

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
 Data File : BF087079.D
 Acq On : 16 May 2016 14:10
 Operator : UM/SJ
 Sample : H2968-06 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP42-4.5FT

Manual Integrations
 APPROVED

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Quant Time: May 17 12:42:14 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 01:12:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	82799	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	309429	20.00	ng	0.00
38) Acenaphthene-d10	9.64	164	121594	20.00	ng	0.00
63) Phenanthrene-d10	11.12	188	215481	20.00	ng	0.00
75) Chrysene-d12	13.75	240	178508	20.00	ng	-0.01
86) Perylene-d12	15.12	264	130614	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	472240	96.59	ng	-0.01
7) Phenol-d6	6.27	99	640644	98.04	ng	-0.01
23) Nitrobenzene-d5	7.18	82	392925	63.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.43	330	100622	78.17	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	532448	73.59	ng	-0.01
78) Terphenyl-d14	12.71	244	385470	45.82	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.51	152	32955	2.96	ng	99
49) Dimethylphthalate	9.37	163	81589	8.79	ng	# 99
70) Phenanthrene	11.14	178	77388	6.73	ng	99
71) Anthracene	11.20	178	37074	3.15	ng	100
74) Fluoranthene	12.33	202	293299	24.80	ng	90
77) Pyrene	12.55	202	251340	18.39	ng	99
80) Benzo(a)anthracene	13.74	228	162258	16.19	ng	# 90
82) Chrysene	13.77	228	107973m	10.59	ng	
85) Indeno(1,2,3-cd)pyrene	16.38	276	44453	5.24	ng	93
87) Benzo(b)fluoranthene	14.75	252	146868m	17.30	ng	
88) Benzo(k)fluoranthene	14.77	252	28057m	4.04	ng	
89) Benzo(a)pyrene	15.06	252	85226	11.64	ng	# 82
90) Dibenzo(a,h)anthracene	16.38	278	13925m	2.26	ng	
91) Benzo(g,h,i)perylene	16.75	276	44531	7.10	ng	# 91

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

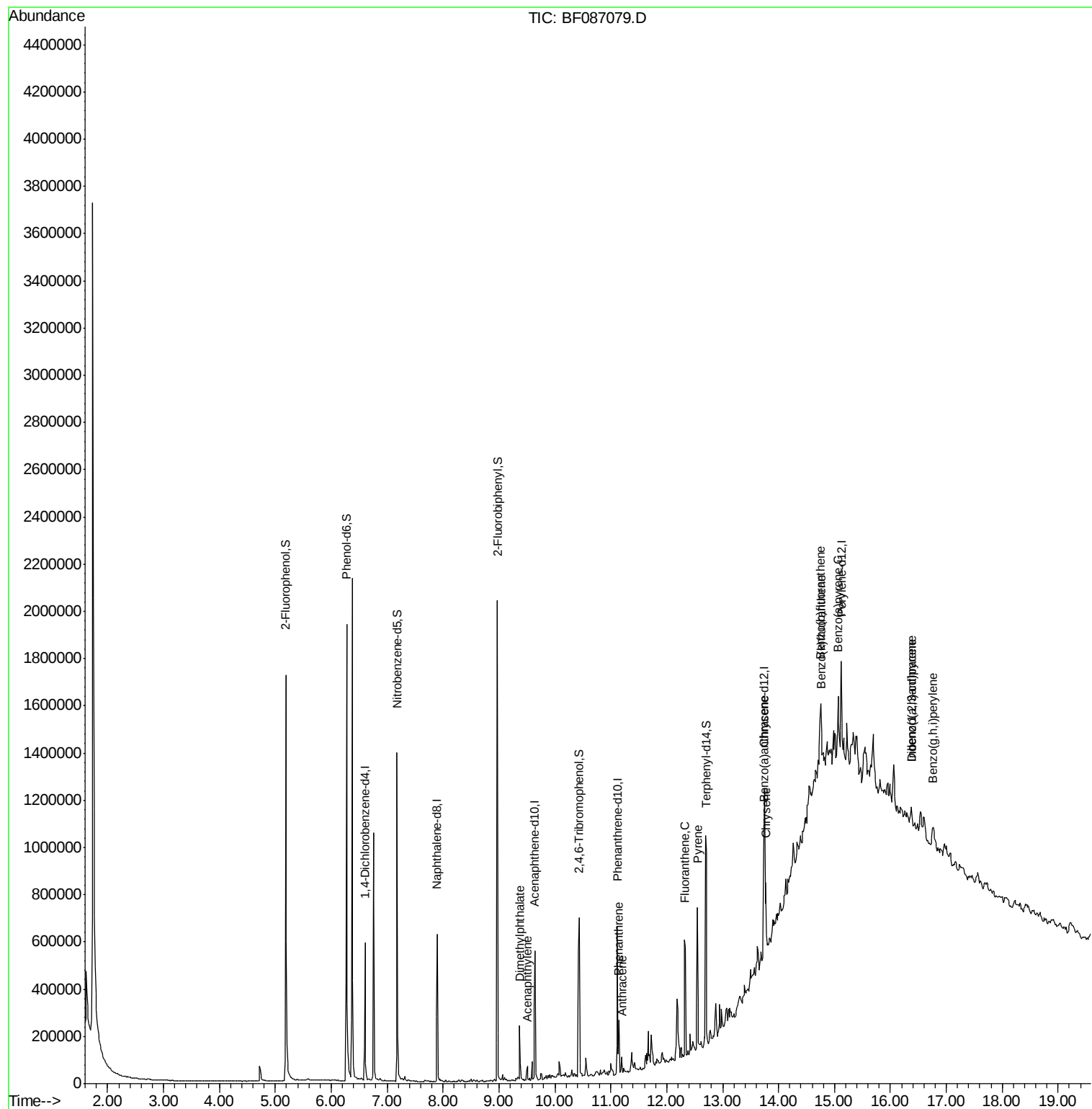
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
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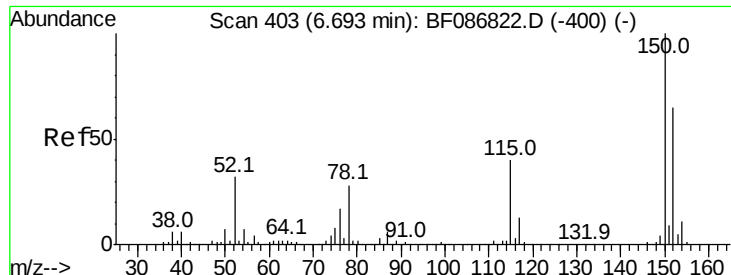
Instrument :
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#1

