

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
 Data File : BF078686.D
 Acq On : 21 Apr 2015 16:28
 Operator : TP/IZ
 Sample : G1943-09DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-C-3DL

Manual Integrations
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Quant Time: Apr 22 02:34:31 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	26771	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	117866	20.00	ng	-0.01
38) Acenaphthene-d10	11.17	164	62368	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	124579	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	135662	20.00	ng	-0.01
86) Perylene-d12	19.51	264	135324	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.84	112	6892	4.24	ng	0.01
7) Phenol-d6	5.34	99	9706	4.77	ng	0.01
23) Nitrobenzene-d5	6.76	82	5473	2.81	ng	0.00
41) 2,4,6-Tribromophenol	12.64	330	2464	4.76	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	15101	3.46	ng	-0.01
78) Terphenyl-d14	16.43	244	17206	2.87	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	11.22	154	7564	2.07	ng	97
57) Fluorene	12.18	166	14065	3.11	ng	98
70) Phenanthrene	13.94	178	238217	33.06	ng	99
71) Anthracene	14.03	178	60249	8.48	ng	99
74) Fluoranthene	15.84	202	367753	48.39	ng	92
77) Pyrene	16.15	202	302868	35.56	ng	# 94
80) Benzo(a)anthracene	17.76	228	157778	19.55	ng	99
82) Chrysene	17.81	228	118320	15.60	ng	98
85) Indeno(1,2,3-cd)pyrene	20.70	276	71377	8.29	ng	# 85
87) Benzo(b)fluoranthene	19.06	252	165383m	19.77	ng	
88) Benzo(k)fluoranthene	19.10	252	55162m	7.42	ng	
89) Benzo(a)pyrene	19.44	252	115703	15.85	ng	# 94
90) Dibenzo(a,h)anthracene	20.72	278	14862	2.03	ng	93
91) Benzo(a,h,i)perylene	21.02	276	69976	9.55	ng	97

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

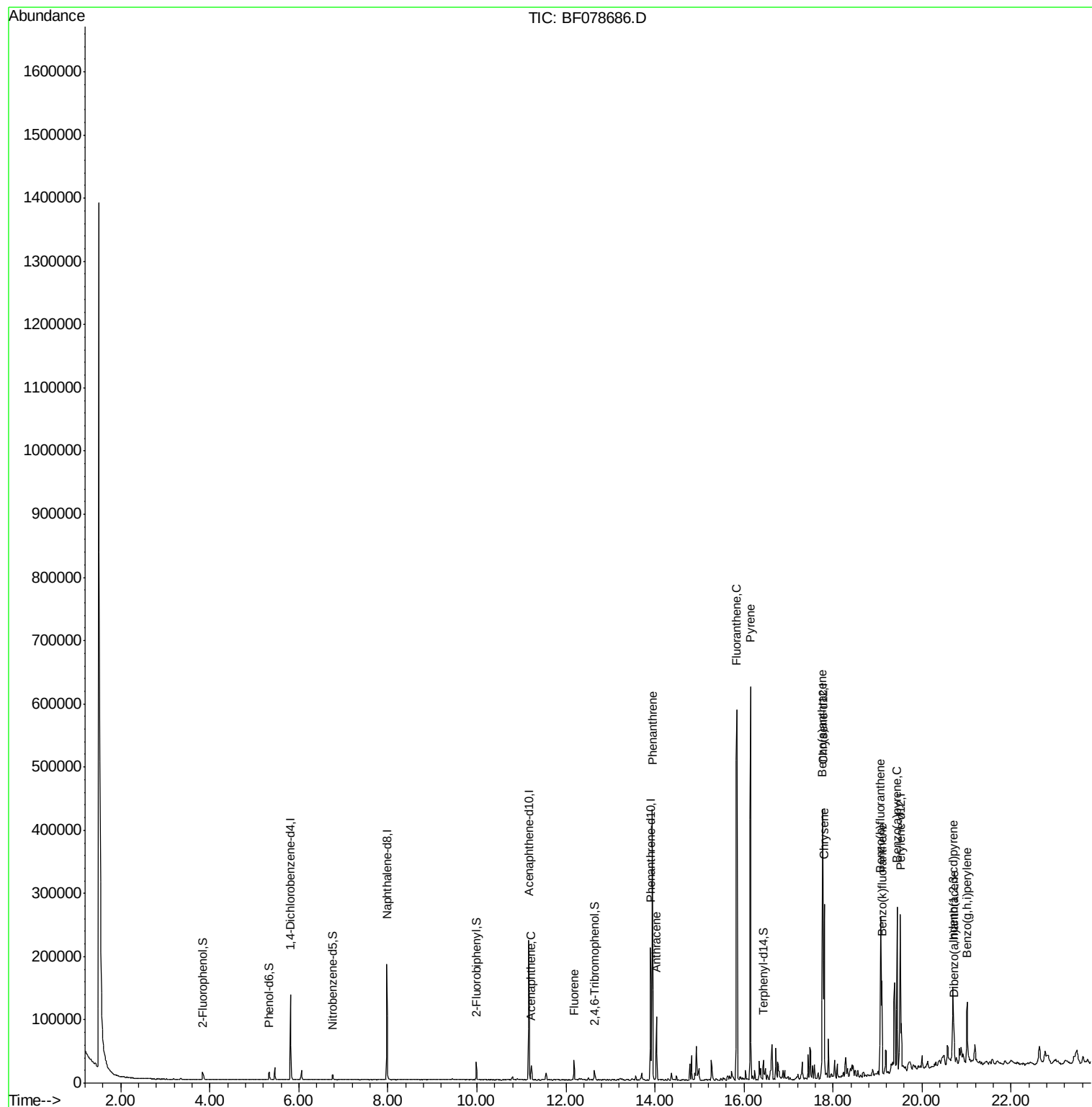
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078686.D
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Sample : G1943-09DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

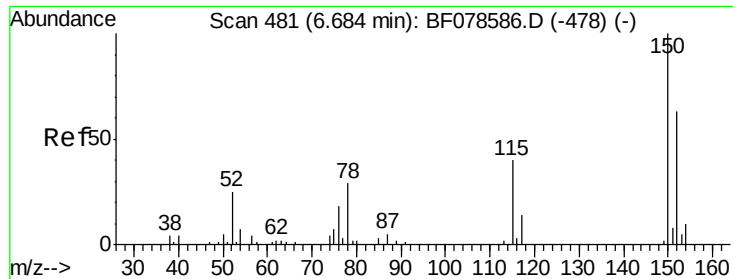
Instrument :
BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 22 00:52:13 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.82 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF078686.D

Acq: 21 Apr 2015 16:28

Instrument :

BNA_F

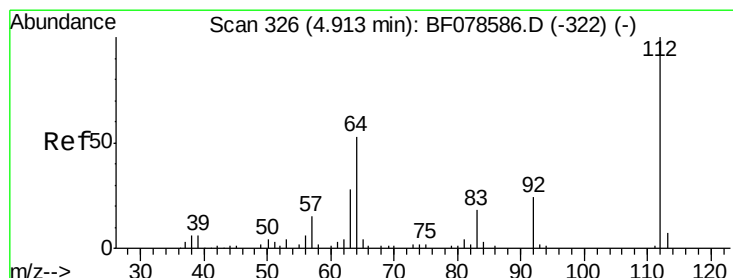
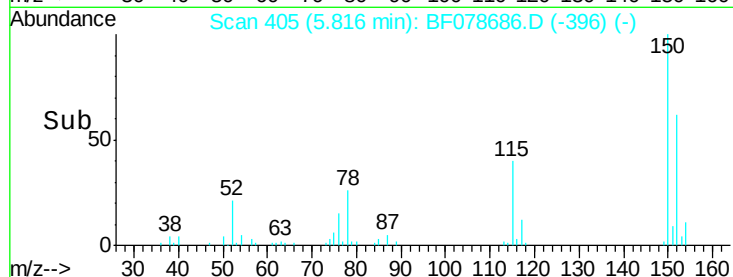
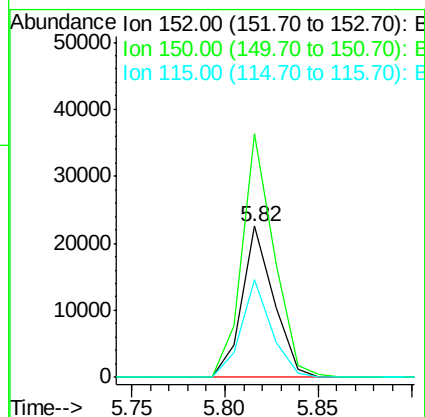
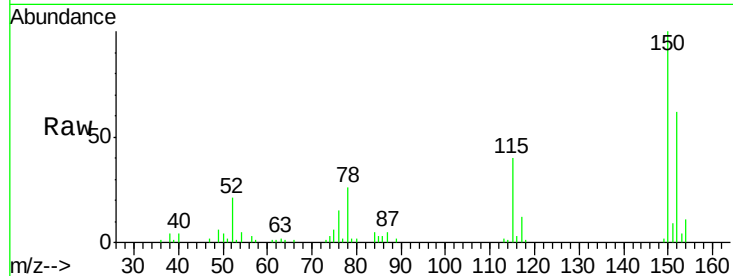
ClientSampleId :

SP-C-3DL

Tot Ion:	152	Resp:	26771
Ion Ratio	Lower	Upper	
152	100		
150	161.4	125.9	188.9
115	64.9	52.7	79.1

