

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
 Data File : BF079471.D
 Acq On : 23 May 2015 12:13
 Operator : TP/IZ
 Sample : G2359-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-28D

Manual Integrations
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Quant Time: May 26 13:22:20 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 25 06:56:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	76573	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	314722	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	149611	20.00	ng	0.00
63) Phenanthrene-d10	12.64	188	274711	20.00	ng	0.01
75) Chrysene-d12	15.92	240	282678	20.00	ng	0.01
86) Perylene-d12	17.66	264	283846	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	409921m	92.15	ng	0.02
7) Phenol-d6	6.65	99	545879m	92.84	ng	0.02
23) Nitrobenzene-d5	7.75	82	207466	37.89	ng	0.00
41) 2,4,6-Tribromophenol	11.78	330	99076	61.21	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	535220	49.84	ng	0.00
78) Terphenyl-d14	14.63	244	517017	43.79	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.49	163	38126	3.47	ng	# 98
51) Acenaphthene	10.83	154	27622	3.04	ng	98
57) Fluorene	11.47	166	35997	3.34	ng	97
70) Phenanthrene	12.66	178	492475	32.04	ng	100
71) Anthracene	12.73	178	146043	9.69	ng	100
72) Carbazole	12.95	167	35178	2.45	ng	98
74) Fluoranthene	14.14	202	756177	47.22	ng	98
77) Pyrene	14.41	202	695704	42.71	ng	# 94
80) Benzo(a)anthracene	15.91	228	391716m	25.30	ng	
82) Chrysene	15.95	228	355653m	23.89	ng	
85) Indeno(1,2,3-cd)pyrene	19.01	276	204377	10.77	ng	96
87) Benzo(b)fluoranthene	17.21	252	453231m	29.17	ng	
88) Benzo(k)fluoranthene	17.25	252	124662m	8.29	ng	
89) Benzo(a)pyrene	17.60	252	324330	22.67	ng	99
90) Dibenzo(a,h)anthracene	19.02	278	54367	3.58	ng	# 90
91) Benzo(g,h,i)perylene	19.39	276	199810	13.11	ng	# 95

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

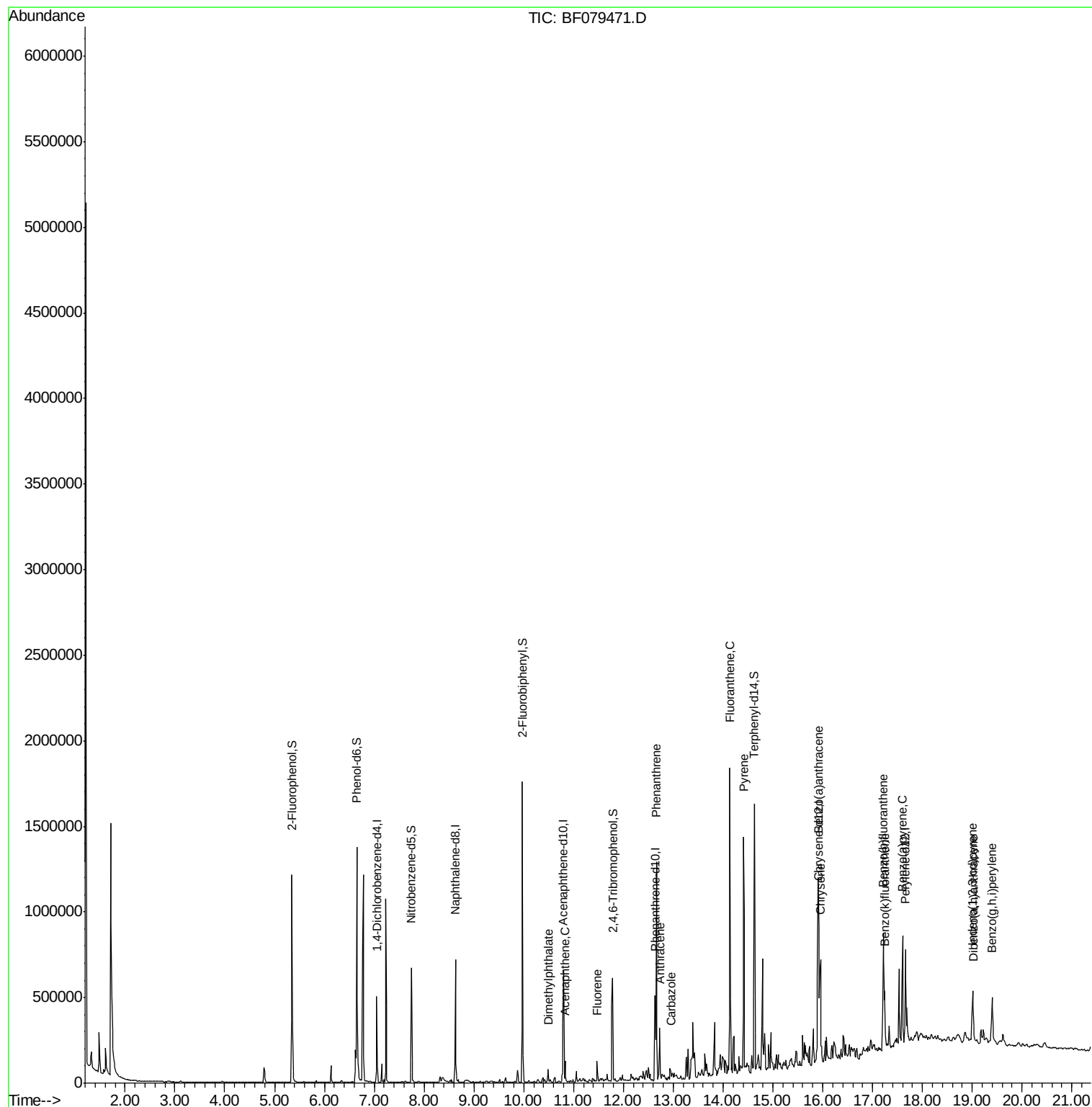
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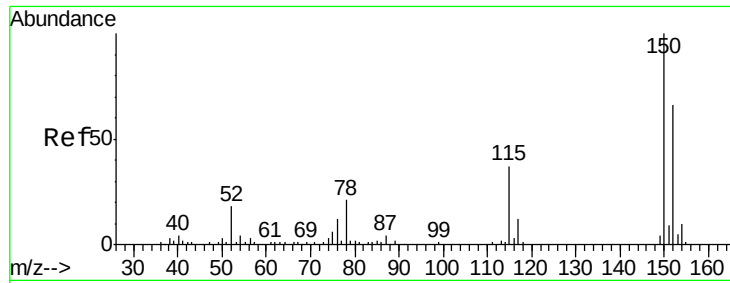
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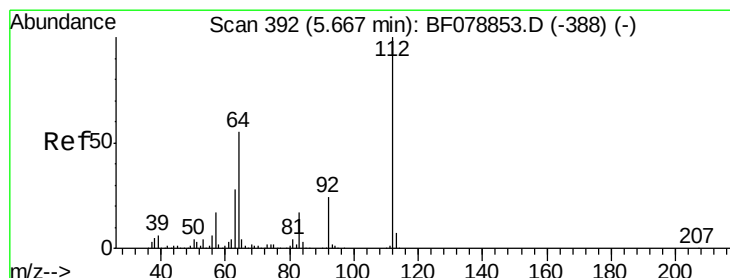
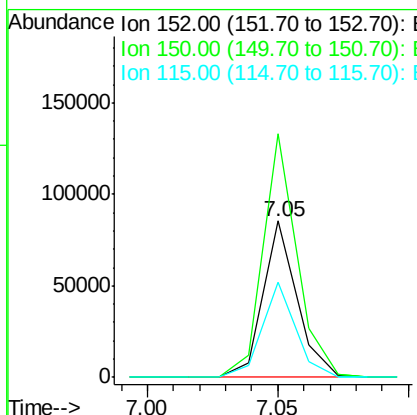
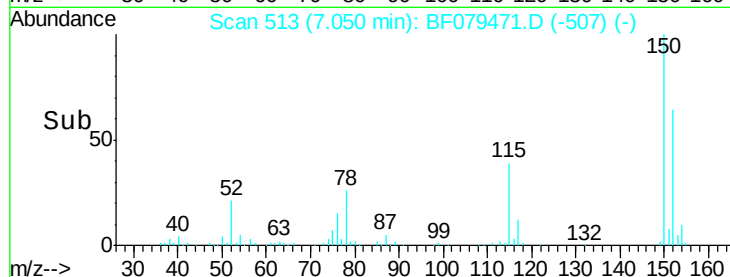
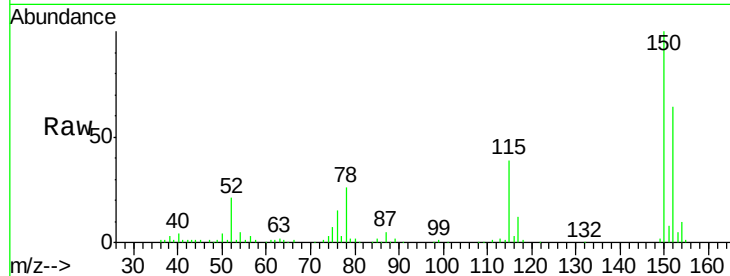
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Instrument :
 BNA_F
 ClientSampleID :
 SB-28D

Tot Ion:	152	Resp:	76573
Ion Ratio	Lower	Upper	
152	100		
150	155.8	123.8	185.8
115	61.1	49.4	74.0

