

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079530.D
 Acq On : 27 May 2015 20:56
 Operator : TP/IZ
 Sample : G2387-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-18-SS

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Quant Time: May 28 01:40:07 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 00:48:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	64096	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	270097	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	134850	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	249633	20.00	ng	0.00
75) Chrysene-d12	15.89	240	268313	20.00	ng	-0.06
86) Perylene-d12	17.71	264	287004	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	314203m	85.02	ng	0.00
7) Phenol-d6	6.59	99	436278m	92.62	ng	0.00
23) Nitrobenzene-d5	7.70	82	259008	55.43	ng	0.00
41) 2,4,6-Tribromophenol	11.73	330	124658	84.16	ng	-0.01
44) 2-Fluorobiphenyl	9.93	172	486833	51.51	ng	0.00
78) Terphenyl-d14	14.58	244	487219	42.62	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.60	128	74460	5.74	ng	98
37) 2-Methylnaphthalene	9.46	142	37432	4.16	ng	98
48) Acenaphthylene	10.57	152	108996	7.89	ng	99
54) Dibenzofuran	11.00	168	23346	2.00	ng	# 97
70) Phenanthrene	12.61	178	104427	7.63	ng	100
71) Anthracene	12.67	178	99758	7.17	ng	98
74) Fluoranthene	14.08	202	237095	16.14	ng	94
77) Pyrene	14.37	202	278639	16.76	ng	98
80) Benzo(a)anthracene	15.87	228	226420m	14.67	ng	
82) Chrysene	15.92	228	237204	16.17	ng	97
85) Indeno(1,2,3-cd)pyrene	19.07	276	253667m	13.44	ng	
87) Benzo(b)fluoranthene	17.25	252	541004m	33.05	ng	
88) Benzo(k)fluoranthene	17.27	252	185039m	12.64	ng	
89) Benzo(a)pyrene	17.65	252	304488	20.15	ng	99
90) Dibenzo(a,h)anthracene	19.09	278	59967m	2.56	ng	
91) Benzo(g,h,i)perylene	19.46	276	223178	13.56	ng	96

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

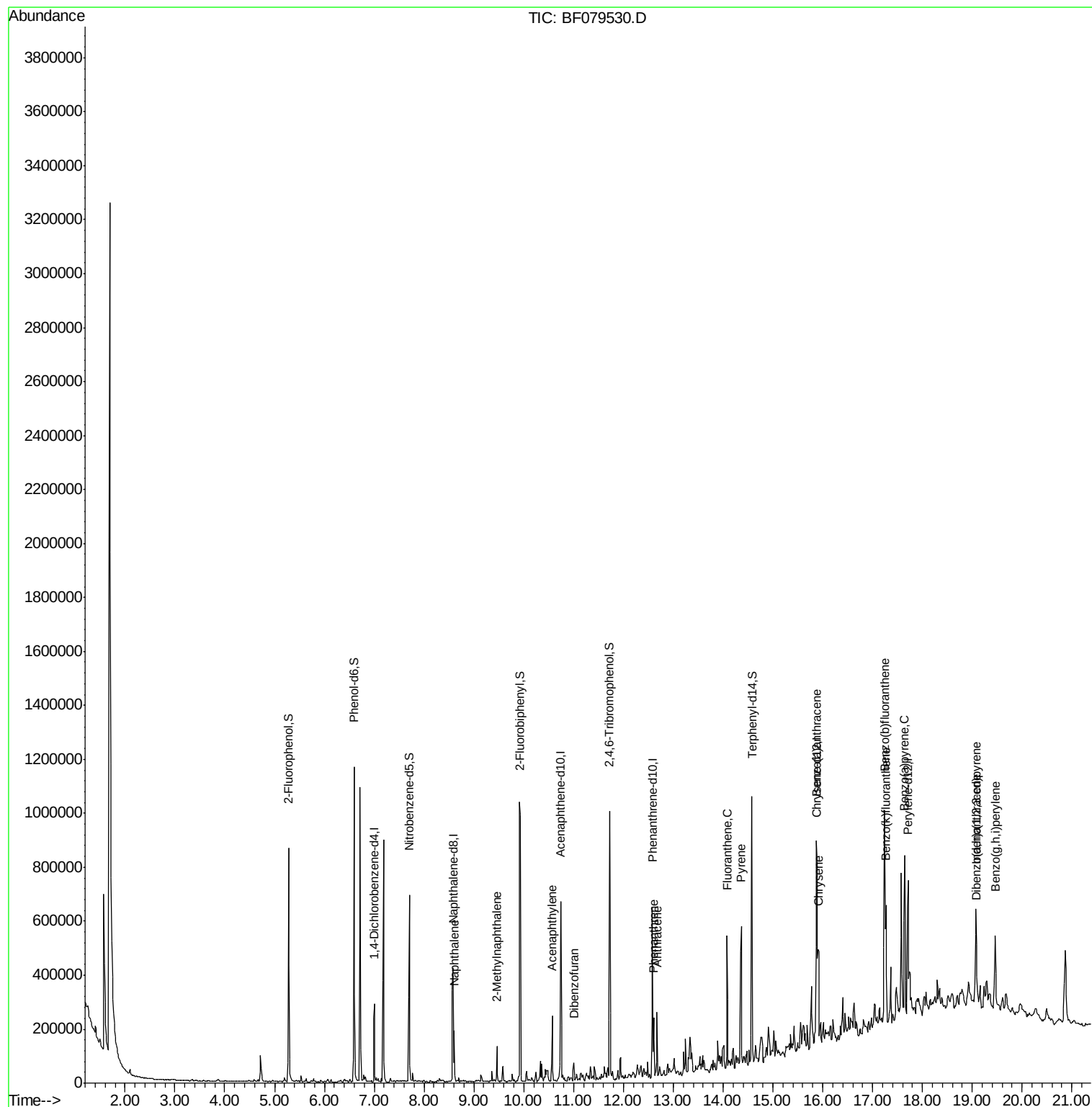
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
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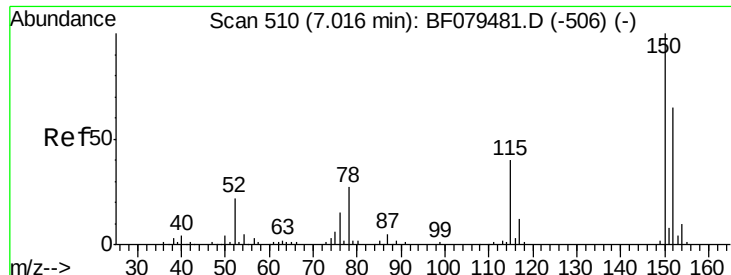
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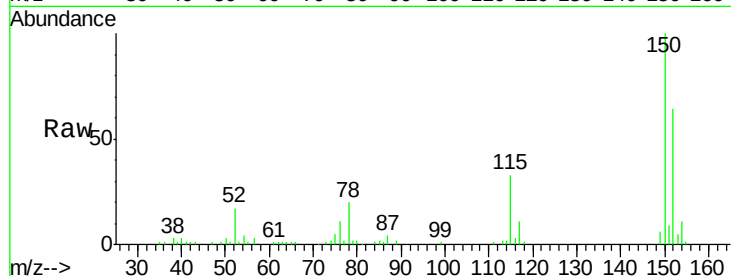




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF079530.D
Acq: 27 May 2015 20:56

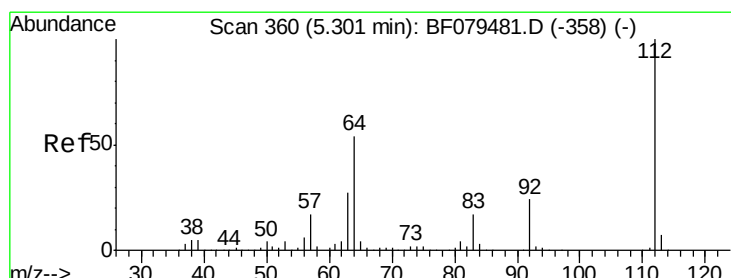
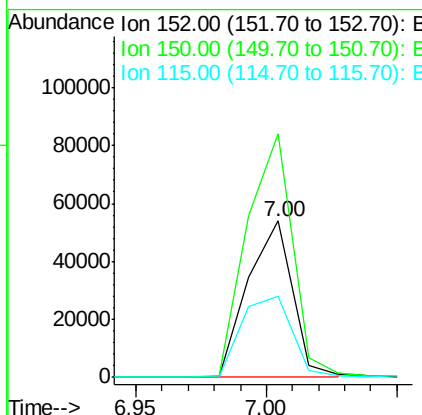
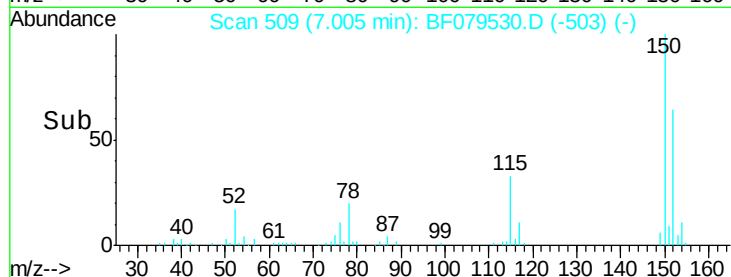
Instrument :
BNA_F
ClientSampleId :
TP-18-SS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.0	186.0
115	51.5	49.6	74.4

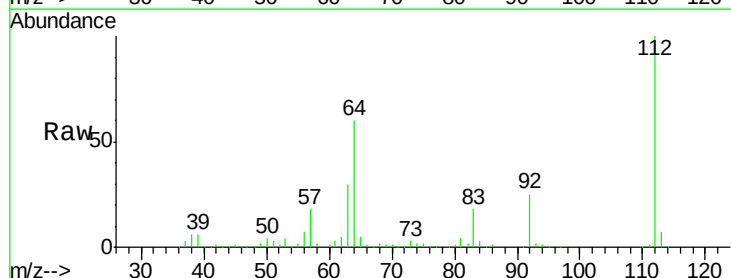
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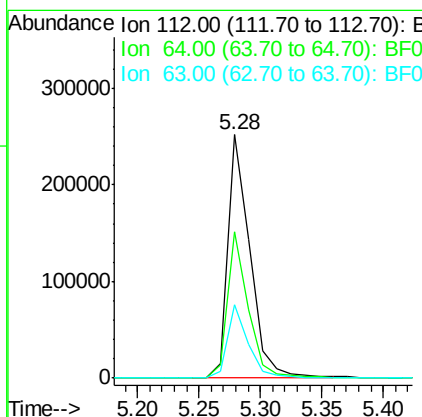
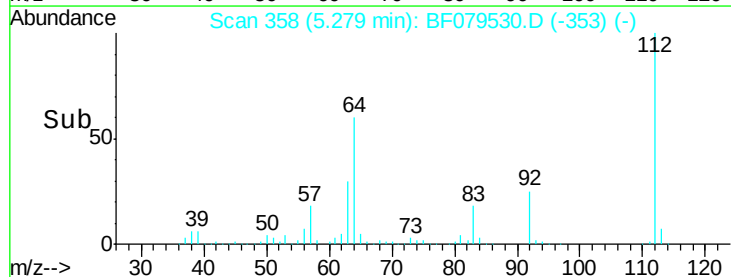


