

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012015\
 Data File : BF076985.D
 Acq On : 21 Jan 2015 5:22
 Operator : IZ / TP
 Sample : G1076-01DL 5X
 Misc : W
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1DL

Manual Integrations
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Quant Time: Jan 21 10:51:33 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 21 04:28:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	24868	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	111622	20.00	ng	-0.01
38) Acenaphthene-d10	14.95	164	57218	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	98509	20.00	ng	-0.01
75) Chrysene-d12	21.24	240	92287	20.00	ng	0.00
86) Perylene-d12	22.88	264	89821	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.97	112	33766	22.32	ng	0.01
7) Phenol-d6	7.32	99	47746	25.02	ng	0.00
23) Nitrobenzene-d5	9.20	82	29024	14.41	ng	-0.01
41) 2,4,6-Tribromophenol	16.63	330	6376	13.73	ng	-0.01
44) 2-Fluorobiphenyl	13.47	172	57527	15.30	ng	-0.01
78) Terphenyl-d14	19.96	244	58110	14.50	ng	-0.01
Target Compounds						Qvalue
51) Acenaphthene	15.02	154	15551	4.66	ng	97
54) Dibenzofuran	15.44	168	12963	2.66	ng	95
57) Fluorene	16.17	166	15370	3.73	ng	# 83
59) Diethylphthalate	16.16	149	9143	2.23	ng	# 93
70) Phenanthrene	17.76	178	222227	36.17	ng	99
71) Anthracene	17.84	178	51752	8.64	ng	98
72) Carbazole	18.13	167	15307	2.63	ng	97
74) Fluoranthene	19.41	202	329398	52.33	ng	98
77) Pyrene	19.69	202	284223	44.94	ng	# 95
80) Benzo(a)anthracene	21.23	228	143807	24.84	ng	98
82) Chrysene	21.26	228	130375m	24.69	ng	
85) Indeno(1,2,3-cd)pyrene	23.99	276	73823m	13.19	ng	
87) Benzo(b)fluoranthene	22.47	252	173281m	28.64	ng	
88) Benzo(k)fluoranthene	22.51	252	40404m	7.64	ng	
89) Benzo(a)pyrene	22.83	252	107670	20.18	ng	98
90) Dibenzo(a,h)anthracene	24.01	278	16714m	3.41	ng	
91) Benzo(a,h,i)perylene	24.29	276	65802	13.52	ng	95

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

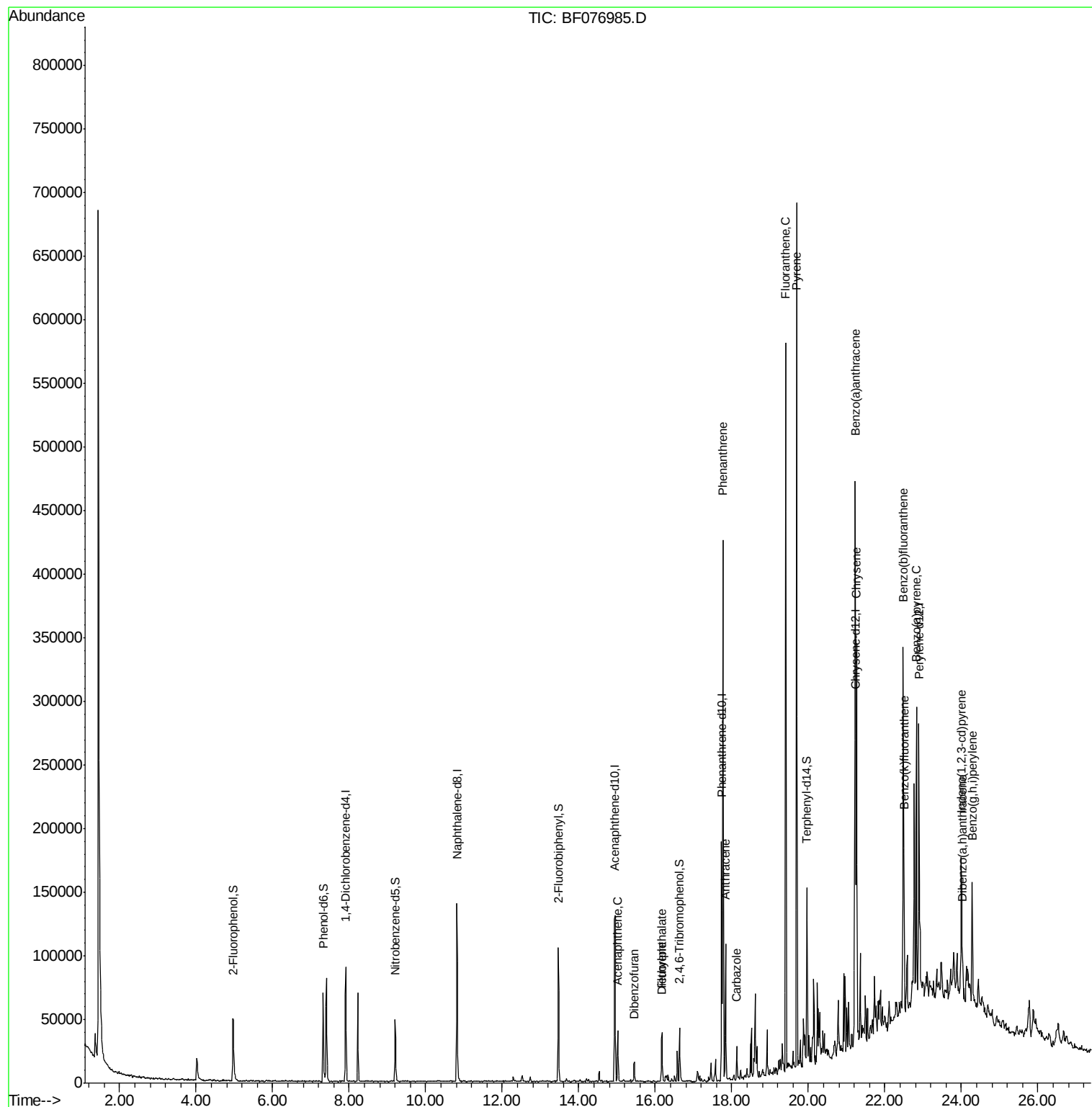
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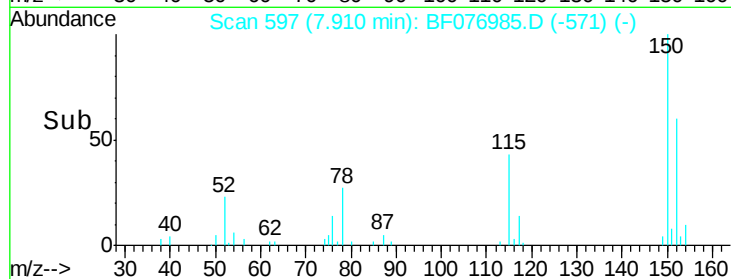
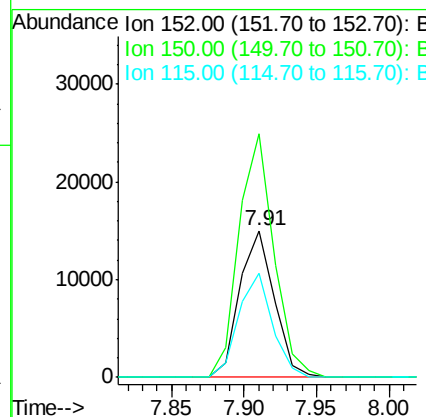
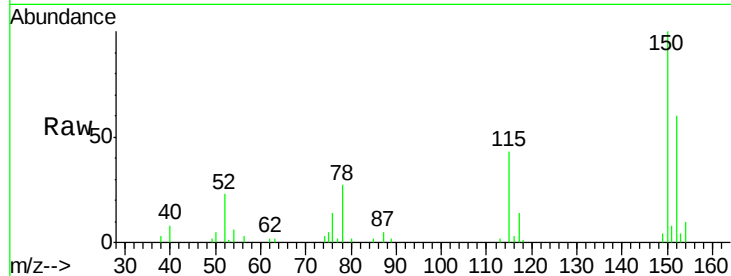
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.91 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: BF076985.D
 Acq: 21 Jan 2015 5:22

Instrument :
 BNA_F
 ClientSampleId :
 SP-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.3	121.7	182.5
115	70.9	47.0	70.6

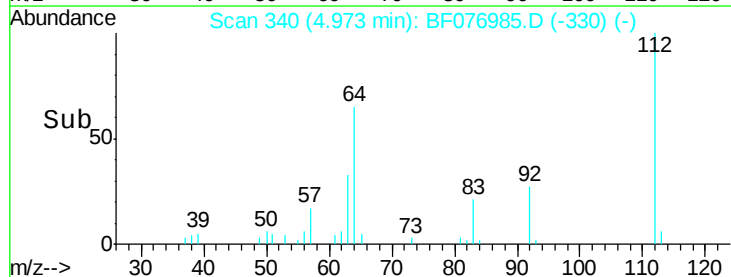
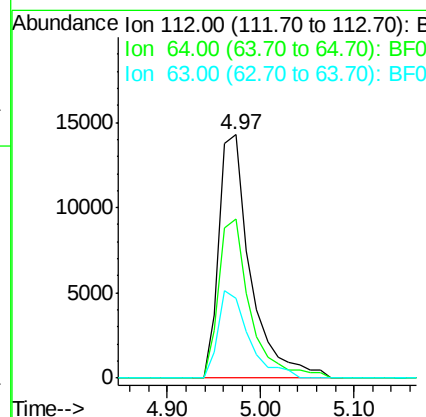
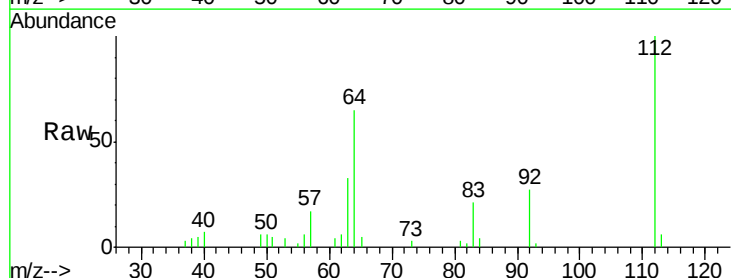
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#5
 2-Fluorophenol
 Concen: 22.32 ng
 RT: 4.97 min Scan# 340
 Delta R.T. 0.01 min
 Lab File: BF076985.D
 Acq: 21 Jan 2015 5:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	54.2	81.4
63	32.9	28.4	42.6





