

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
 Data File : BF078671.D
 Acq On : 21 Apr 2015 6:56
 Operator : TP/IZ
 Sample : G1943-05 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-2

Manual Integrations
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Quant Time: Apr 21 07:44:31 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 16:32:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	32334	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	134643	20.00	ng	-0.01
38) Acenaphthene-d10	11.20	164	67269	20.00	ng	-0.01
63) Phenanthrene-d10	13.93	188	128055	20.00	ng	-0.01
75) Chrysene-d12	17.79	240	129370	20.00	ng	-0.01
86) Perylene-d12	19.50	264	128141	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.88	112	11248m	5.74	ng	0.01
7) Phenol-d6	5.37	99	15151m	6.16	ng	0.01
23) Nitrobenzene-d5	6.80	82	8273	3.72	ng	0.00
41) 2,4,6-Tribromophenol	12.69	330	2963	5.31	ng	0.00
44) 2-Fluorobiphenyl	10.02	172	21224	4.51	ng	-0.01
78) Terphenyl-d14	16.46	244	23239	4.06	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	13.98	178	198649	26.82	ng	99
71) Anthracene	14.07	178	52573	7.20	ng	100
72) Carbazole	14.40	167	18860	2.76	ng	96
74) Fluoranthene	15.86	202	424688	54.37	ng	97
77) Pyrene	16.17	202	419500	51.65	ng	# 95
80) Benzo(a)anthracene	17.78	228	213597	27.75	ng	98
82) Chrysene	17.83	228	173823	24.04	ng	98
85) Indeno(1,2,3-cd)pyrene	20.66	276	107413m	13.09	ng	
87) Benzo(b)fluoranthene	19.07	252	261396m	33.01	ng	
88) Benzo(k)fluoranthene	19.11	252	53533m	7.61	ng	
89) Benzo(a)pyrene	19.44	252	161745	23.40	ng	97
90) Dibenzo(a,h)anthracene	20.67	278	25054m	3.62	ng	
91) Benzo(a,h,i)perylene	20.98	276	104893	15.12	ng	94

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

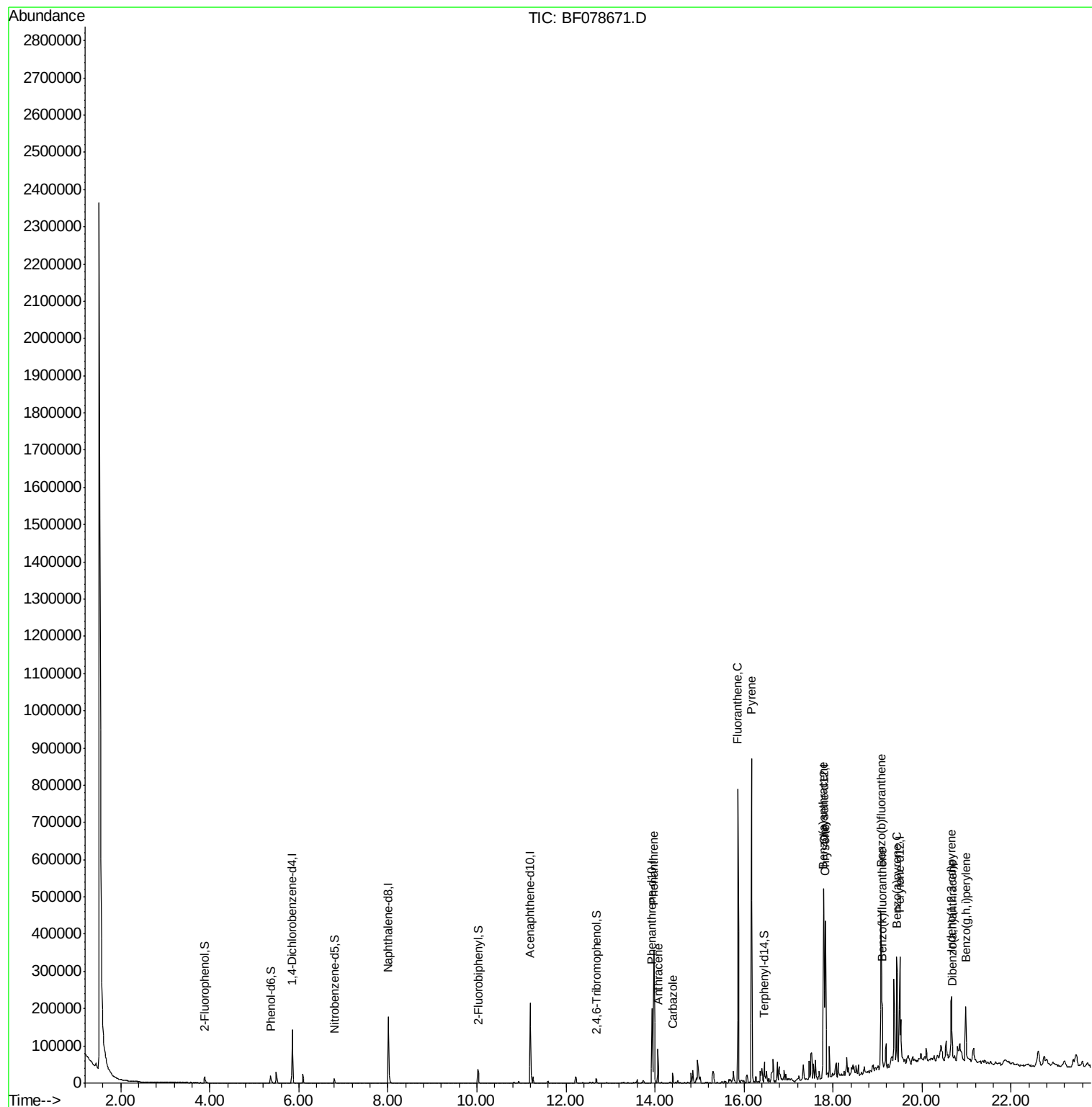
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
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ALS Vial : 24 Sample Multiplier: 1

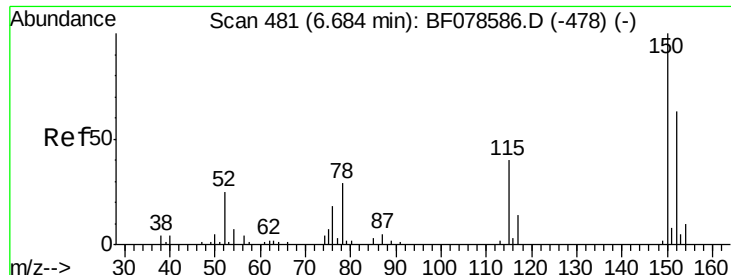
Instrument :
BNA_F
ClientSampleId :
SP-B-2

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#1

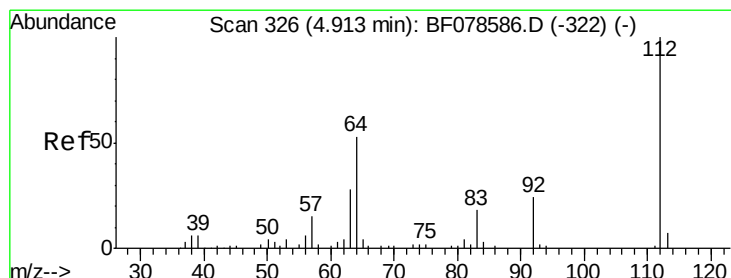
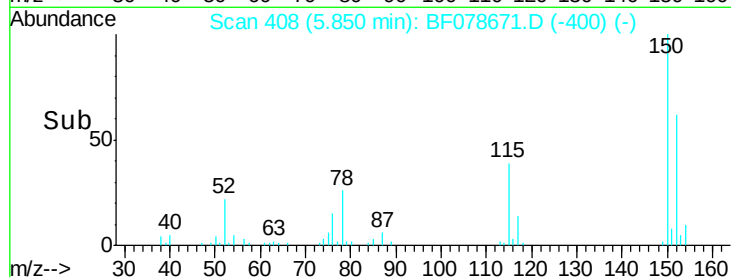
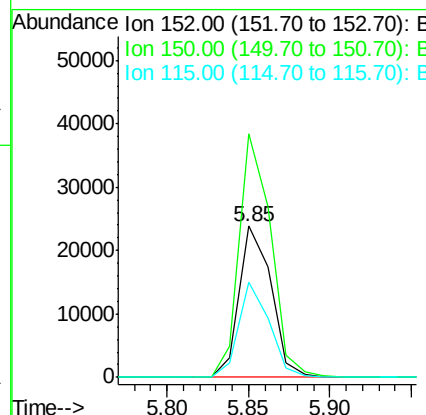
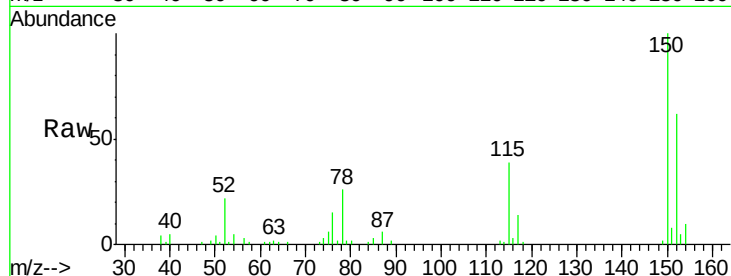
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 408
Delta R.T. -0.01 min
Lab File: BF078671.D
Acq: 21 Apr 2015 6:56