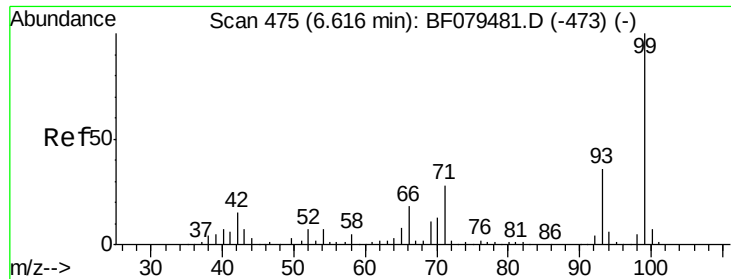
#5

2-Fluorophenol
Concen: 85.02 ng m
RT: 5.28 min Scan# 358
Delta R.T. -0.00 min
Lab File: BF079530.D
Acq: 27 May 2015 20:56



Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	43.5	65.3
63	29.9	21.8	32.8





#7

Phenol-d6

Concen: 92.62 ng m

RT: 6.59 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Instrument :

BNA_F

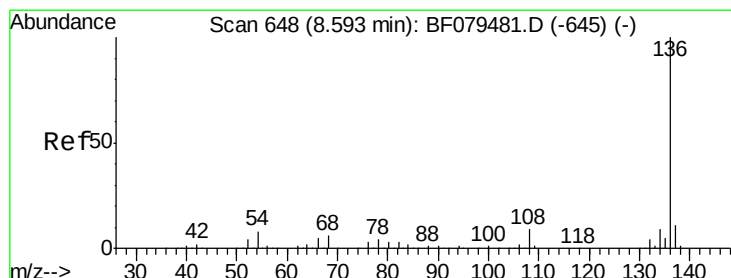
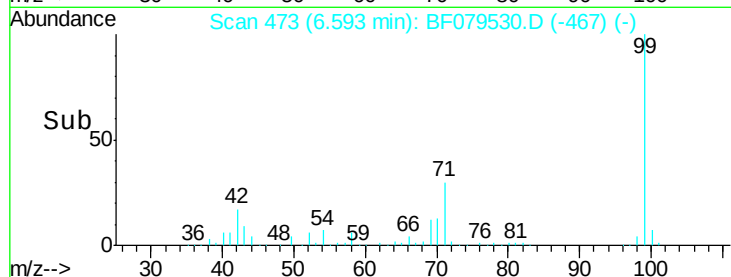
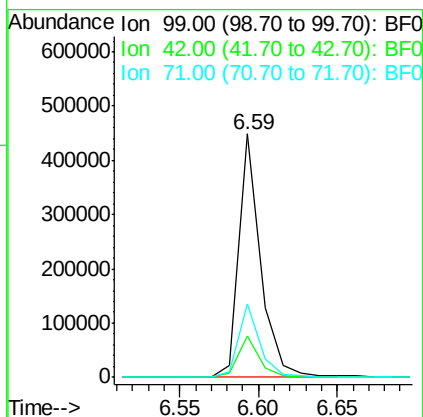
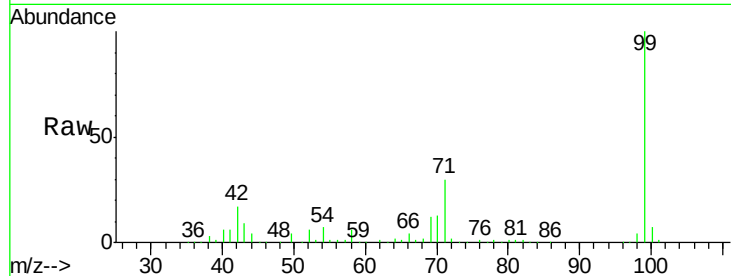
ClientSampleId :

TP-18-SS

Tgt Ion:	99	Resp:	436278
Ion Ratio	Lower	Upper	
99	100		
42	17.0	11.9	17.9
71	30.0	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

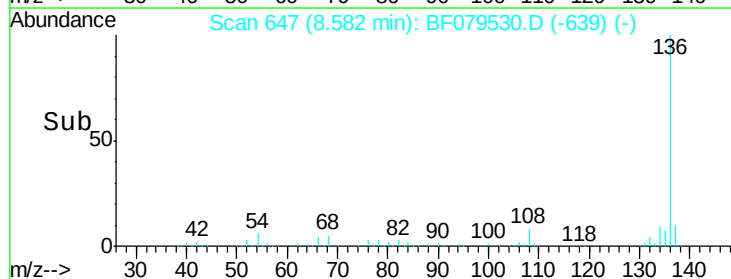
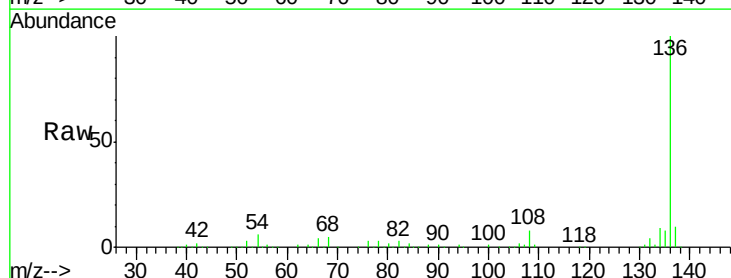
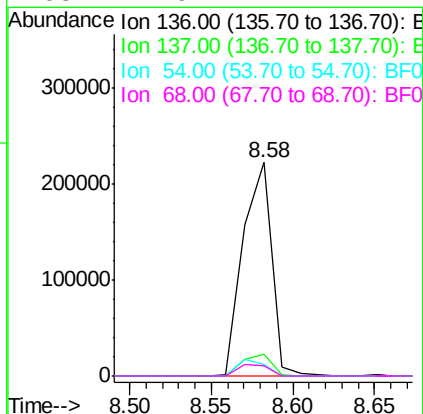
RT: 8.58 min Scan# 647

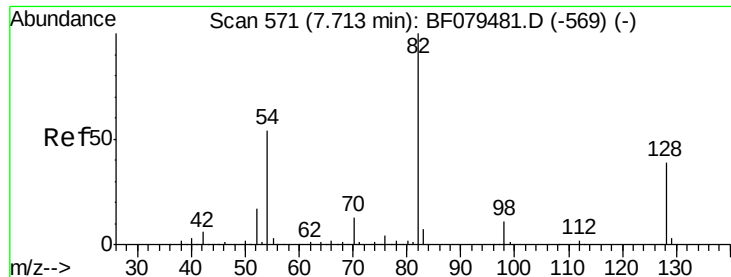
Delta R.T. -0.00 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Tgt Ion:	136	Resp:	270097
Ion Ratio	Lower	Upper	
136	100		
137	10.0	8.5	12.7
54	5.7	6.6	9.8
68	4.9	4.7	7.1





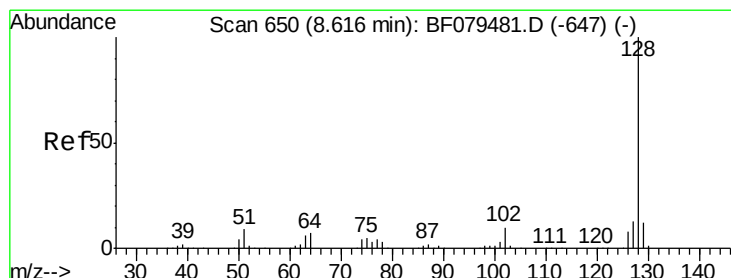
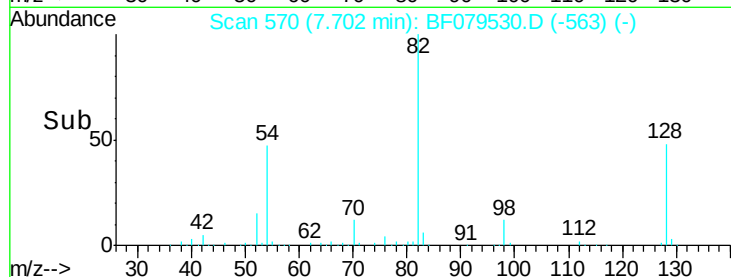
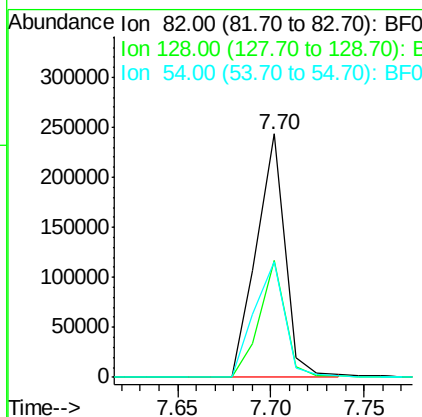
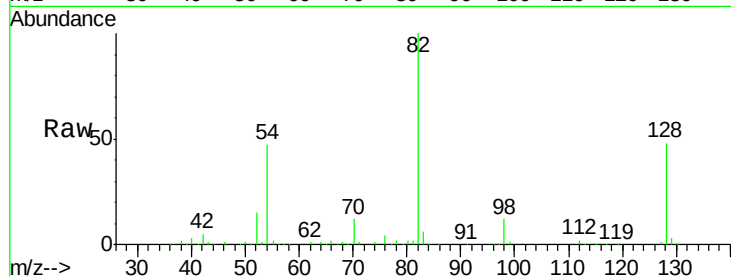
#23
 Nitrobenzene-d5
 Concen: 55.43 ng
 RT: 7.70 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-18-SS

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	259008		
128	48.1	30.8	46.2#	
54	47.5	42.8	64.2	