#7

Phenol-d6

Concen: 25.02 ng

RT: 7.32 min Scan# 545

Delta R.T. 0.00 min

Lab File: BF076985.D

Acq: 21 Jan 2015 5:22

Instrument :

BNA_F

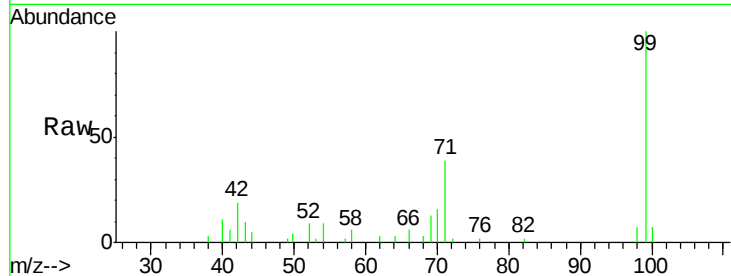
ClientSampleId :

SP-1DL

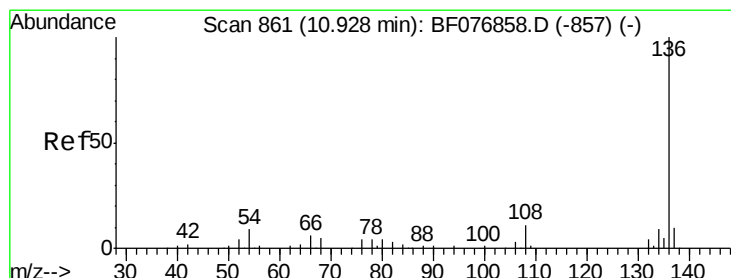
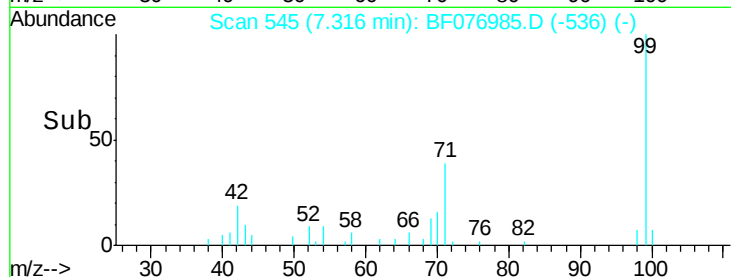
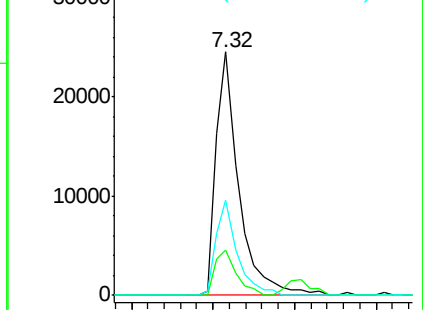
Tot Ion:	99	Resp:	47746
Ion Ratio	Lower	Upper	
99	100		
42	18.7	15.0	22.4
71	39.2	30.5	45.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.81 min Scan# 851

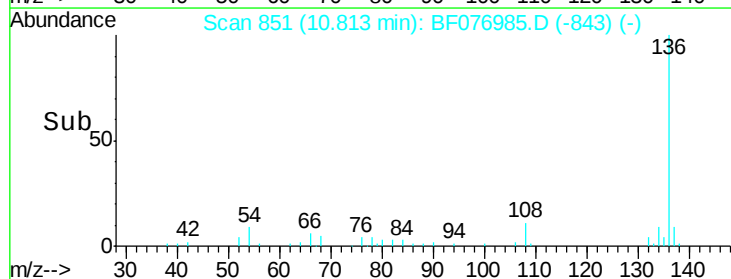
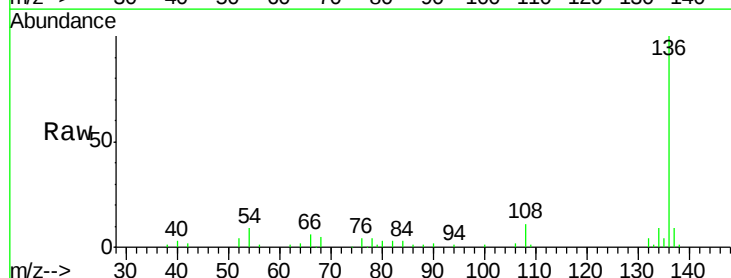
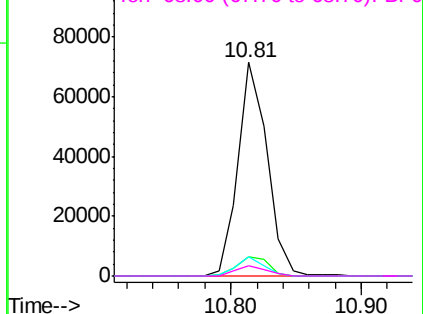
Delta R.T. -0.01 min

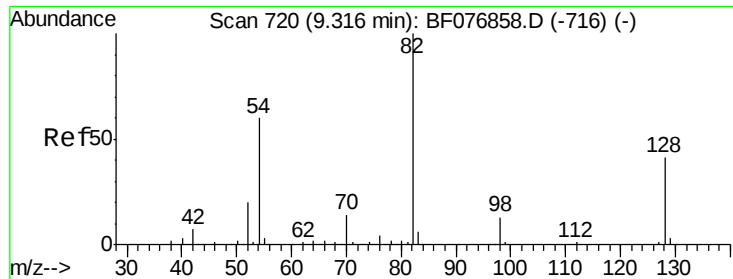
Lab File: BF076985.D

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Tgt Ion:	136	Resp:	111622
Ion Ratio	Lower	Upper	
136	100		
137	9.3	8.1	12.1
54	9.0	7.0	10.4
68	4.7	3.7	5.5

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





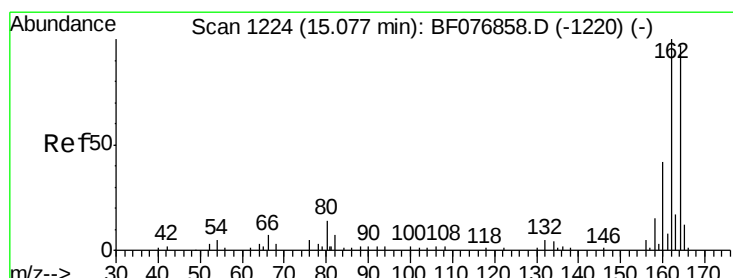
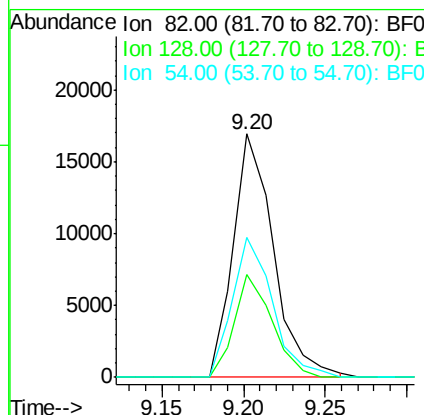
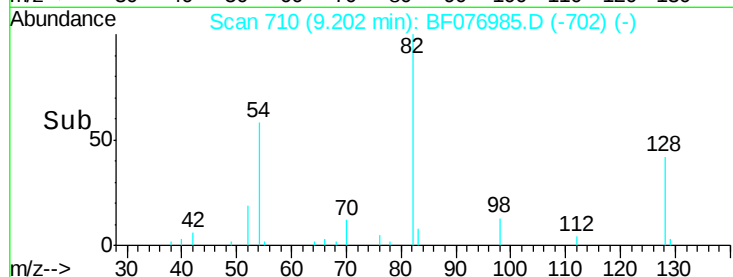
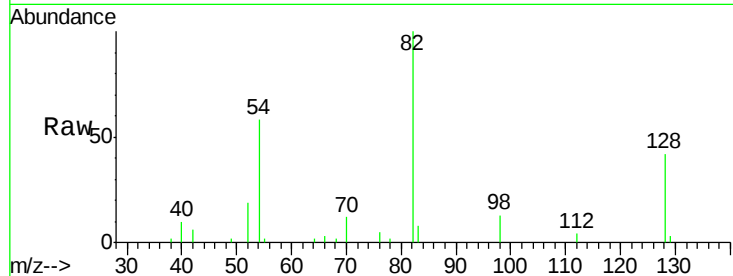
#23
Nitrobenzene-d5
Concen: 14.41 ng
RT: 9.20 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Instrument :
BNA_F
ClientSampleId :
SP-1DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.1	49.7
54	57.7	48.3	72.5

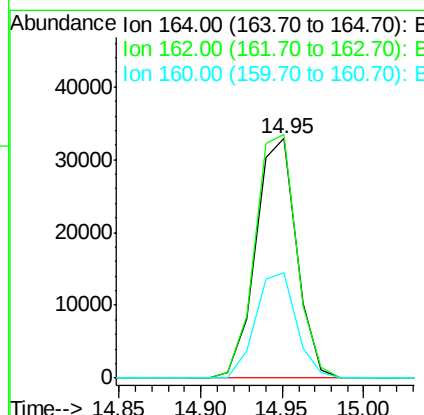
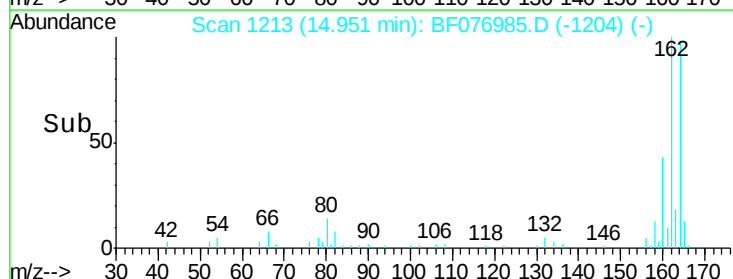
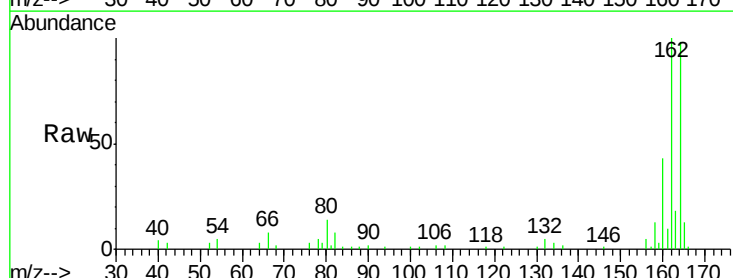
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.95 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.4	123.6
160	43.8	34.8	52.2