Instrument :
BNA_F
ClientSampled :
SP-B-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	125.9	188.9
115	63.1	52.7	79.1

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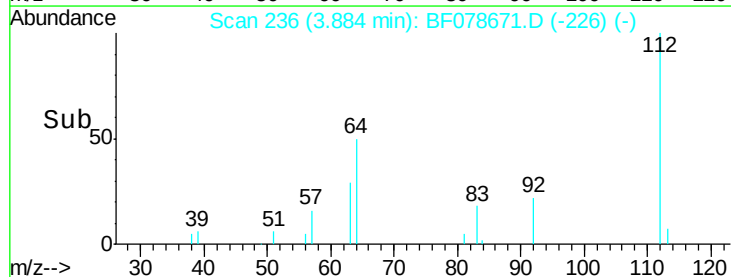
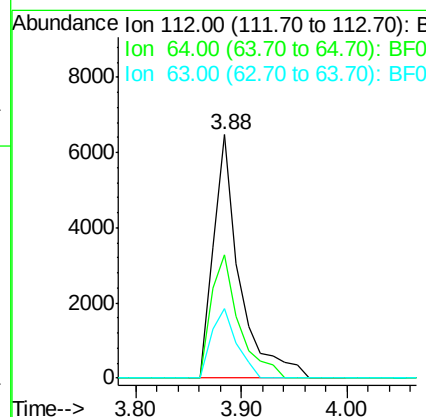
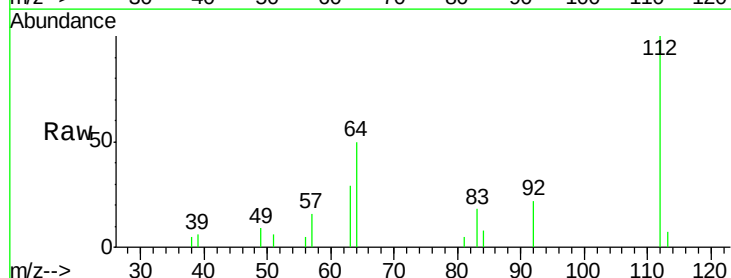
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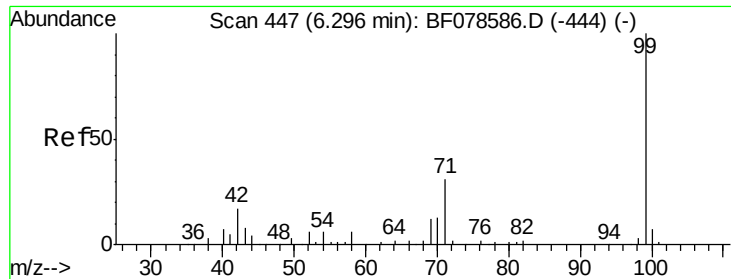


#5

2-Fluorophenol
Concen: 5.74 ng m
RT: 3.88 min Scan# 236
Delta R.T. 0.01 min
Lab File: BF078671.D
Acq: 21 Apr 2015 6:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.5	39.9	59.9
63	28.6	20.2	30.4





#7

Phenol-d6

Concen: 6.16 ng/mL

RT: 5.37 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Instrument :

BNA_F

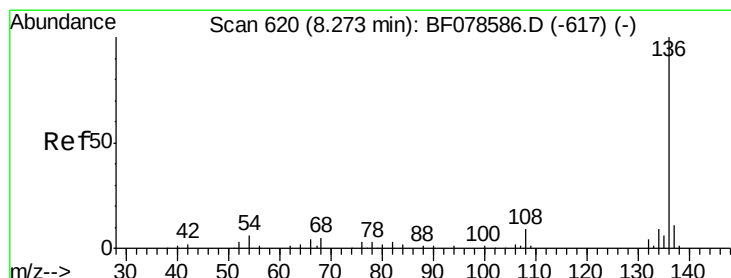
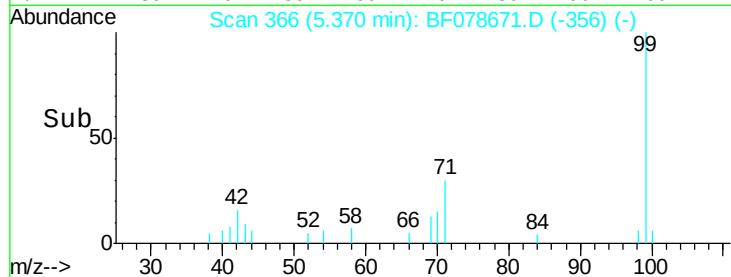
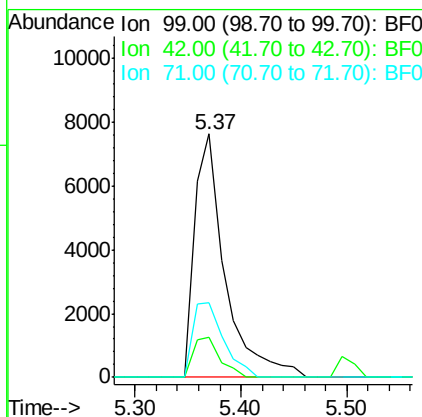
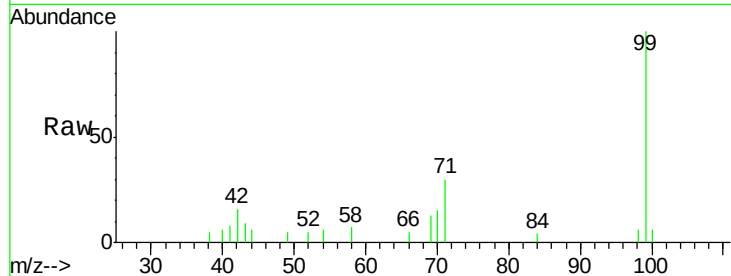
ClientSampled :

SP-B-2

Tot Ion:	99	Resp:	15151
Ion Ratio	Lower	Upper	
99	100		
42	16.3	14.8	22.2
71	30.4	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

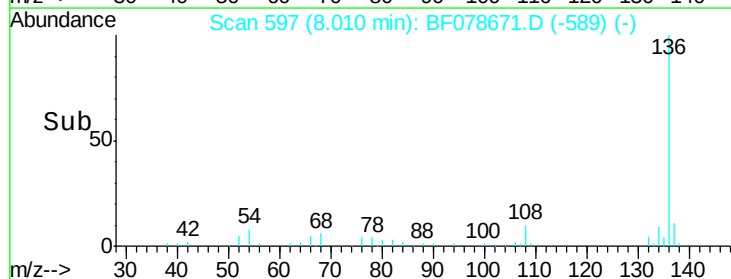
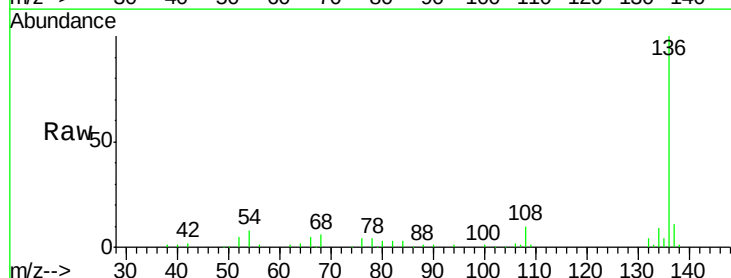
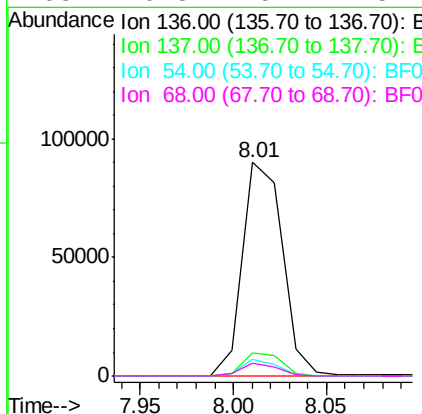
RT: 8.01 min Scan# 597

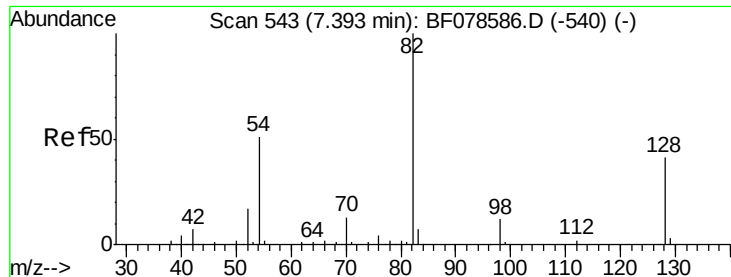
Delta R.T. -0.01 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Tgt Ion:	136	Resp:	134643
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	7.9	7.0	10.6
68	6.3	5.4	8.2