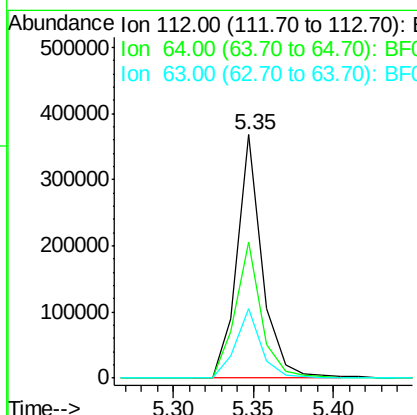
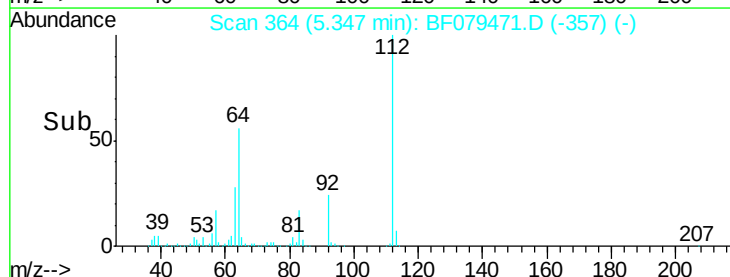
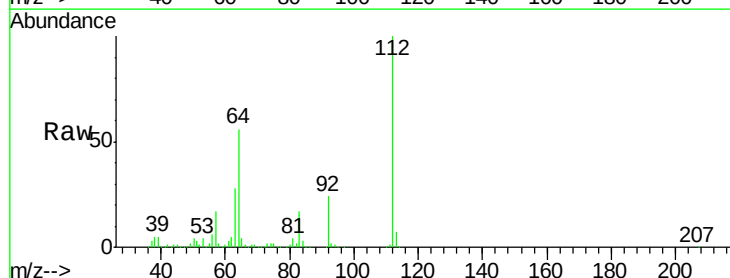
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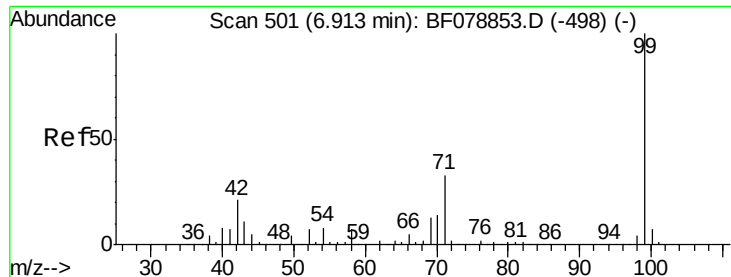
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#5
 2-Fluorophenol
 Concen: 92.15 ng m
 RT: 5.35 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Tgt Ion:	112	Resp:	409921
Ion Ratio	Lower	Upper	
112	100		
64	55.8	44.2	66.2
63	28.4	22.7	34.1





#7

Phenol-d6

Concen: 92.84 ng/mL

RT: 6.65 min Scan# 478

Delta R.T. 0.02 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Instrument :

BNA_F

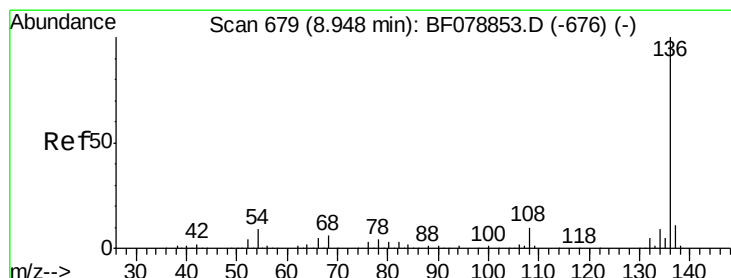
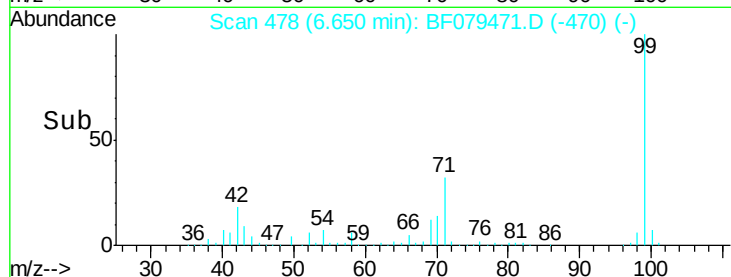
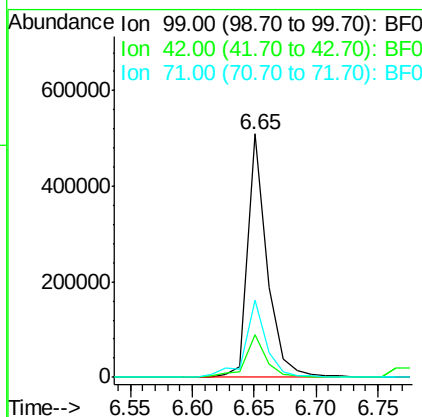
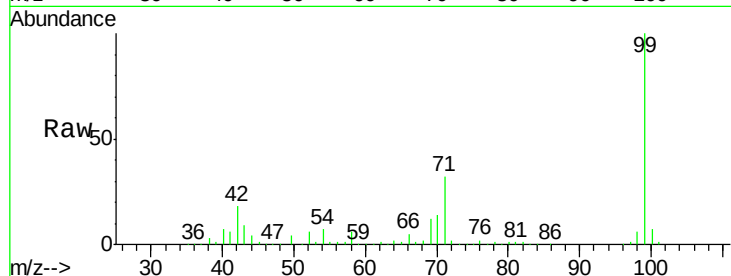
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	99	100	545879		
42	42	17.8		17.1	25.7
71	71	31.8		26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

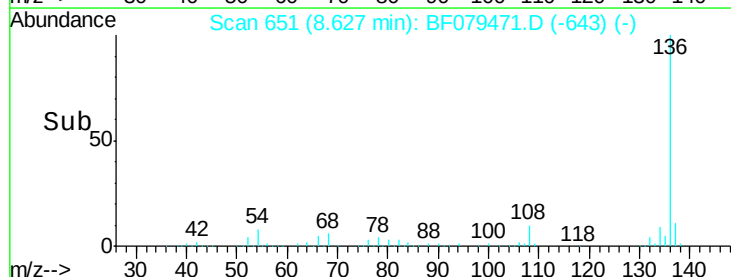
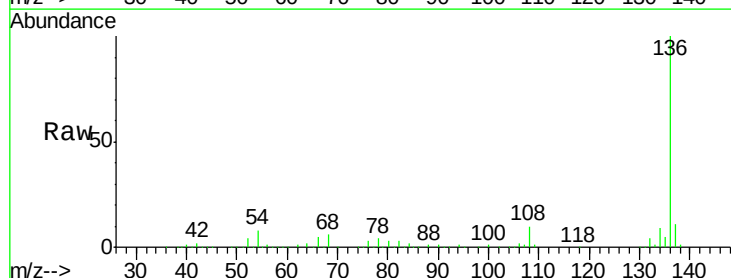
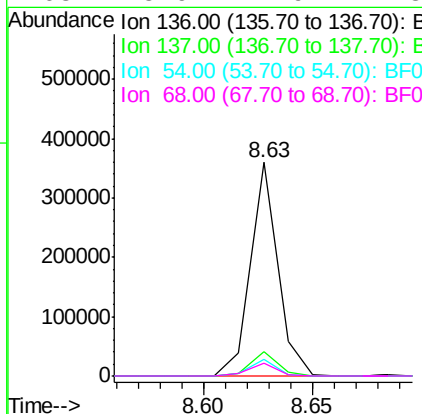
RT: 8.63 min Scan# 651

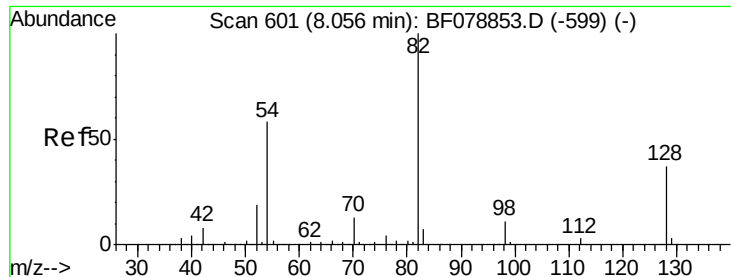
Delta R.T. -0.00 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100	314722		
137	137	11.1		8.8	13.2
54	54	7.7		6.9	10.3
68	68	5.9		4.9	7.3





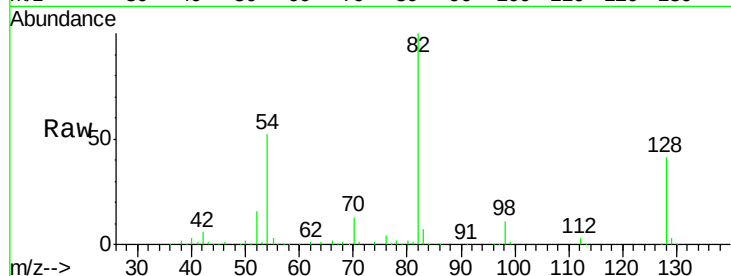
#23
Nitrobenzene-d5
Concen: 37.89 ng
RT: 7.75 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF079471.D
Acq: 23 May 2015 12:13

Instrument :
BNA_F
ClientSampleId :
SB-28D

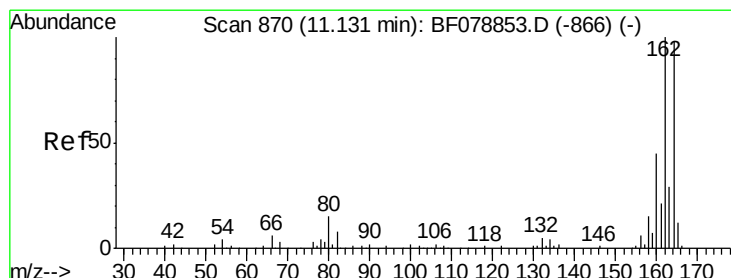
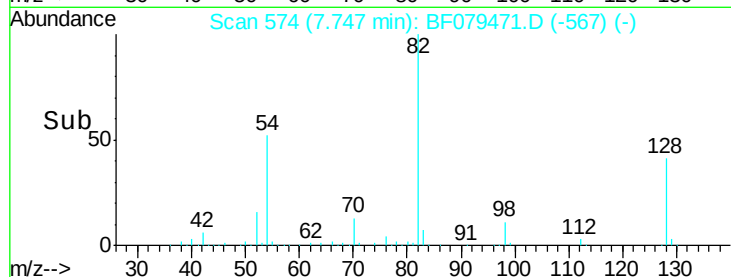
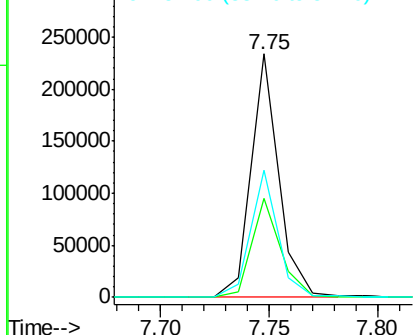
Tot Ion	Ratio	Resp	Lower	Upper
82	100	207466		
128	40.6	29.7	44.5	
54	52.1	46.2	69.4	