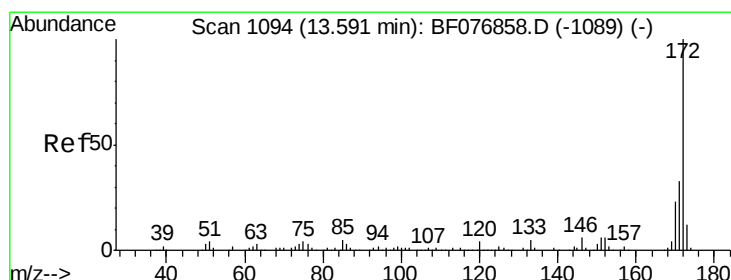
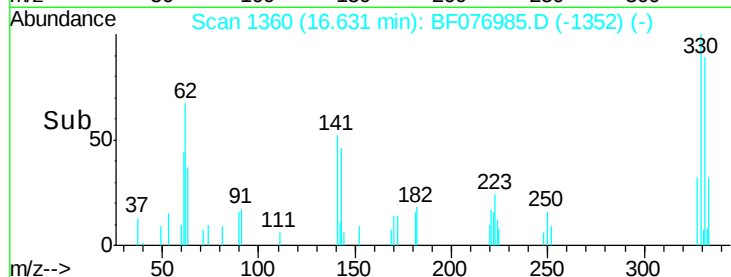
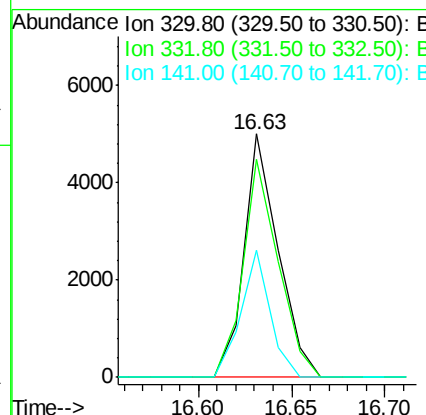
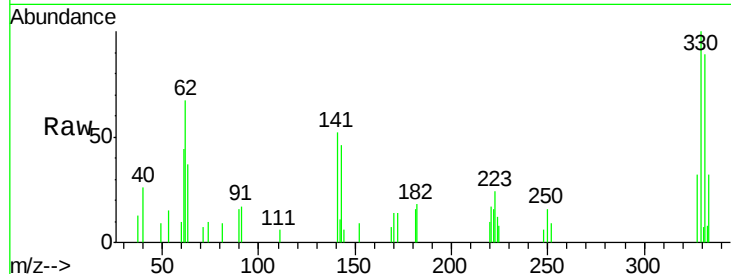
#41
 2,4,6-Tribromophenol
 Concen: 13.73 ng
 RT: 16.63 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: BF076985.D
 Acq: 21 Jan 2015 5:22

Instrument :
 BNA_F
 ClientSampleId :
 SP-1DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	6376		
332	92.0		77.8	116.6
141	44.5		38.5	57.7

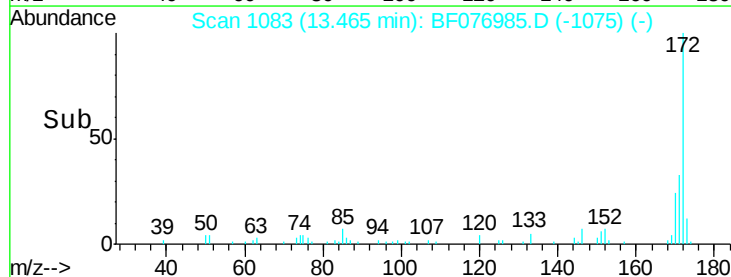
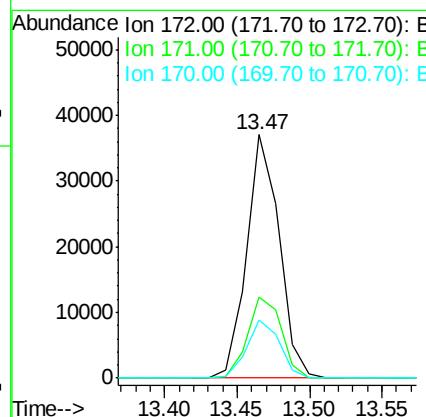
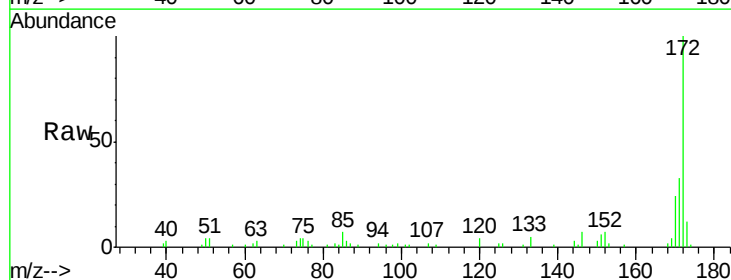
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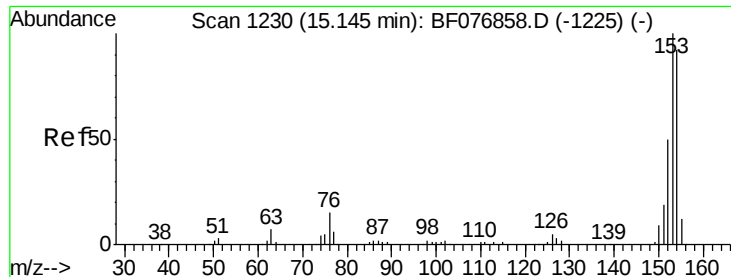
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#44
 2-Fluorobiphenyl
 Concen: 15.30 ng
 RT: 13.47 min Scan# 1083
 Delta R.T. -0.01 min
 Lab File: BF076985.D
 Acq: 21 Jan 2015 5:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	57527		
171	33.2		26.6	40.0
170	23.6		18.0	27.0





#51

Acenaphthene

Concen: 4.66 ng

RT: 15.02 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF076985.D

Acq: 21 Jan 2015 5:22

Instrument :

BNA_F

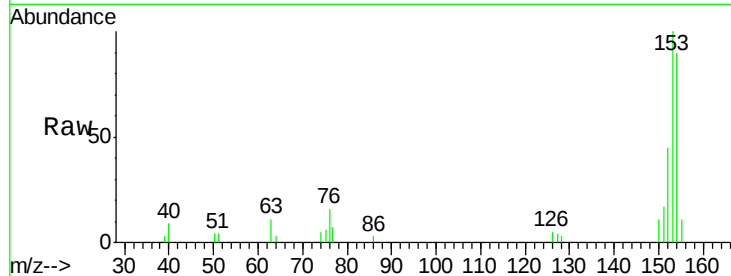
ClientSampleId :

SP-1DL

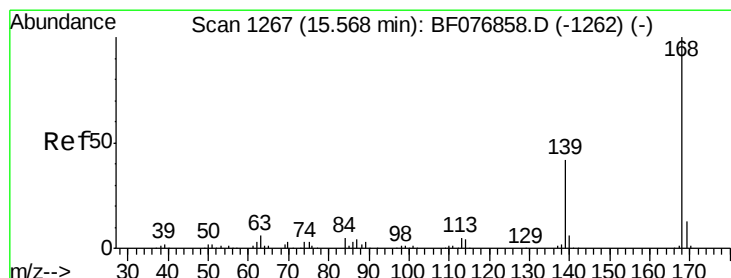
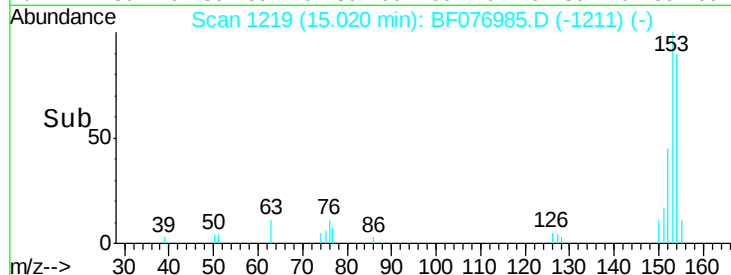
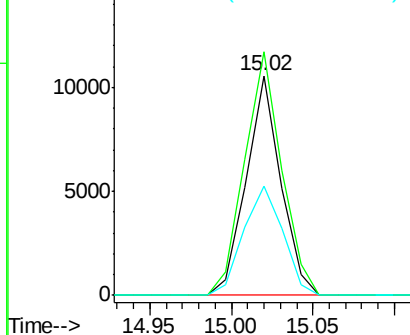
Tot Ion:	154	Resp:	15551
Ion Ratio	Lower	Upper	
154	100		
153	110.7	87.0	130.6
152	49.6	43.5	65.3

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.66 ng

RT: 15.44 min Scan# 1256

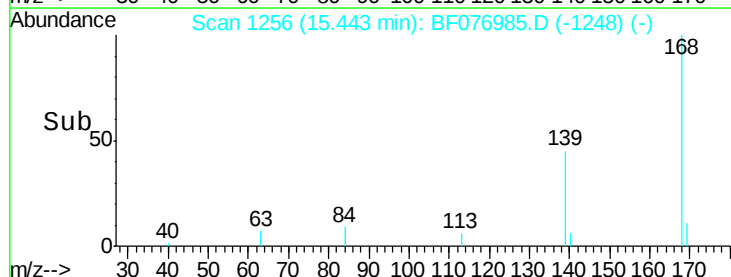
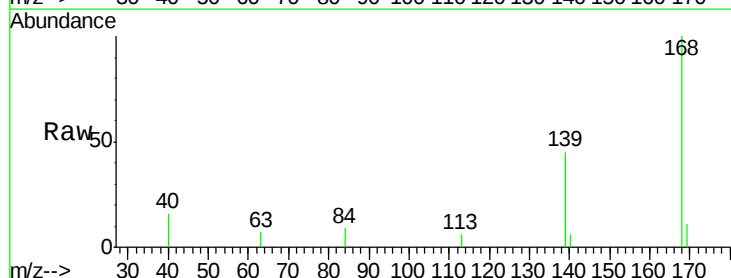
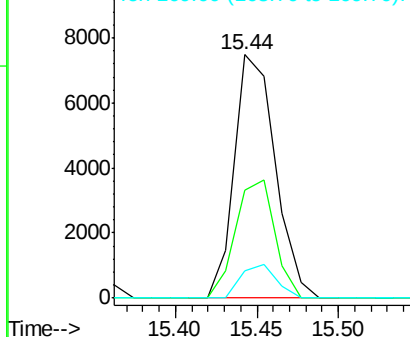
Delta R.T. -0.01 min