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#5

2-Fluorophenol

Concen: 4.24 ng

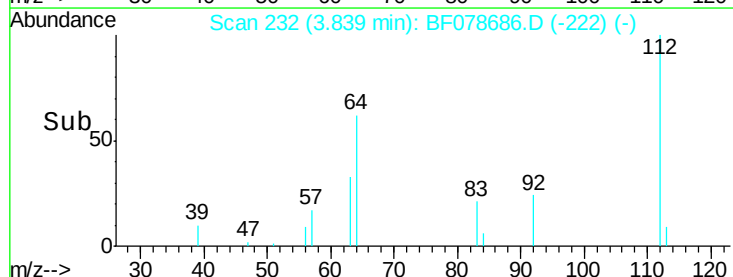
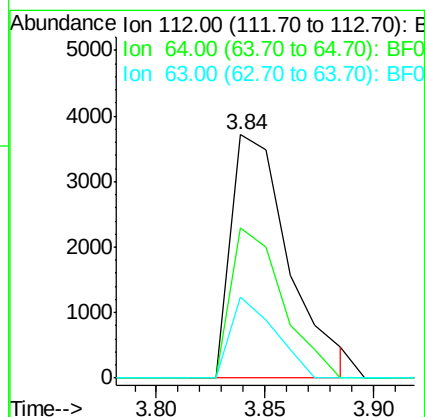
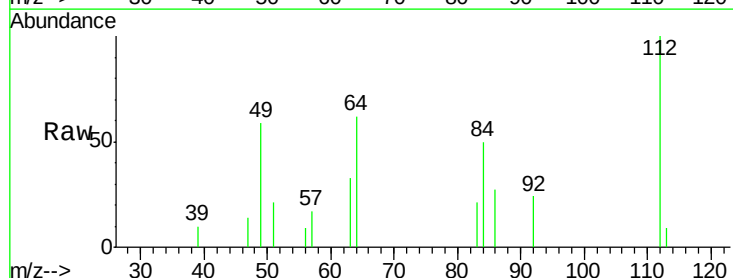
RT: 3.84 min Scan# 232

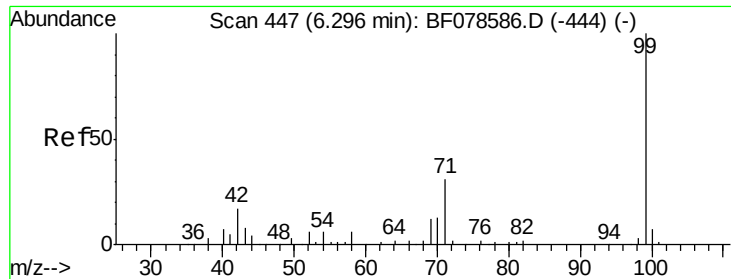
Delta R.T. 0.01 min

Lab File: BF078686.D

Acq: 21 Apr 2015 16:28

Tgt Ion:	112	Resp:	6892
Ion Ratio	Lower	Upper	
112	100		
64	61.5	39.9	59.9#
63	33.1	20.2	30.4#





#7

Phenol-d6

Concen: 4.77 ng

RT: 5.34 min Scan# 363

Delta R.T. 0.01 min

Lab File: BF078686.D

Acq: 21 Apr 2015 16:28

Instrument :

BNA_F

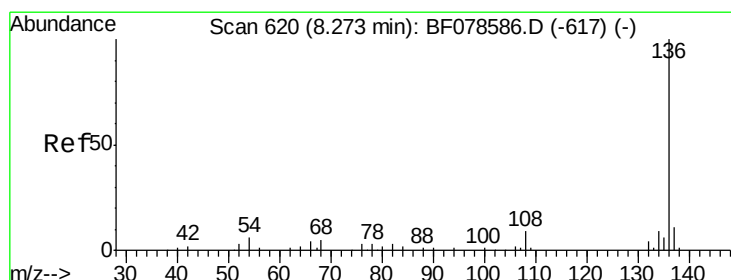
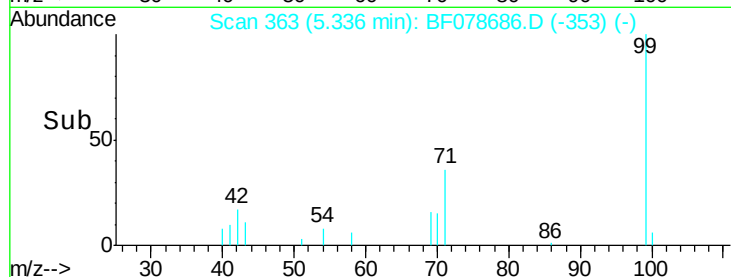
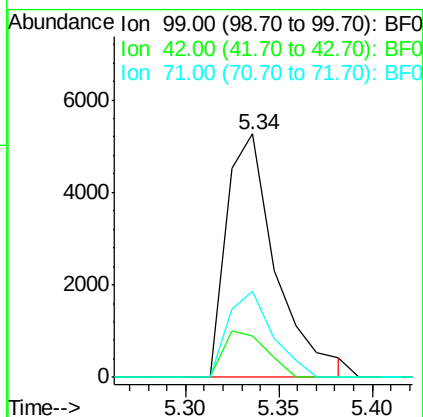
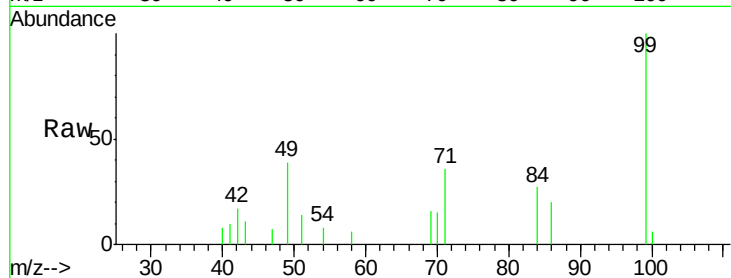
ClientSampleId :

SP-C-3DL

Tot Ion:	99	Resp:	9706
Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.8	22.2
71	35.5	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

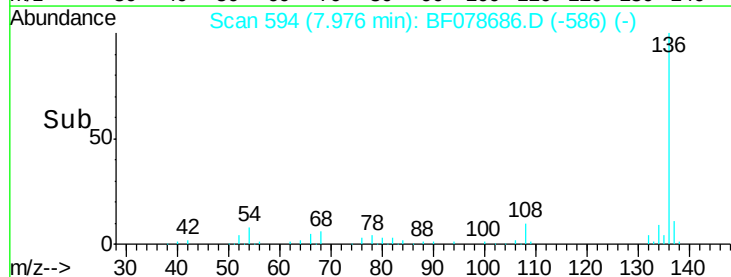
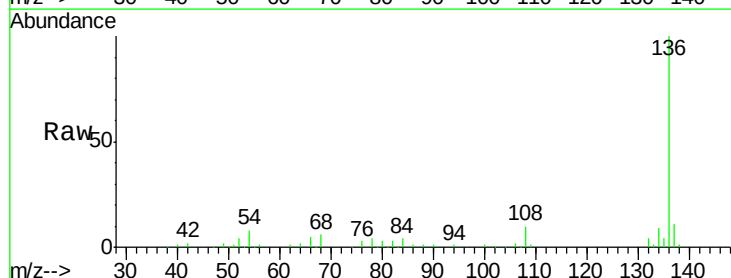
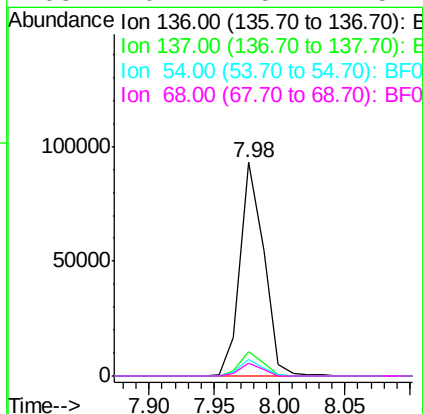
RT: 7.98 min Scan# 594

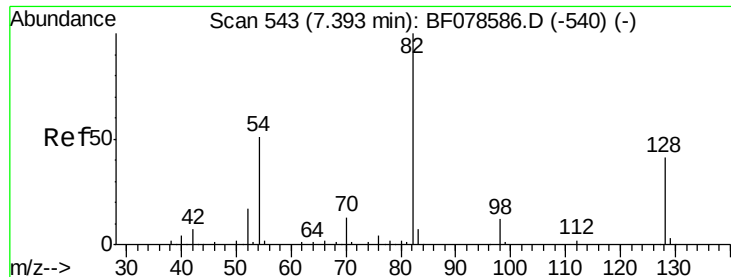
Delta R.T. -0.01 min

Lab File: BF078686.D

Acq: 21 Apr 2015 16:28

Tgt Ion:	136	Resp:	117866
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.7	7.0	10.6
68	6.2	5.4	8.2





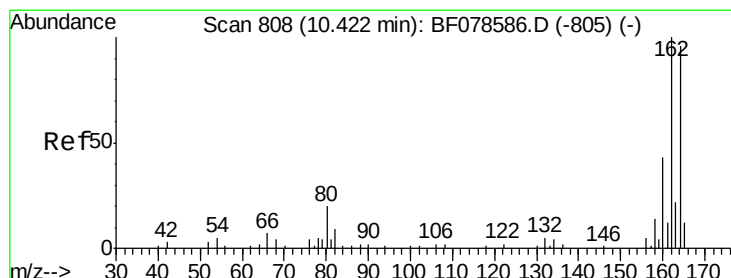
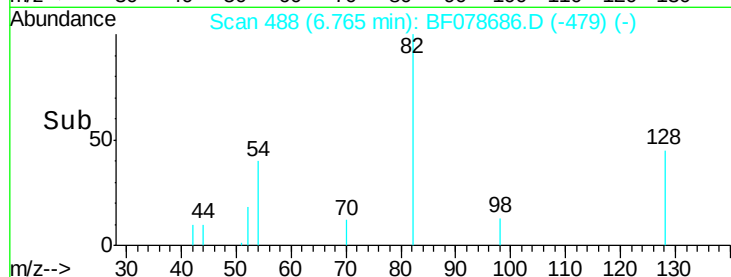
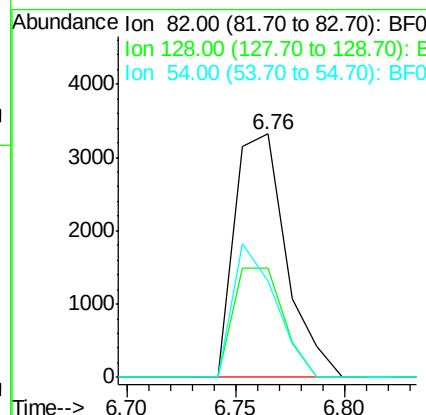
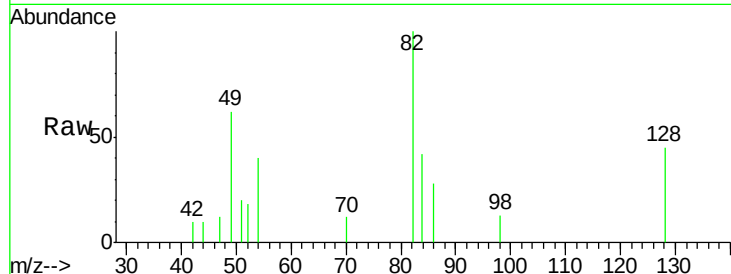
#23
 Nitrobenzene-d5
 Concen: 2.81 ng
 RT: 6.76 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: BF078686.D
 Acq: 21 Apr 2015 16:28