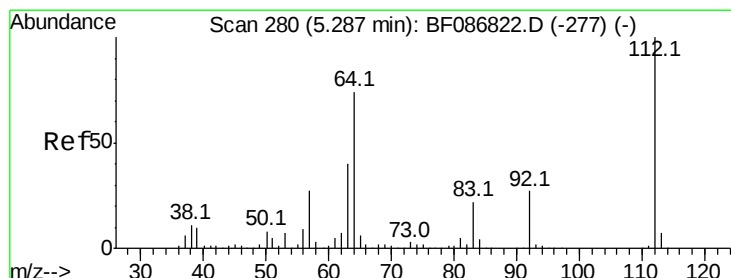
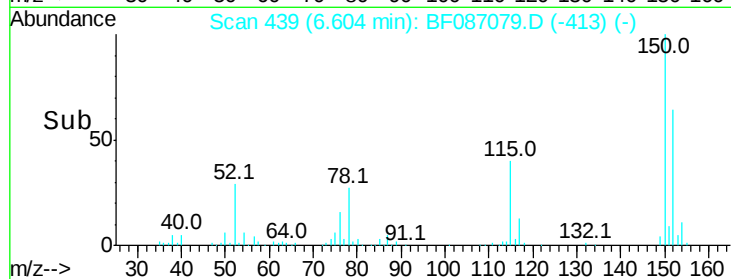
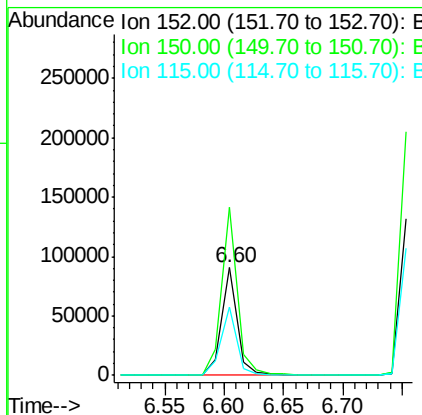
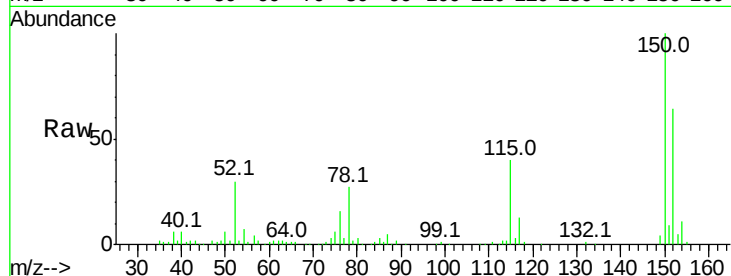
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 439
 Delta R.T. -0.00 min
 Lab File: BF087079.D
 Acq: 16 May 2016 14:10