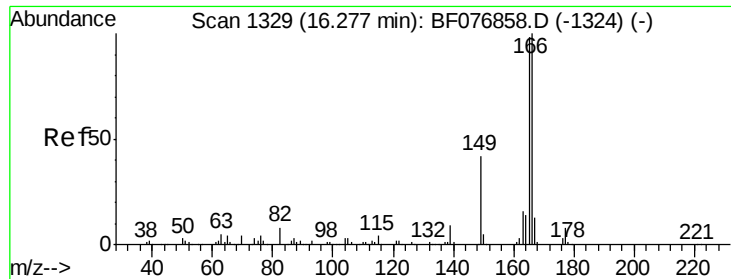
Lab File: BF076985.D

Acq: 21 Jan 2015 5:22

Tgt Ion:	168	Resp:	12963
Ion Ratio	Lower	Upper	
168	100		
139	44.6	33.4	50.2
169	11.0	10.6	15.8

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





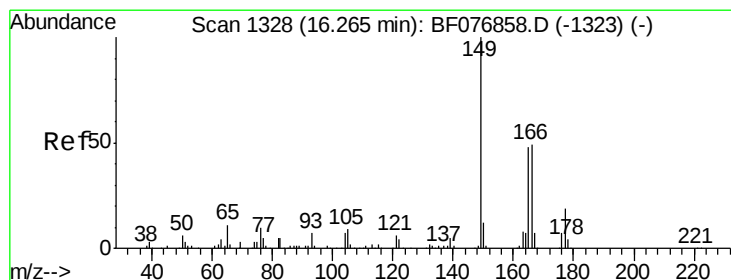
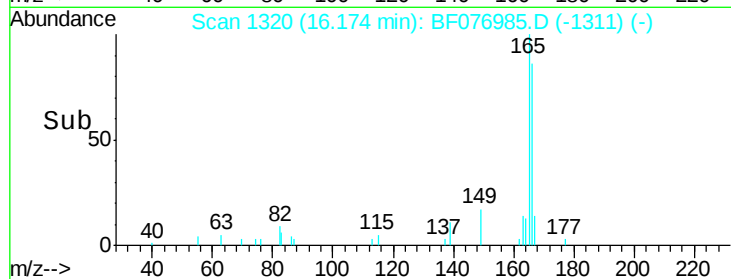
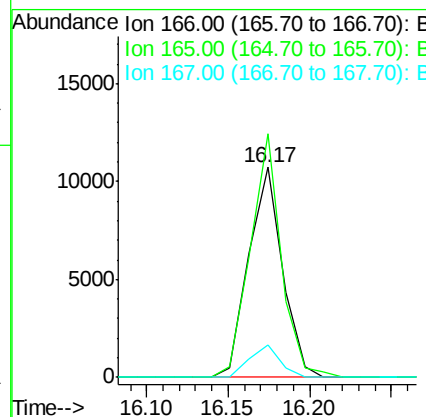
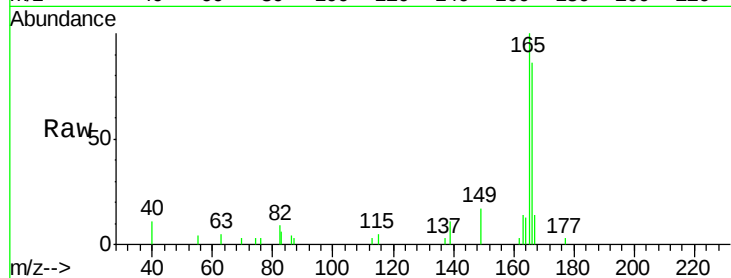
#57
Fluorene
Concen: 3.73 ng
RT: 16.17 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Instrument :
BNA_F
ClientSampleId :
SP-1DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	115.9	78.5	117.7
167	15.7	10.4	15.6

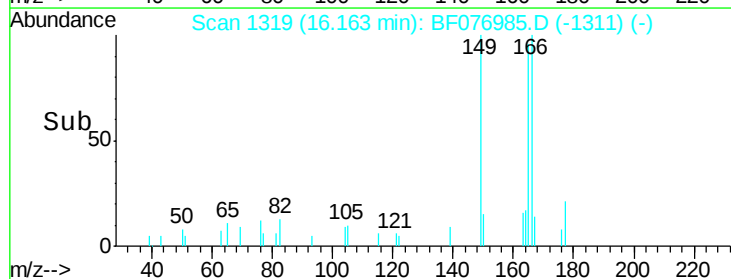
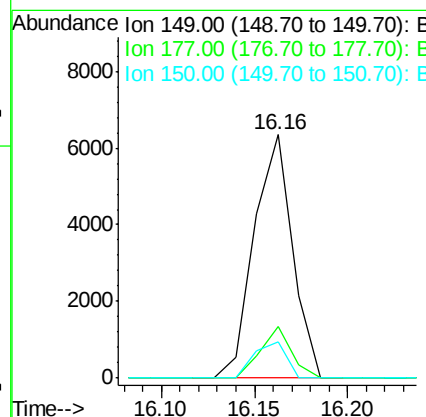
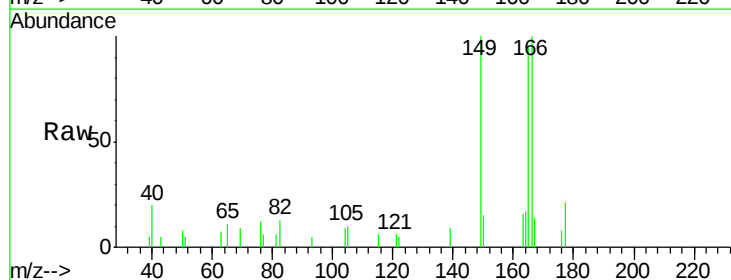
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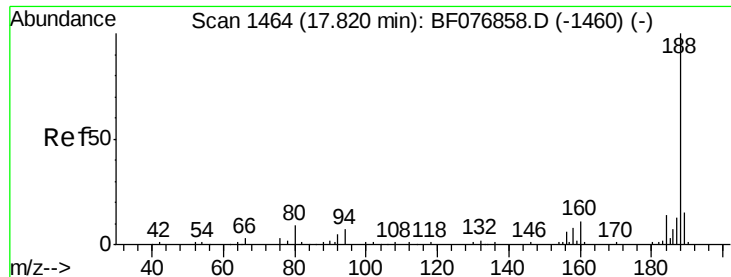
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#59
Diethylphthalate
Concen: 2.23 ng
RT: 16.16 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.4	15.0	22.6
150	14.8	9.4	14.0





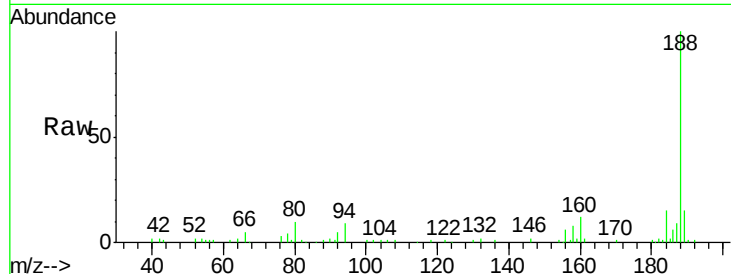
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.73 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Instrument :
BNA_F
ClientSampleId :
SP-1DL

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.9	6.0	9.0
80	10.1	6.9	10.3

Manual Integrations
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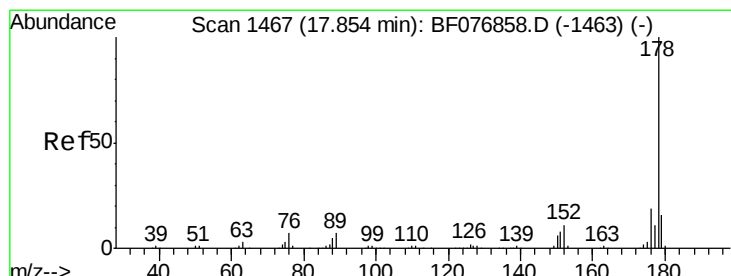
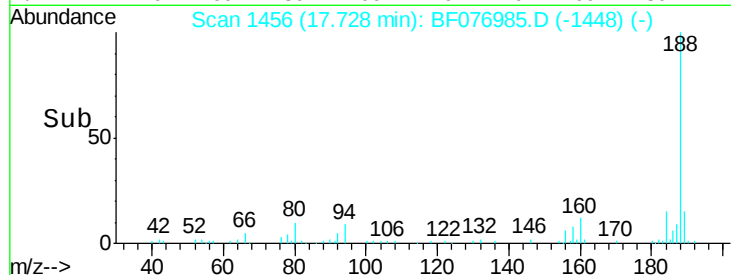
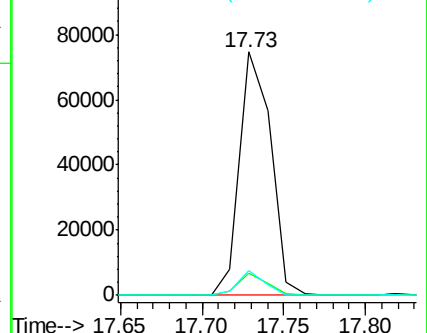
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Abundance Ion 188.00 (187.70 to 188.70): E

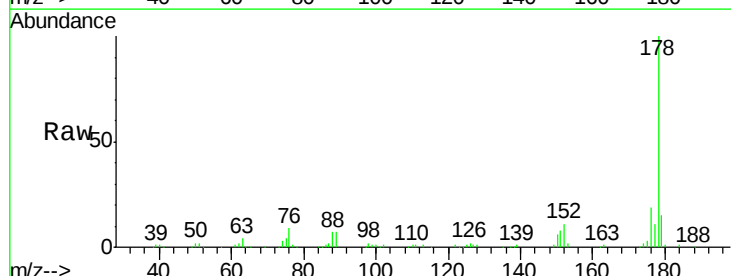
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70
Phenanthrene
Concen: 36.17 ng
RT: 17.76 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

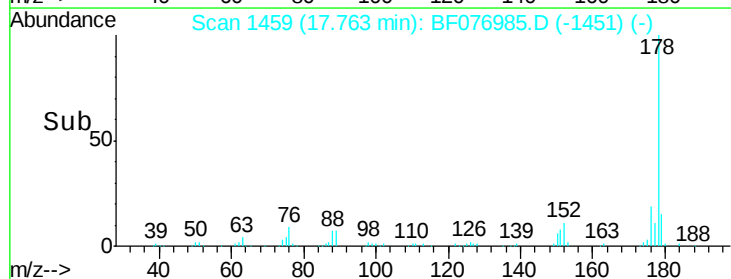
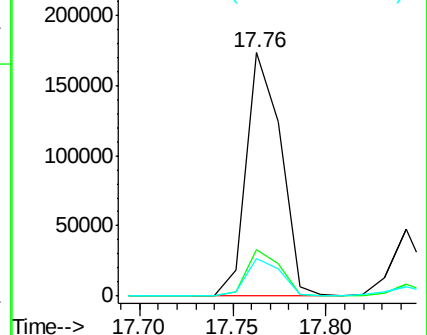
Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.0	15.1	22.7
179	15.3	12.7	19.1