Instrument :
 BNA_F
 ClientSampleId :
 SP-C-3DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	31.8	47.8
54	39.7	41.5	62.3

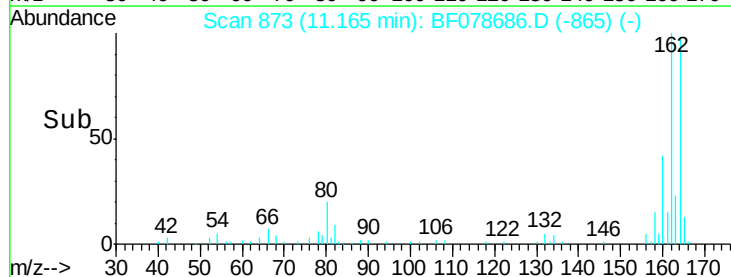
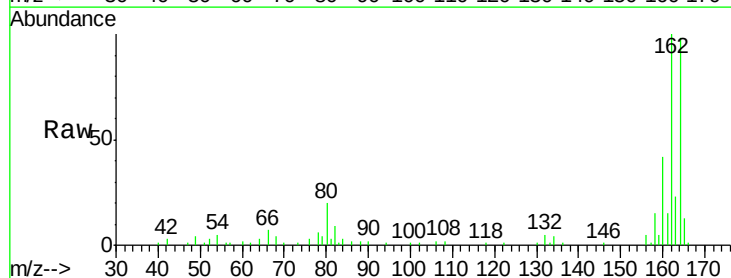
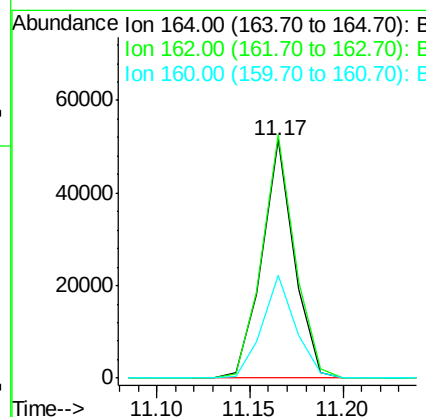
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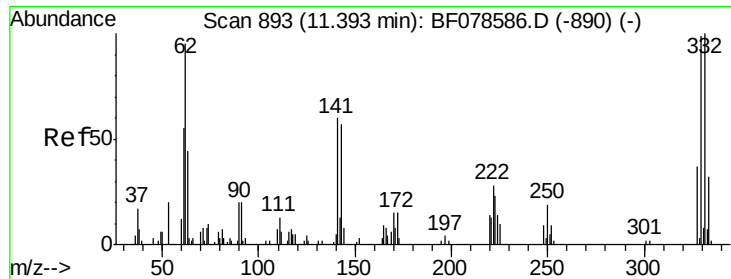
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF078686.D
 Acq: 21 Apr 2015 16:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.2
160	43.3	34.7	52.1





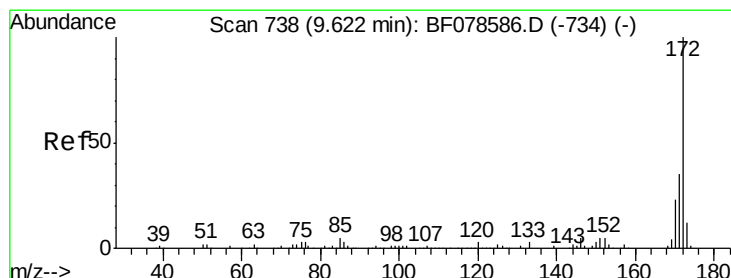
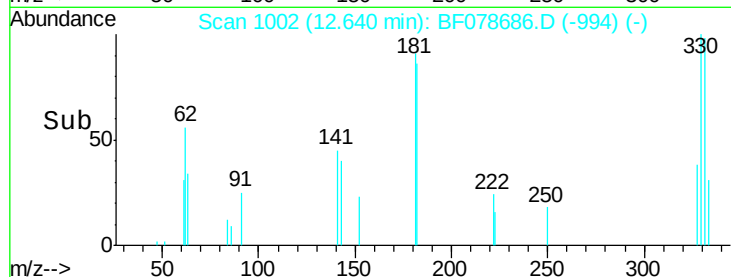
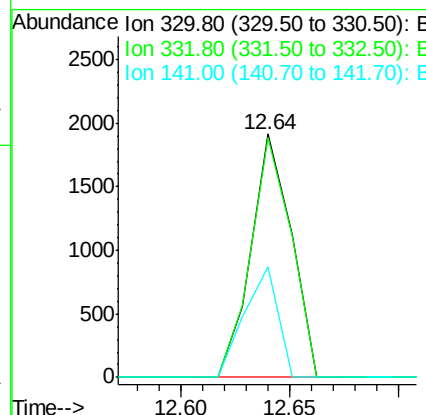
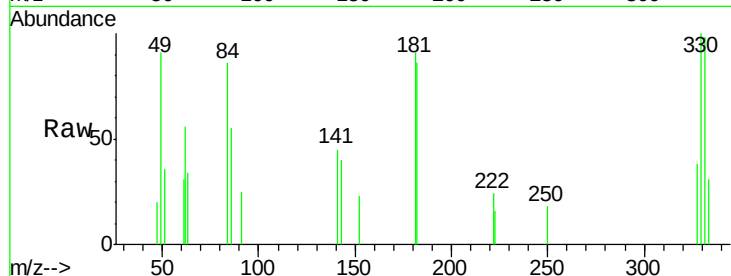
#41
 2,4,6-Tribromophenol
 Concen: 4.76 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF078686.D
 Acq: 21 Apr 2015 16:28

Instrument :
 BNA_F
 ClientSampled :
 SP-C-3DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.0	78.6	117.8
141	37.5	31.2	46.8

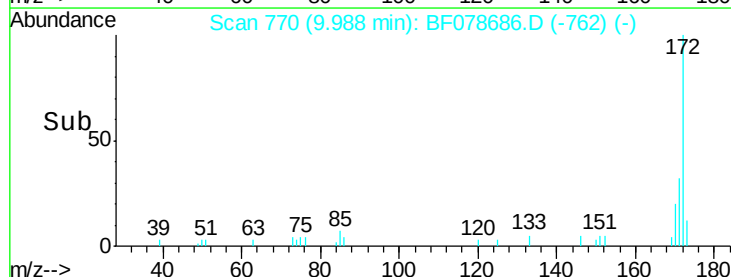
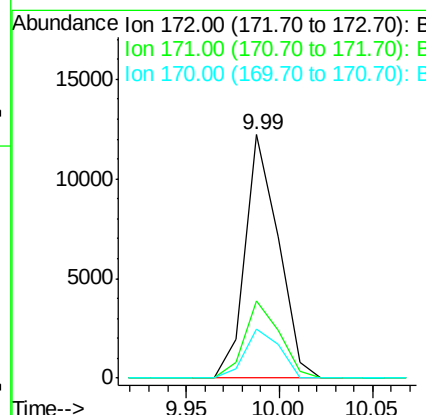
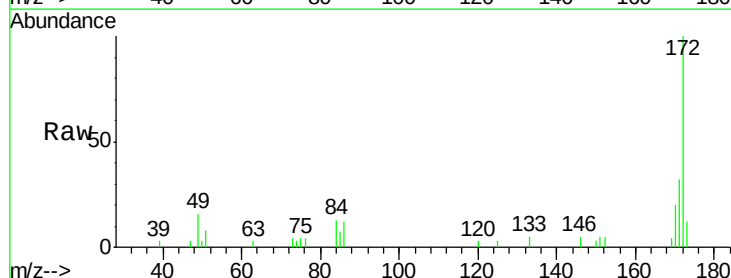
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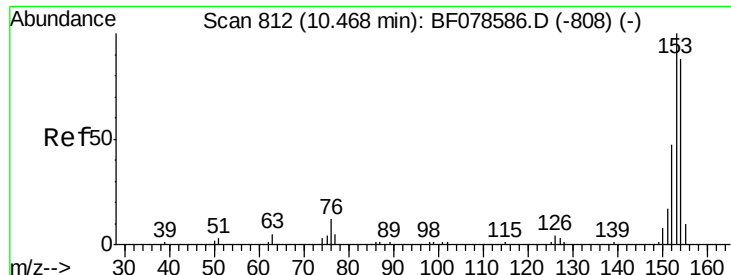
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#44
 2-Fluorobiphenyl
 Concen: 3.46 ng
 RT: 9.99 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF078686.D
 Acq: 21 Apr 2015 16:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.8	28.6	42.8
170	20.2	18.5	27.7





