702.D

Acq: 22 Apr 2015 00:44

Instrument :

BNA_F

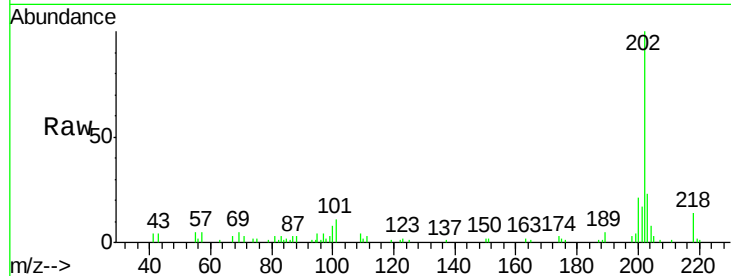
ClientSampled :

FILL-01

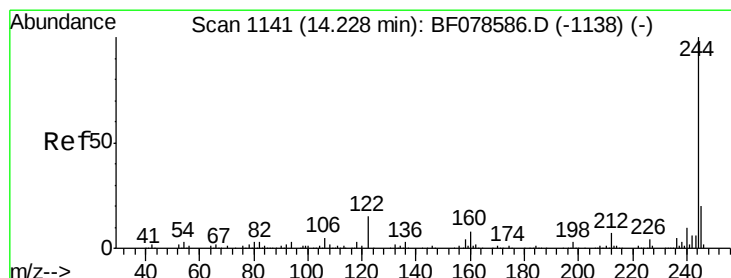
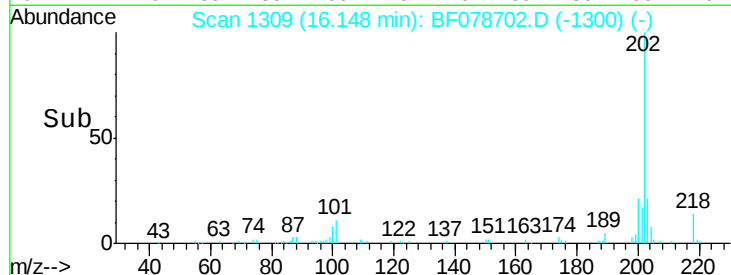
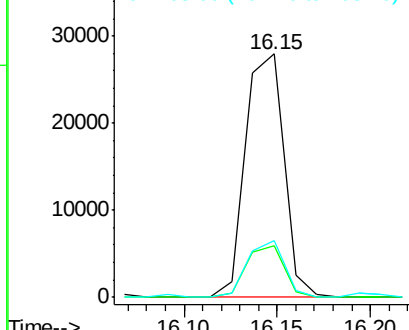
Tot Ion:	202	Resp:	39962
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.3	24.5
203	23.1	13.8	20.6

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 15.05 ng

RT: 16.43 min Scan# 1334

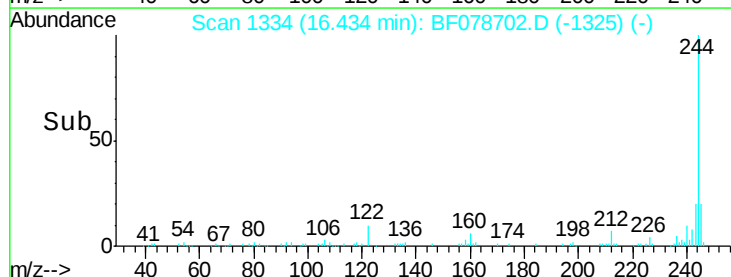
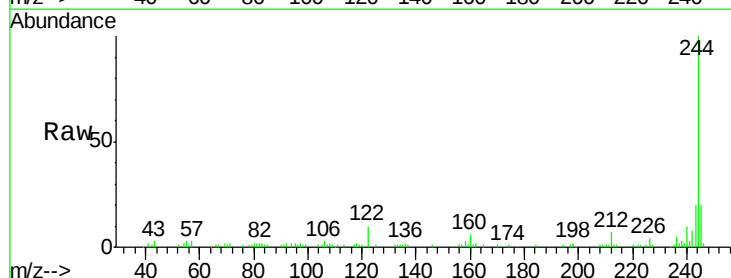
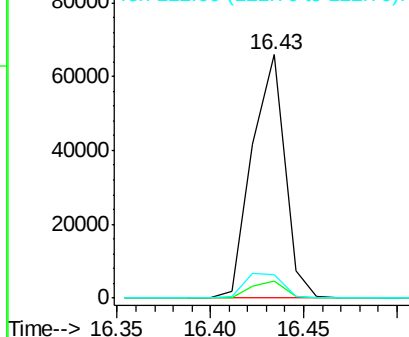
Delta R.T. -0.00 min