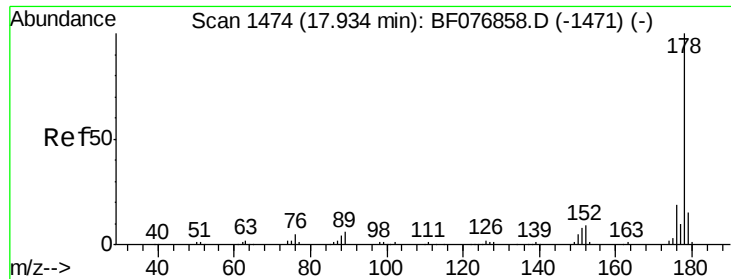


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





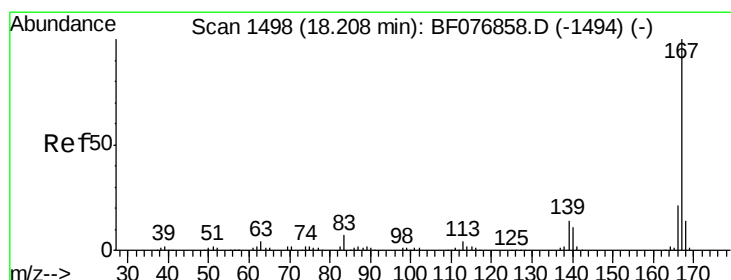
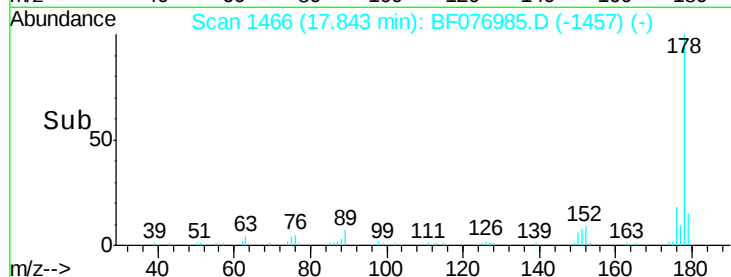
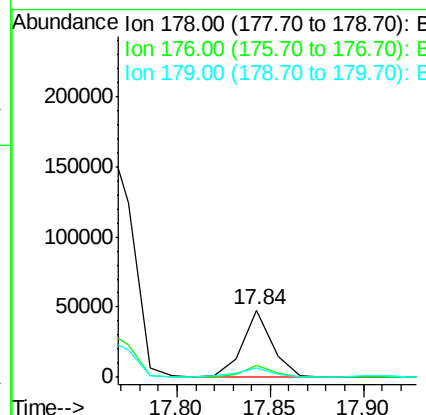
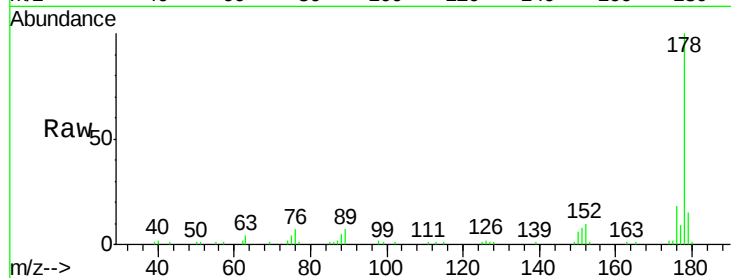
#71
 Anthracene
 Concen: 8.64 ng
 RT: 17.84 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF076985.D
 Acq: 21 Jan 2015 5:22

Instrument :
 BNA_F
 ClientSampleId :
 SP-1DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.0
179	14.6	11.9	17.9

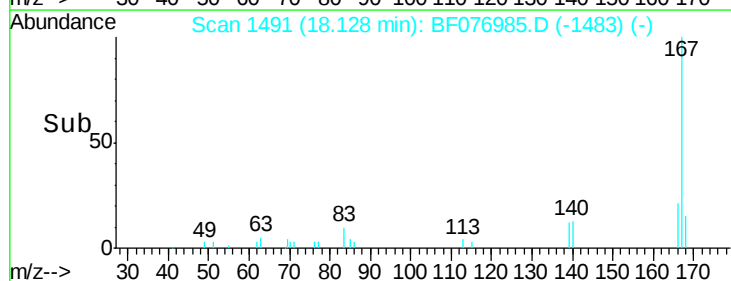
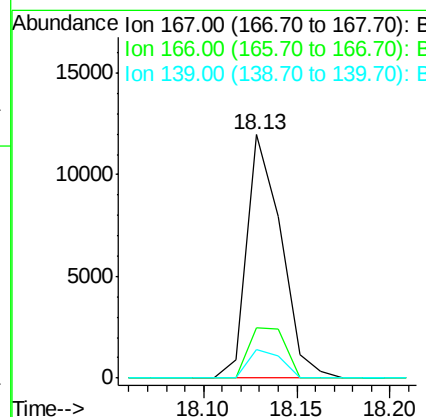
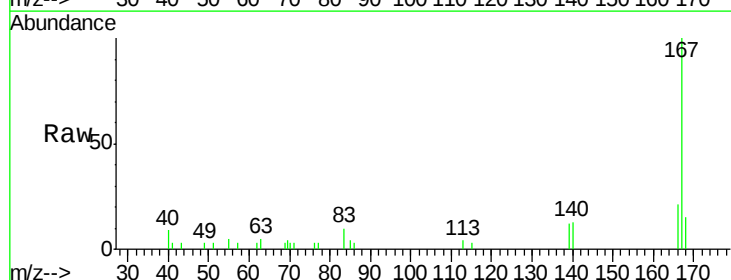
Manual Integrations
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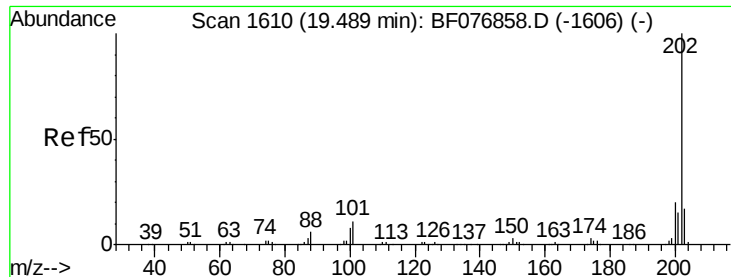
tejaskumar
 1/21/2015 5:30:22 PM



#72
 Carbazole
 Concen: 2.63 ng
 RT: 18.13 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF076985.D
 Acq: 21 Jan 2015 5:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.0	25.6
139	12.0	11.3	16.9





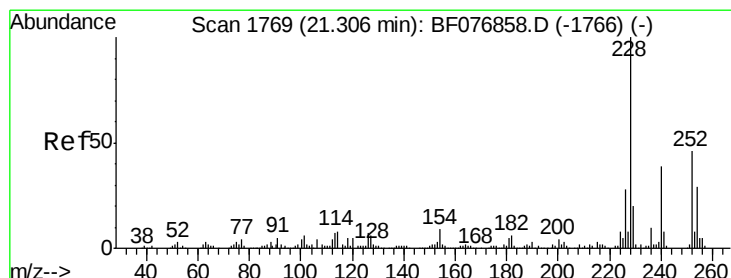
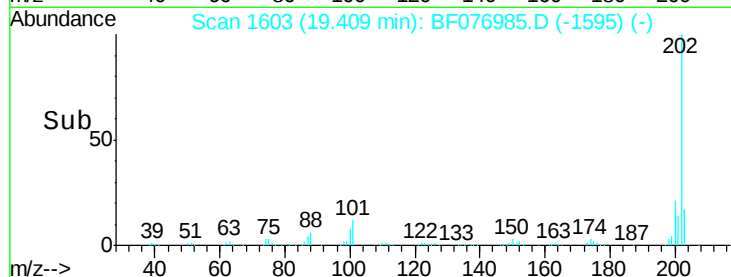
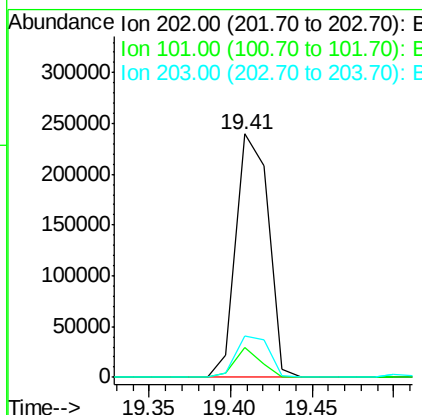
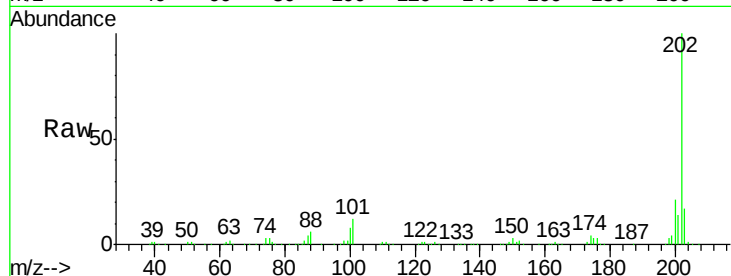
#74
Fluoranthene
Concen: 52.33 ng
RT: 19.41 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Instrument :
BNA_F
ClientSampleId :
SP-1DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.0	0.0	30.7
203	17.1	0.0	36.9