#51

Acenaphthene

Concen: 2.07 ng

RT: 11.22 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF078686.D

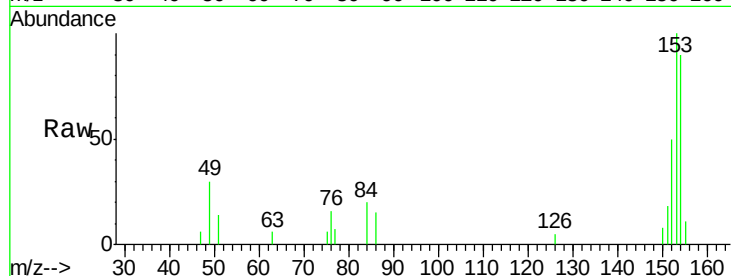
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Instrument :

BNA_F

ClientSampleId :

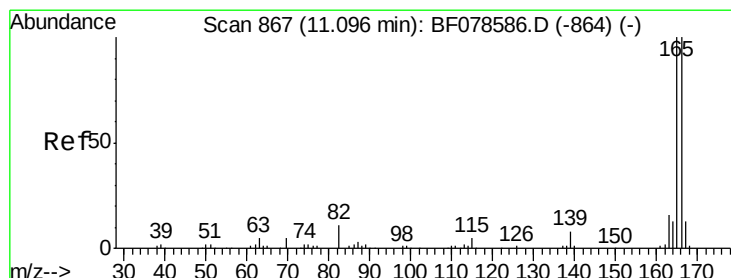
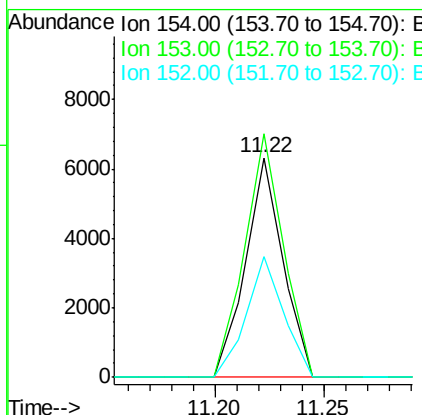
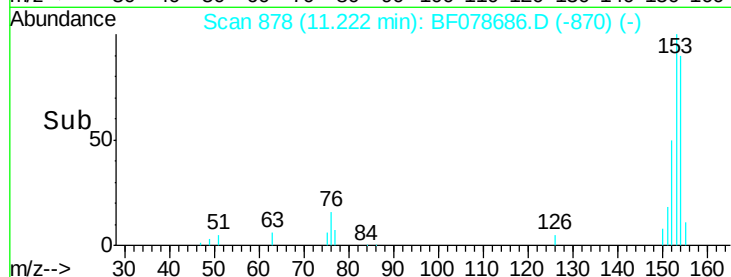
SP-C-3DL



Tot Ion:	154	Resp:	7564
Ion	Ratio	Lower	Upper
154	100		
153	110.7	91.4	137.2
152	55.2	43.0	64.6

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#57

Fluorene

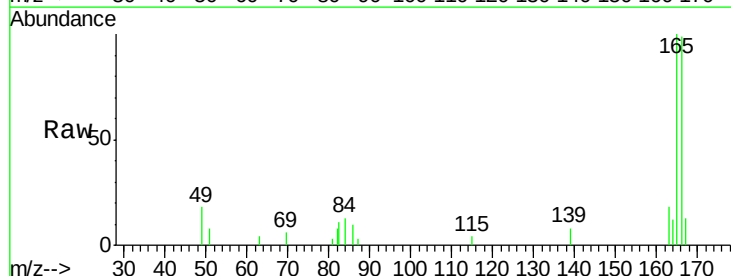
Concen: 3.11 ng

RT: 12.18 min Scan# 962

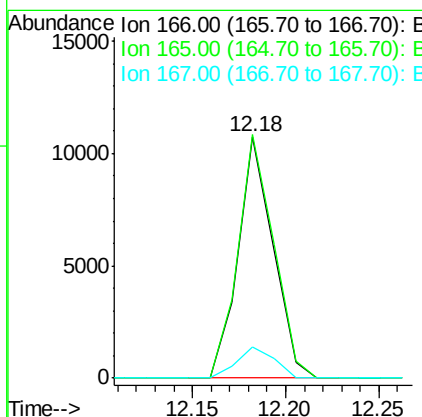
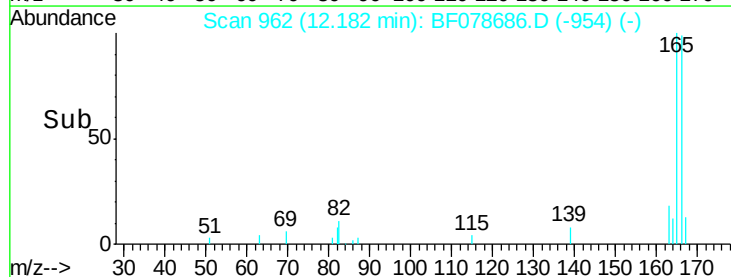
Delta R.T. -0.01 min

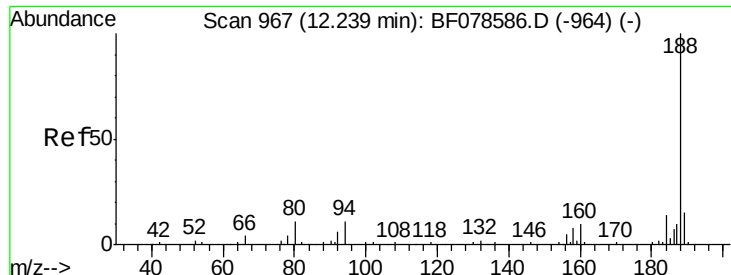
Lab File: BF078686.D

Acq: 21 Apr 2015 16:28



Tgt Ion:	166	Resp:	14065
Ion	Ratio	Lower	Upper
166	100		
165	100.8	78.9	118.3
167	13.1	10.7	16.1





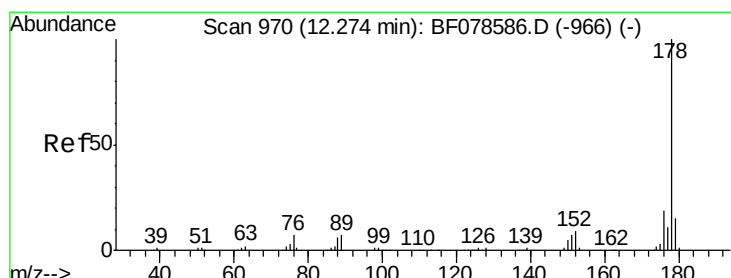
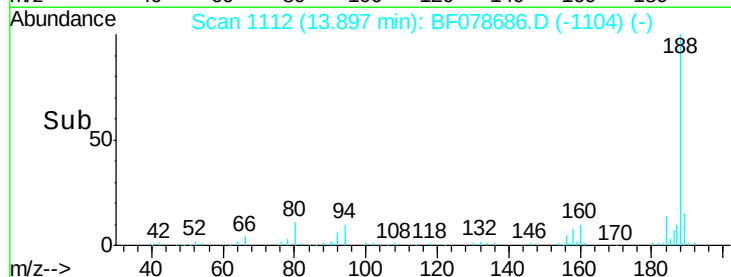
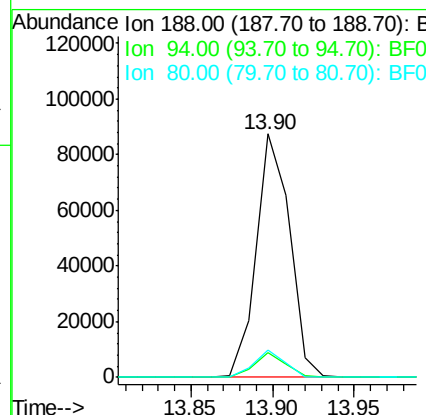
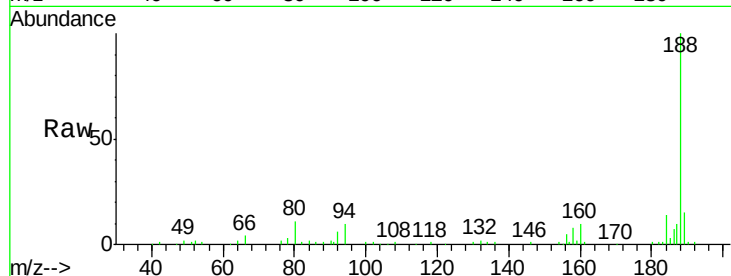
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.90 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF078686.D
Acq: 21 Apr 2015 16:28

Instrument :
BNA_F
ClientSampleId :
SP-C-3DL

Tot Ion	188	Resp	124579
Ion Ratio	Lower	Upper	
188	100		
94	10.3	9.0	13.4
80	11.0	9.5	14.3