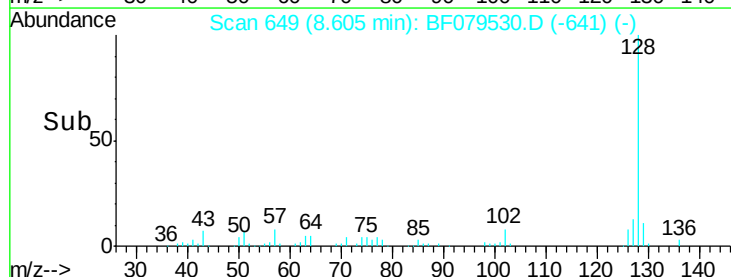
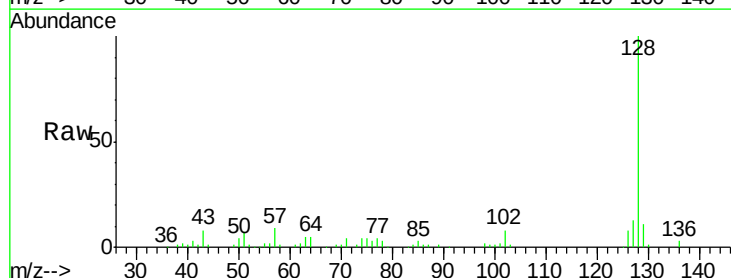
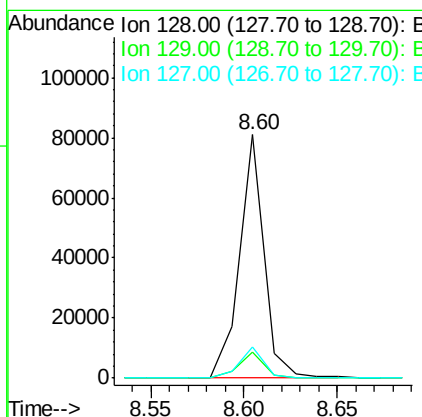
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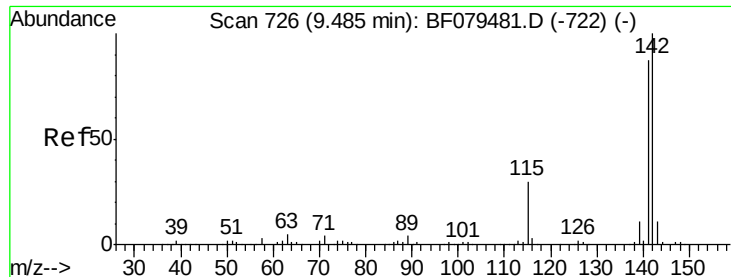
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#31
 Naphthalene
 Concen: 5.74 ng
 RT: 8.60 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	74460		
129	10.6	9.3	13.9	
127	13.0	10.6	15.8	





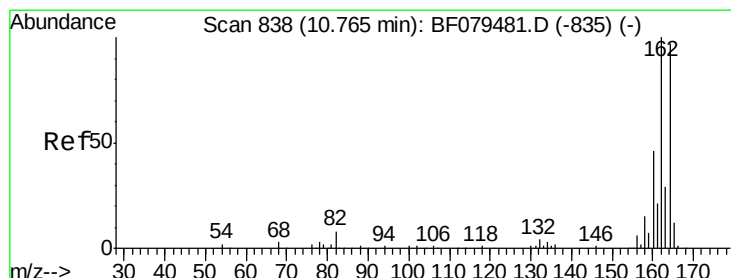
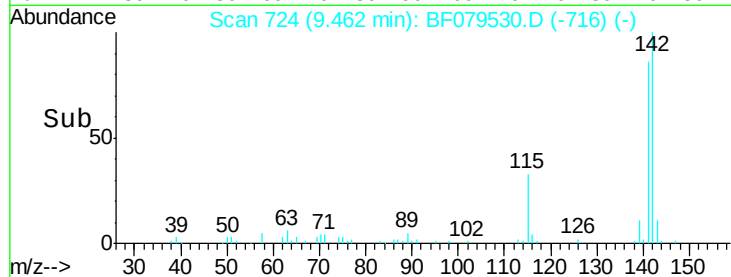
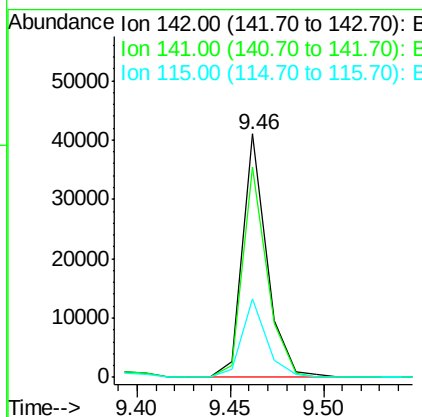
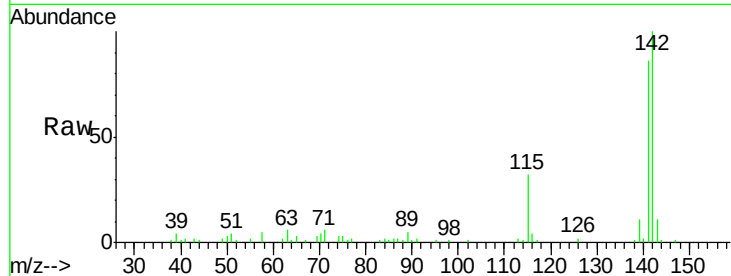
#37
 2-Methylnaphthalene
 Concen: 4.16 ng
 RT: 9.46 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Instrument :
 BNA_F
 ClientSampled :
 TP-18-SS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.4	69.5	104.3
115	32.3	23.8	35.6

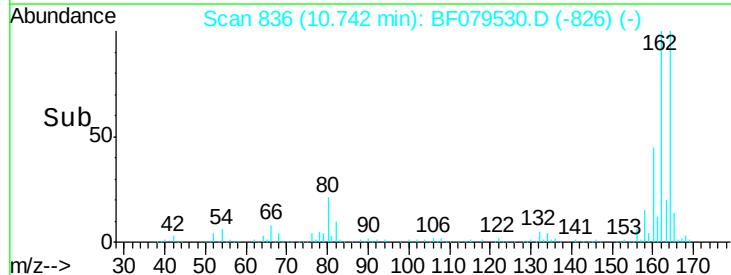
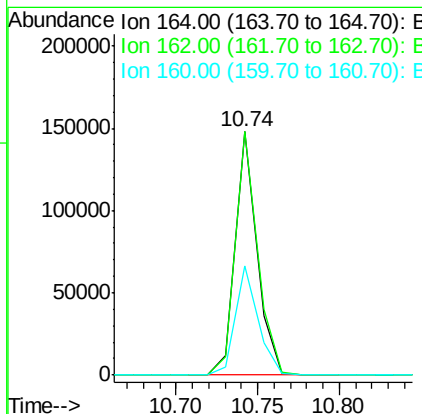
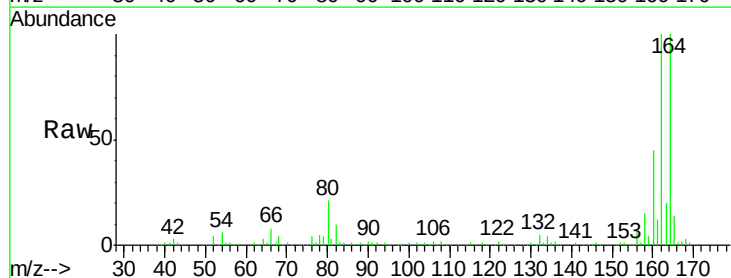
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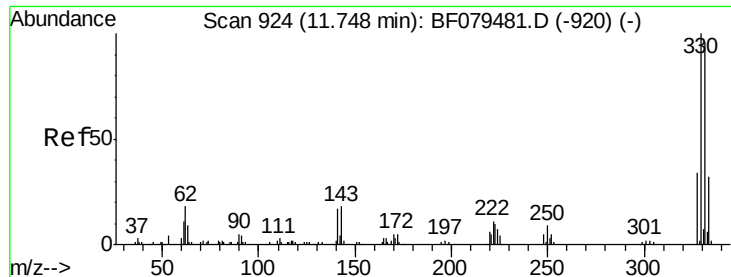
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.74 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.6	124.0
160	44.7	37.7	56.5





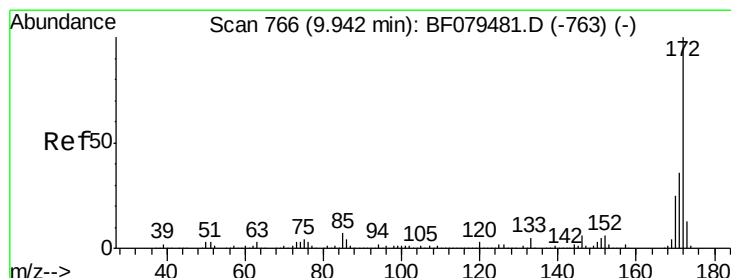
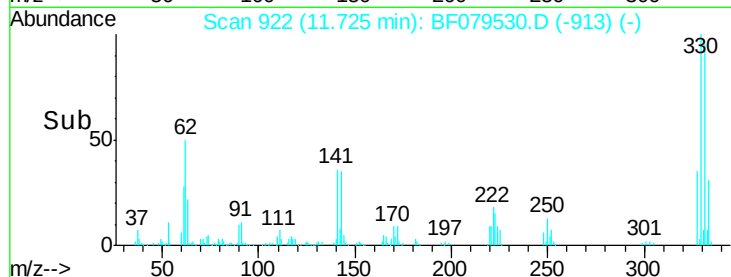
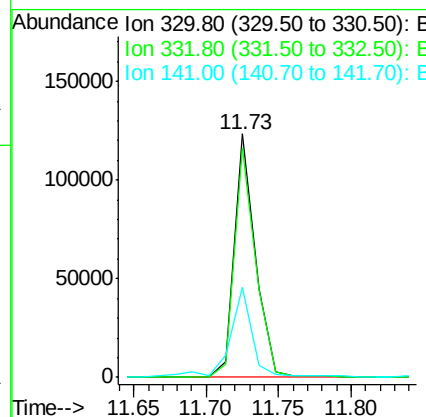
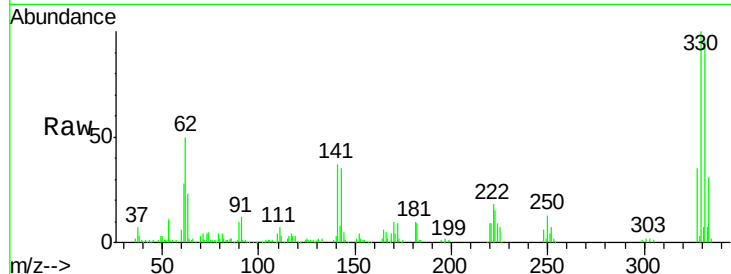
#41
 2,4,6-Tribromophenol
 Concen: 84.16 ng
 RT: 11.73 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-18-SS