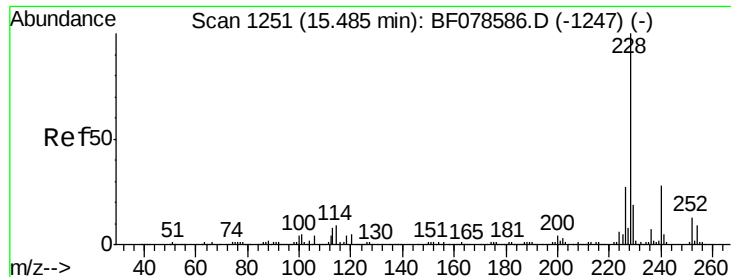
Lab File: BF078702.D

Acq: 22 Apr 2015 00:44

Tgt Ion:	244	Resp:	80381
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.0	7.4
122	9.6	7.1	10.7

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.37 ng

RT: 17.76 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BF078702.D

Acq: 22 Apr 2015 00:44

Instrument :

BNA_F

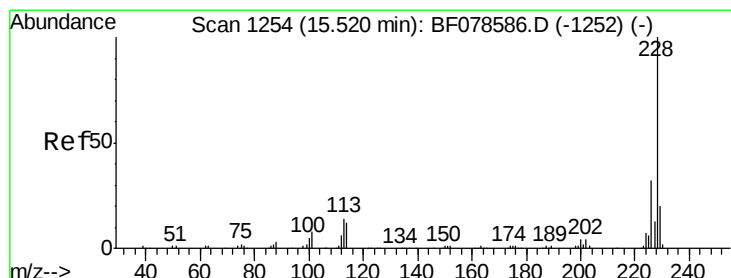
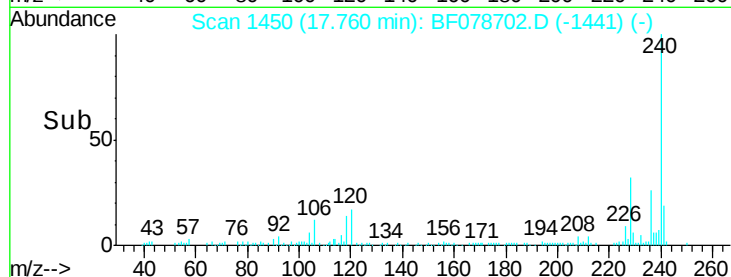
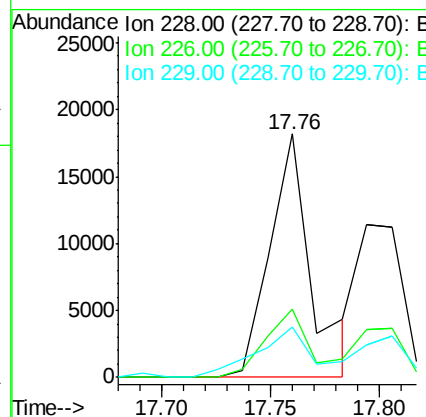
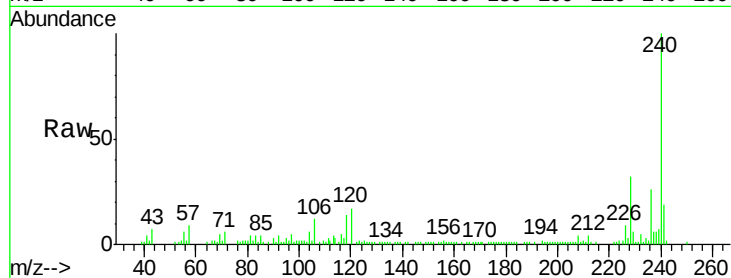
ClientSampled :

FILL-01

Tot Ion:	228	Resp:	24166
Ion Ratio	Lower	Upper	
228	100		
226	28.0	21.3	31.9
229	20.5	15.4	23.2