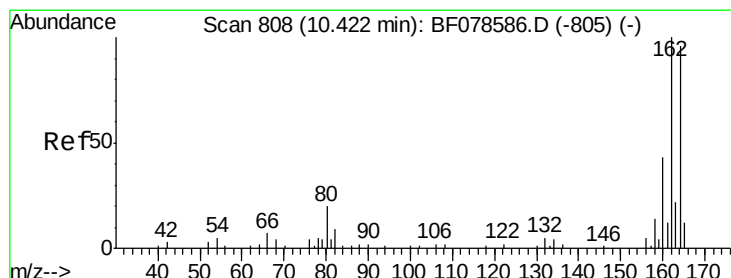
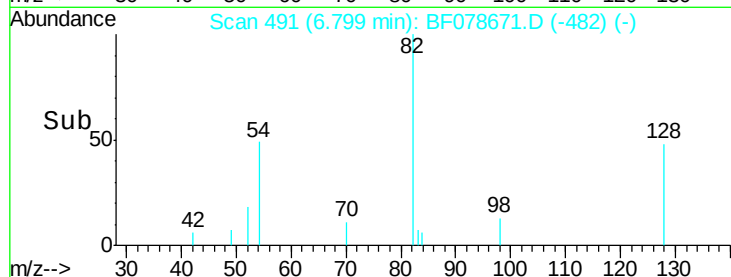
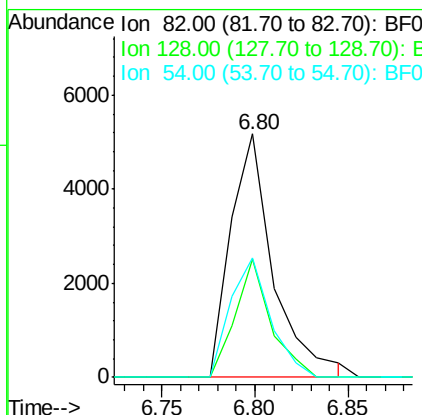
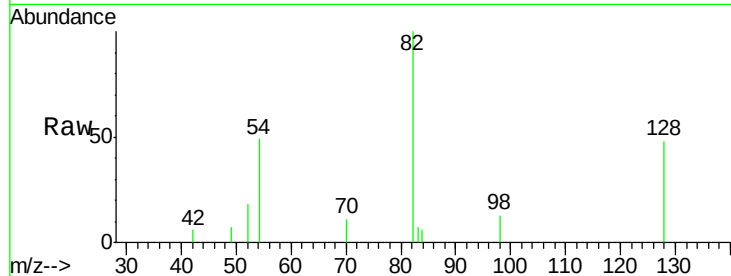
#23
 Nitrobenzene-d5
 Concen: 3.72 ng
 RT: 6.80 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	31.8	47.8#
54	48.9	41.5	62.3

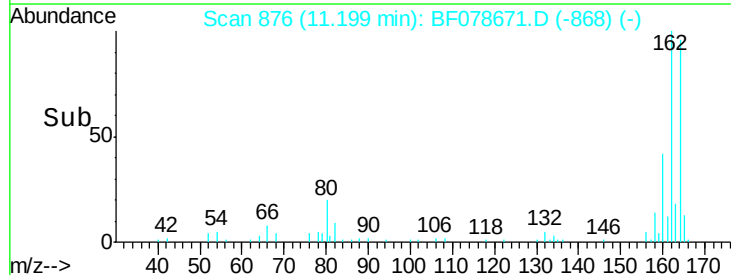
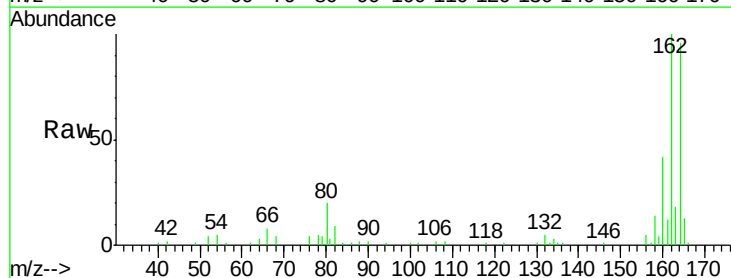
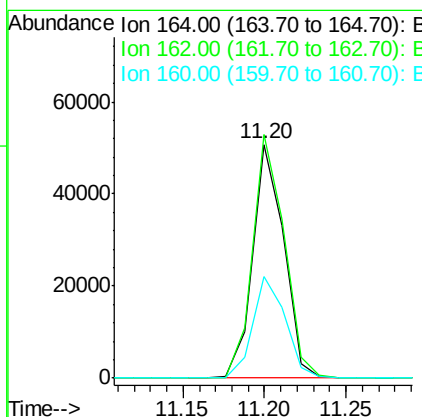
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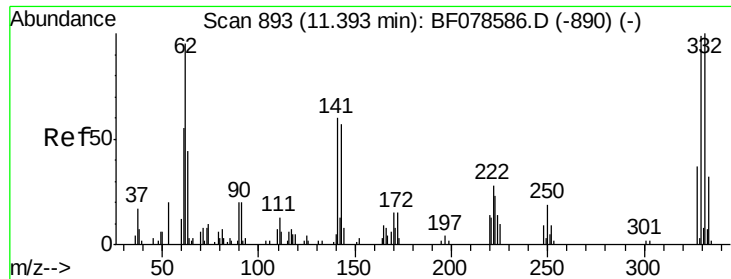
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.2	123.2
160	43.4	34.7	52.1





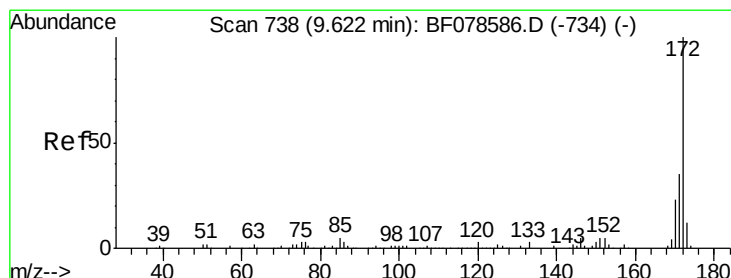
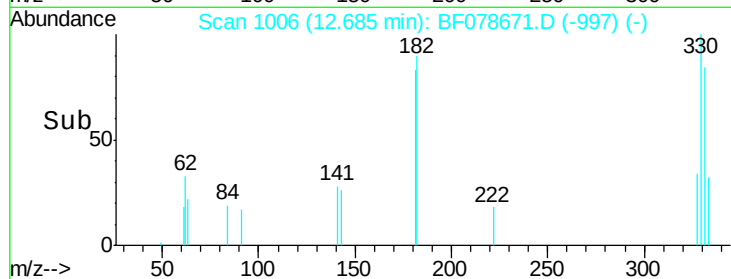
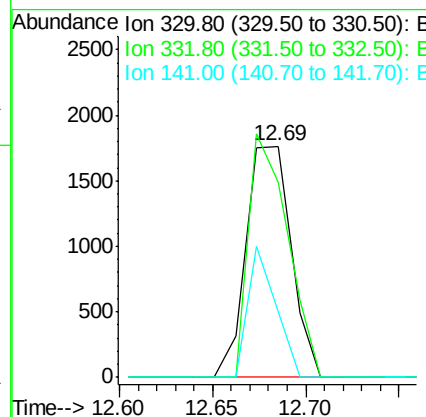
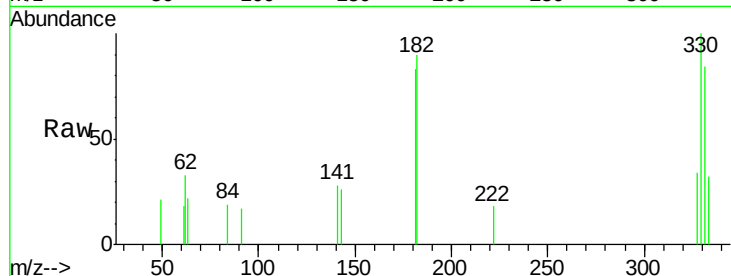
#41
 2,4,6-Tribromophenol
 Concen: 5.31 ng
 RT: 12.69 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

Instrument :
 BNA_F
 ClientSampled :
 SP-B-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	91.2	78.6	117.8
141	34.7	31.2	46.8

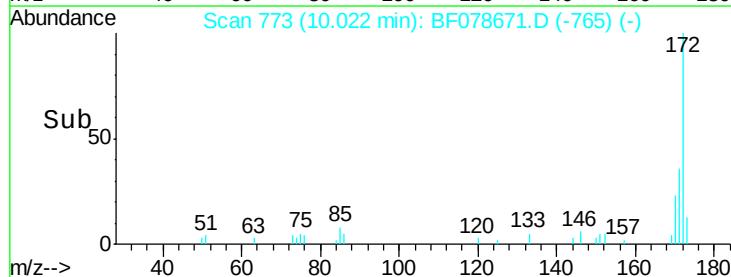
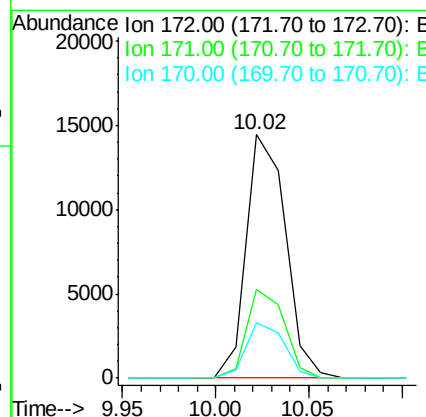
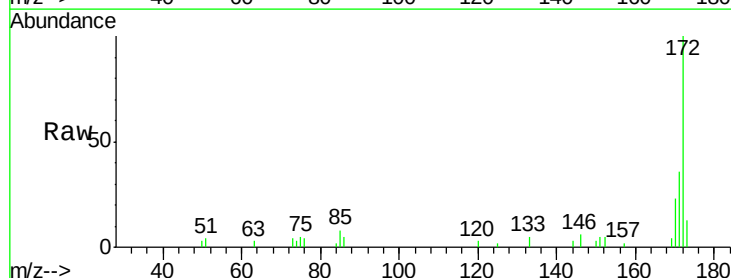
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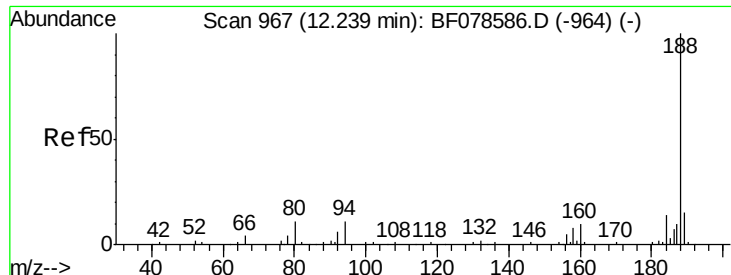
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#44
 2-Fluorobiphenyl
 Concen: 4.51 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	42.8
170	22.9	18.5	27.7