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	95.3	0.0	0.0#
141	38.4	0.0	0.0#

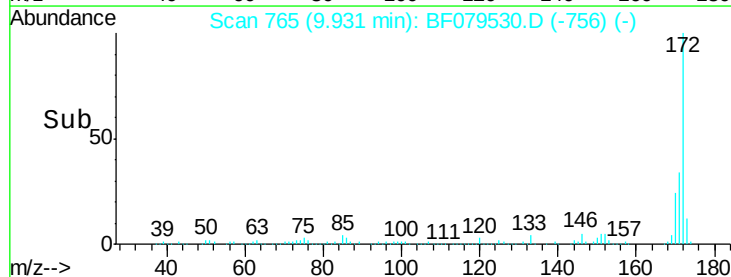
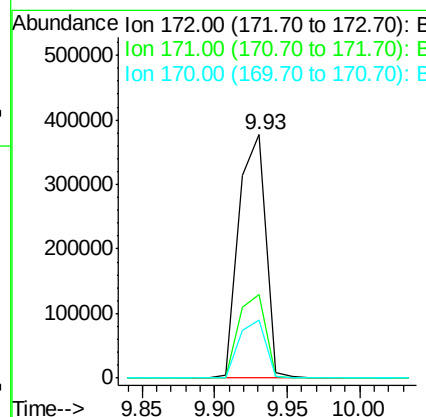
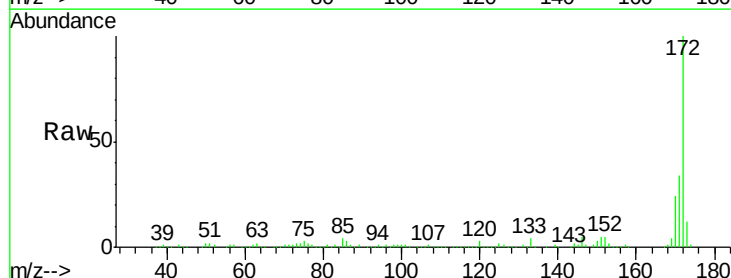
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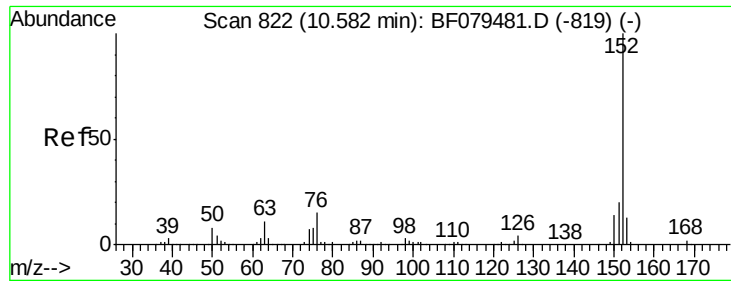
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#44
 2-Fluorobiphenyl
 Concen: 51.51 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.2	28.5	42.7
170	23.6	19.7	29.5





#48

Acenaphthylene

Concen: 7.89 ng

RT: 10.57 min Scan# 821

Delta R.T. -0.00 min

Lab File: BF079530.D

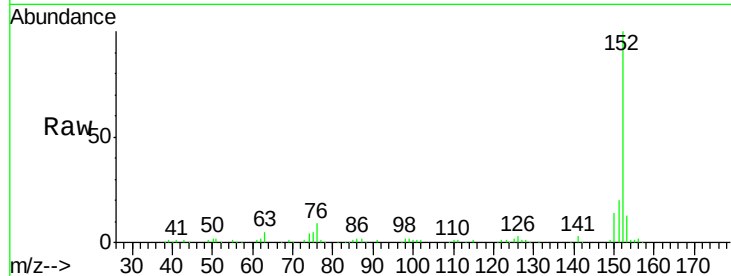
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Instrument :

BNA_F

ClientSampleId :

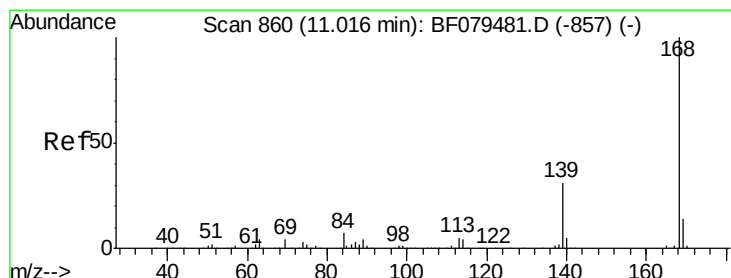
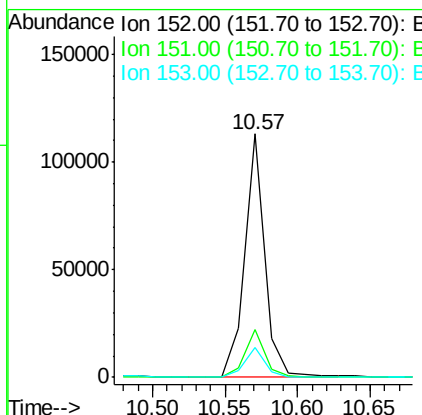
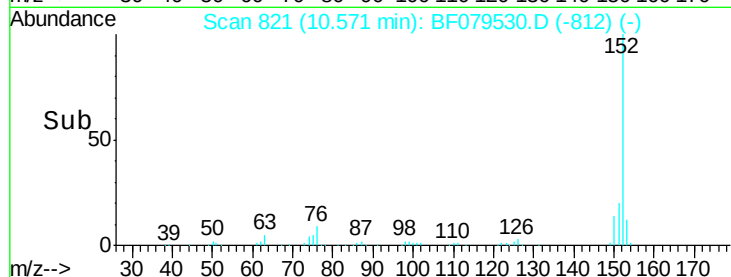
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	108996		
151	19.9	15.8	23.8	
153	12.5	10.7	16.1	

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#54

Dibenzofuran

Concen: 2.00 ng

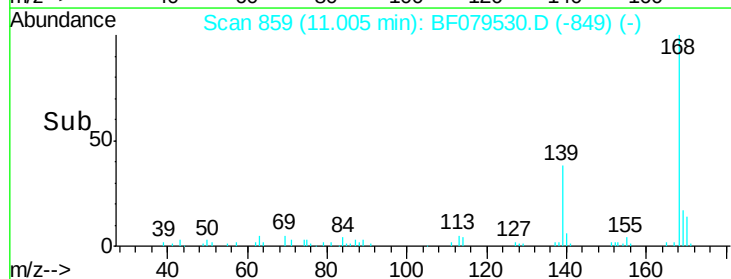
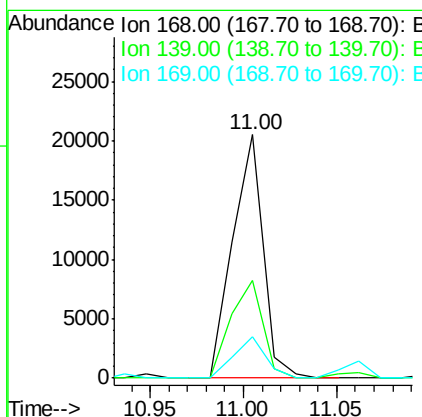
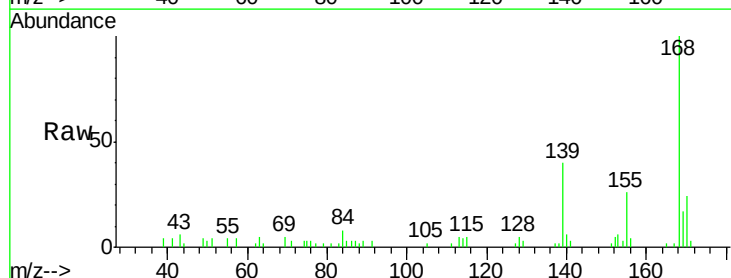
RT: 11.00 min Scan# 859

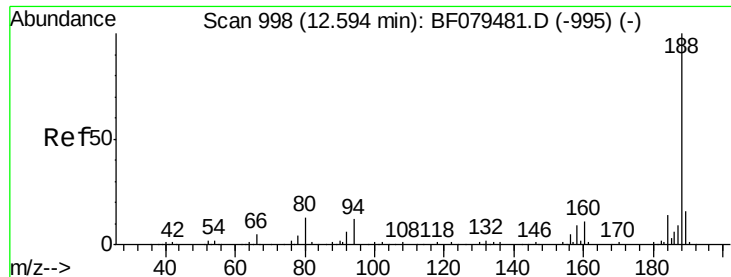
Delta R.T. -0.00 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	23346		
139	39.9	32.9	49.3	
169	17.2	11.1	16.7#	





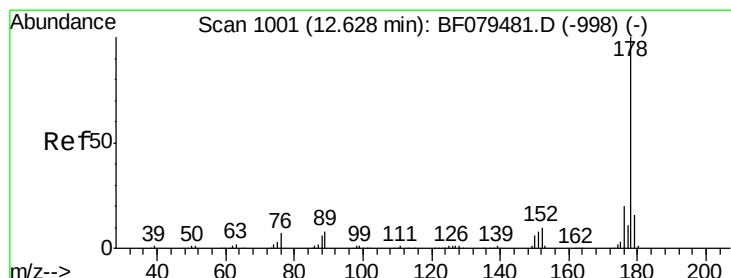
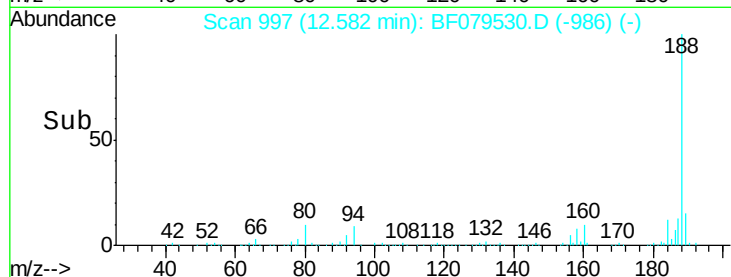
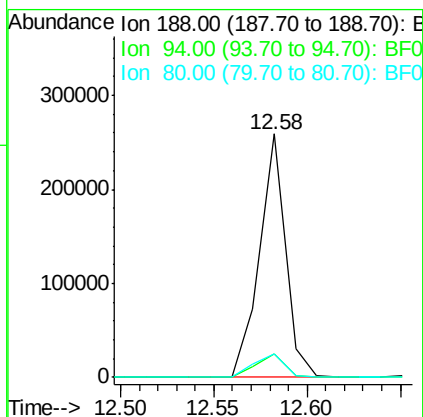
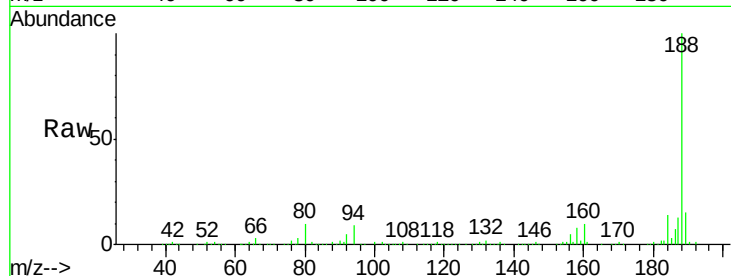
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.58 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-18-SS