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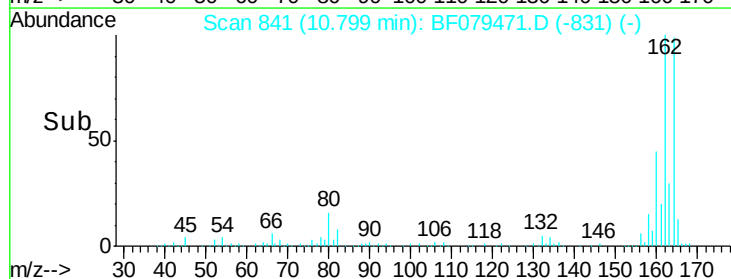
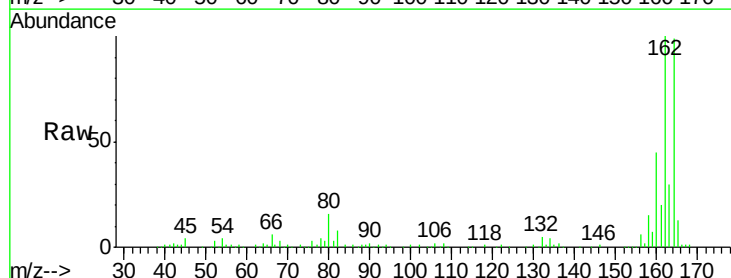
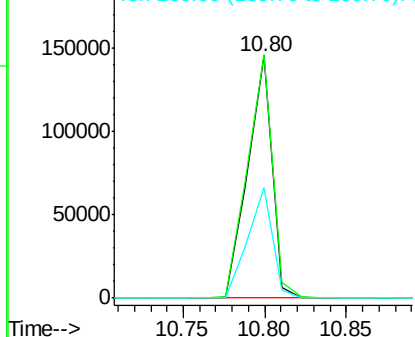
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

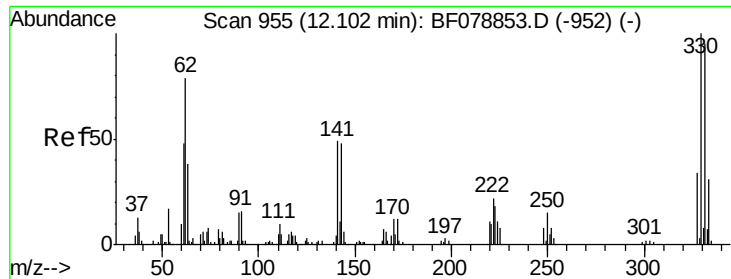


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF079471.D
Acq: 23 May 2015 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	149611		
162	100.7	81.4	122.0	
160	45.4	36.6	54.8	

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





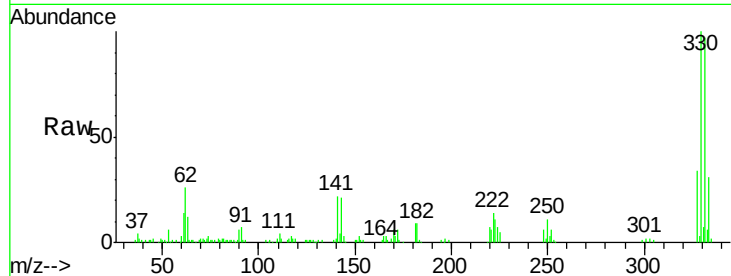
#41
 2,4,6-Tribromophenol
 Concen: 61.21 ng
 RT: 11.78 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Instrument :
 BNA_F
 ClientSampled :
 SB-28D

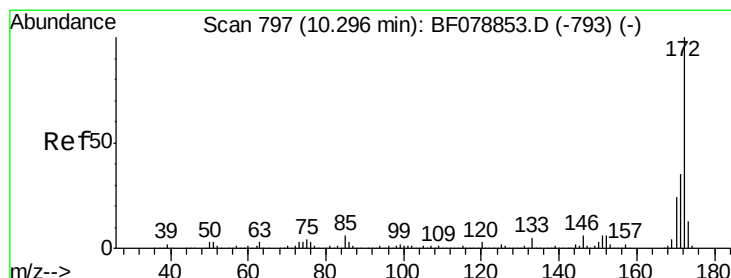
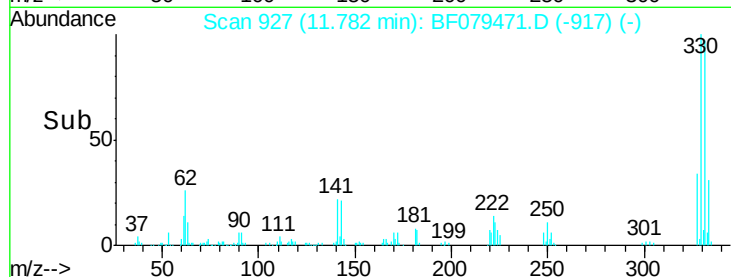
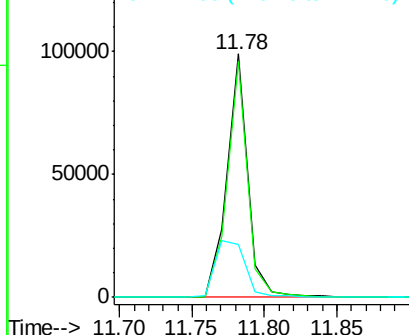
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.9	115.3
141	34.4	27.8	41.8

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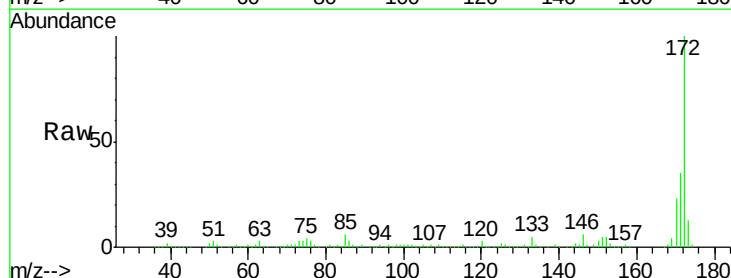


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

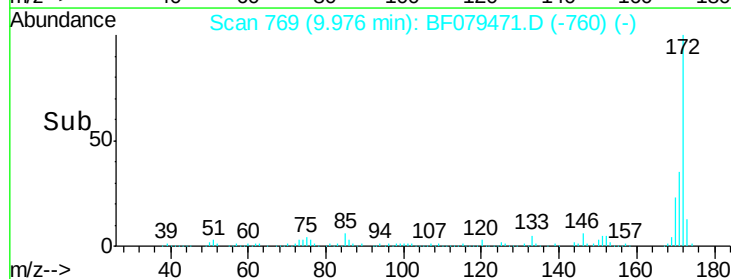
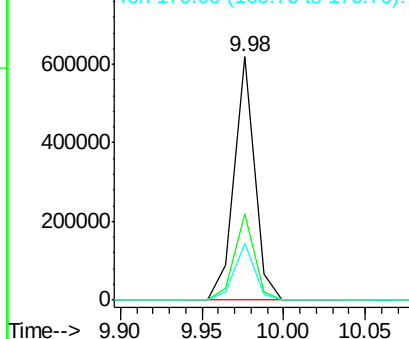


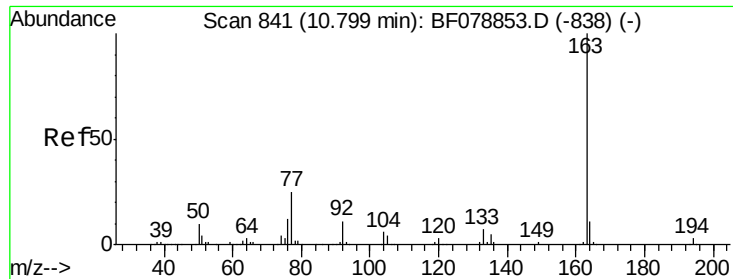
#44
 2-Fluorobiphenyl
 Concen: 49.84 ng
 RT: 9.98 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.3	42.5
170	23.5	19.4	29.2



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





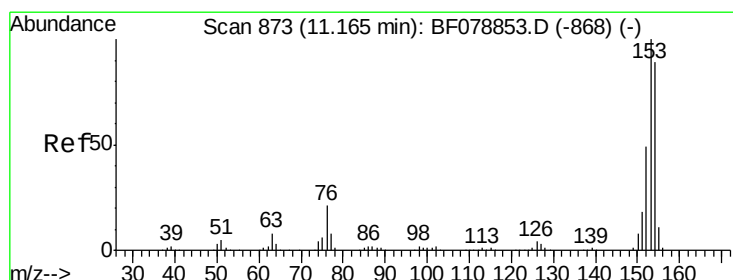
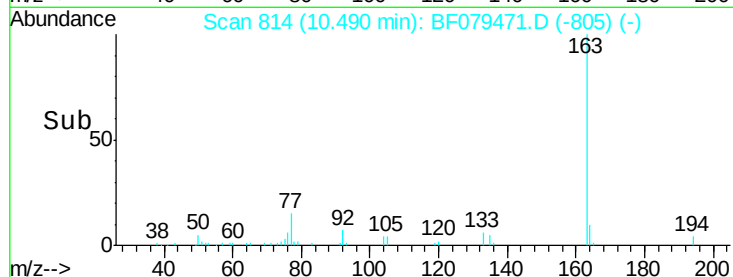
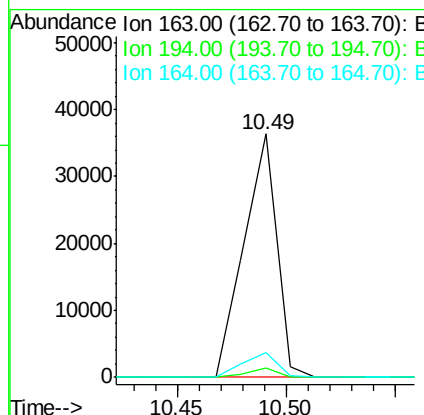
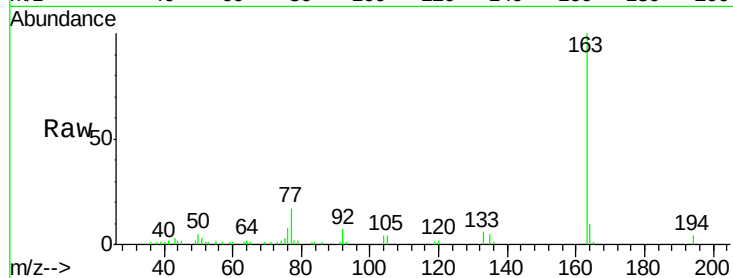
#49
Dimethylphthalate
Concen: 3.47 ng
RT: 10.49 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF079471.D
Acq: 23 May 2015 12:13