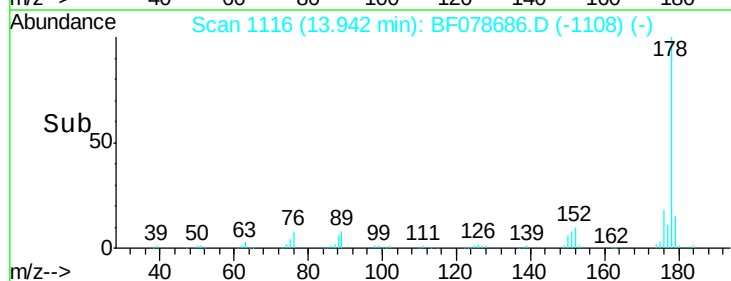
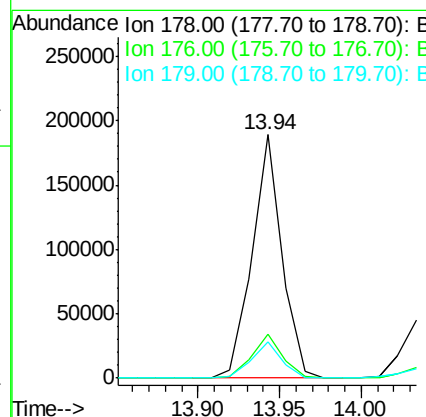
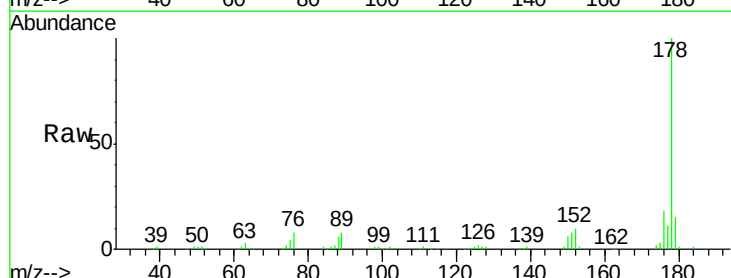
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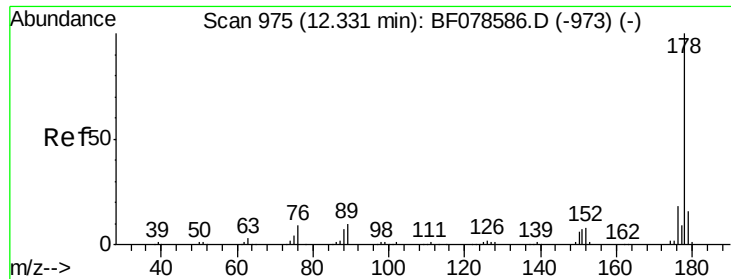
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#70
Phenanthrene
Concen: 33.06 ng
RT: 13.94 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF078686.D
Acq: 21 Apr 2015 16:28

Tgt Ion	178	Resp	238217
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.4	23.0
179	15.1	12.2	18.2





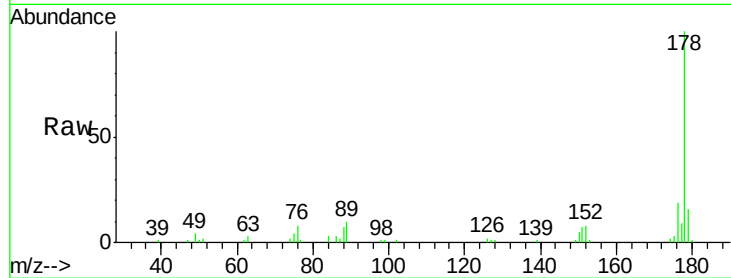
#71
 Anthracene
 Concen: 8.48 ng
 RT: 14.03 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF078686.D
 Acq: 21 Apr 2015 16:28

Instrument :
 BNA_F
 ClientSampleId :
 SP-C-3DL

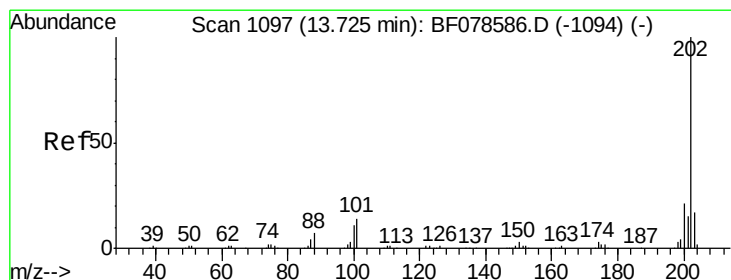
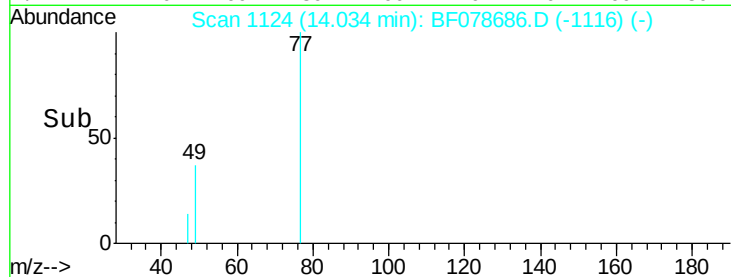
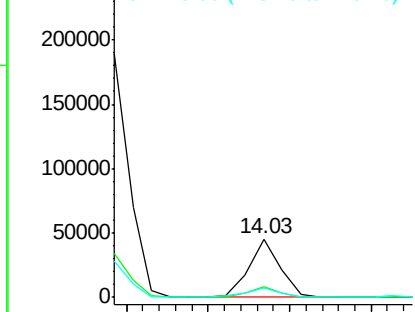
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.8	22.2
179	15.6	12.4	18.6

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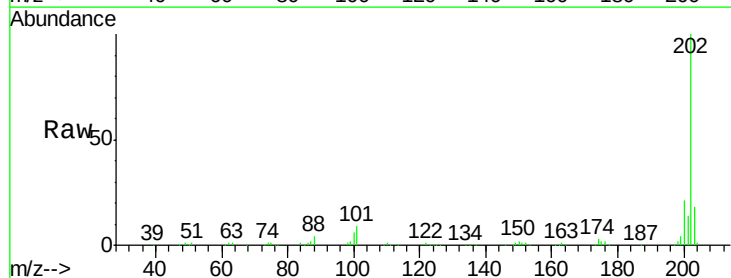


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

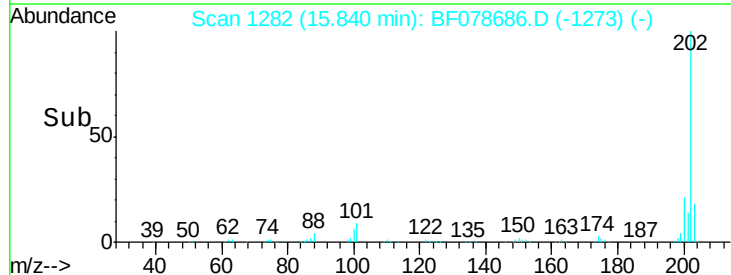
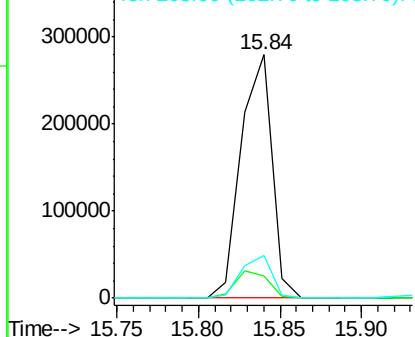


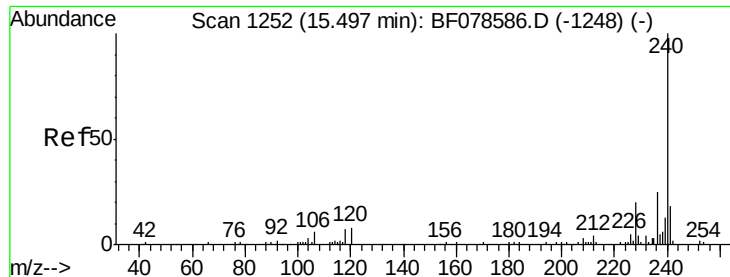
#74
 Fluoranthene
 Concen: 48.39 ng
 RT: 15.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: BF078686.D
 Acq: 21 Apr 2015 16:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	35.2
203	17.6	0.0	38.5



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.77 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF078686.D

Acq: 21 Apr 2015 16:28

Instrument :

BNA_F

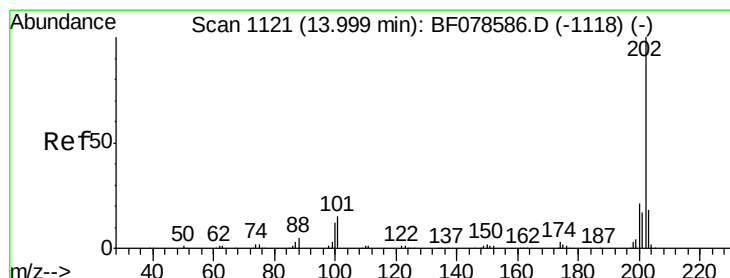
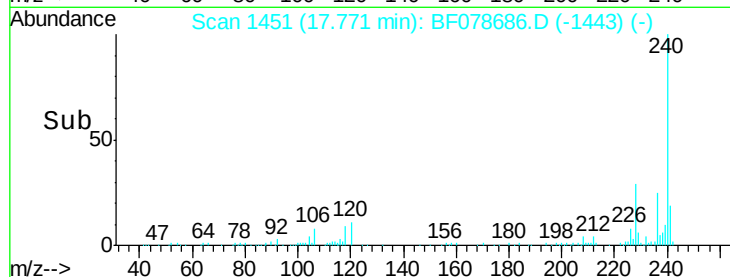
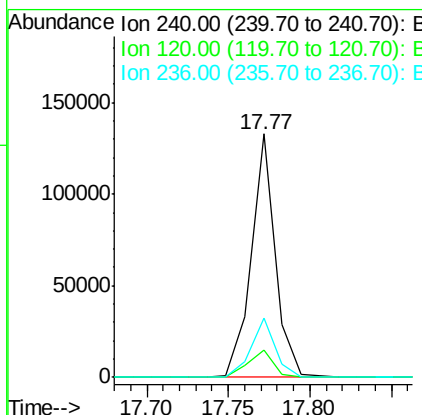
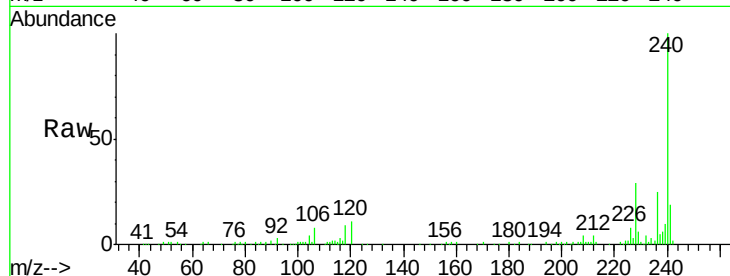
ClientSampleId :

SP-C-3DL

Tot Ion:	240	Resp:	135662
Ion Ratio	Lower	Upper	
240	100		
120	11.0	7.1	10.7#
236	24.6	21.4	32.2