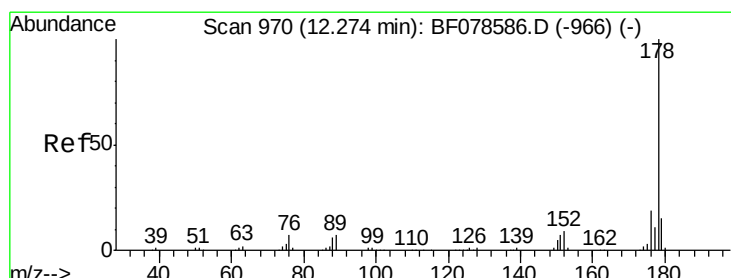
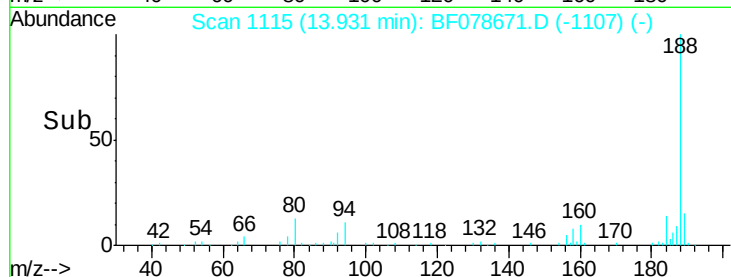
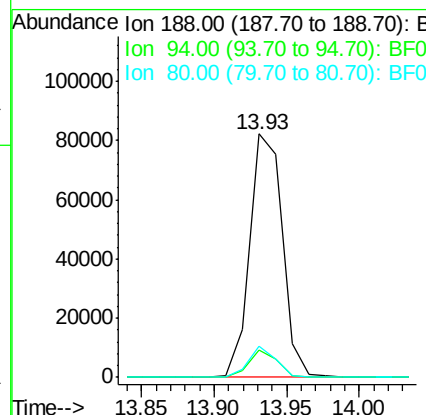
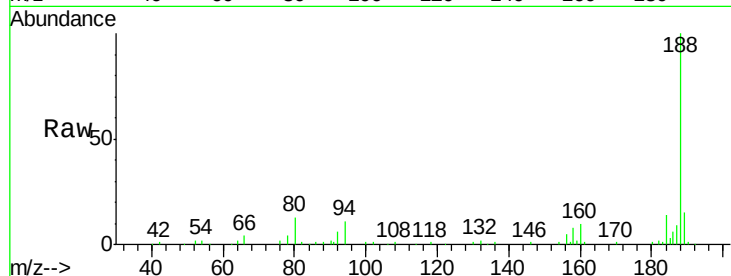
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.93 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BF078671.D
Acq: 21 Apr 2015 6:56

Instrument :
BNA_F
ClientSampled :
SP-B-2

Tot Ion:	188	Resp:	128055
Ion Ratio	Lower	Upper	
188	100		
94	11.1	9.0	13.4
80	12.5	9.5	14.3

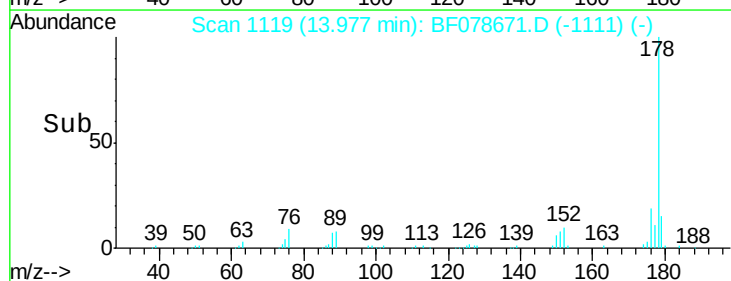
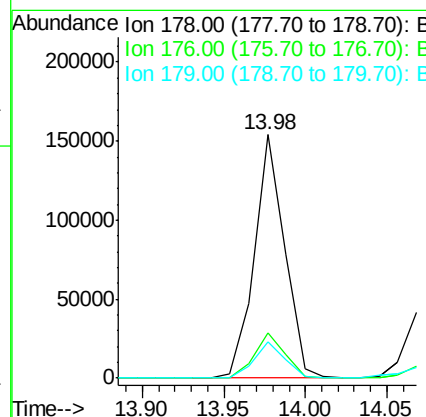
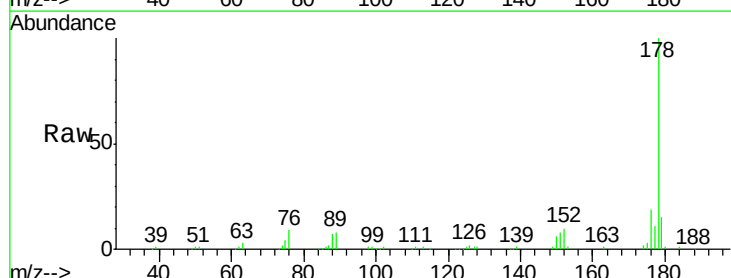
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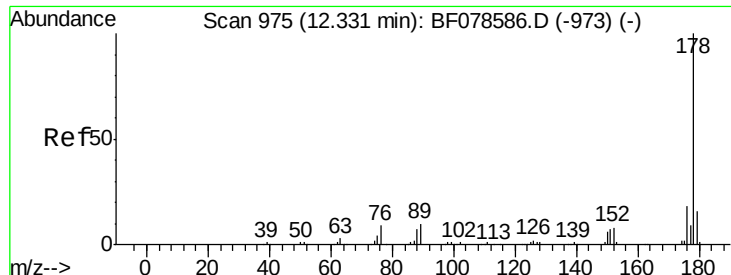
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#70
Phenanthrene
Concen: 26.82 ng
RT: 13.98 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF078671.D
Acq: 21 Apr 2015 6:56

Tgt Ion:	178	Resp:	198649
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.4	23.0
179	15.1	12.2	18.2





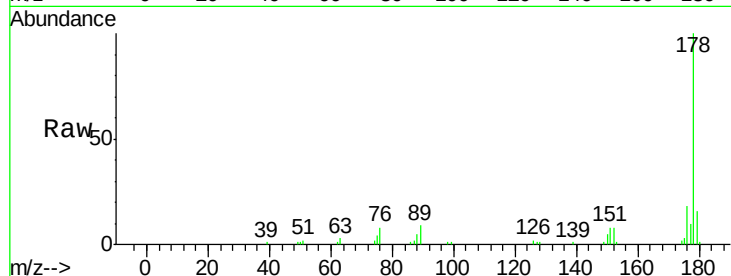
#71
 Anthracene
 Concen: 7.20 ng
 RT: 14.07 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-2

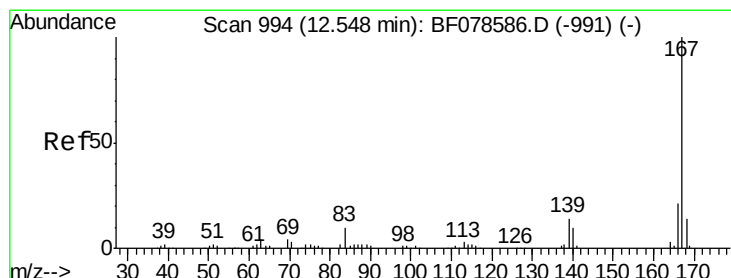
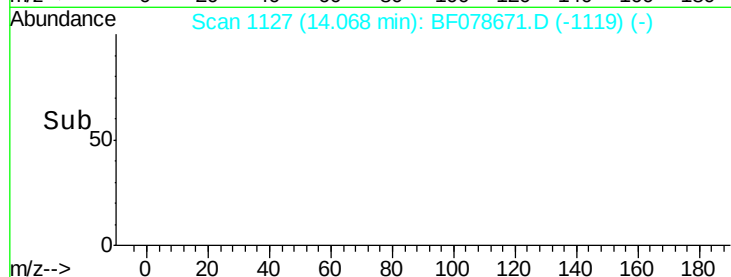
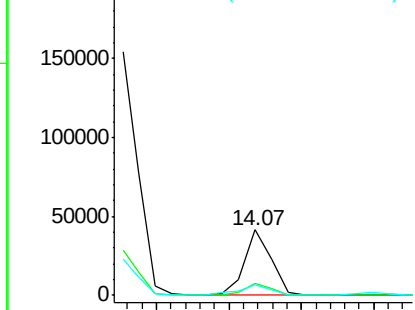
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.6	12.4	18.6