Instrument :
BNA_F
ClientSampled :
SB-28D

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.4	3.6#	
164	10.1	8.6	12.8	

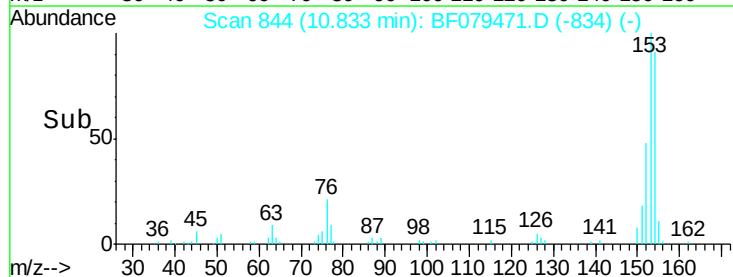
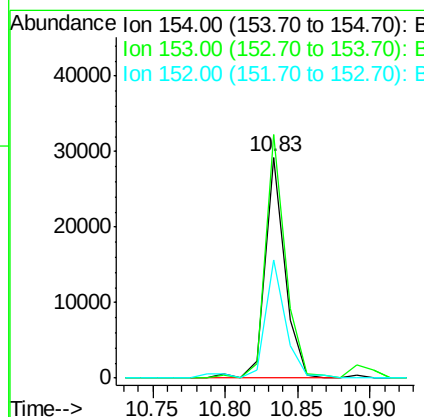
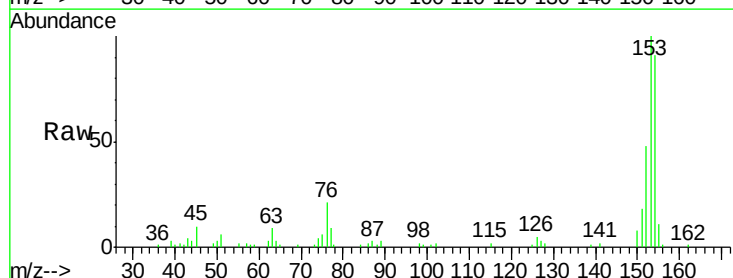
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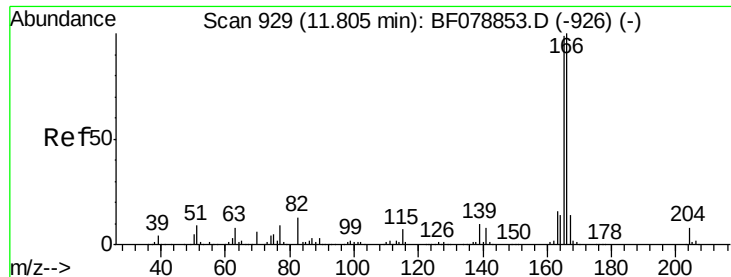
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#51
Acenaphthene
Concen: 3.04 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF079471.D
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Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	110.4	90.2	135.2	
152	53.5	43.8	65.8	





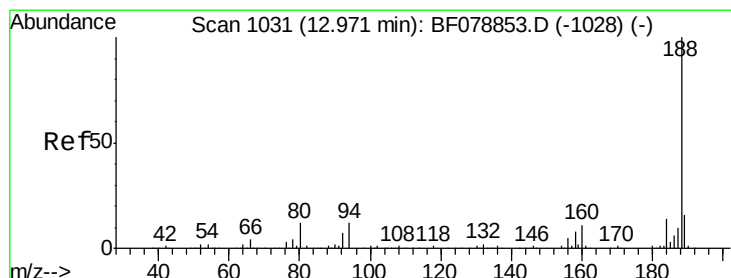
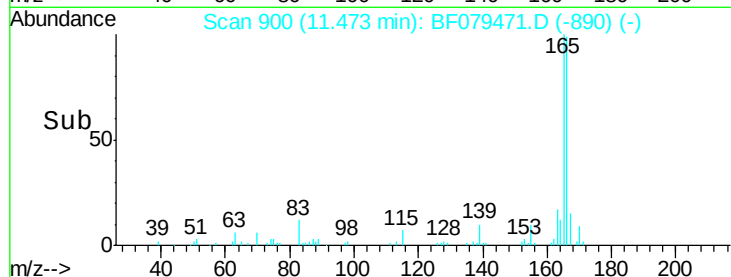
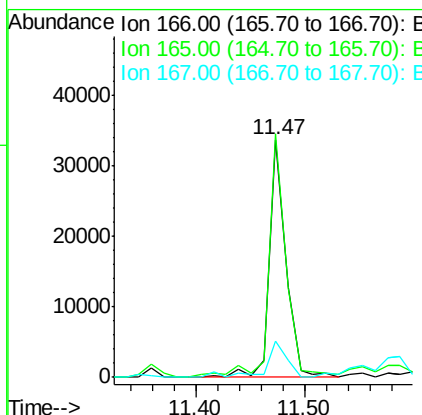
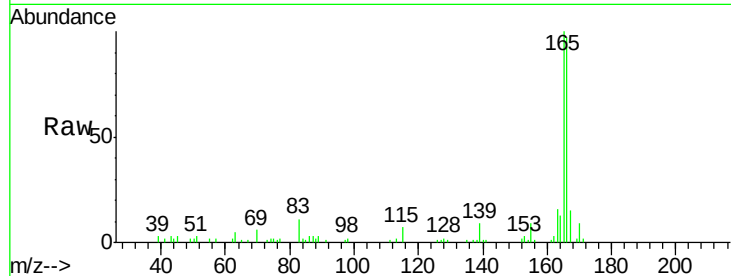
#57
 Fluorene
 Concen: 3.34 ng
 RT: 11.47 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		35997		
165	102.6	79.5	119.3		
167	15.2	11.0	16.6		

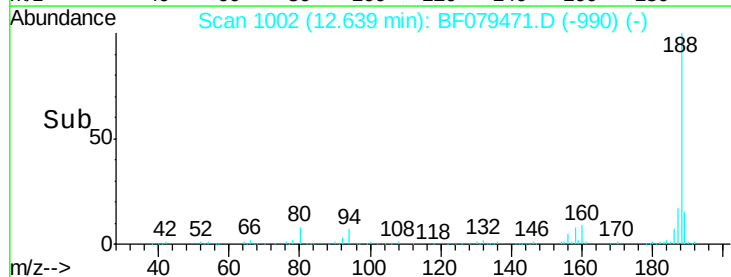
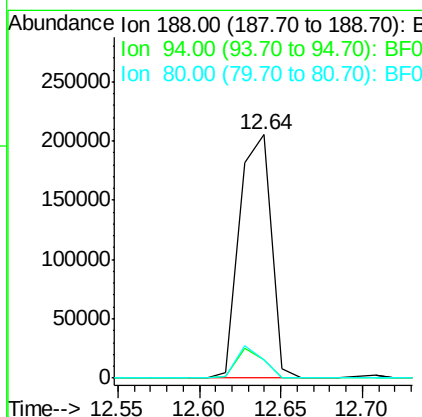
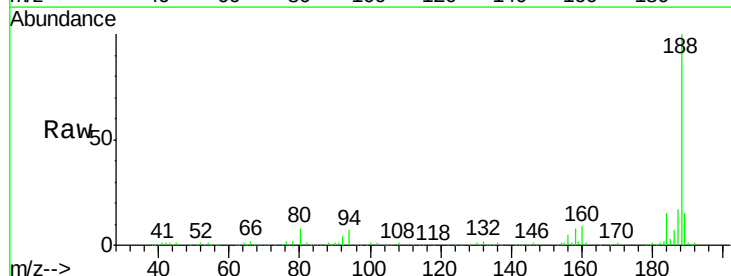
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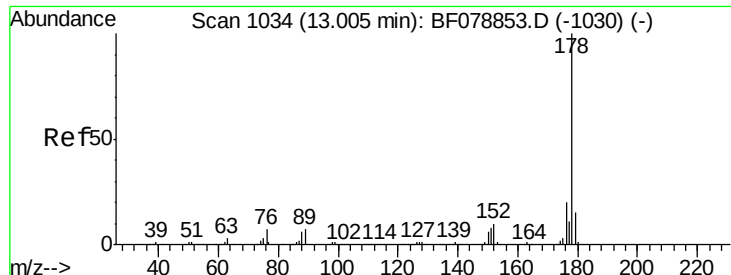
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		274711		
94	7.5	9.4	14.0#		
80	7.7	9.8	14.6#		





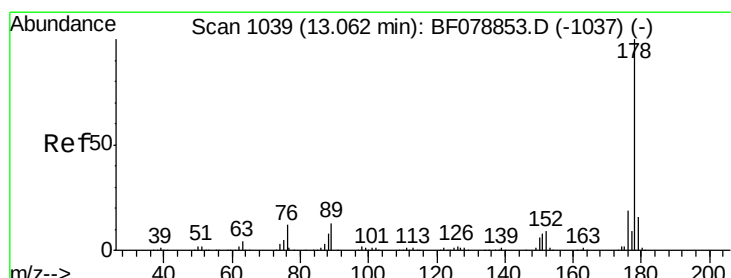
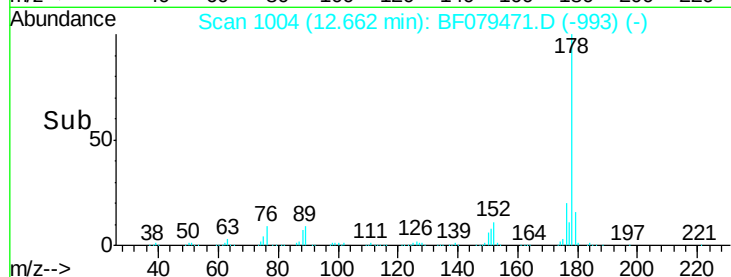
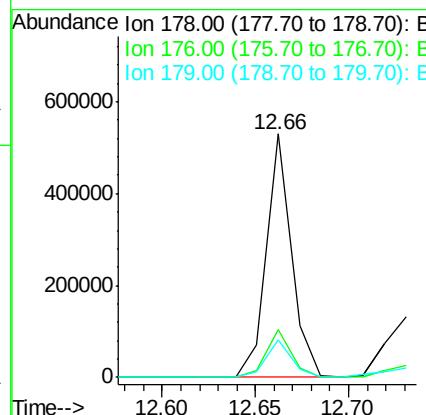
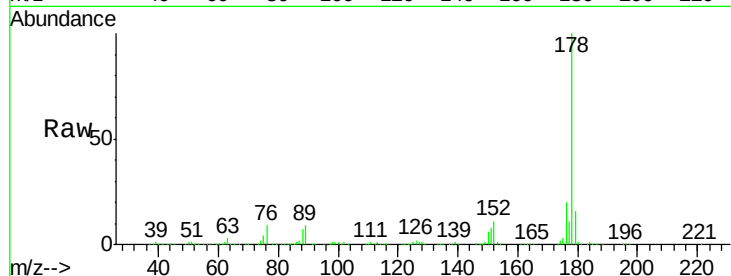
#70
 Phenanthrene
 Concen: 32.04 ng
 RT: 12.66 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-28D