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#82

Chrysene

Concen: 2.50 ng

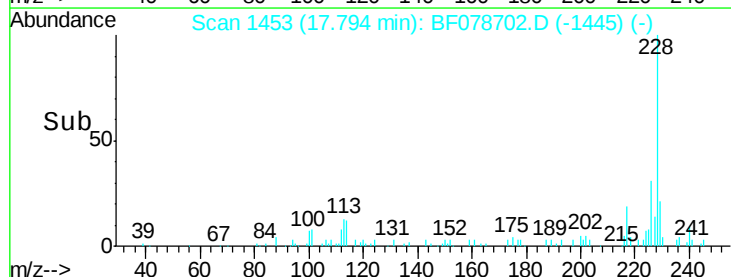
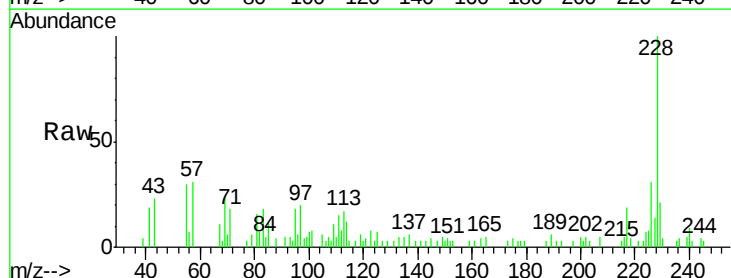
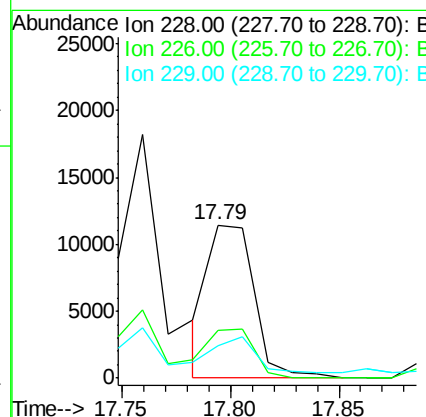
RT: 17.79 min Scan# 1453

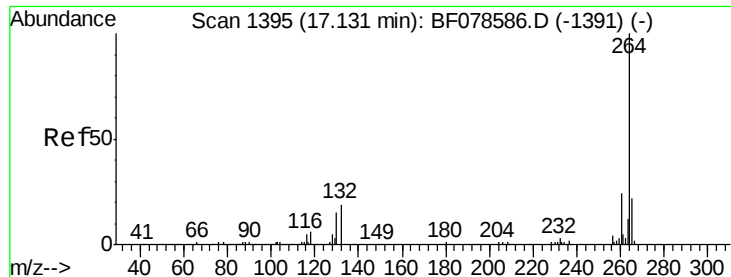
Delta R.T. -0.01 min

Lab File: BF078702.D

Acq: 22 Apr 2015 00:44

Tgt Ion:	228	Resp:	16886
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.2	36.4
229	21.3	15.8	23.8





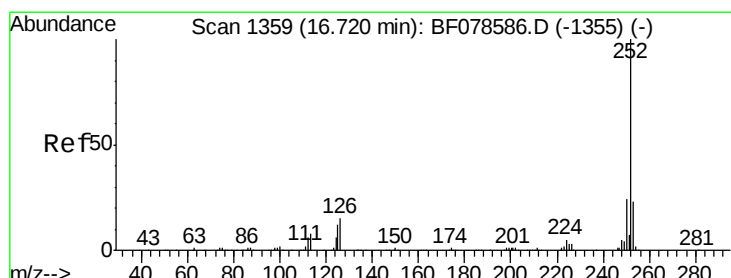
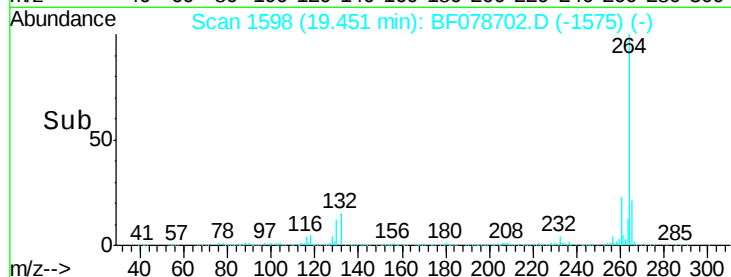
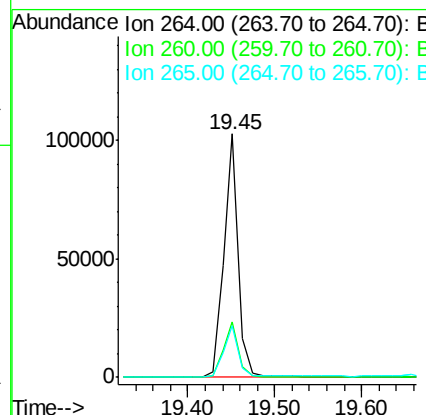
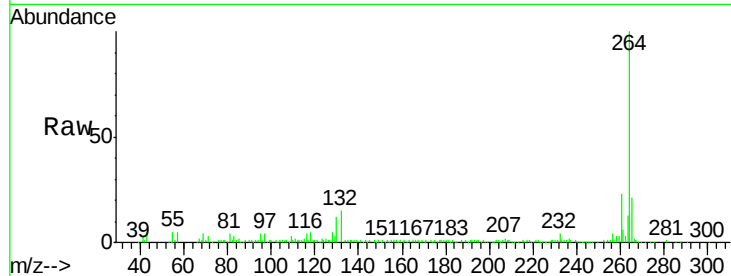
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.45 min Scan# 1598
Delta R.T. -0.03 min
Lab File: BF078702.D
Acq: 22 Apr 2015 00:44