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.4	9.8	14.6#
80	9.7	10.5	15.7#

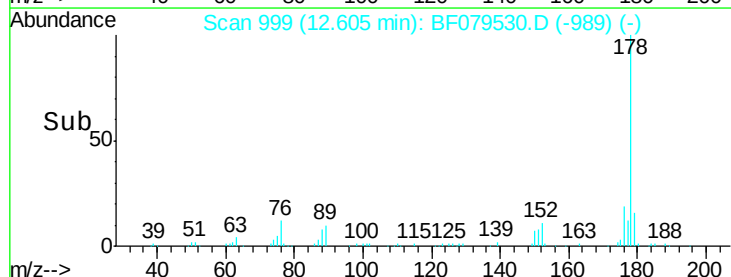
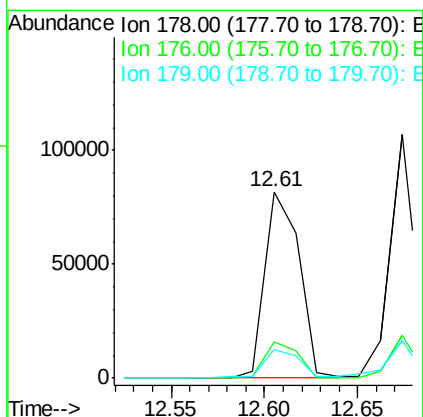
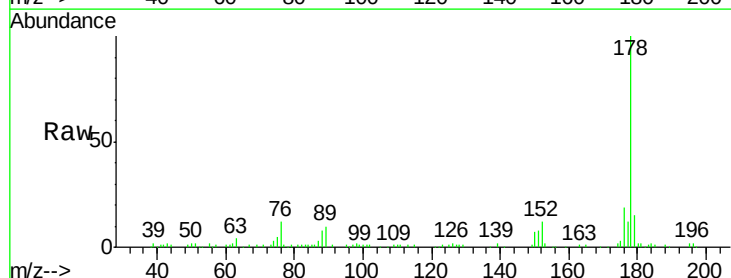
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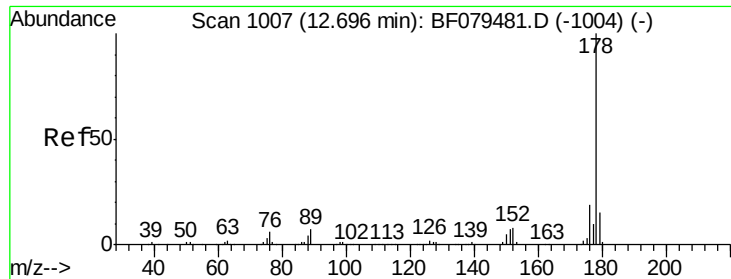
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#70
 Phenanthrene
 Concen: 7.63 ng
 RT: 12.61 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	15.7	23.5
179	15.5	12.4	18.6





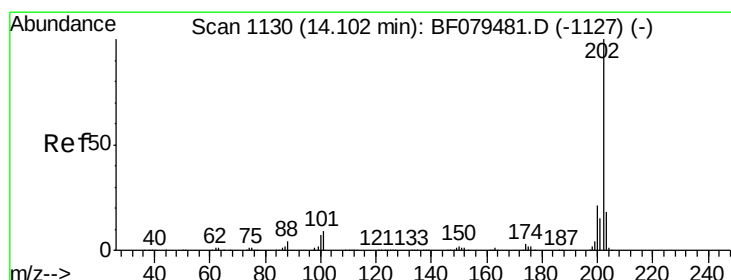
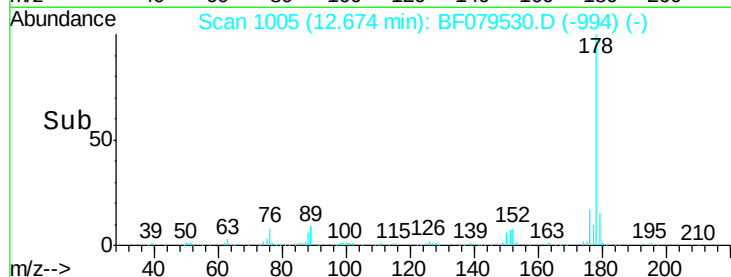
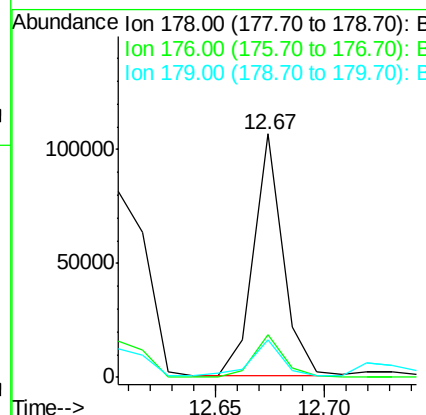
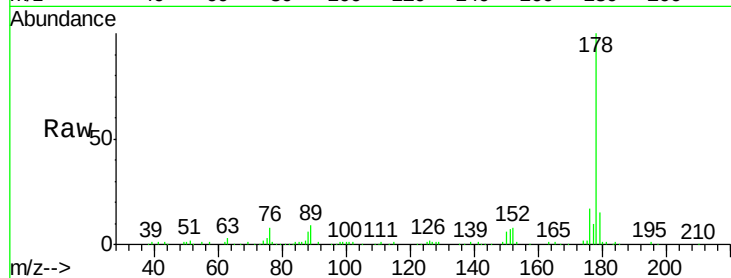
#71
 Anthracene
 Concen: 7.17 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-18-SS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.3	22.9
179	15.4	12.2	18.4

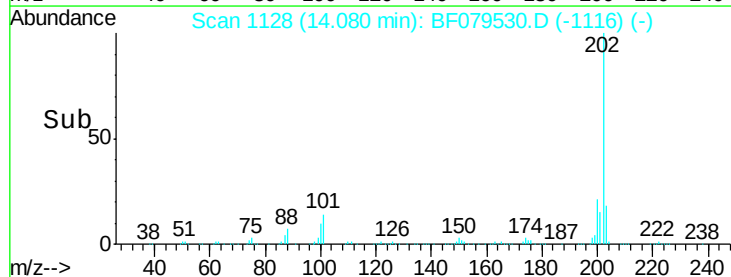
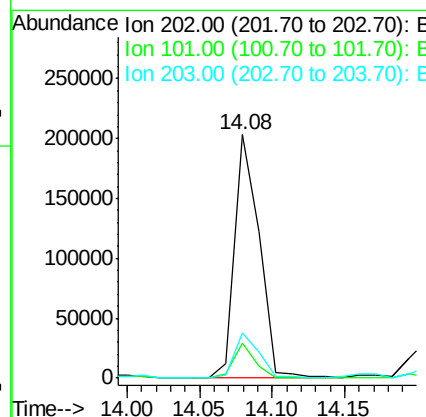
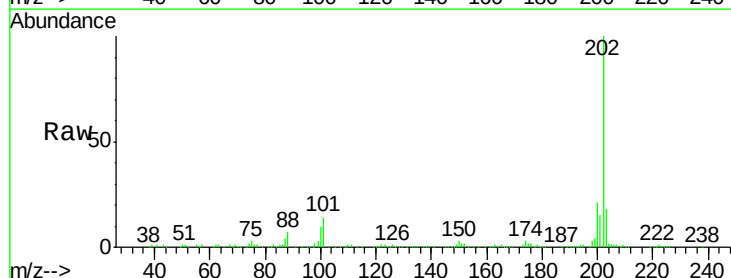
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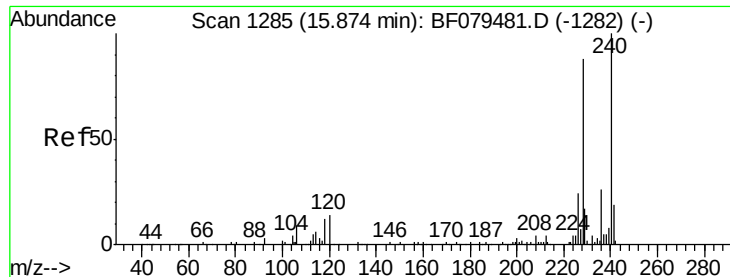
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#74
 Fluoranthene
 Concen: 16.14 ng
 RT: 14.08 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	29.3
203	18.5	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.89 min Scan# 1286

Delta R.T. -0.06 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Instrument :