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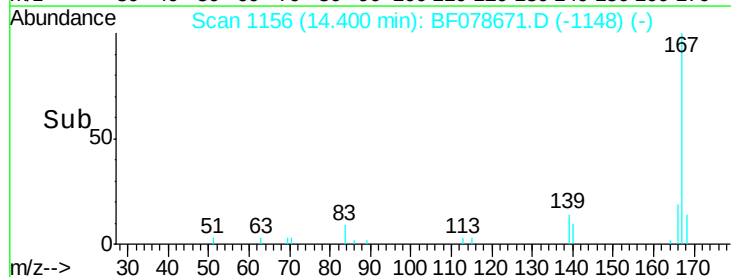
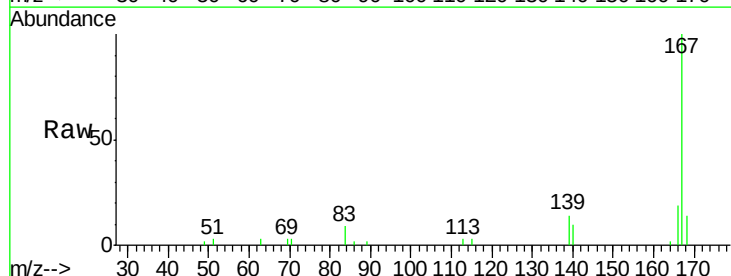
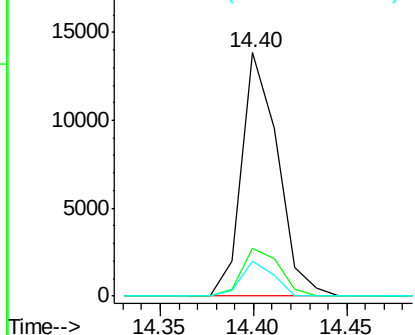
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

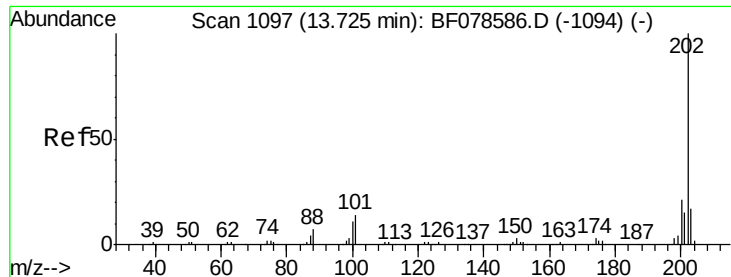


#72
 Carbazole
 Concen: 2.76 ng
 RT: 14.40 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.5	16.8	25.2
139	14.2	10.0	15.0

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 54.37 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Instrument :

BNA_F

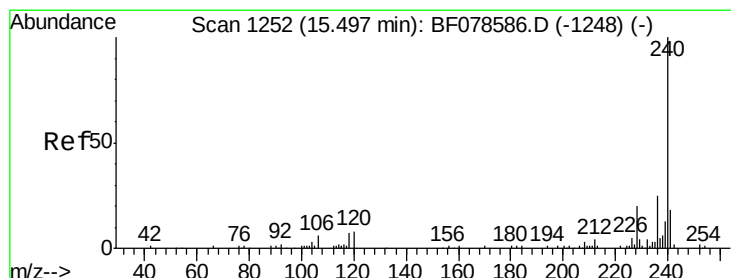
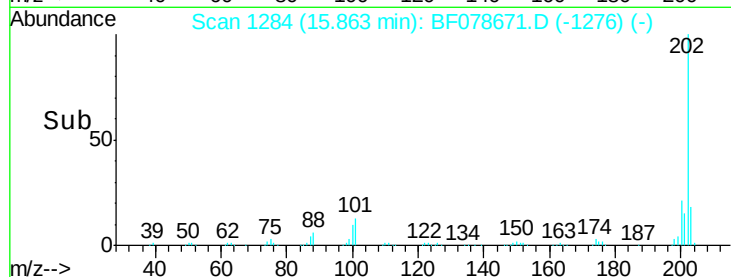
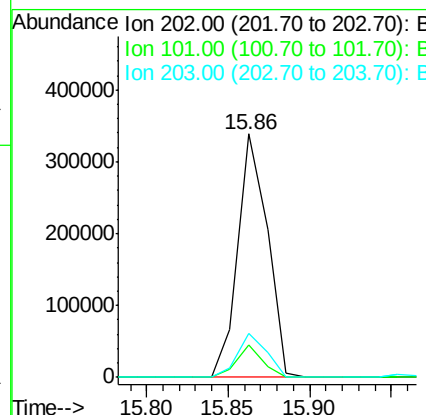
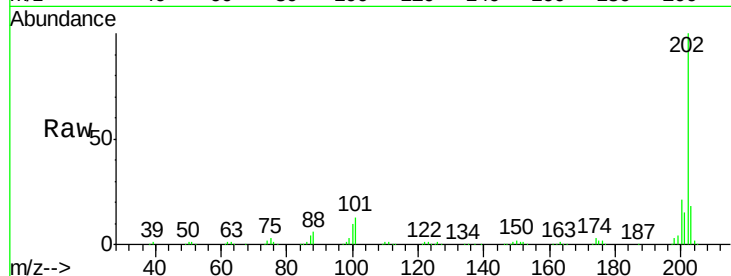
ClientSampleId :

SP-B-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.3	0.0	35.2
203	17.9	0.0	38.5

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#75

Chrysene-d12

Concen: 20.00 ng

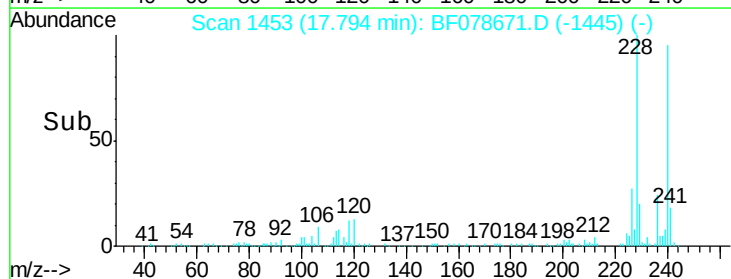
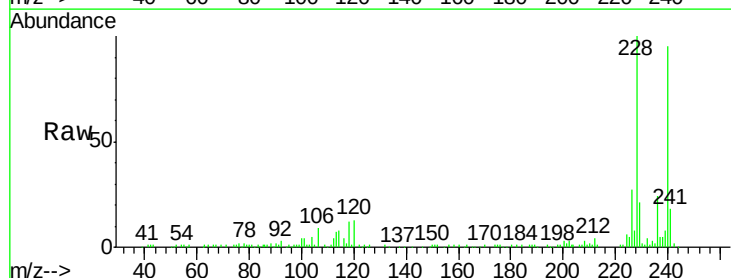
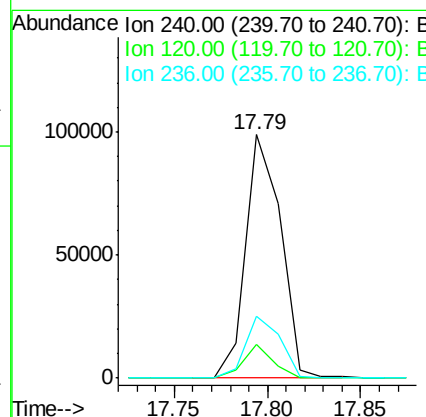
RT: 17.79 min Scan# 1453

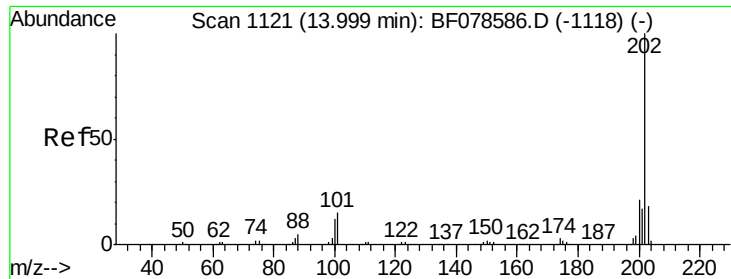
Delta R.T. -0.01 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.8	7.1	10.7#
236	25.6	21.4	32.2





#77

Pvrene

Concen: 51.65 ng

RT: 16.17 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Instrument :

BNA_F

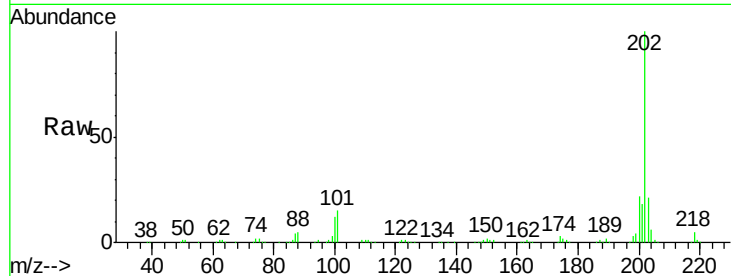
ClientSampleId :