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#77

Pyrene

Concen: 35.56 ng

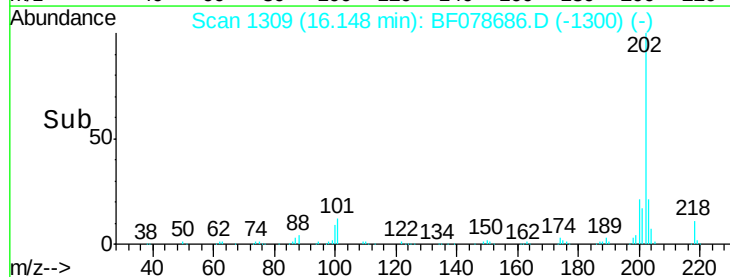
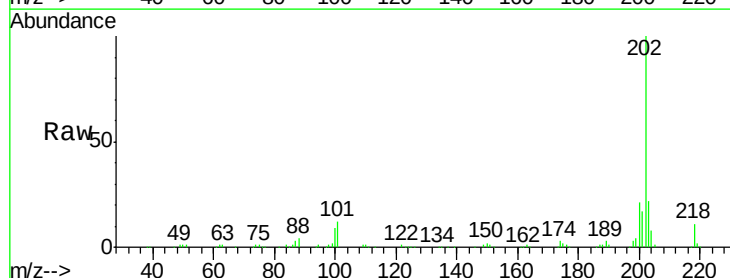
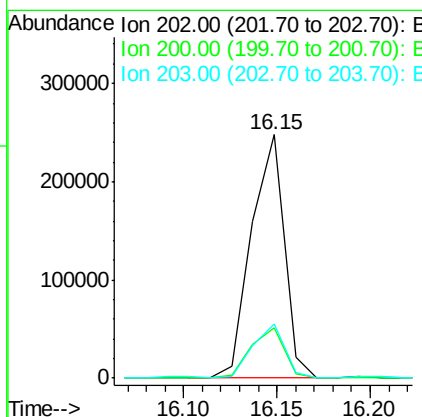
RT: 16.15 min Scan# 1309

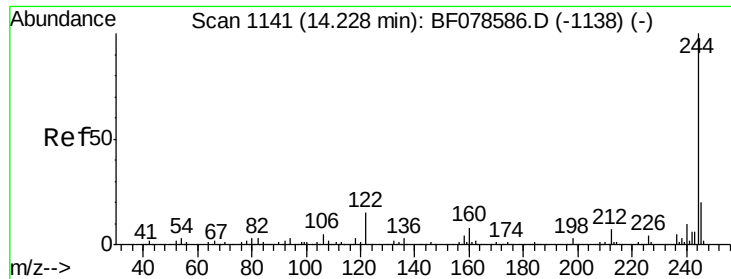
Delta R.T. 0.00 min

Lab File: BF078686.D

Acq: 21 Apr 2015 16:28

Tgt Ion:	202	Resp:	302868
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.3	24.5
203	22.1	13.8	20.6#





#78

Terphenyl-d14

Concen: 2.87 ng

RT: 16.43 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF078686.D

Acq: 21 Apr 2015 16:28

Instrument :

BNA_F

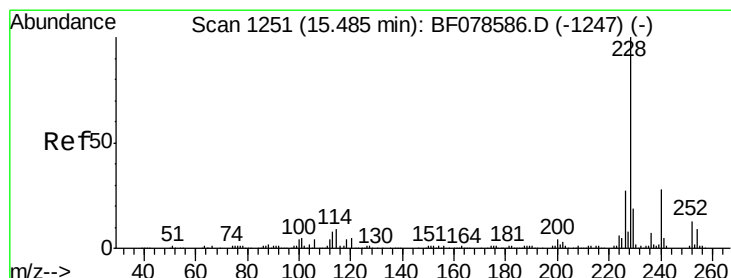
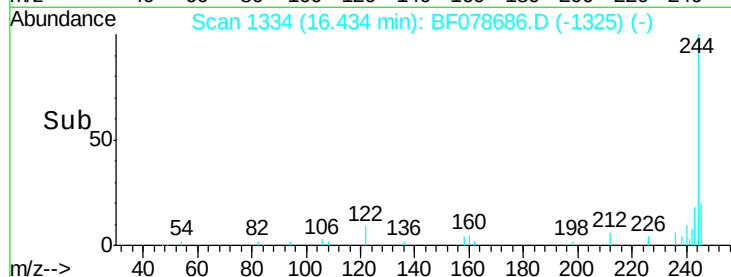
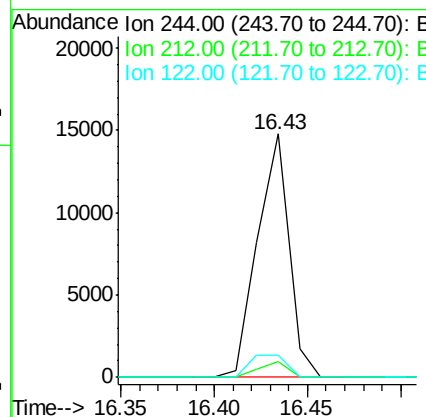
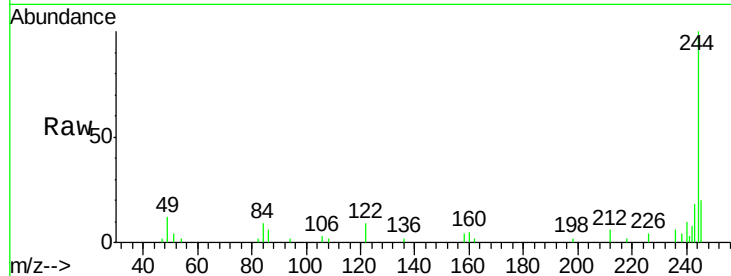
ClientSampleId :

SP-C-3DL

Tot Ion:	244	Resp:	17206
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.0	7.4
122	8.9	7.1	10.7

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#80

Benzo(a)anthracene

Concen: 19.55 ng

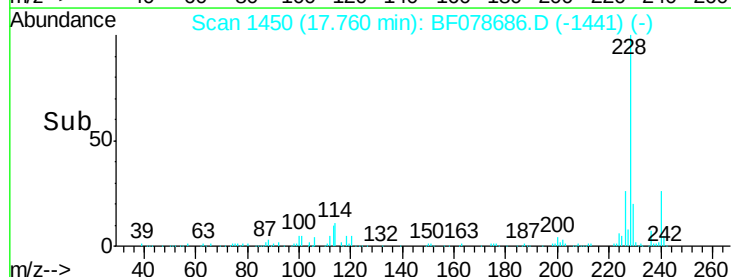
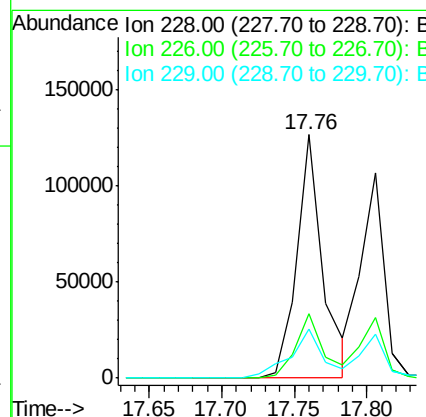
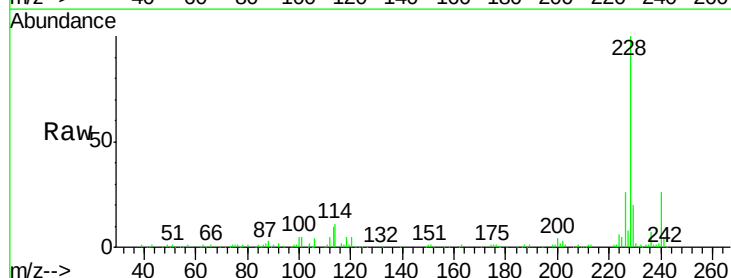
RT: 17.76 min Scan# 1450

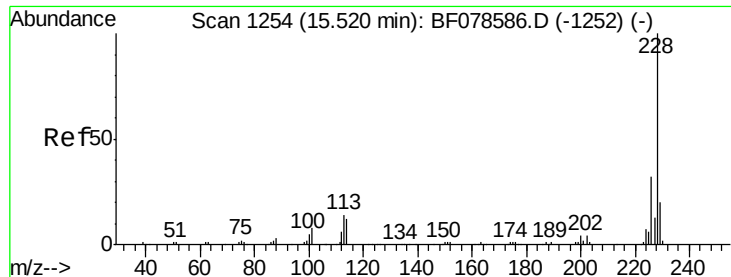
Delta R.T. 0.00 min

Lab File: BF078686.D

Acq: 21 Apr 2015 16:28

Tgt Ion:	228	Resp:	157778
Ion Ratio	Lower	Upper	
228	100		
226	26.3	21.3	31.9
229	20.1	15.4	23.2