BNA_F

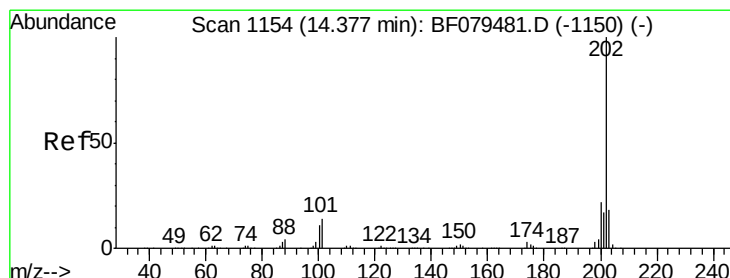
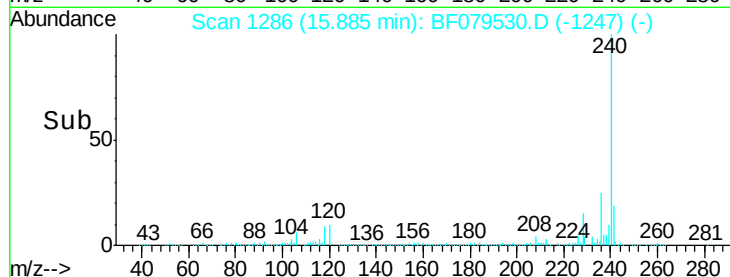
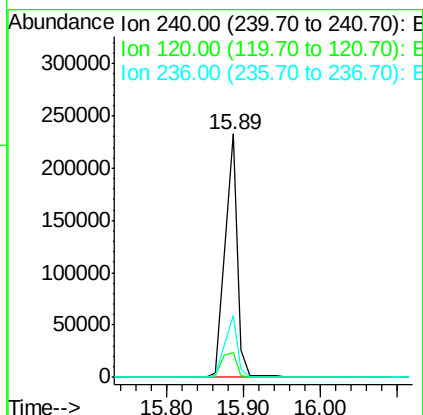
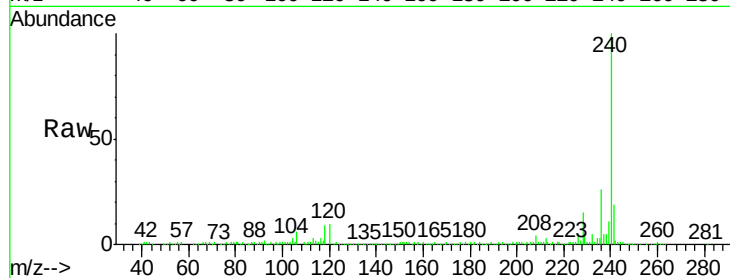
ClientSampleId :

TP-18-SS

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	268313		
120	9.9	10.8	16.2	
236	25.7	21.0	31.6	

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#77

Pyrene

Concen: 16.76 ng

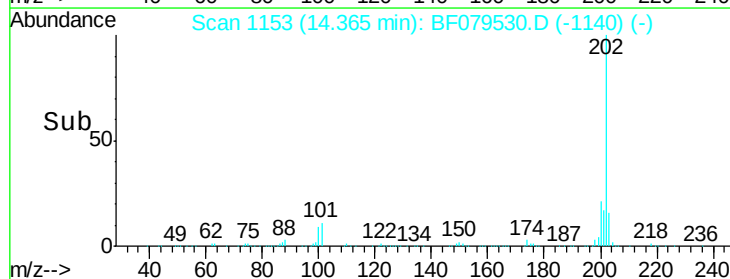
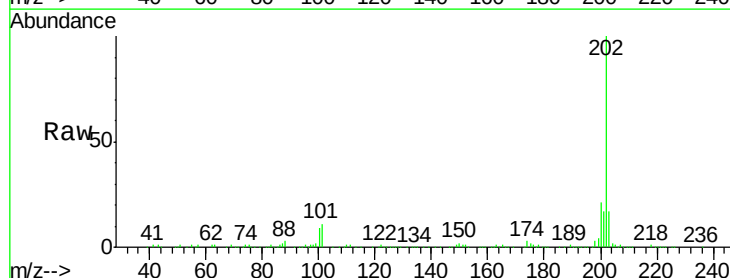
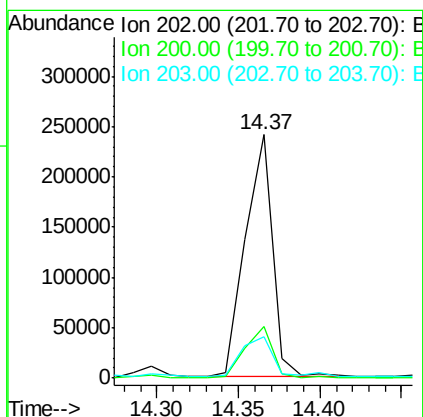
RT: 14.37 min Scan# 1153

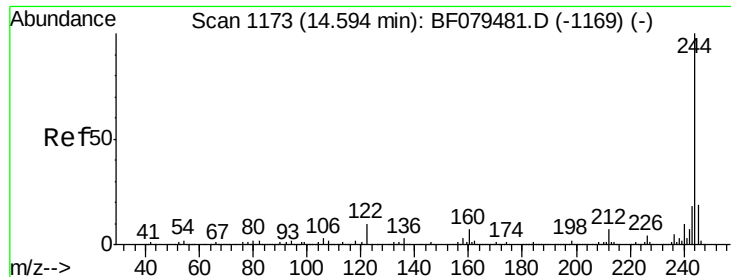
Delta R.T. -0.00 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	278639		
200	21.0	17.5	26.3	
203	17.1	14.4	21.6	





#78

Terphenyl-d14

Concen: 42.62 ng

RT: 14.58 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF079530.D

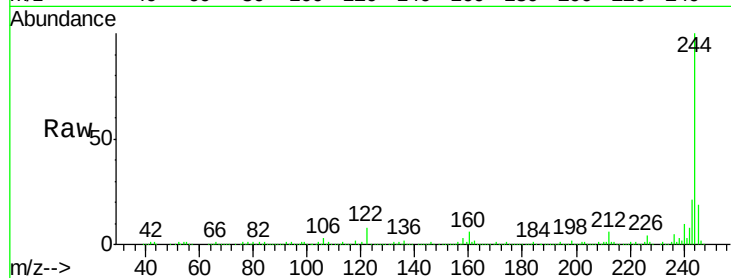
Acq: 27 May 2015 20:56

Instrument :

BNA_F

ClientSampled :

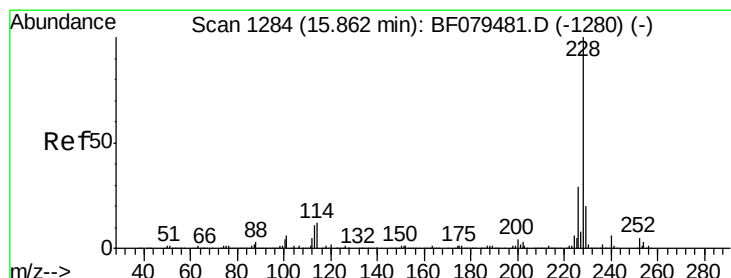
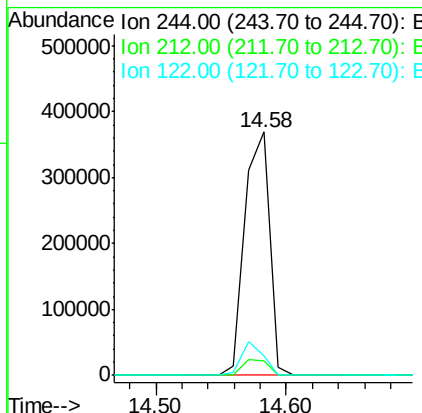
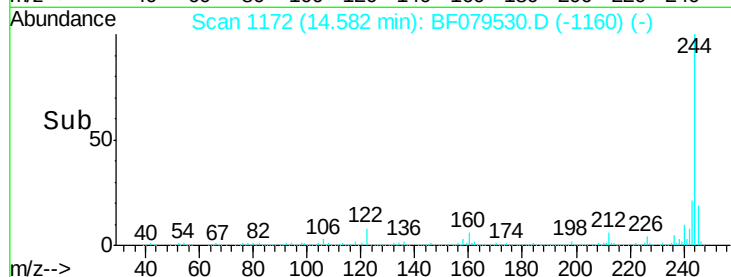
TP-18-SS



Tgt Ion	Ratio	Resp	Lower	Upper
244	100	487219		
212	6.1	5.2	7.8	
122	7.8	8.0	12.0	

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#80

Benzo(a)anthracene

Concen: 14.67 ng m

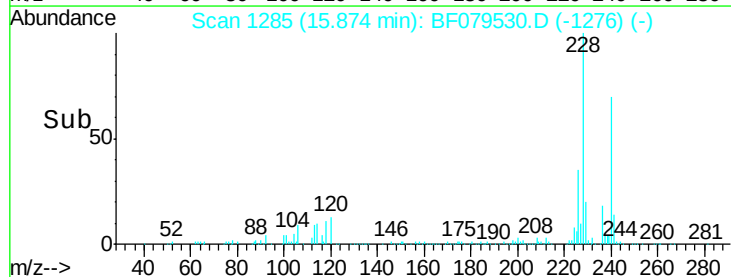
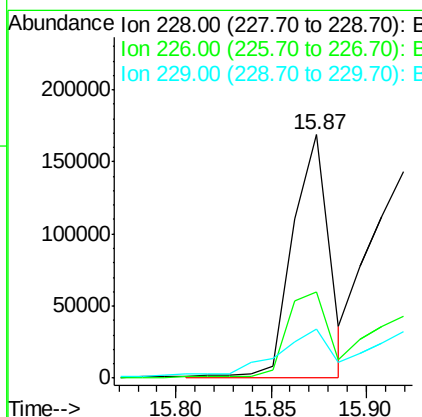
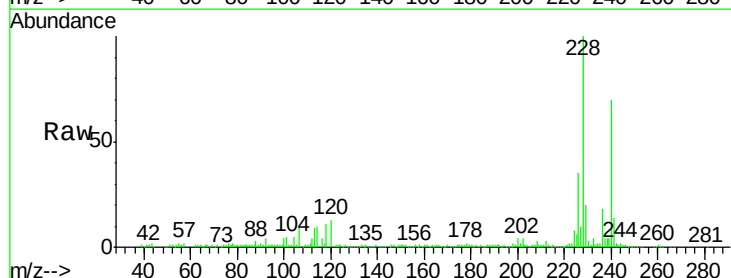
RT: 15.87 min Scan# 1285

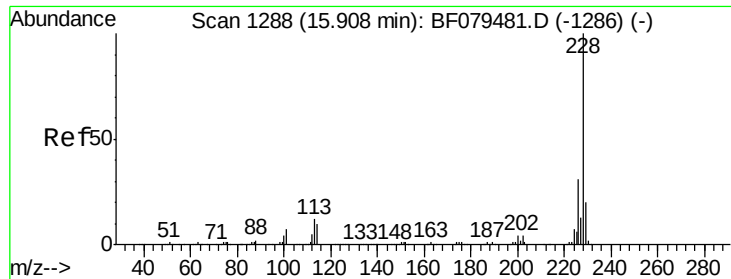
Delta R.T. -0.06 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	226420		
226	35.3	22.8	34.2	
229	20.4	15.9	23.9	