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	15.6	12.2	18.4

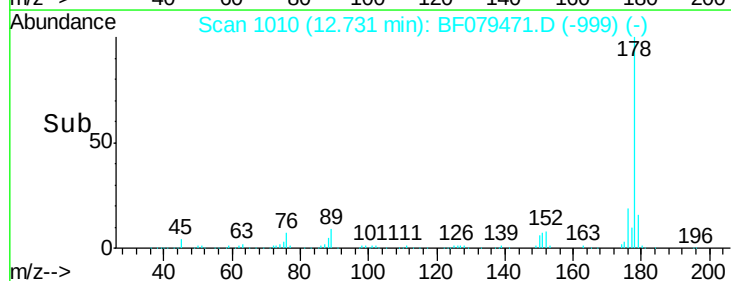
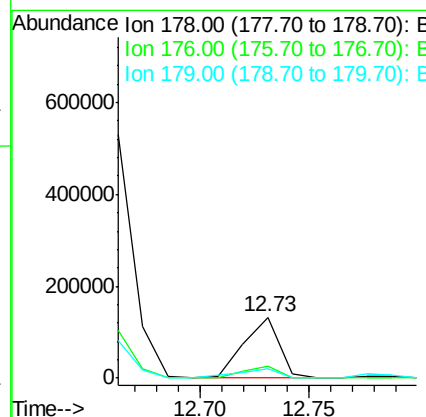
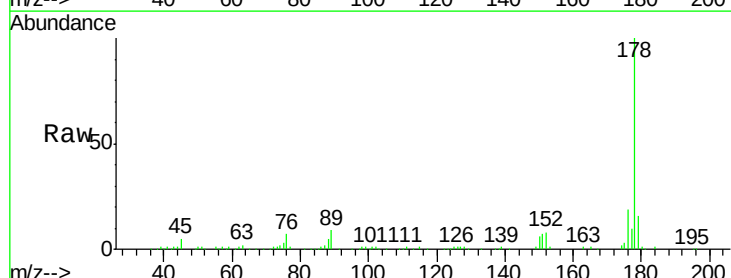
Manual Integrations
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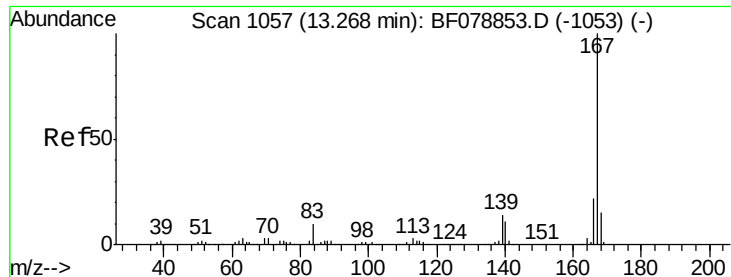
apatel
 5/27/2015 8:18:38 AM



#71
 Anthracene
 Concen: 9.69 ng
 RT: 12.73 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.7	12.6	19.0





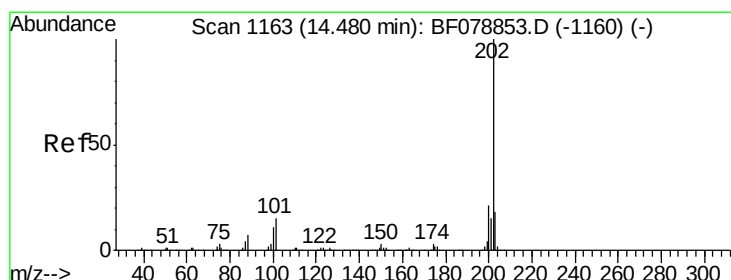
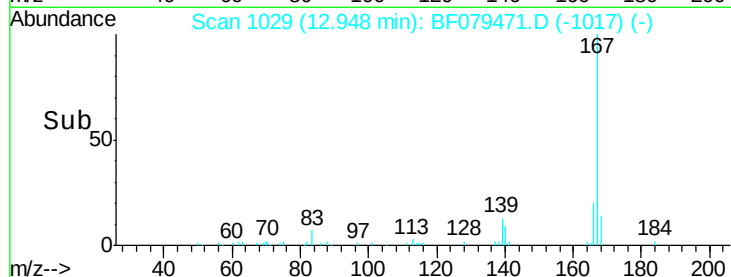
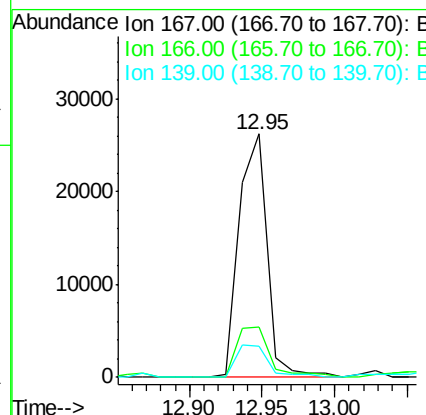
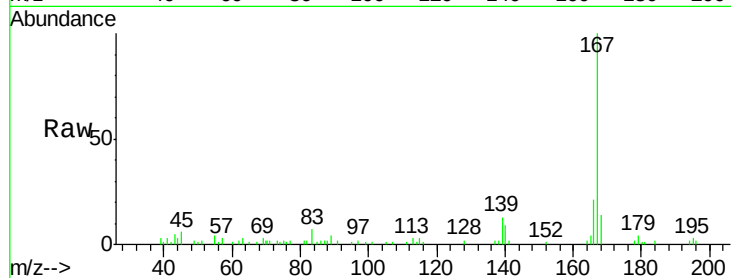
#72
 Carbazole
 Concen: 2.45 ng
 RT: 12.95 min Scan# 1029
 Delta R.T. 0.01 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-28D

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	20.9		17.5	26.3
139	12.9		11.0	16.4

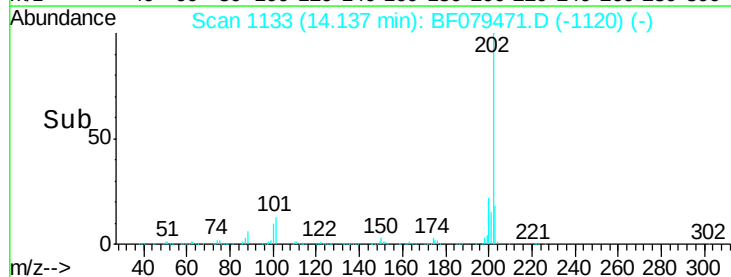
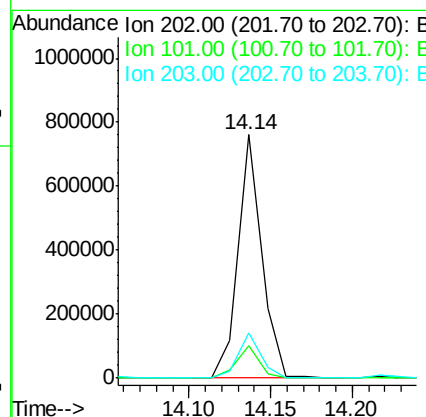
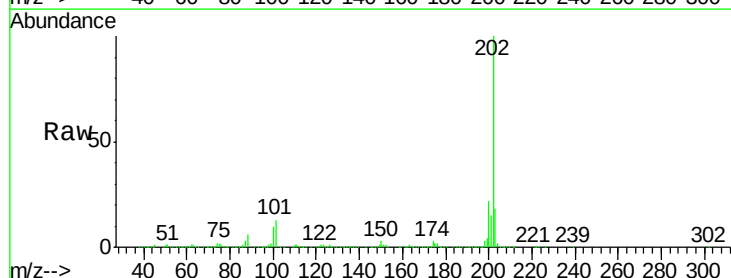
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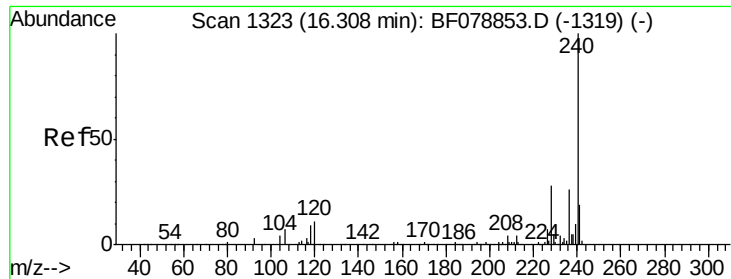
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#74
 Fluoranthene
 Concen: 47.22 ng
 RT: 14.14 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	13.4		0.0	34.7
203	18.5		0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.92 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Instrument :

BNA_F

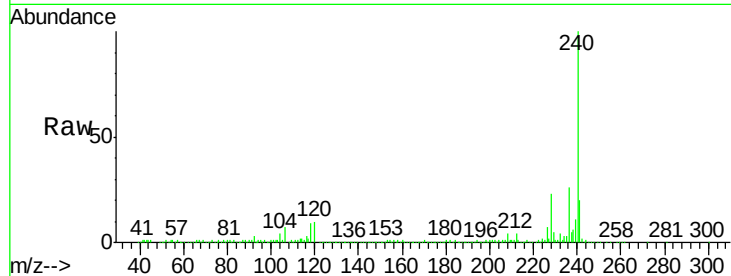
ClientSampleId :