SP-B-2

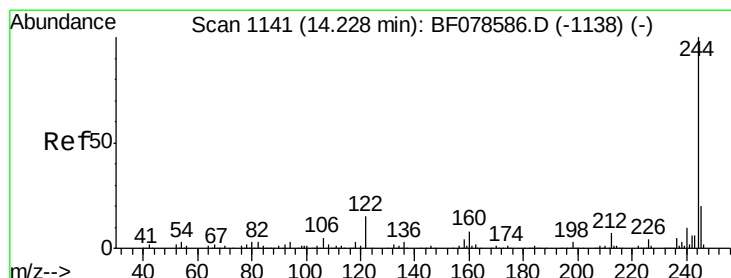
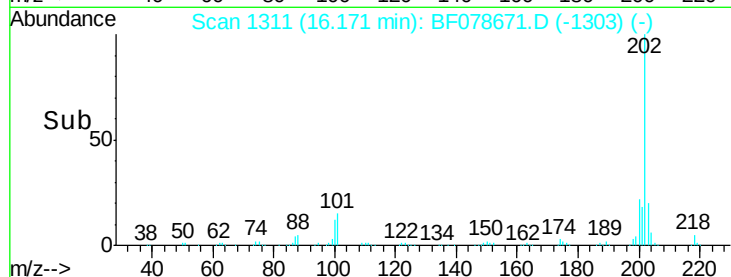
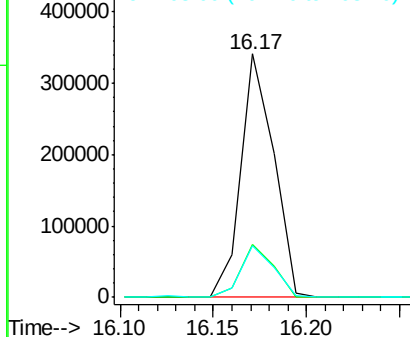
Tot Ion:	202	Resp:	419500
Ion Ratio		Lower	Upper
202	100		
200	21.6	16.3	24.5
203	21.1	13.8	20.6

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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: 4.06 ng

RT: 16.46 min Scan# 1336

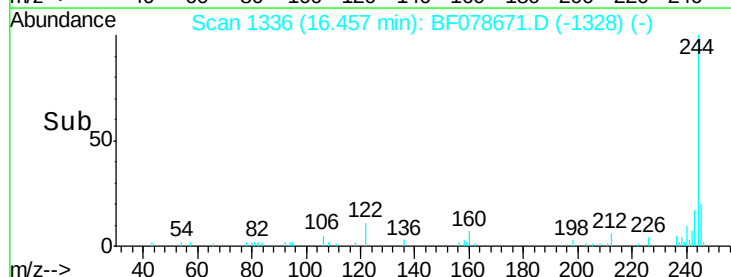
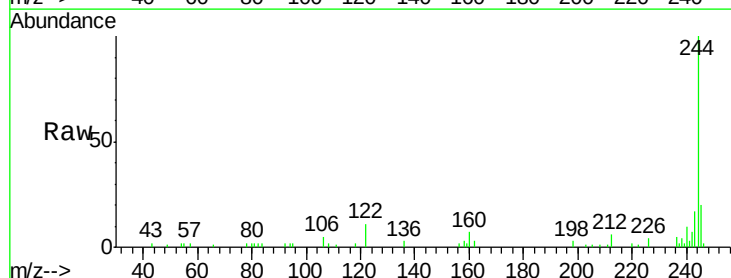
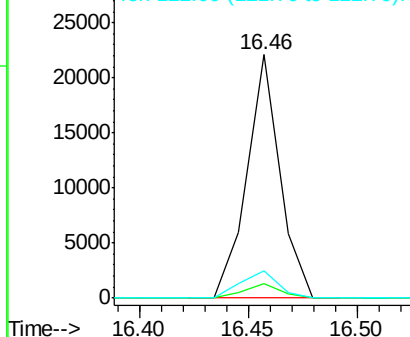
Delta R.T. -0.01 min

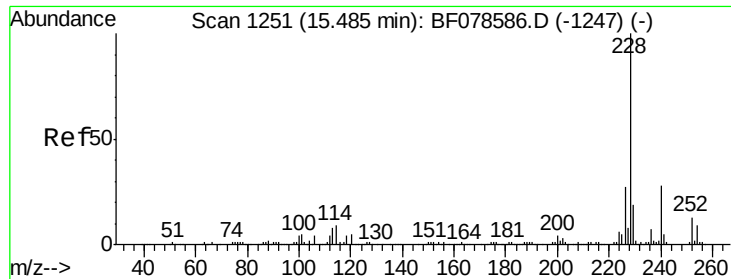
Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Tgt Ion:	244	Resp:	23239
Ion Ratio		Lower	Upper
244	100		
212	5.9	5.0	7.4
122	11.1	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





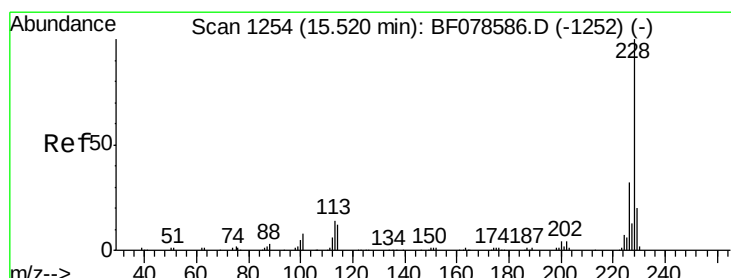
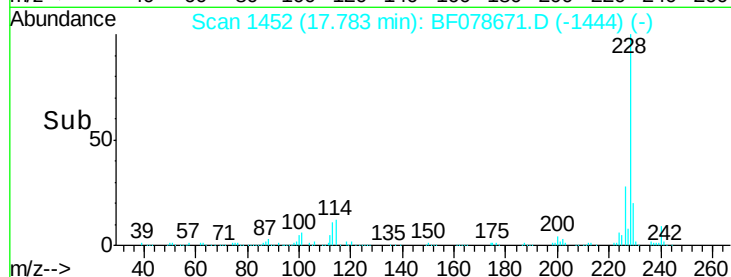
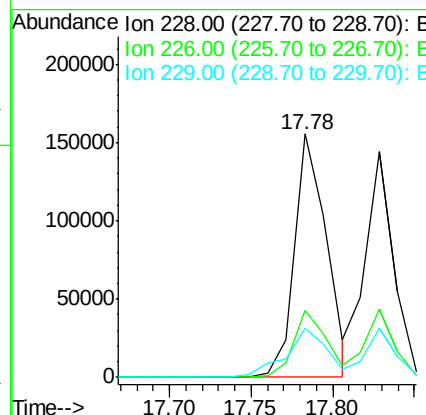
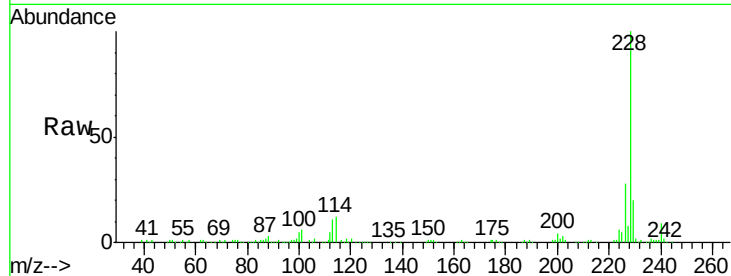
#80
Benzo(a)anthracene
Concen: 27.75 ng
RT: 17.78 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF078671.D
Acq: 21 Apr 2015 6:56

Instrument :
BNA_F
ClientSampleId :
SP-B-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.3	31.9
229	20.1	15.4	23.2

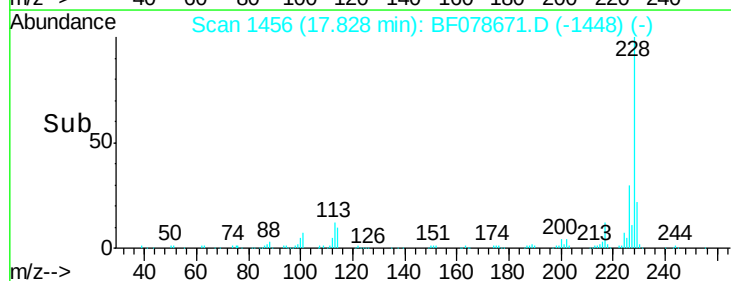
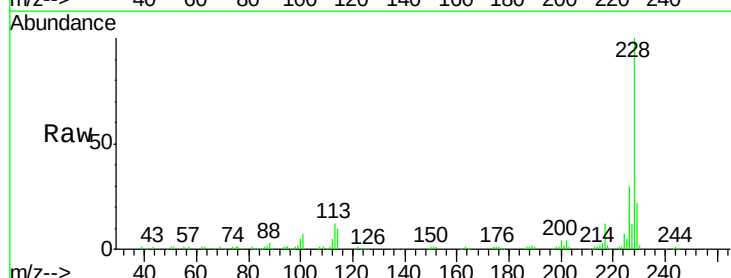
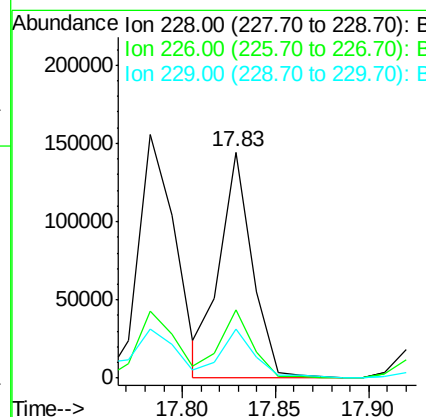
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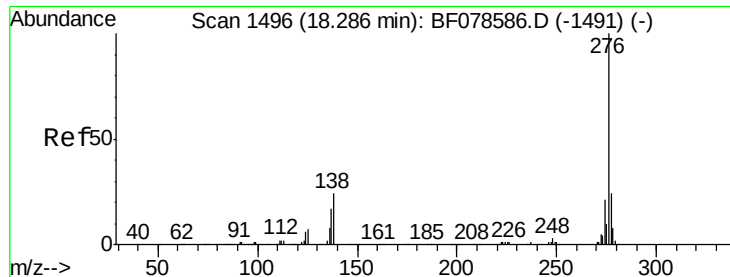
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4/21/2015 5:04:25 PM