Instrument :
BNA_F
ClientSampled :
FILL-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.6	27.8
265	21.1	17.0	25.6

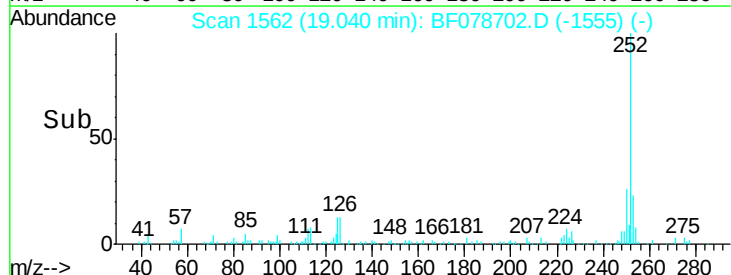
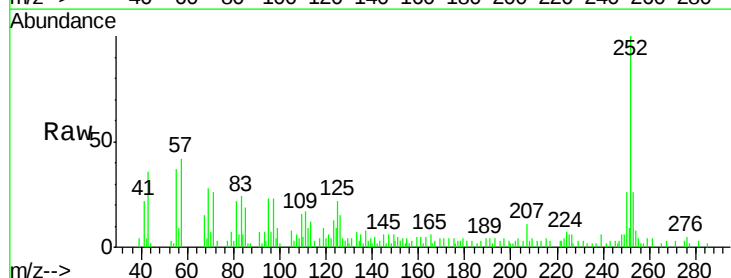
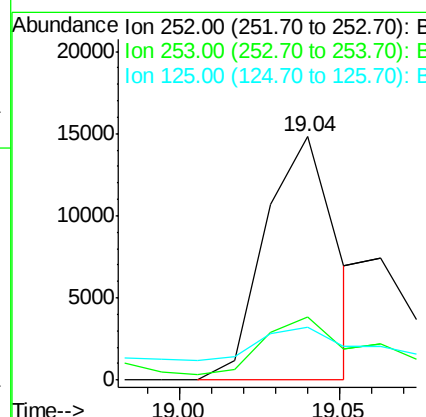
Manual Integrations
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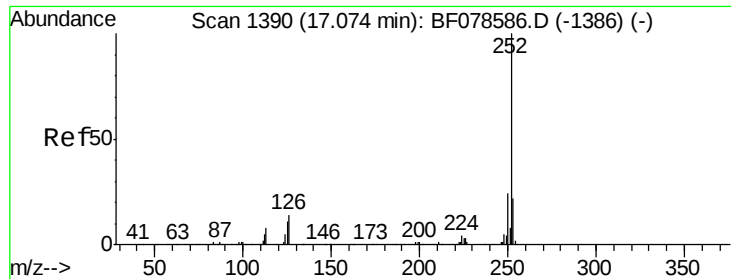
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#87
Benzo(b)fluoranthene
Concen: 3.12 ng m
RT: 19.04 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF078702.D
Acq: 22 Apr 2015 00:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.2	25.8#
125	21.6	7.0	10.4#





#89
 Benzo(a)pyrene
 Concen: 2.60 ng
 RT: 19.38 min Scan# 1592
 Delta R.T. -0.05 min
 Lab File: BF078702.D
 Acq: 22 Apr 2015 00:44

Instrument :
 BNA_F
 ClientSampleId :
 FILL-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	16.8	25.2#
125	25.7	7.4	11.0#

Manual Integrations
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