SB-28D

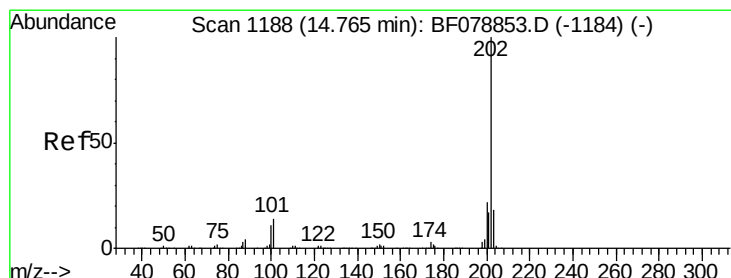
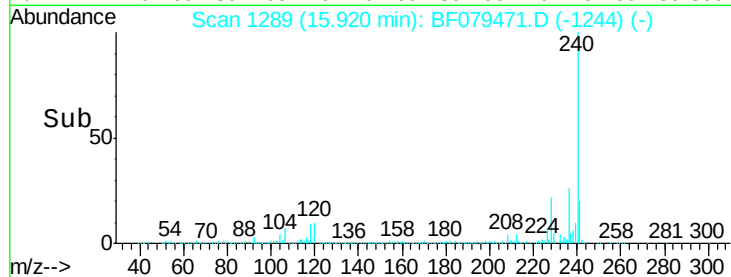
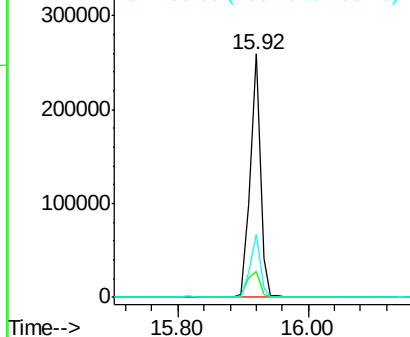
Tot Ion:	240	Resp:	282678
Ion Ratio	Lower	Upper	
240	100		
120	10.5	8.6	12.8
236	26.1	21.0	31.6

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 42.71 ng

RT: 14.41 min Scan# 1157

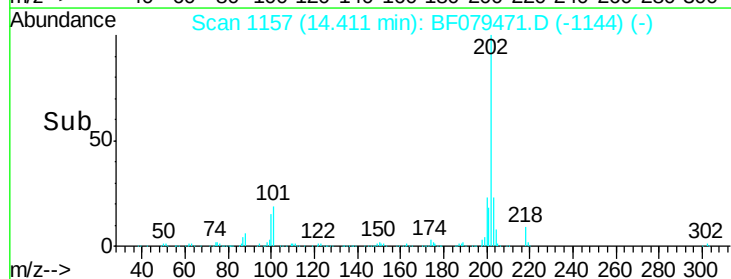
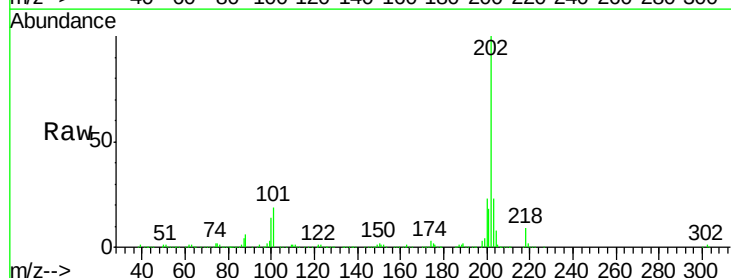
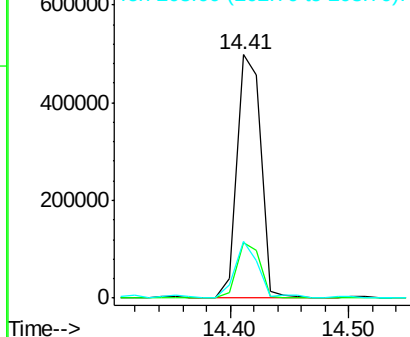
Delta R.T. -0.00 min

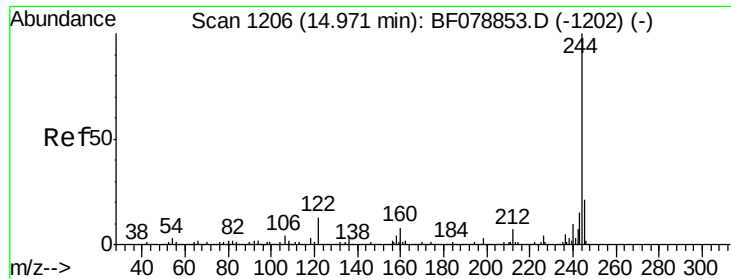
Lab File: BF079471.D

Acq: 23 May 2015 12:13

Tgt Ion:	202	Resp:	695704
Ion Ratio	Lower	Upper	
202	100		
200	22.9	17.5	26.3
203	23.2	14.7	22.1#

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





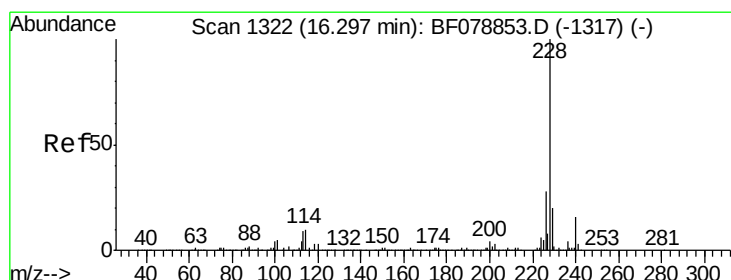
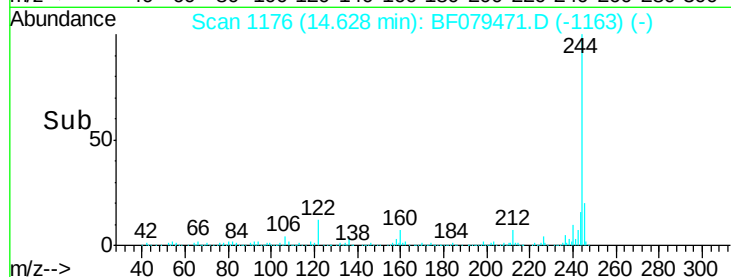
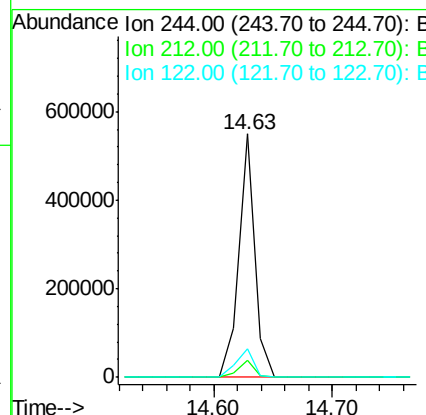
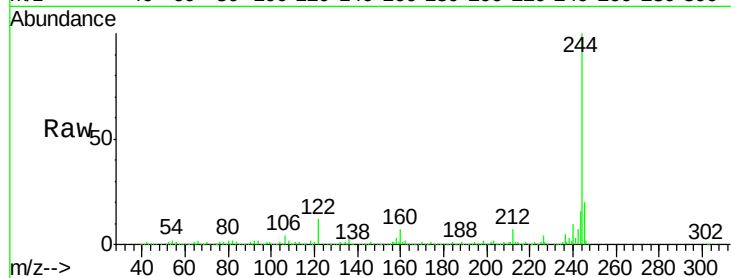
#78
 Terphenyl-d14
 Concen: 43.79 ng
 RT: 14.63 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-28D

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.7	10.5	15.7

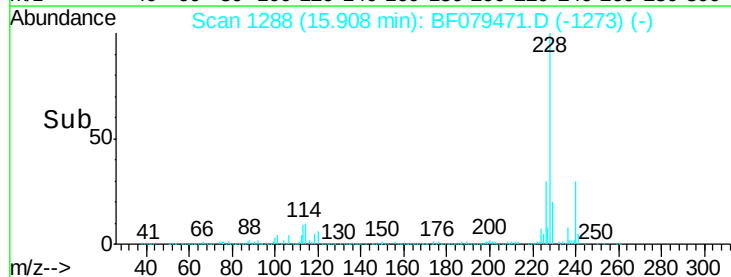
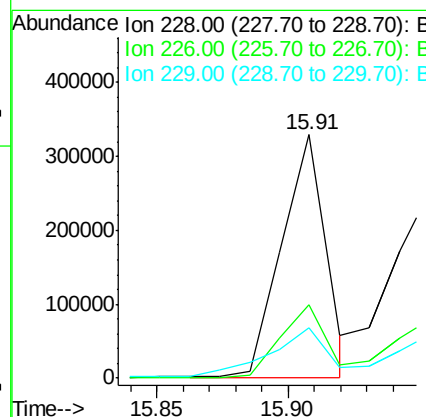
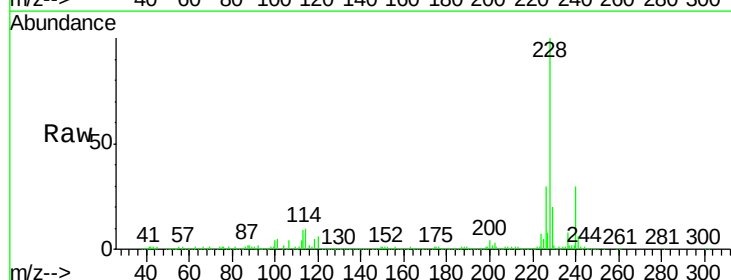
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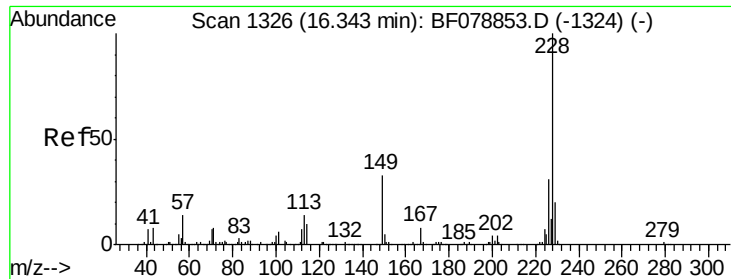
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#80
 Benzo(a)anthracene
 Concen: 25.30 ng m
 RT: 15.91 min Scan# 1288
 Delta R.T. 0.01 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.3	33.5
229	20.4	16.1	24.1