#82
Chrysene
Concen: 24.04 ng
RT: 17.83 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF078671.D
Acq: 21 Apr 2015 6:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.4
229	21.7	15.8	23.8





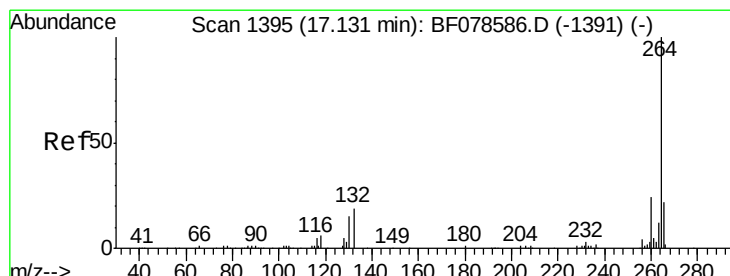
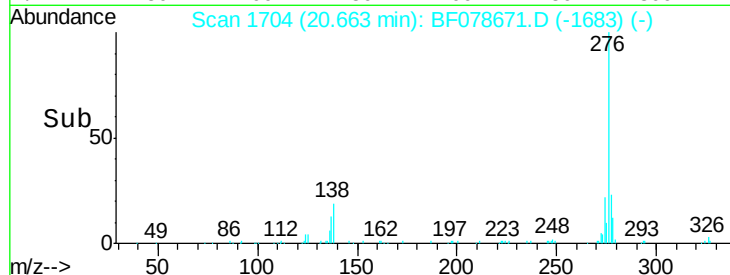
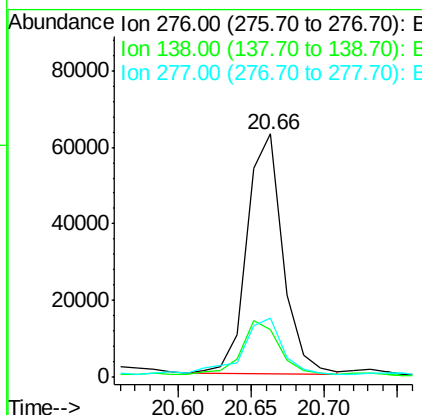
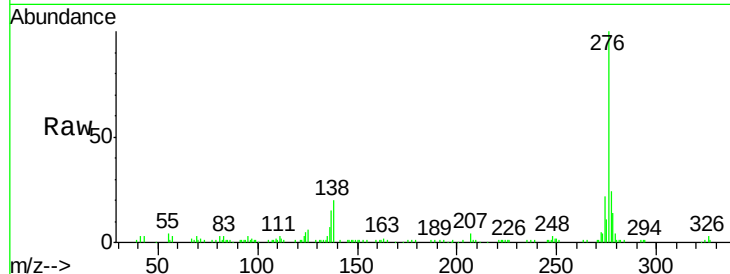
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.09 ng/mL
 RT: 20.66 min Scan# 1704
 Delta R.T. -0.06 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.7	16.9	25.3#
277	4.4	15.8	23.6#

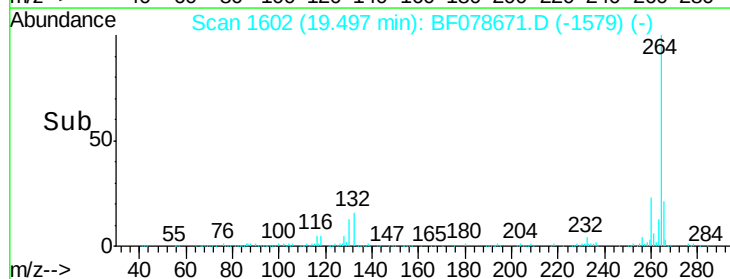
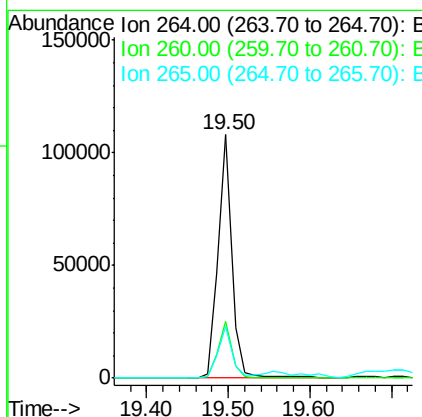
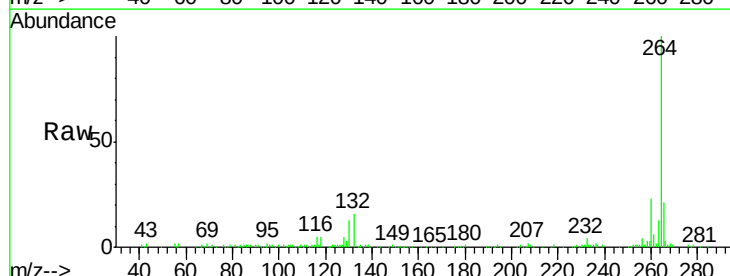
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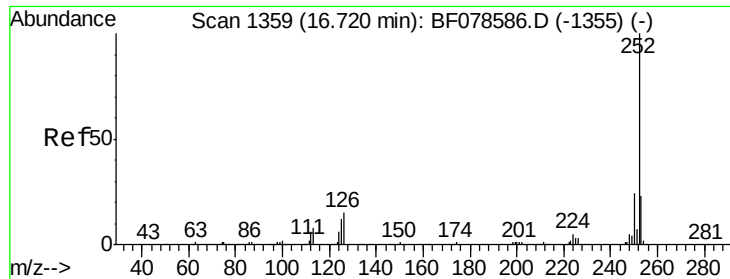
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.50 min Scan# 1602
 Delta R.T. -0.03 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.3	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 33.01 ng m

RT: 19.07 min Scan# 1565

Delta R.T. -0.02 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Instrument :

BNA_F

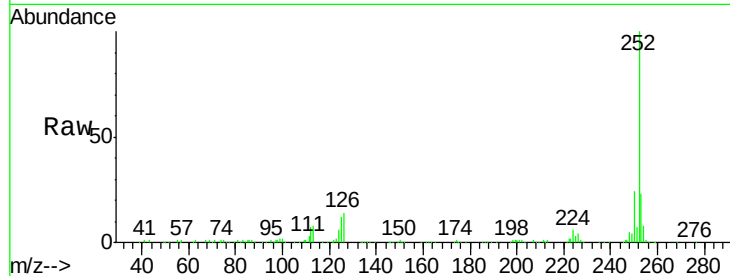
ClientSampleId :

SP-B-2

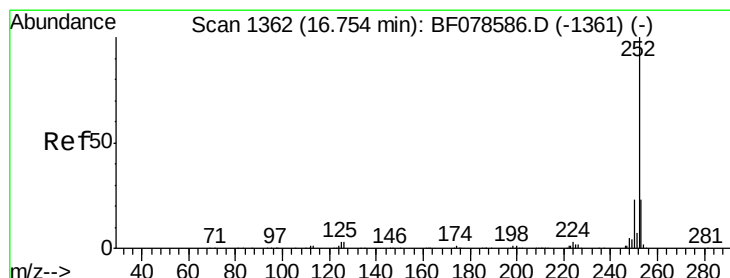
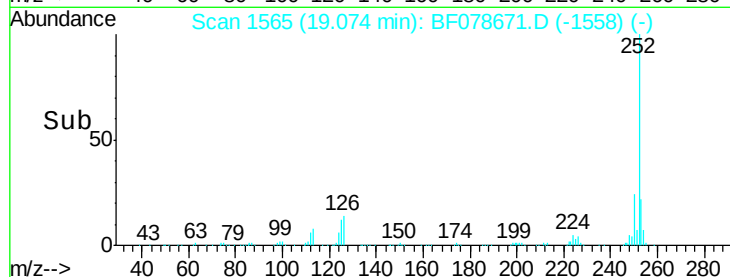
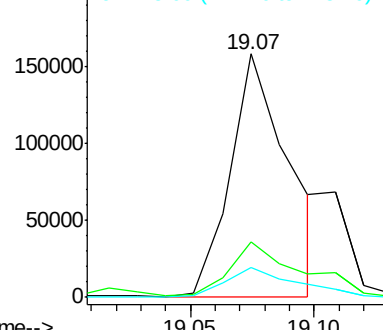
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	12.1	7.0	10.4