Instrument :
 BNA_F
 ClientSampleId :
 TP42-4.5FT

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.8	188.6
115	63.1	51.5	77.3

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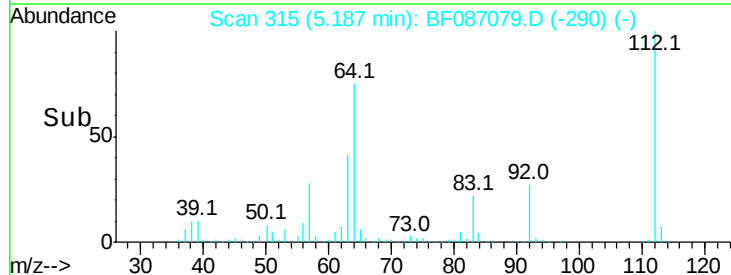
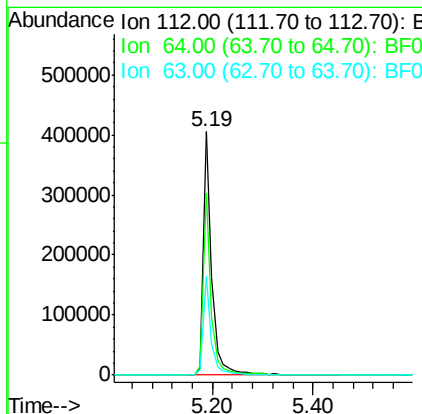
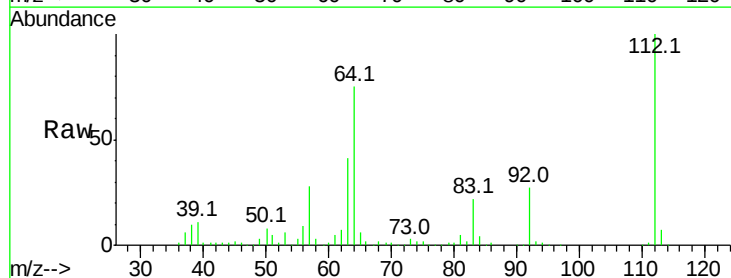
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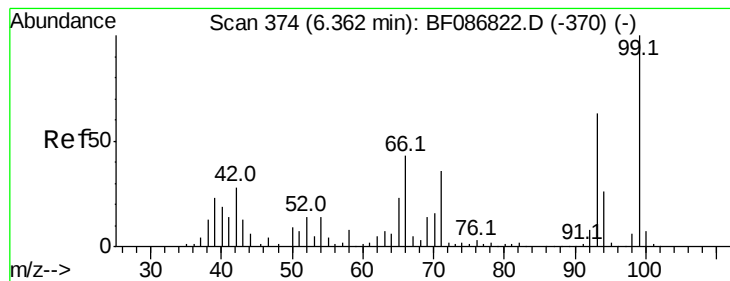


#5

2-Fluorophenol
 Concen: 96.59 ng
 RT: 5.19 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: BF087079.D
 Acq: 16 May 2016 14:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.7	52.1	78.1
63	40.5	25.7	38.5





#7

Phenol-d6

Concen: 98.04 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

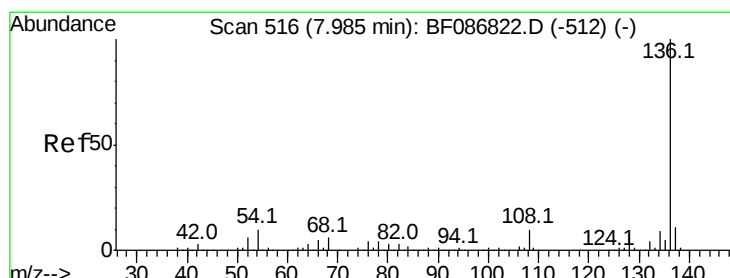
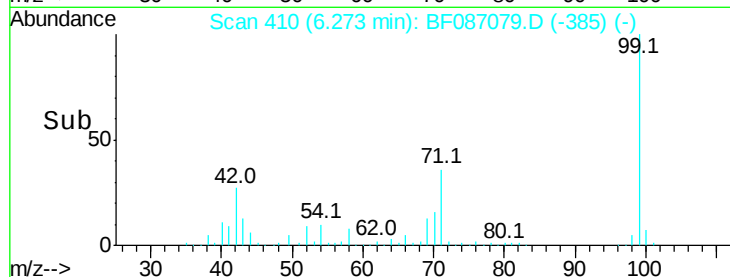
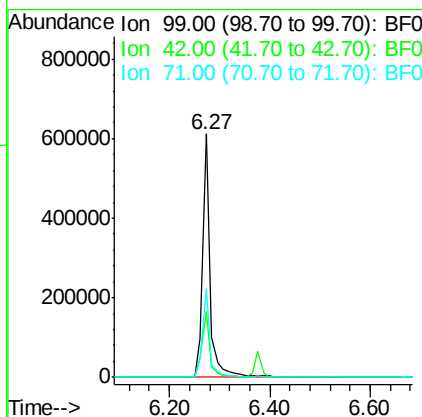
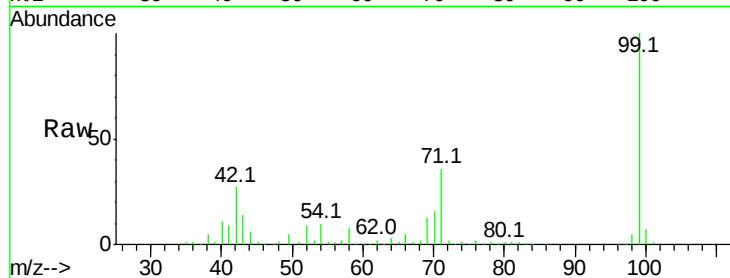
ClientSampleId :