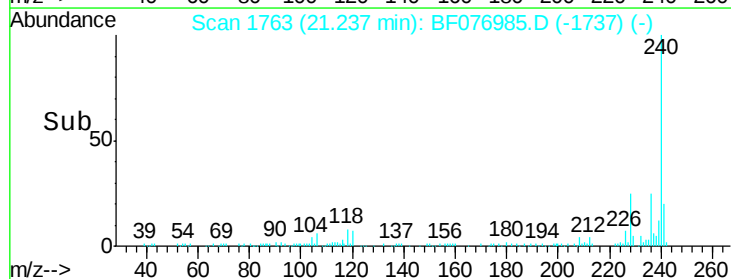
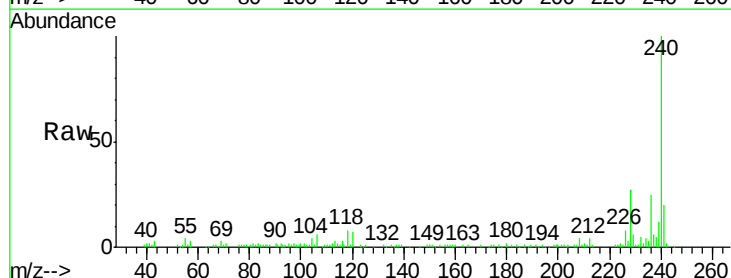
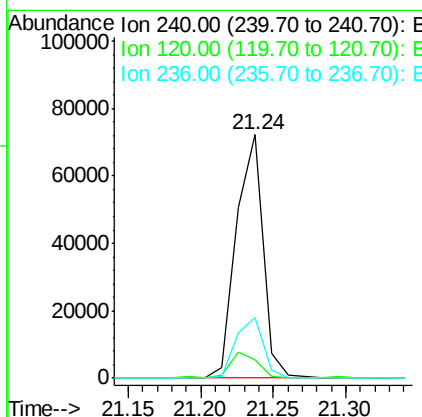
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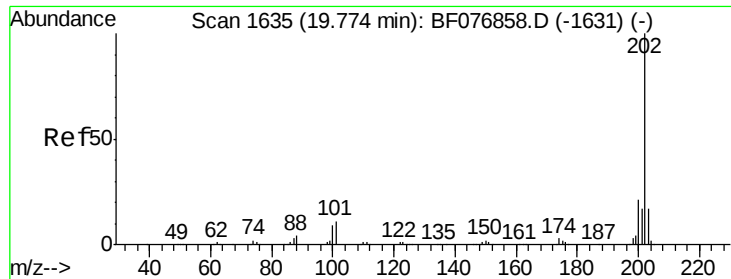
tejaskumar
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.24 min Scan# 1763
Delta R.T. 0.00 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	7.4	10.4	15.6#
236	24.9	20.2	30.2





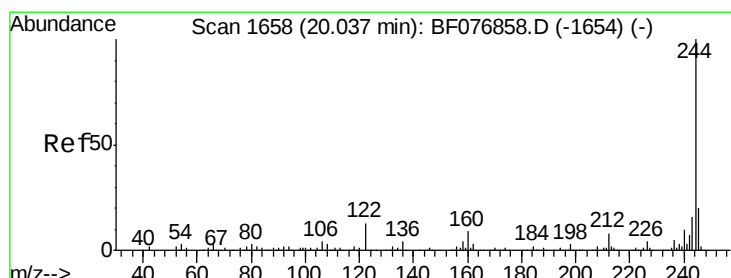
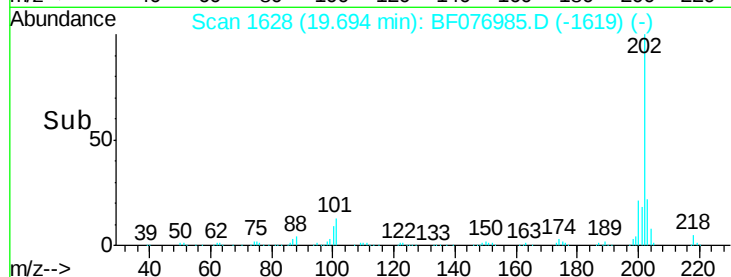
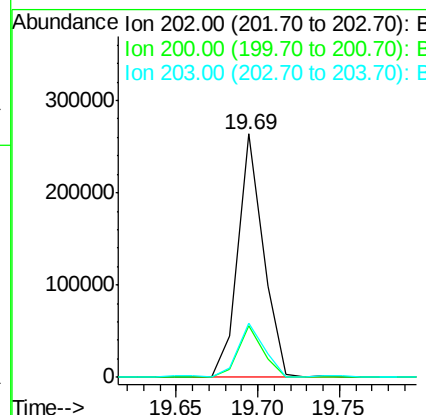
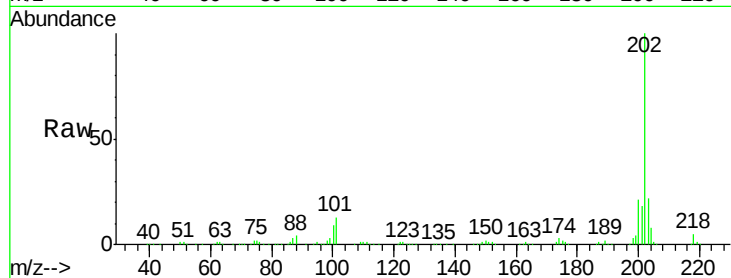
#77
Pvrene
Concen: 44.94 ng
RT: 19.69 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Instrument :
BNA_F
ClientSampleId :
SP-1DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	16.7	25.1
203	22.1	14.0	21.0

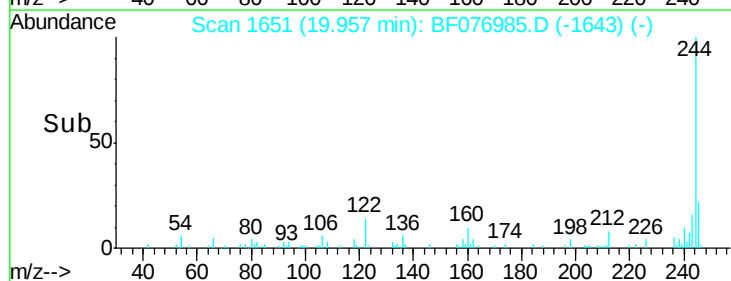
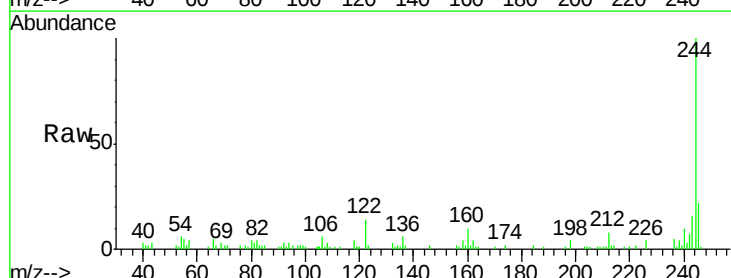
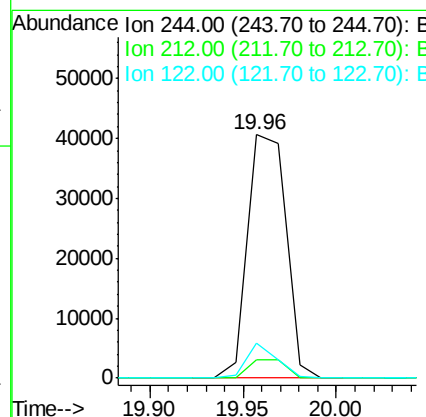
Manual Integrations
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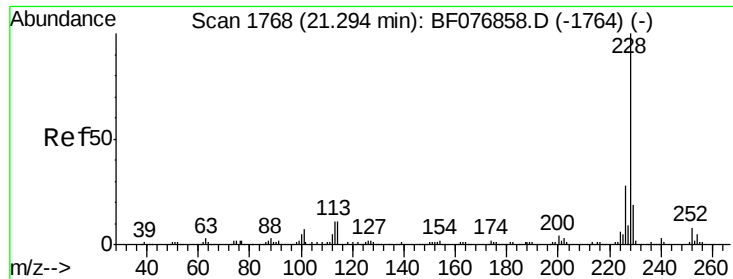
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#78
Terphenyl-d14
Concen: 14.50 ng
RT: 19.96 min Scan# 1651
Delta R.T. -0.01 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.6	6.3	9.5
122	14.3	10.1	15.1





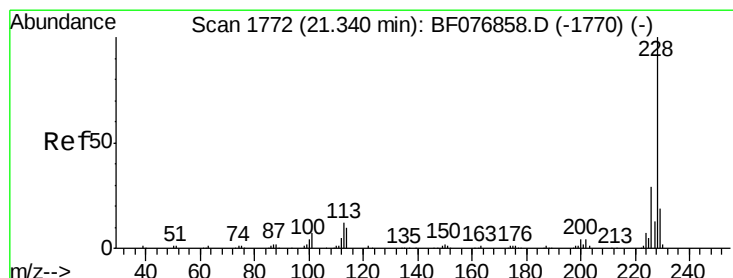
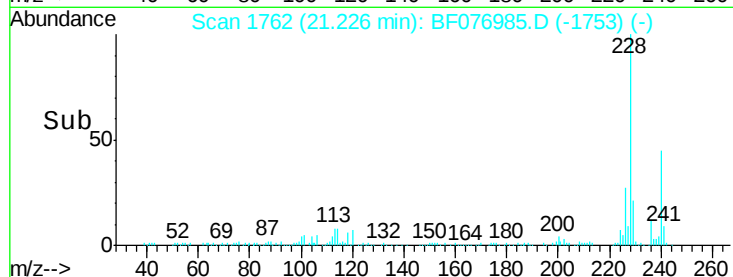
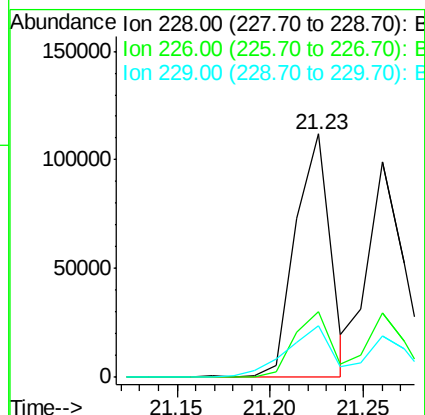
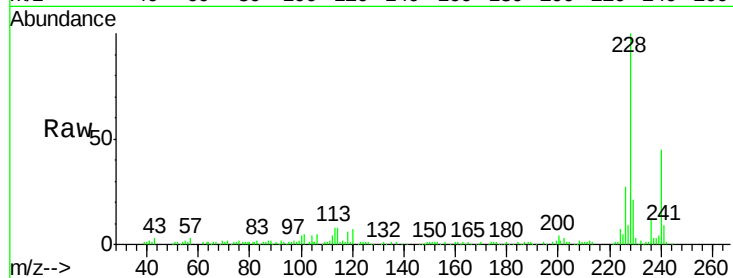
#80
Benzo(a)anthracene
Concen: 24.84 ng
RT: 21.23 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Instrument :
BNA_F
ClientSampleId :
SP-1DL