#82

Chrysene

Concen: 23.89 ng/mL

RT: 15.95 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Instrument :

BNA_F

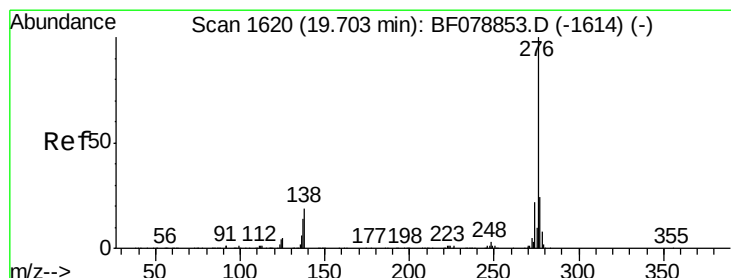
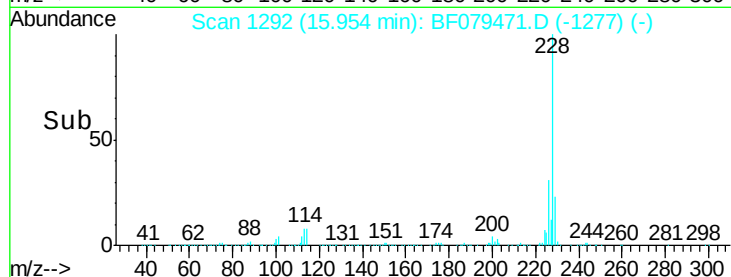
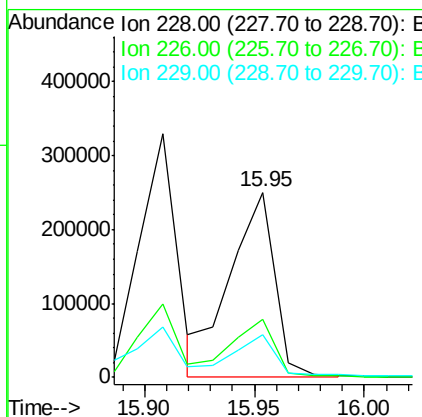
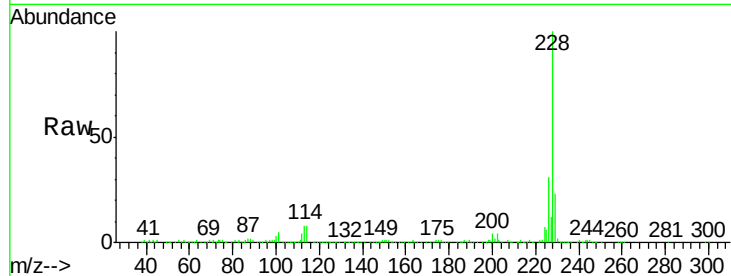
ClientSampled :

SB-28D

Tot Ion:	228	Resp:	355653
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.8	37.2
229	22.9	16.1	24.1

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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.77 ng/mL

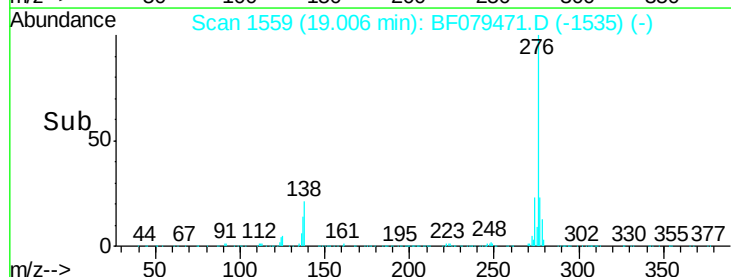
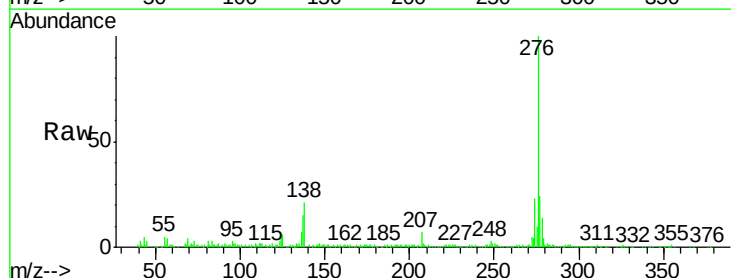
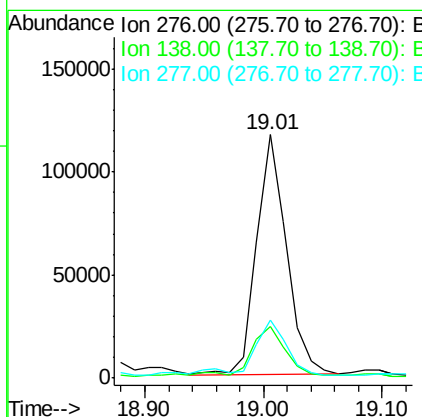
RT: 19.01 min Scan# 1559

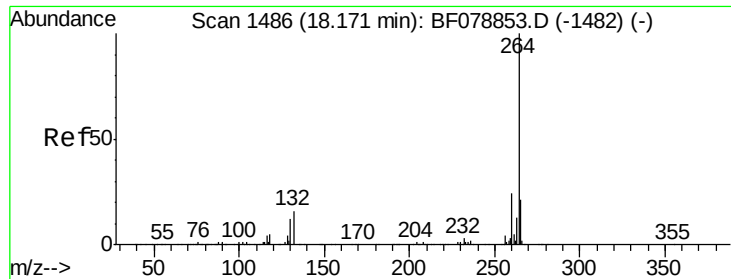
Delta R.T. 0.07 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Tgt Ion:	276	Resp:	204377
Ion Ratio	Lower	Upper	
276	100		
138	25.1	21.1	31.7
277	27.6	19.9	29.9





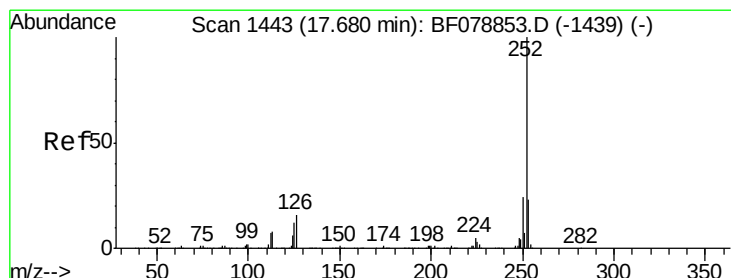
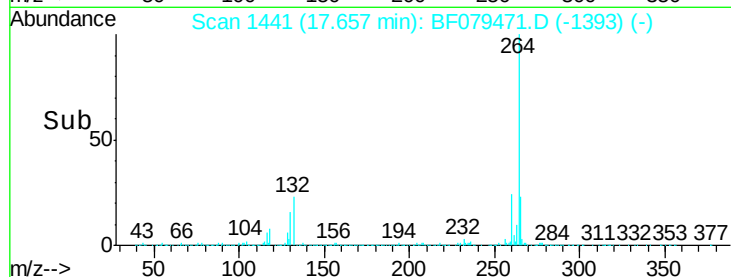
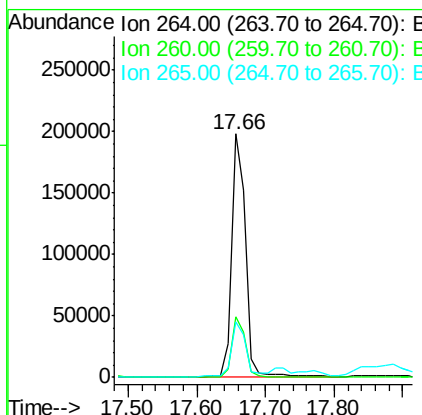
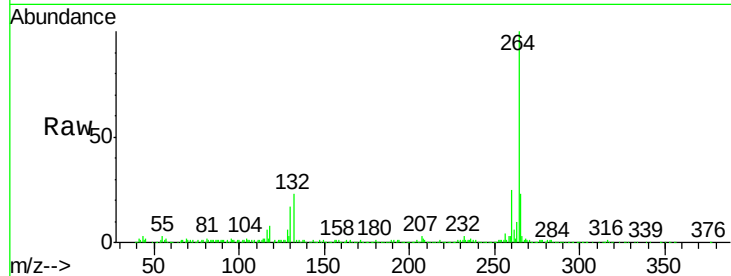
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.66 min Scan# 1441
Delta R.T. 0.05 min
Lab File: BF079471.D
Acq: 23 May 2015 12:13

Instrument :
BNA_F
ClientSampled :
SB-28D

Tot Ion	Ratio	Resp	Lower	Upper
264	100	283846		
260	24.7		19.2	28.8
265	22.9		17.2	25.8

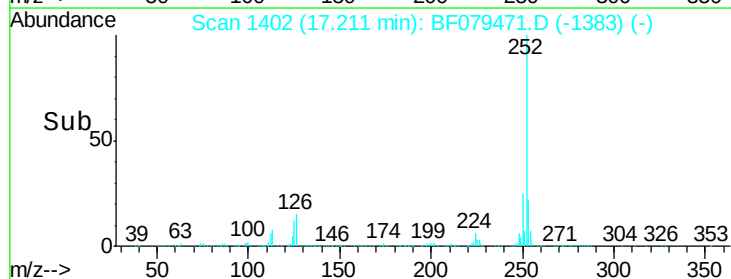
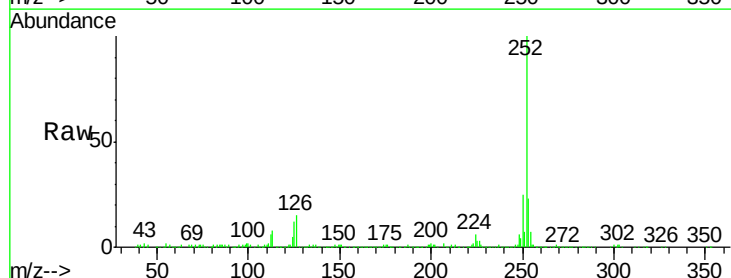
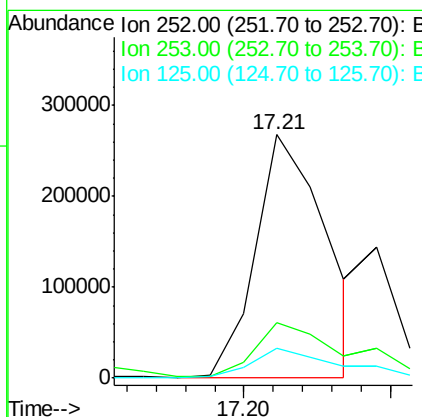
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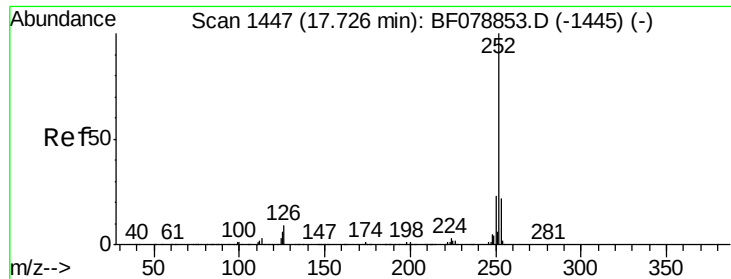
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#87
Benzo(b)fluoranthene
Concen: 29.17 ng m
RT: 17.21 min Scan# 1402
Delta R.T. 0.03 min
Lab File: BF079471.D
Acq: 23 May 2015 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	453231		
253	22.5		18.1	27.1
125	12.3		9.4	14.2