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.61 ng m

RT: 19.11 min Scan# 1568

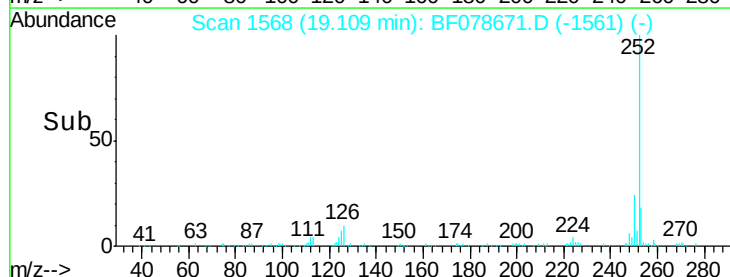
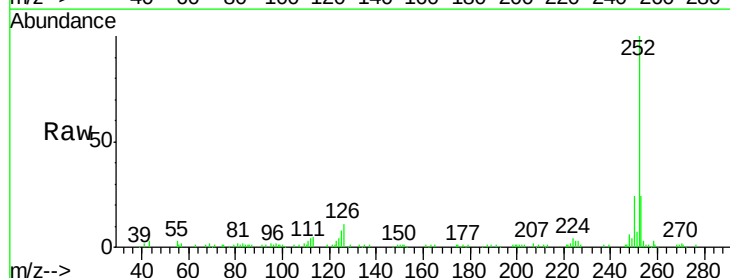
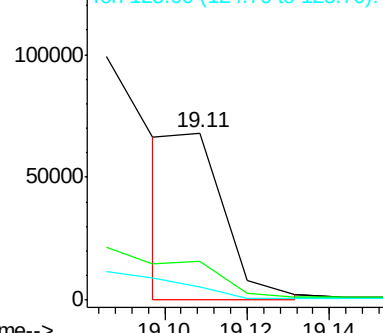
Delta R.T. -0.02 min

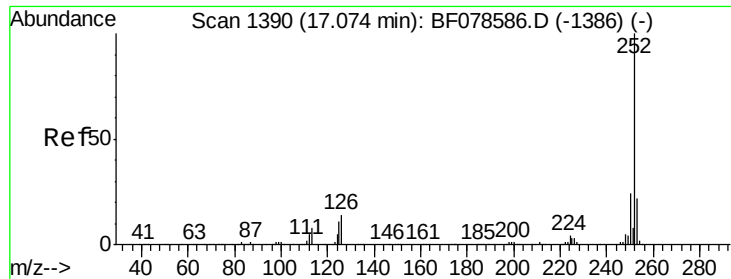
Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	8.2	11.6	17.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





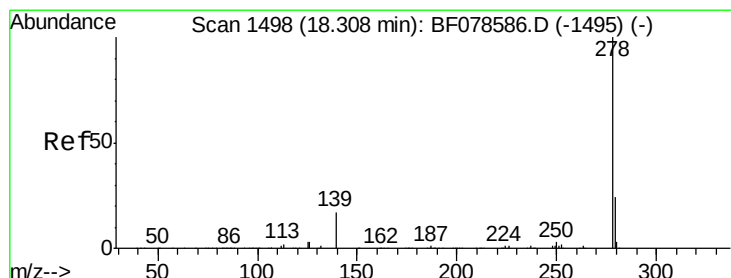
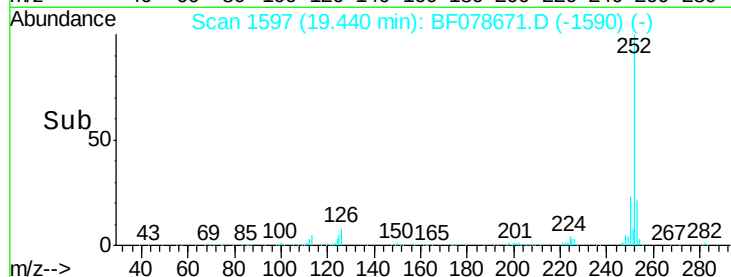
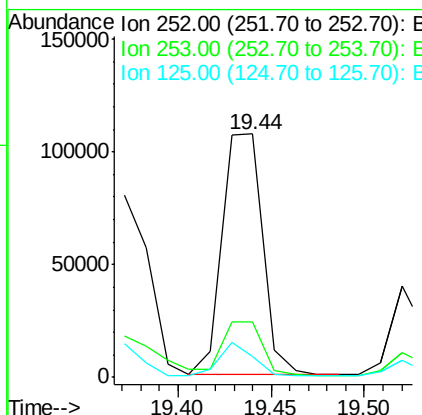
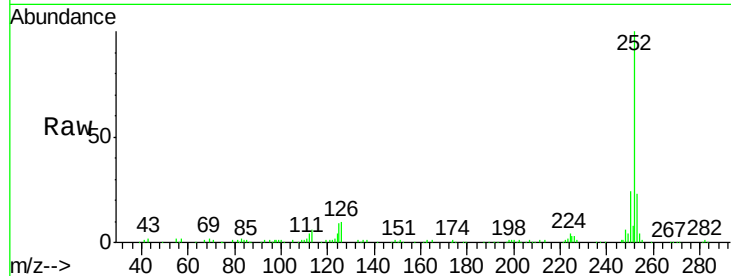
#89
Benzo(a)pyrene
Concen: 23.40 ng
RT: 19.44 min Scan# 1597
Delta R.T. -0.02 min
Lab File: BF078671.D
Acq: 21 Apr 2015 6:56

Instrument :
BNA_F
ClientSampled :
SP-B-2

Tot Ion:	252	Resp:	161745
Ion Ratio	Lower	Upper	
252	100		
253	22.5	16.8	25.2
125	8.7	7.4	11.0

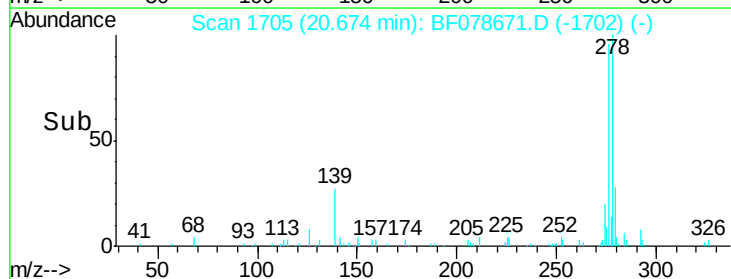
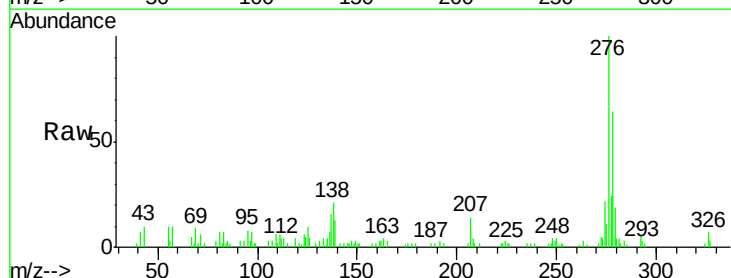
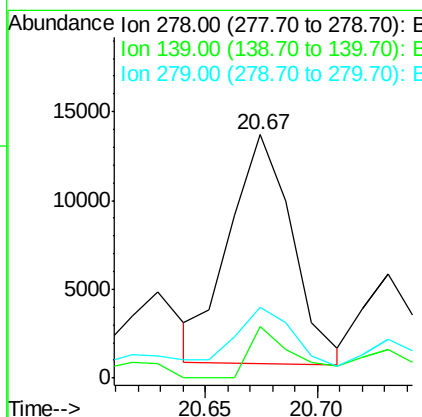
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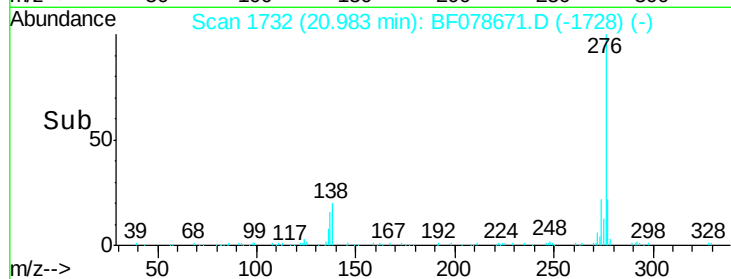
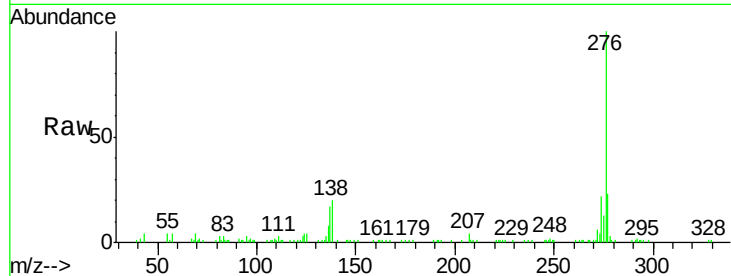
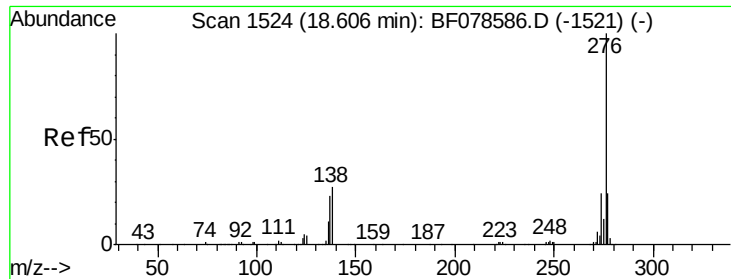
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#90
Dibenzo(a,h)anthracene
Concen: 3.62 ng m
RT: 20.67 min Scan# 1705
Delta R.T. -0.07 min
Lab File: BF078671.D
Acq: 21 Apr 2015 6:56

Tgt Ion:	278	Resp:	25054
Ion Ratio	Lower	Upper	
278	100		
139	21.0	13.6	20.4#
279	28.9	19.0	28.6#





#91

Benzo(a,h,i)perylene

Concen: 15.12 ng

RT: 20.98 min Scan# 1732

Delta R.T. -0.06 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Instrument :

BNA_F

ClientSampleId :

SP-B-2

Tot Ion:	276	Resp:	104893
Ion Ratio	Lower	Upper	
276	100		
277	22.8	19.0	28.4
138	20.0	19.9	29.9

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