Tot Ion	Ratio	Resp Lower	Upper
228	100		
226	26.8	22.1	33.1
229	21.1	15.5	23.3

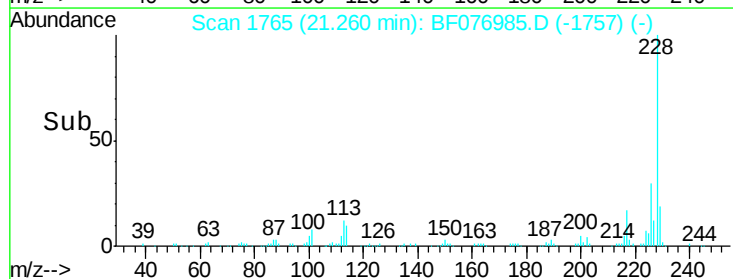
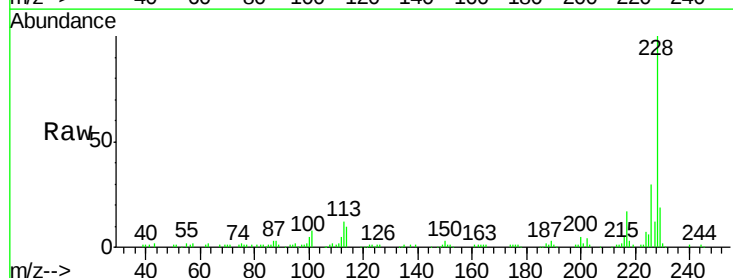
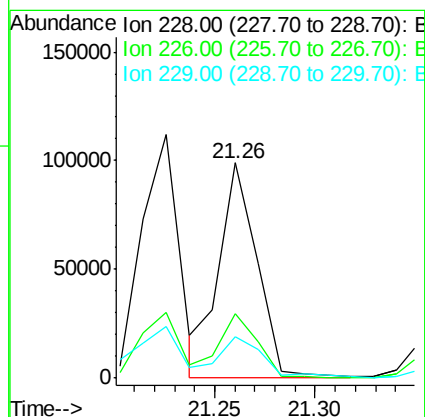
Manual Integrations
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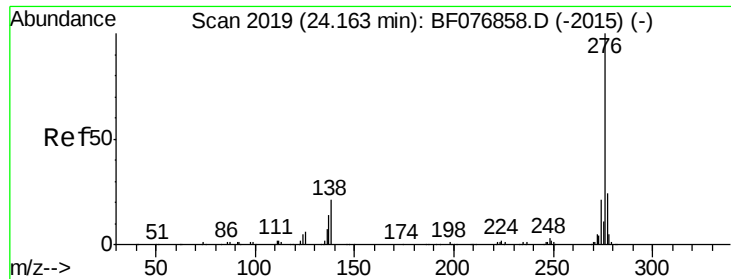
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#82
Chrysene
Concen: 24.69 ng m
RT: 21.26 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.9	23.4	35.0
229	19.4	15.4	23.0





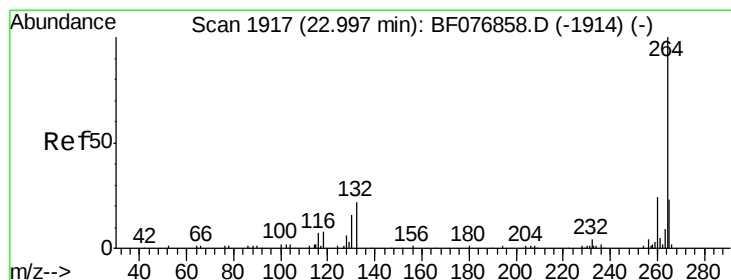
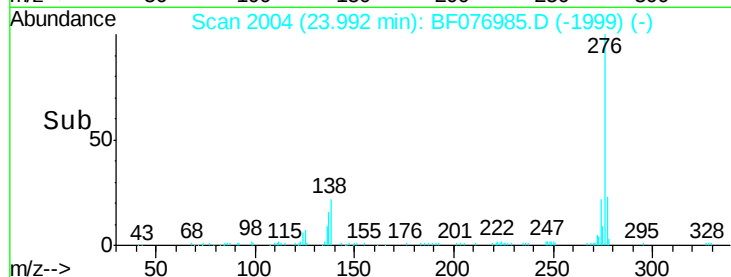
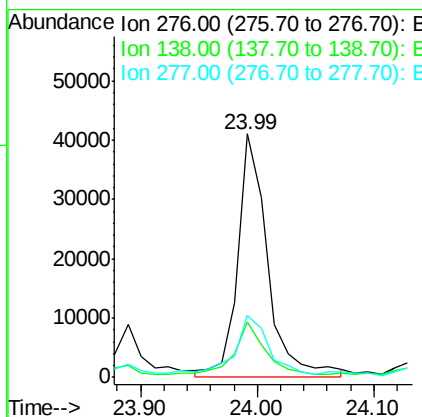
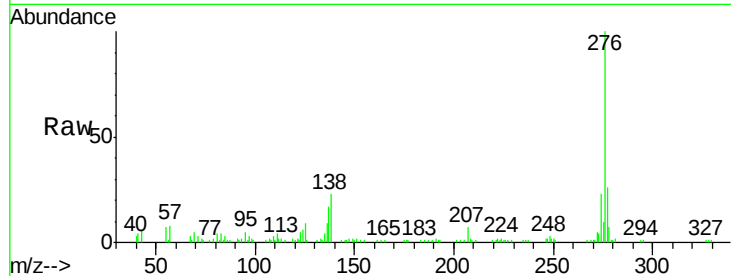
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.19 ng/mL
RT: 23.99 min Scan# 2004
Delta R.T. -0.05 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Instrument :
BNA_F
ClientSampleID :
SP-1DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	14.6	22.0
277	24.6	14.8	22.2

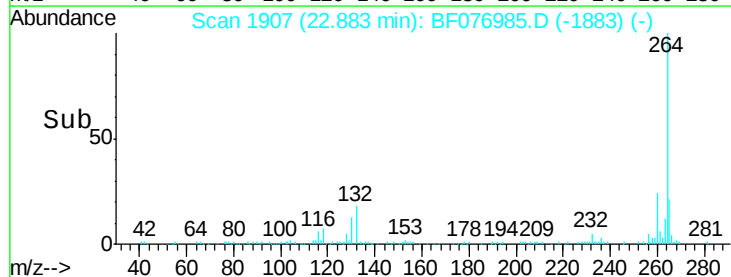
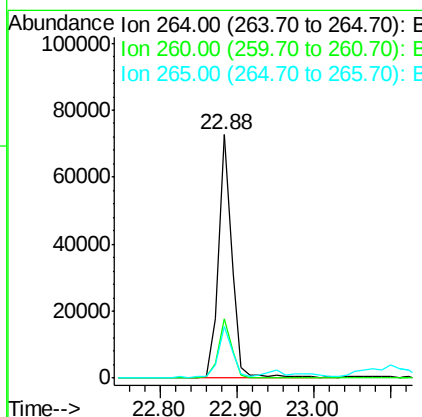
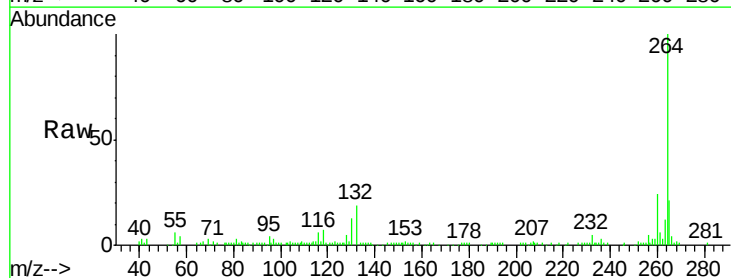
Manual Integrations
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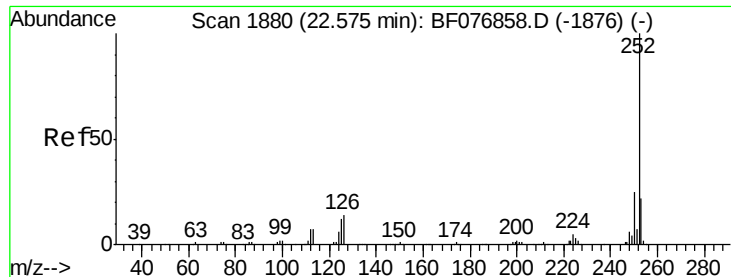
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#86
Perylene-d12
Concen: 20.00 ng
RT: 22.88 min Scan# 1907
Delta R.T. -0.02 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.4
265	21.4	18.1	27.1





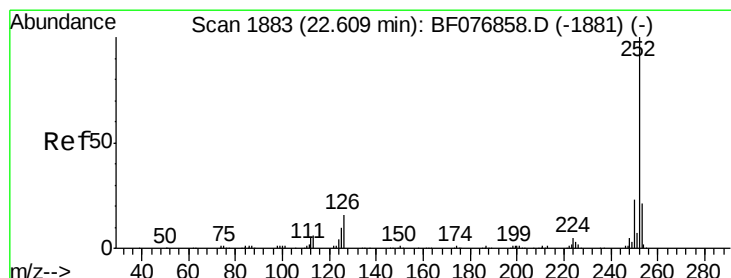
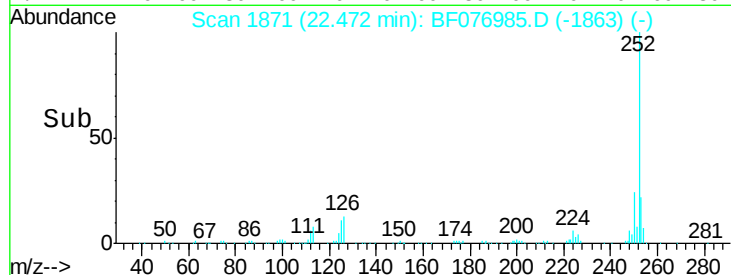
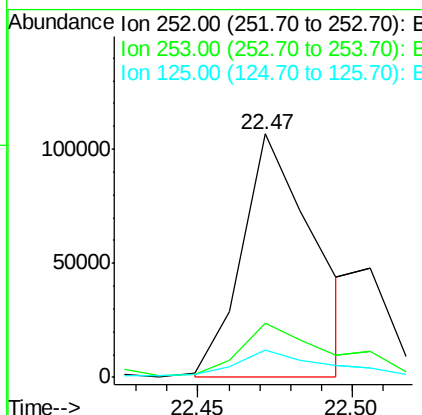
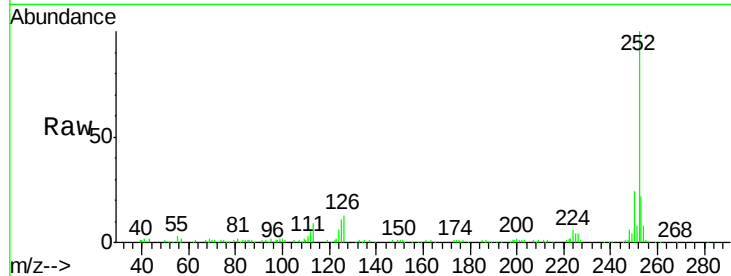
#87
Benzo(b)fluoranthene
Concen: 28.64 ng m
RT: 22.47 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Instrument :
BNA_F
ClientSampled :
SP-1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	11.4	9.4	14.0