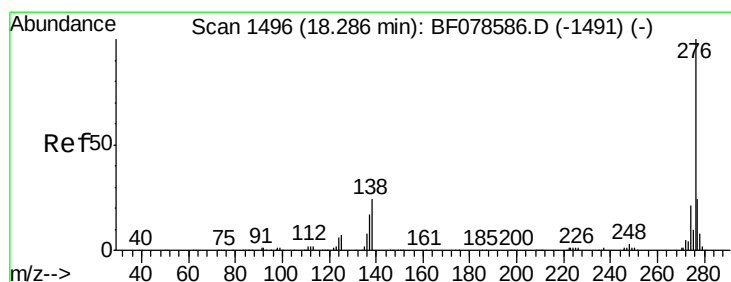
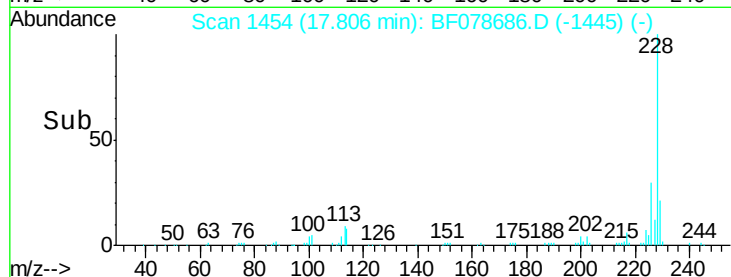
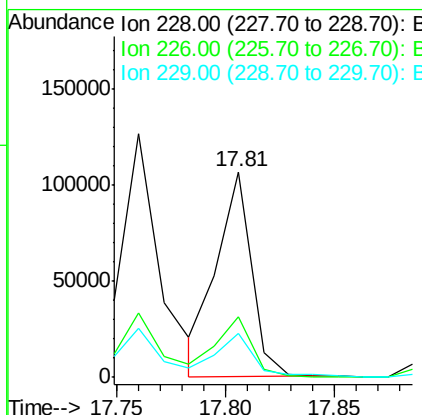
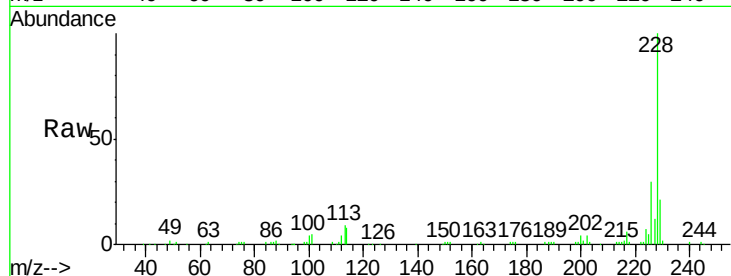
#82
Chrysene
Concen: 15.60 ng
RT: 17.81 min Scan# 1454
Delta R.T. 0.00 min
Lab File: BF078686.D
Acq: 21 Apr 2015 16:28

Instrument :
BNA_F
ClientSampleId :
SP-C-3DL

Tot Ion:	228	Resp:	118320
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.2	36.4
229	21.1	15.8	23.8

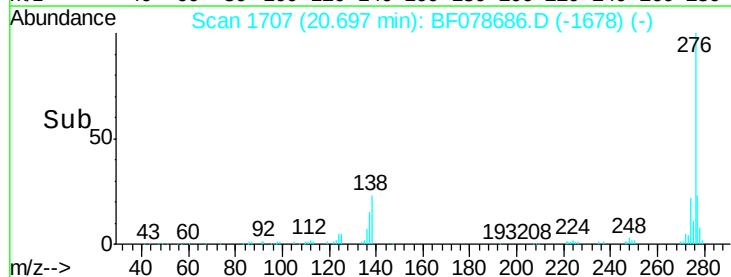
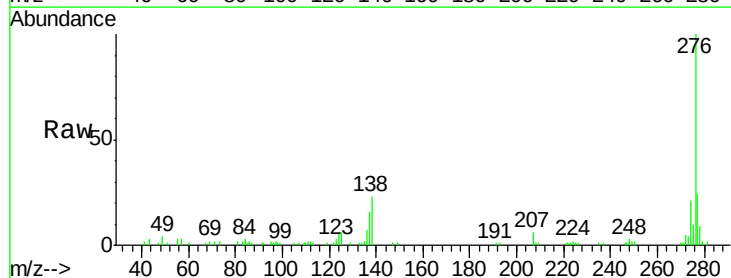
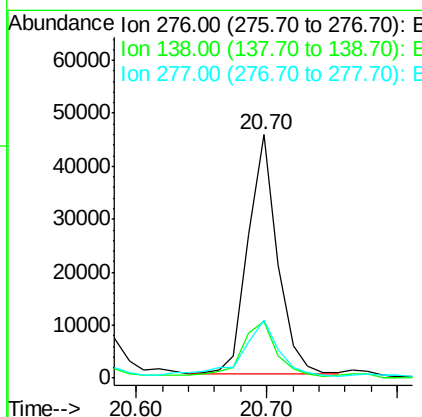
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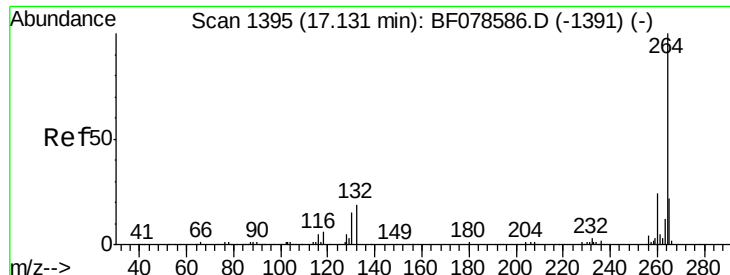
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.29 ng
RT: 20.70 min Scan# 1707
Delta R.T. 0.03 min
Lab File: BF078686.D
Acq: 21 Apr 2015 16:28

Tgt Ion:	276	Resp:	71377
Ion Ratio	Lower	Upper	
276	100		
138	26.4	16.9	25.3#
277	28.2	15.8	23.6#





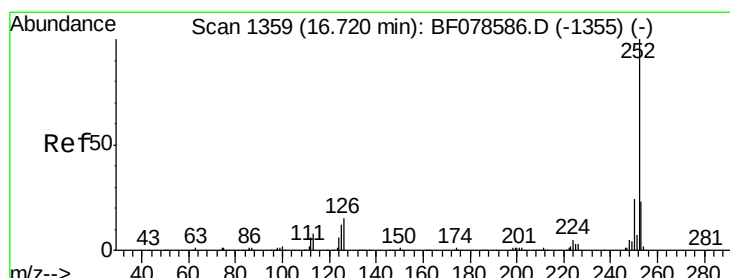
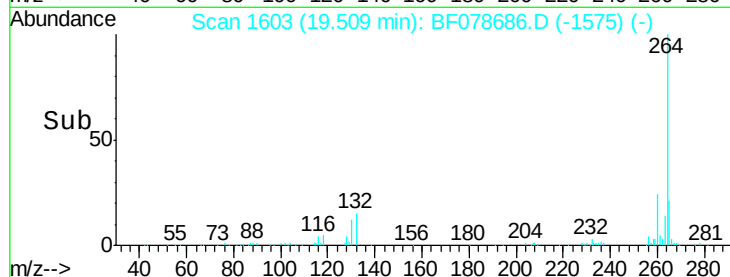
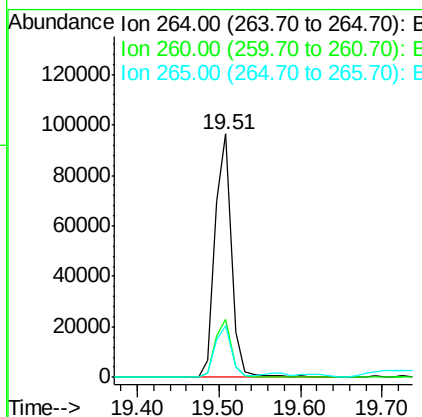
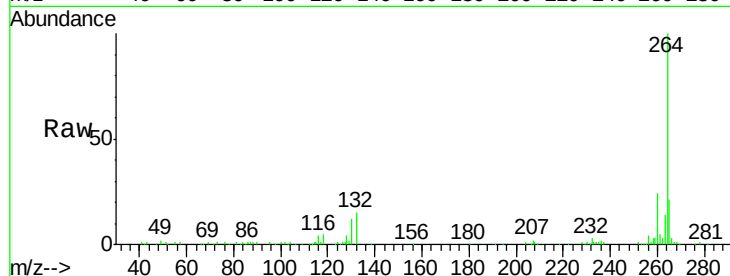
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.51 min Scan# 1603
Delta R.T. 0.02 min
Lab File: BF078686.D
Acq: 21 Apr 2015 16:28

Instrument :
BNA_F
ClientSampleId :
SP-C-3DL

Tot Ion:	264	Resp:	135324
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.6	27.8
265	21.3	17.0	25.6

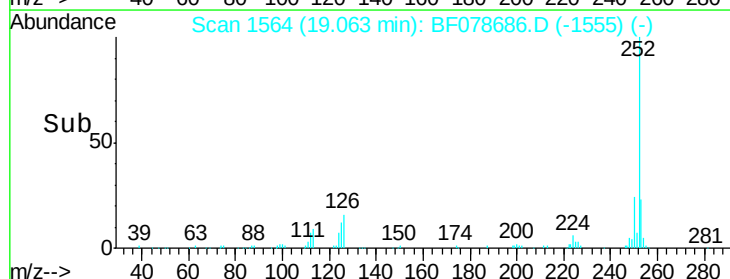
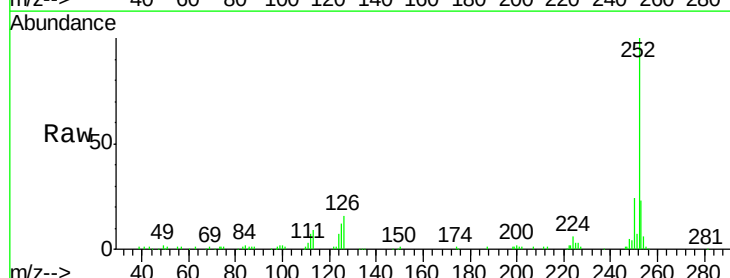
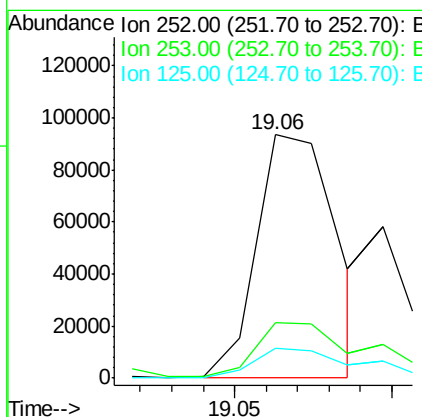
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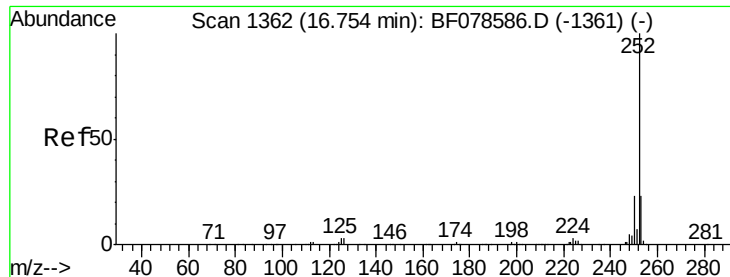
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#87
Benzo(b)fluoranthene
Concen: 19.77 ng m
RT: 19.06 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BF078686.D
Acq: 21 Apr 2015 16:28