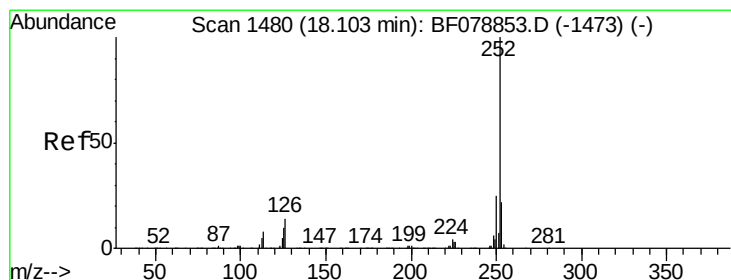
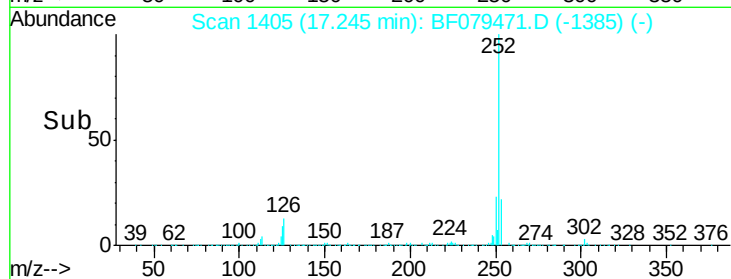
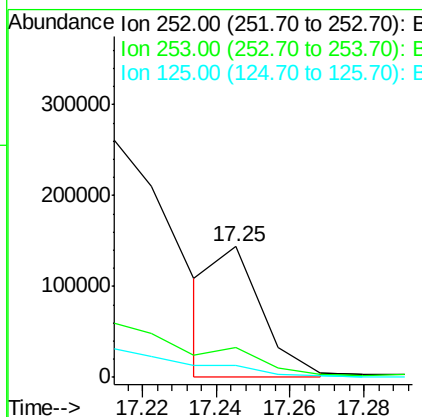
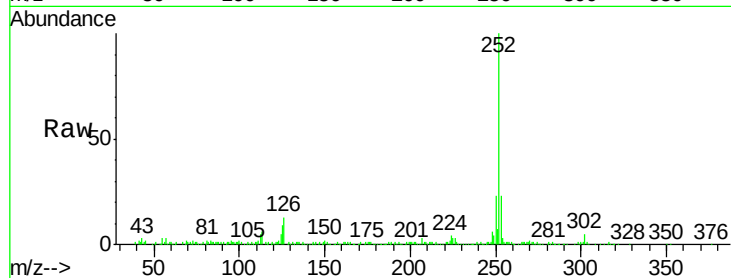
#88
Benzo(k)fluoranthene
Concen: 8.29 ng/mL
RT: 17.25 min Scan# 1405
Delta R.T. 0.05 min
Lab File: BF079471.D
Acq: 23 May 2015 12:13

Instrument :
BNA_F
ClientSampleId :
SB-28D

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	9.2	6.1	9.1

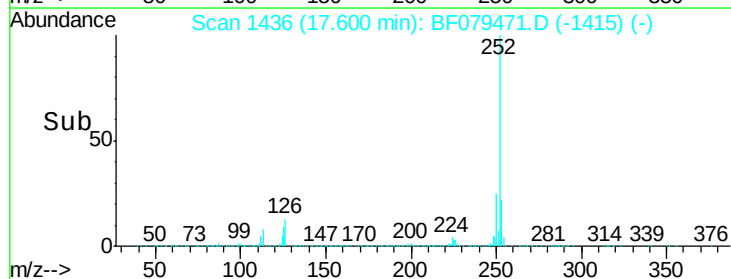
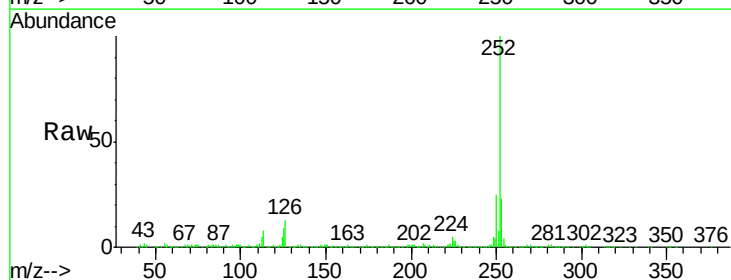
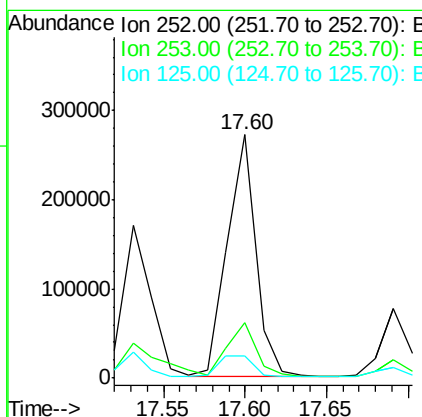
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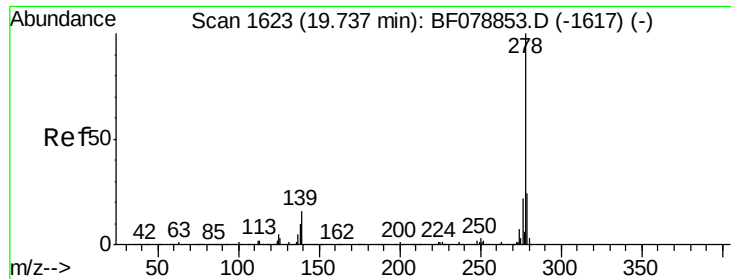
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#89
Benzo(a)pyrene
Concen: 22.67 ng/mL
RT: 17.60 min Scan# 1436
Delta R.T. 0.06 min
Lab File: BF079471.D
Acq: 23 May 2015 12:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	9.4	8.2	12.2





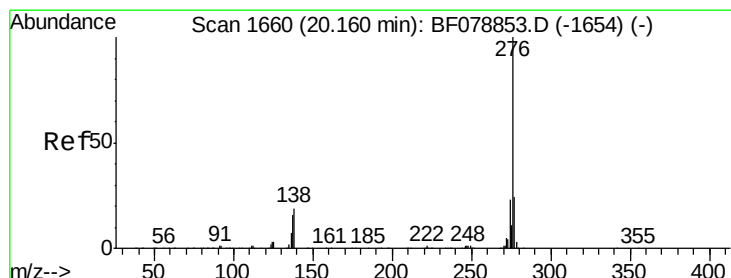
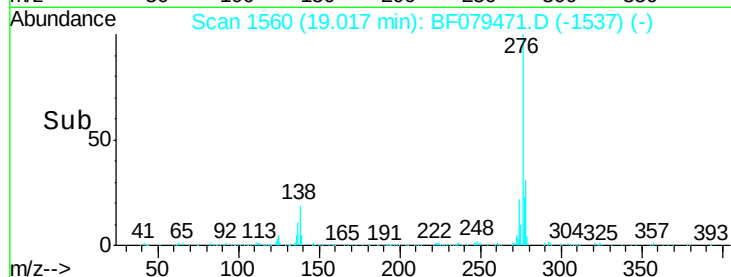
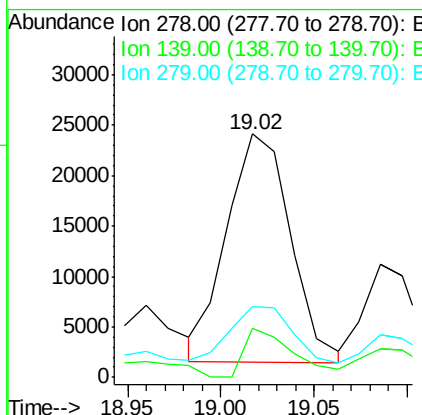
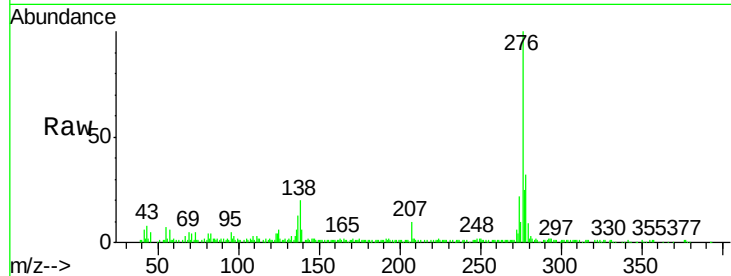
#90
Dibenzo(a,h)anthracene
Concen: 3.58 ng
RT: 19.02 min Scan# 1560
Delta R.T. 0.06 min
Lab File: BF079471.D
Acq: 23 May 2015 12:13

Instrument :
BNA_F
ClientSampleId :
SB-28D

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.1	13.1	19.7#
279	29.3	19.1	28.7#

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#91
Benzo(g,h,i)perylene
Concen: 13.11 ng
RT: 19.39 min Scan# 1593
Delta R.T. 0.07 min
Lab File: BF079471.D
Acq: 23 May 2015 12:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	23.9	15.2	22.8#