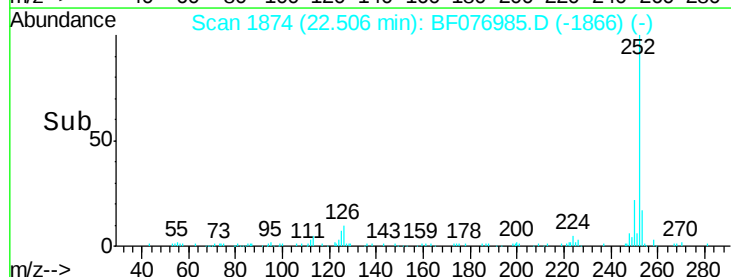
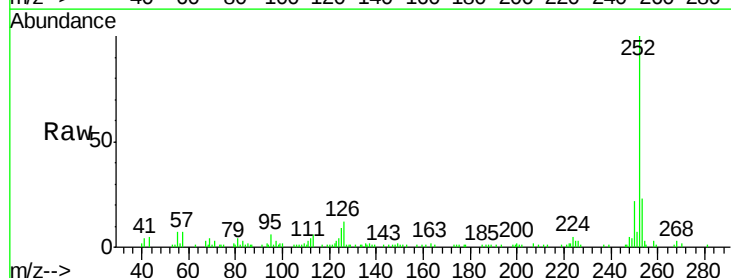
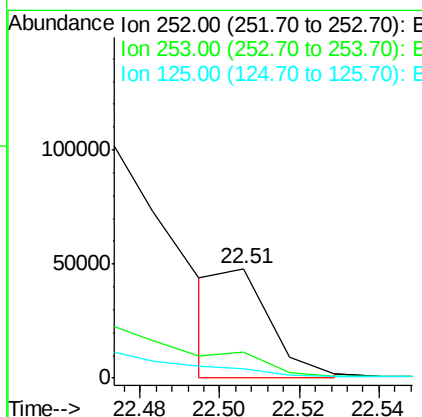
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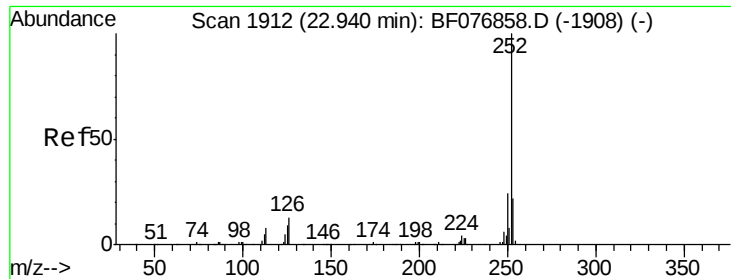
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#88
Benzo(k)fluoranthene
Concen: 7.64 ng m
RT: 22.51 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	8.7	7.1	10.7





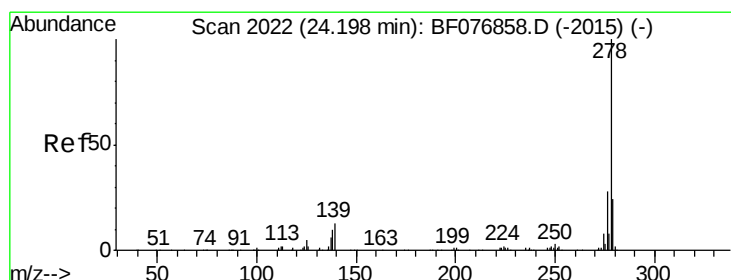
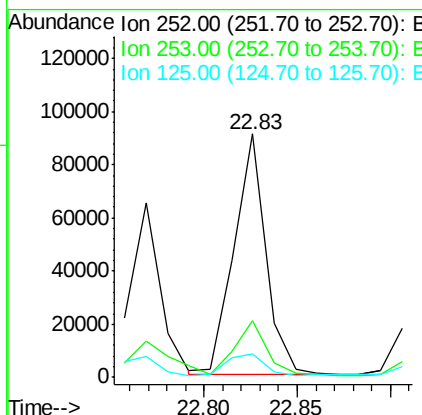
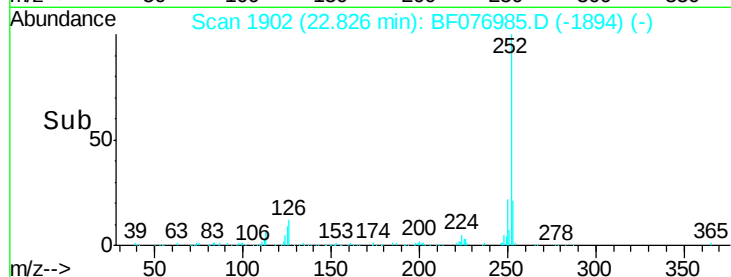
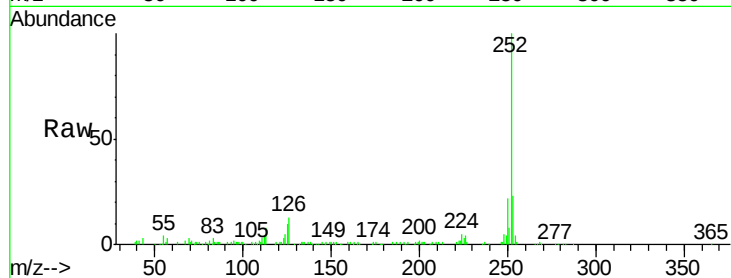
#89
Benzo(a)pyrene
Concen: 20.18 ng
RT: 22.83 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Instrument :
BNA_F
ClientSampleId :
SP-1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	9.8	7.2	10.8

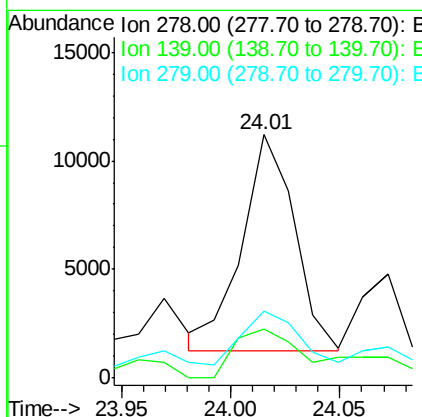
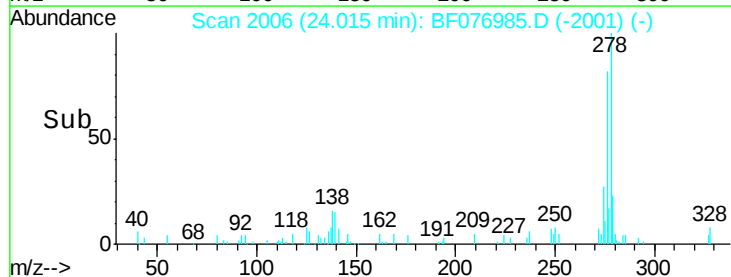
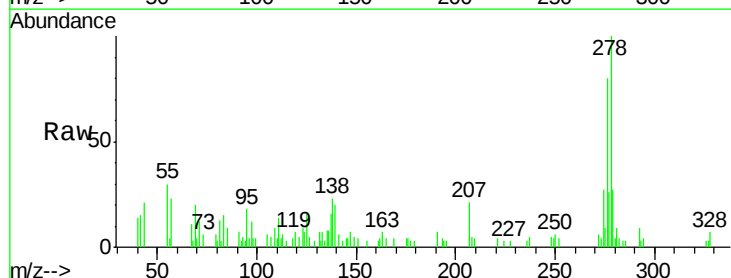
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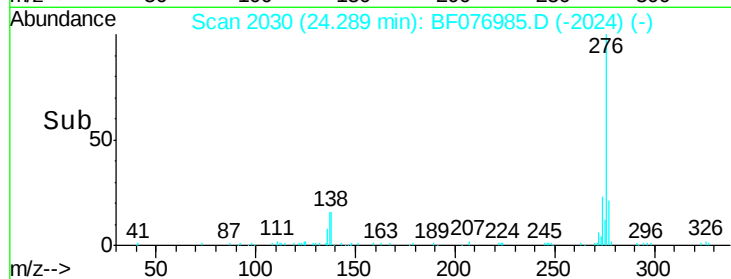
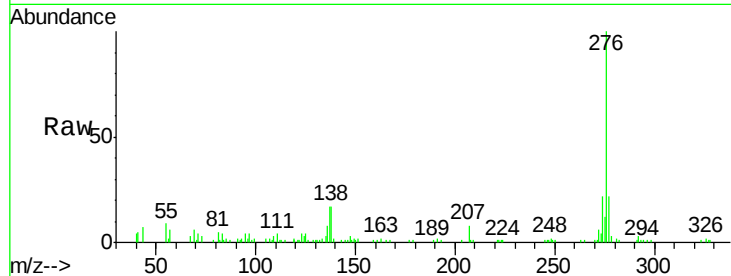
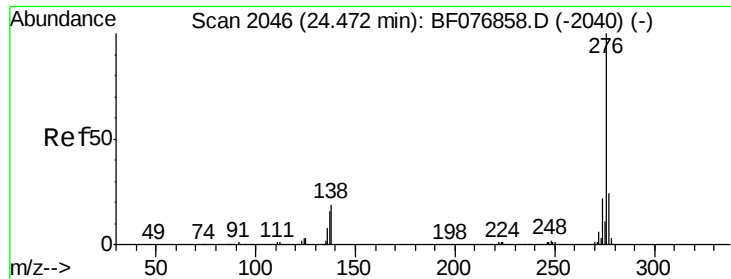
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#90
Dibenzo(a,h)anthracene
Concen: 3.41 ng m
RT: 24.01 min Scan# 2006
Delta R.T. -0.05 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	10.5	15.7#
279	27.4	19.3	28.9





#91
Benzo(a,h,i)perylene
Concen: 13.52 ng
RT: 24.29 min Scan# 2030
Delta R.T. -0.03 min
Lab File: BF076985.D
Acq: 21 Jan 2015 5:22

Instrument :
BNA_F
ClientSampleId :
SP-1DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.0	19.5	29.3
138	16.6	15.0	22.6

Manual Integrations
APPROVED

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