Tgt Ion:	252	Resp:	165383
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.2	25.8
125	12.5	7.0	10.4#





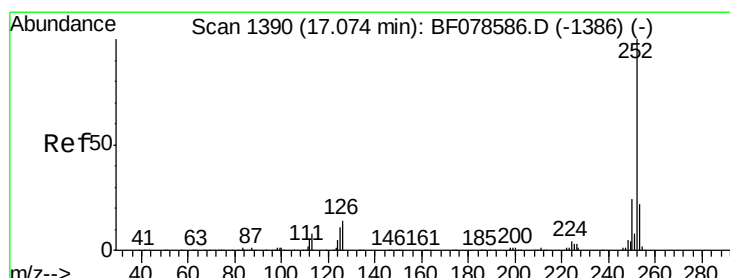
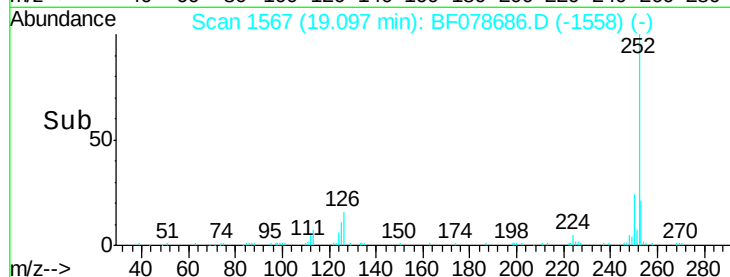
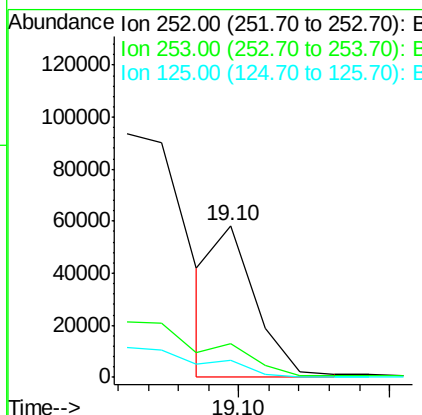
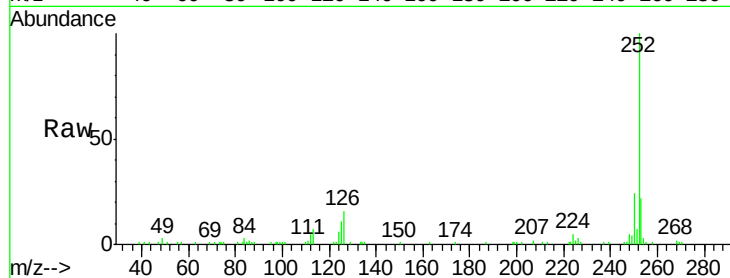
#88
Benzo(k)fluoranthene
Concen: 7.42 ng/mL
RT: 19.10 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF078686.D
Acq: 21 Apr 2015 16:28

Instrument :
BNA_F
ClientSampleId :
SP-C-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.9	11.6	17.4

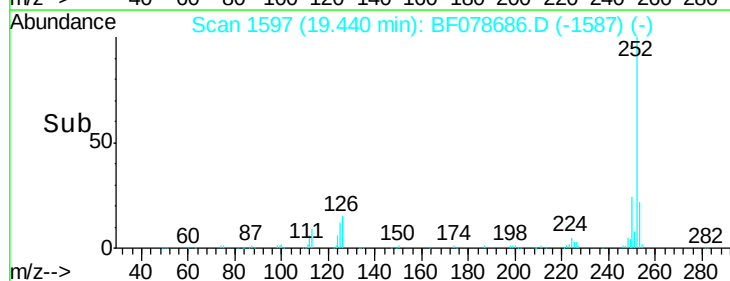
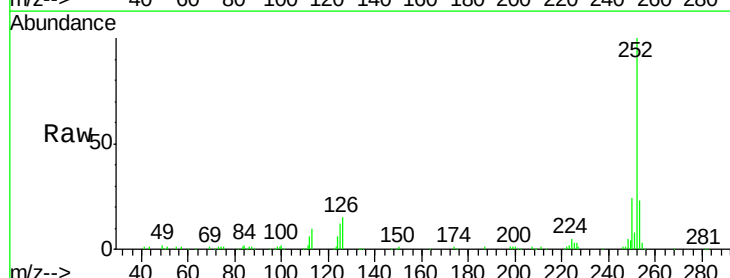
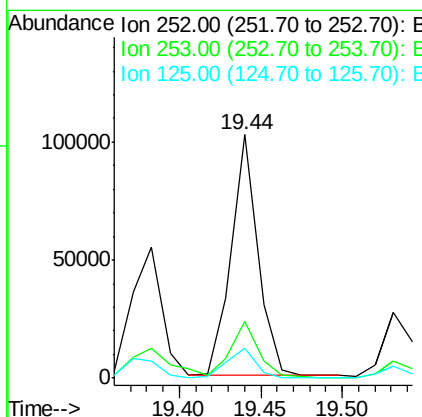
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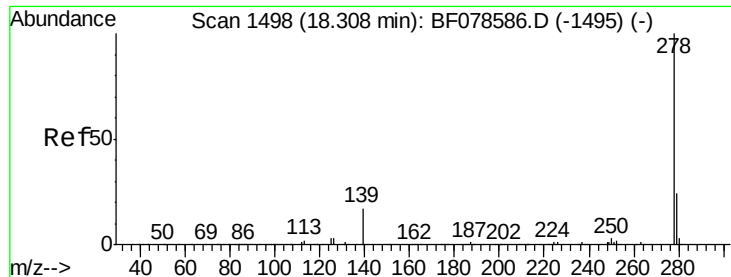
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#89
Benzo(a)pyrene
Concen: 15.85 ng/mL
RT: 19.44 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF078686.D
Acq: 21 Apr 2015 16:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.8	25.2
125	12.0	7.4	11.0





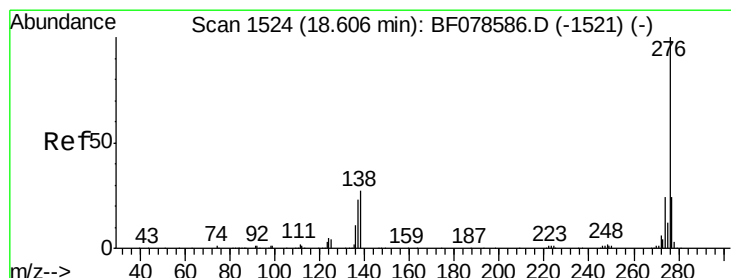
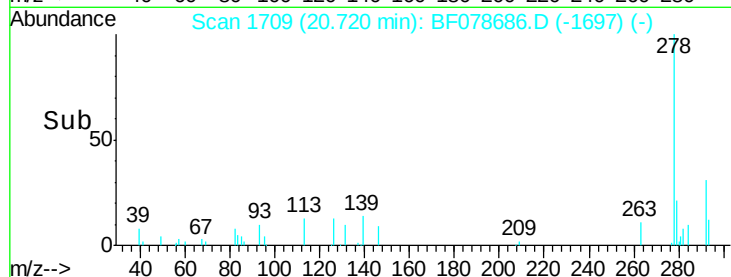
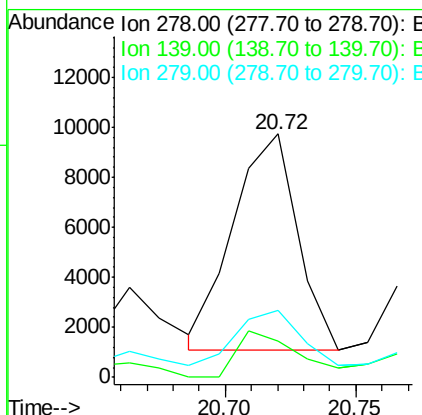
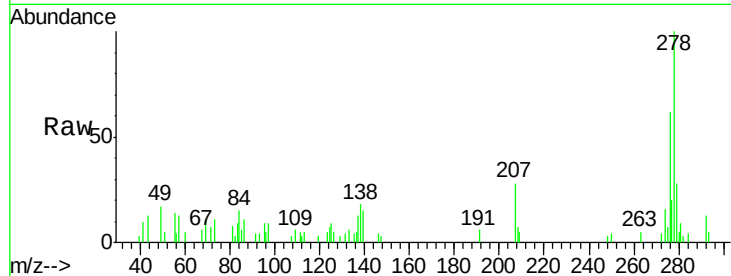
#90
Dibenzo(a,h)anthracene
Concen: 2.03 ng
RT: 20.72 min Scan# 1709
Delta R.T. 0.03 min
Lab File: BF078686.D
Acq: 21 Apr 2015 16:28

Instrument :
BNA_F
ClientSampleId :
SP-C-3DL

Tot Ion:278	Resp:	14862
Ion Ratio	Lower	Upper
278	100	
139	14.9	13.6 20.4
279	27.7	19.0 28.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 9.55 ng
RT: 21.02 min Scan# 1735
Delta R.T. 0.03 min
Lab File: BF078686.D
Acq: 21 Apr 2015 16:28

Tgt Ion:276	Resp:	69976
Ion Ratio	Lower	Upper
276	100	
277	23.9	19.0 28.4
138	21.7	19.9 29.9