#82

Chrysene

Concen: 16.17 ng

RT: 15.92 min Scan# 1289

Delta R.T. -0.06 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Instrument :

BNA_F

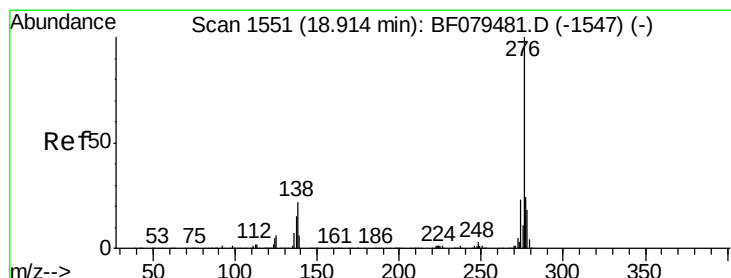
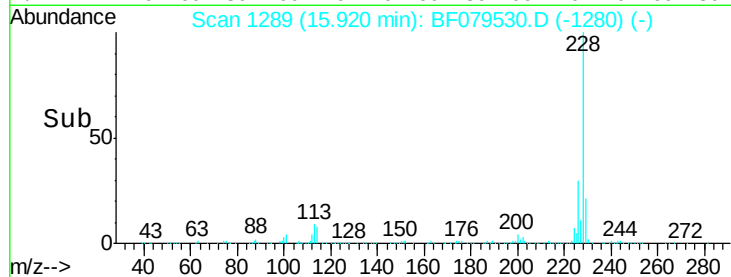
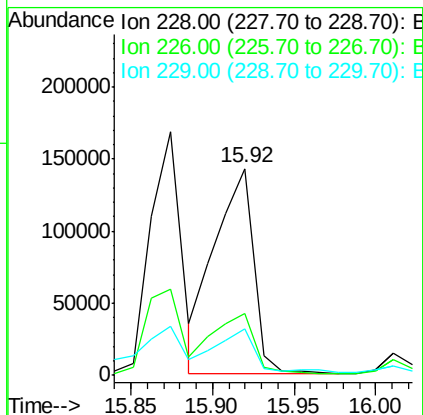
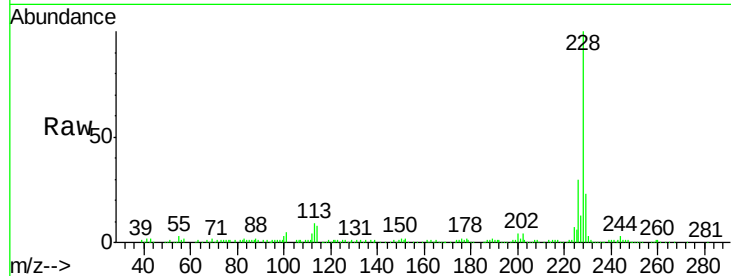
ClientSampleId :

TP-18-SS

Tgt Ion:	228	Resp:	237204
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.4
229	22.5	15.9	23.9

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#85

Indeno(1,2,3-cd)pyrene

Concen: 13.44 ng m

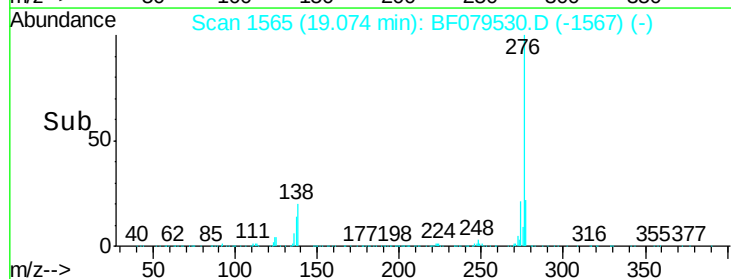
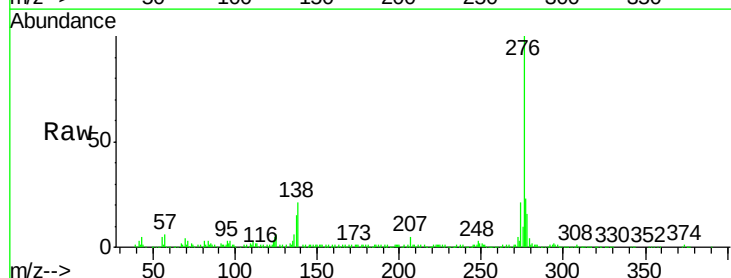
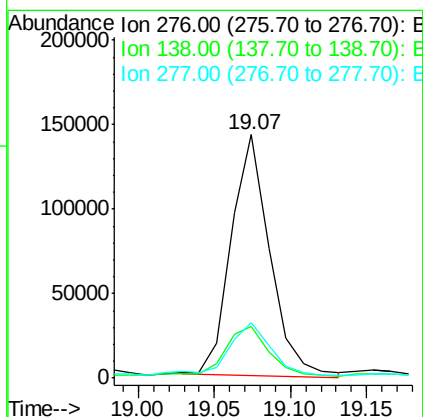
RT: 19.07 min Scan# 1565

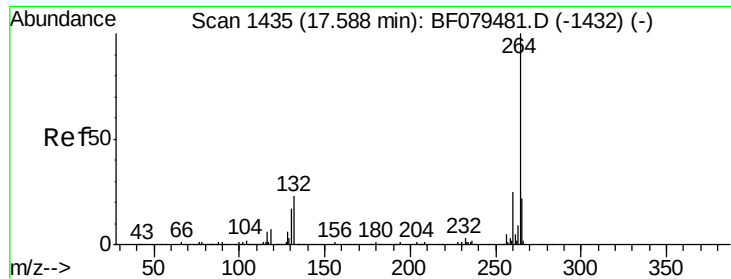
Delta R.T. -0.23 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Tgt Ion:	276	Resp:	253667
Ion Ratio	Lower	Upper	
276	100		
138	20.2	21.4	32.2#
277	21.1	19.8	29.6





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.71 min Scan# 1446

Delta R.T. -0.17 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Instrument :

BNA_F

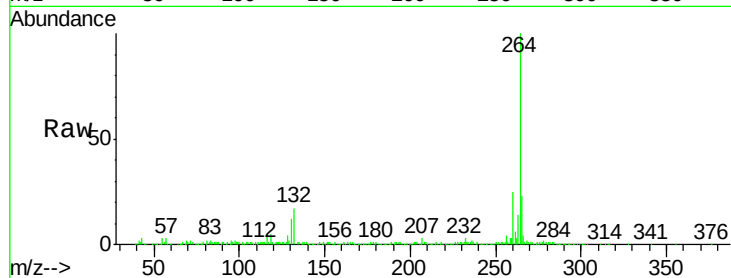
ClientSampled :

TP-18-SS

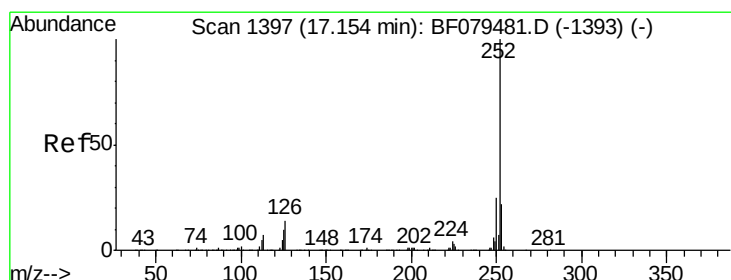
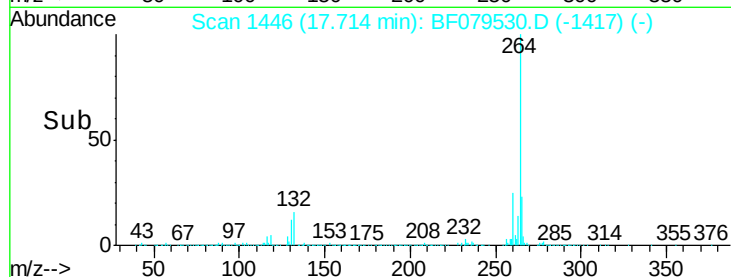
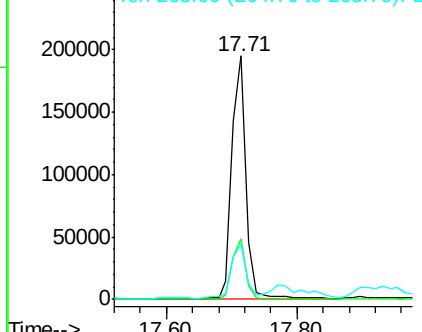
Tgt Ion:	264	Resp:	287004
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.8	29.8
265	23.0	17.8	26.6

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 33.05 ng m

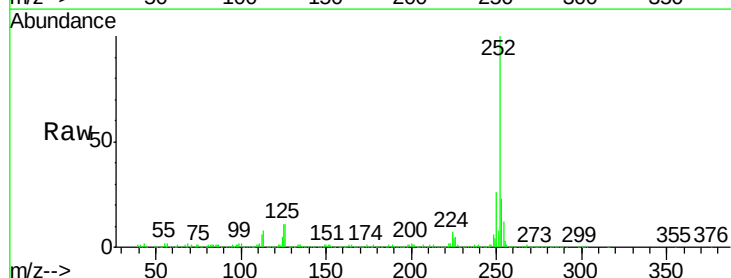
RT: 17.25 min Scan# 1405

Delta R.T. -0.14 min

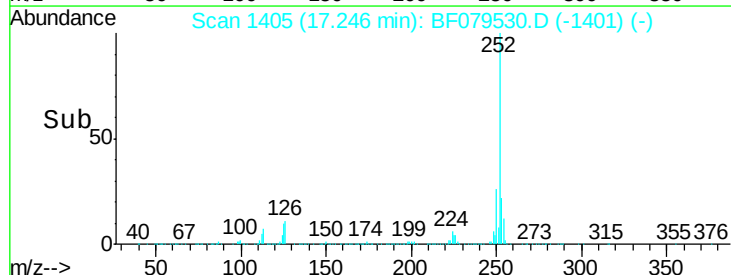
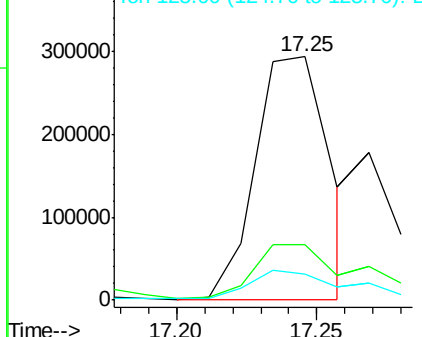
Lab File: BF079530.D

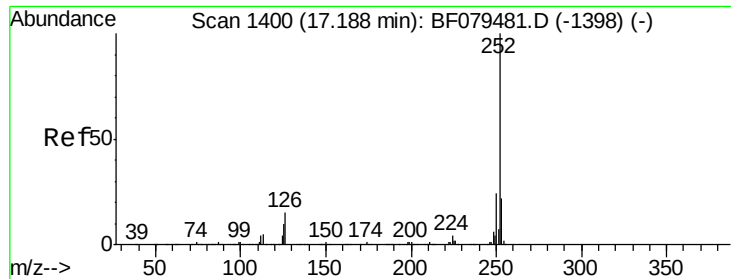
Acq: 27 May 2015 20:56

Tgt Ion:	252	Resp:	541004
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.6	26.4
125	10.9	7.8	11.6



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





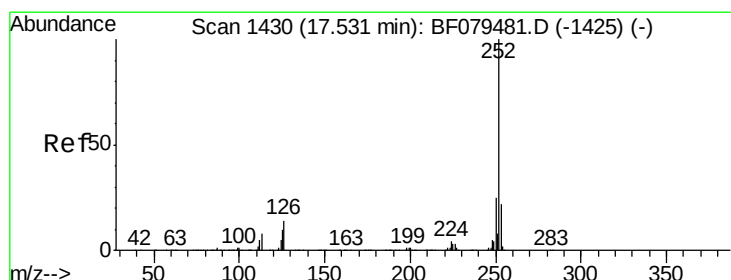
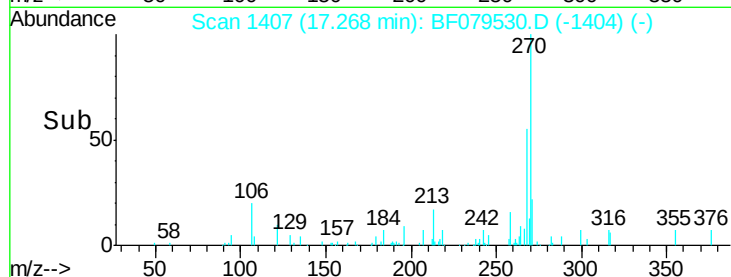
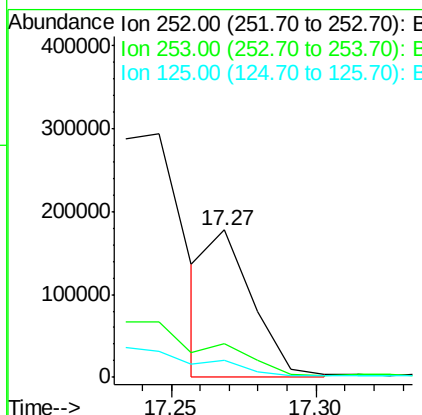
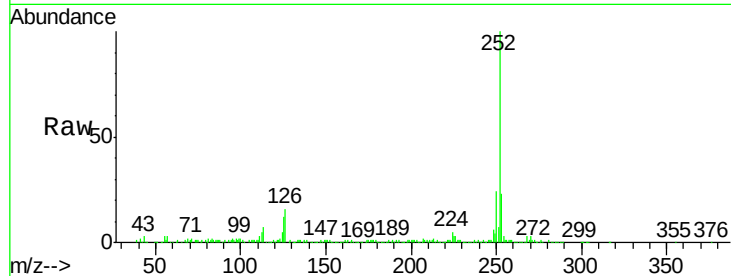
#88
Benzo(k)fluoranthene
Concen: 12.64 ng m
RT: 17.27 min Scan# 1407
Delta R.T. -0.15 min
Lab File: BF079530.D
Acq: 27 May 2015 20:56

Instrument :
BNA_F
ClientSampleId :
TP-18-SS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	11.7	6.8	10.2

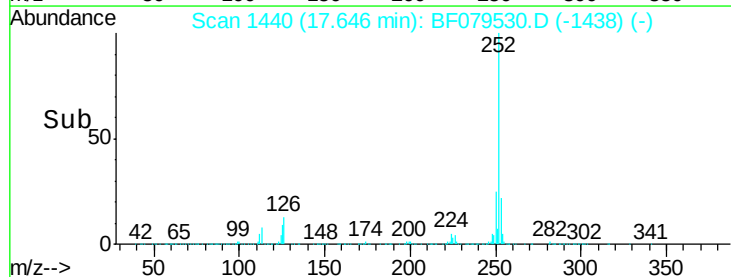
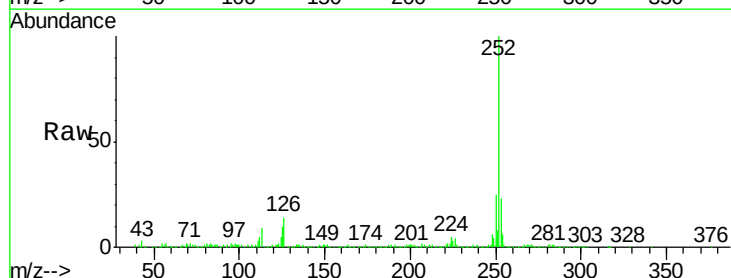
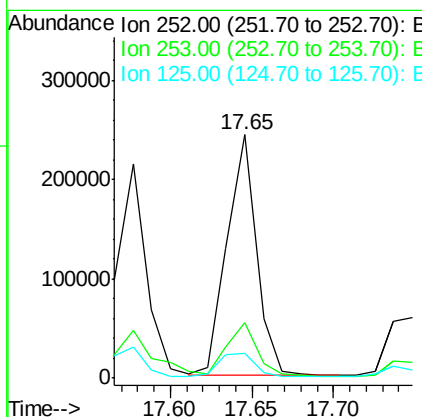
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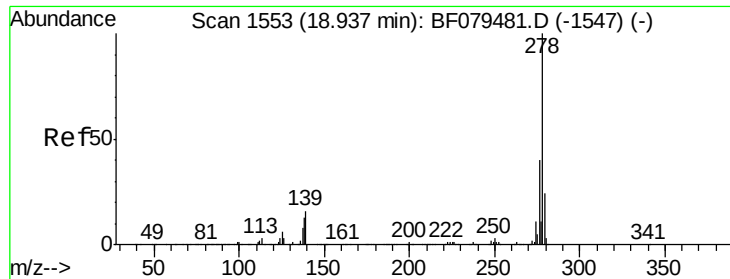
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#89
Benzo(a)pyrene
Concen: 20.15 ng
RT: 17.65 min Scan# 1440
Delta R.T. -0.16 min
Lab File: BF079530.D
Acq: 27 May 2015 20:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	10.1	7.9	11.9





#90

Dibenzo(a,h)anthracene

Concen: 2.56 ng m

RT: 19.09 min Scan# 1566

Delta R.T. -0.24 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Instrument :

BNA_F

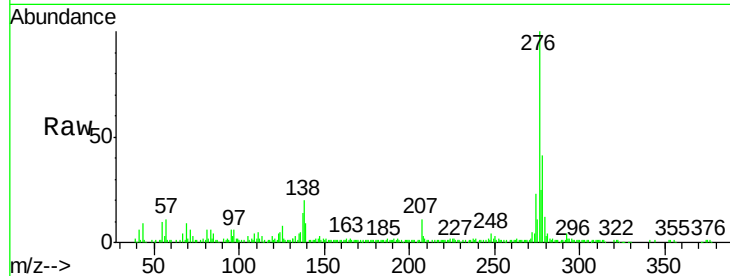
ClientSampleId :

TP-18-SS

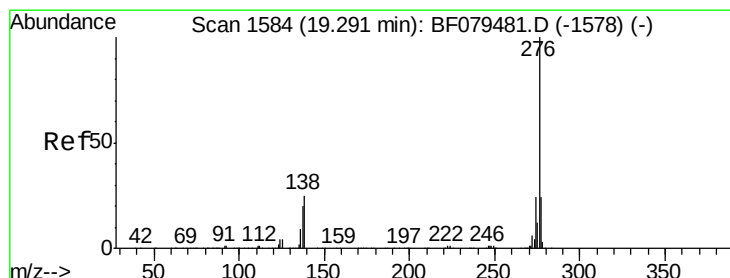
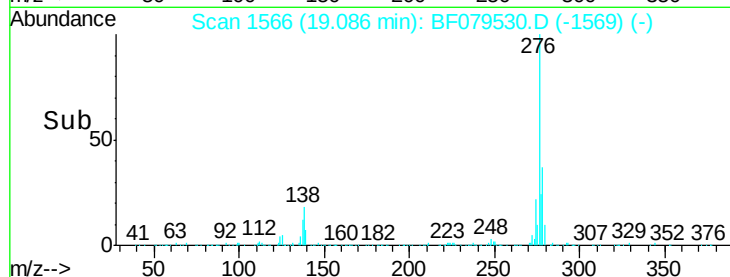
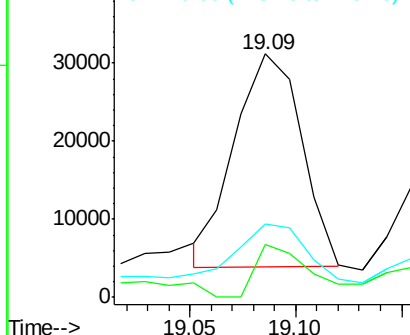
Tgt Ion:	278	Resp:	59967
Ion Ratio	Lower	Upper	
278	100		
139	21.9	12.8	19.2#
279	30.3	19.1	28.7#

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 13.56 ng

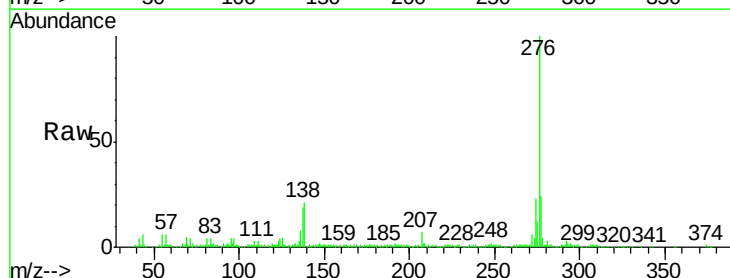
RT: 19.46 min Scan# 1599

Delta R.T. -0.23 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Tgt Ion:	276	Resp:	223178
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.1	28.7
138	21.2	20.1	30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