TP42-4.5FT

Tot Ion:	99	Resp:	640644
Ion Ratio	Lower	Upper	
99	100		
42	27.2	13.6	20.4#
71	36.4	24.6	36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

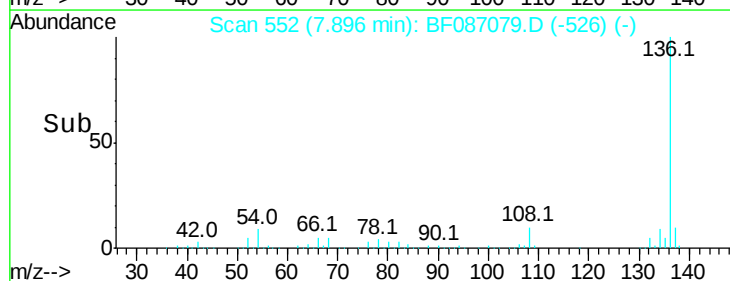
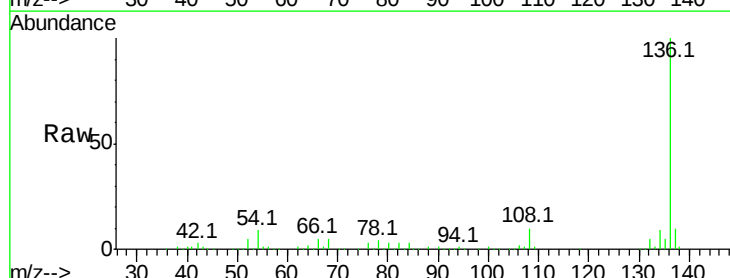
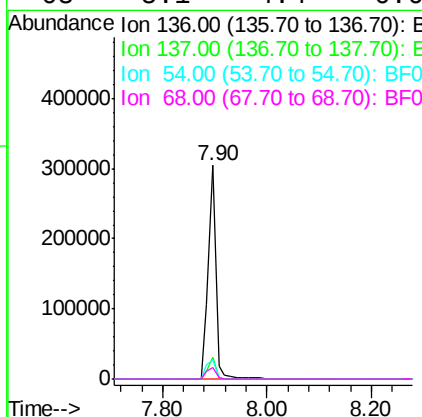
RT: 7.90 min Scan# 552

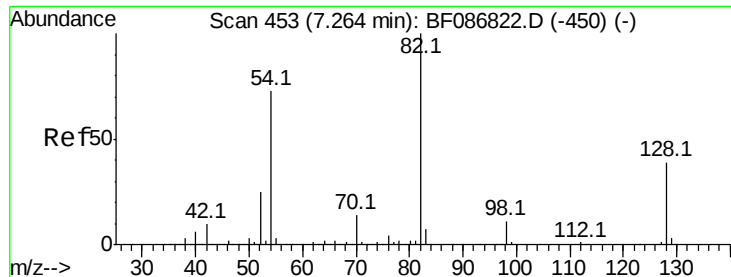
Delta R.T. -0.00 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Tgt Ion:	136	Resp:	309429
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.8	13.2
54	9.2	5.0	7.4#
68	5.1	4.4	6.6





#23

Nitrobenzene-d5

Concen: 63.76 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

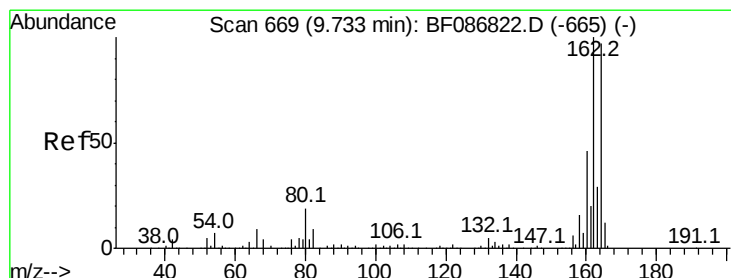
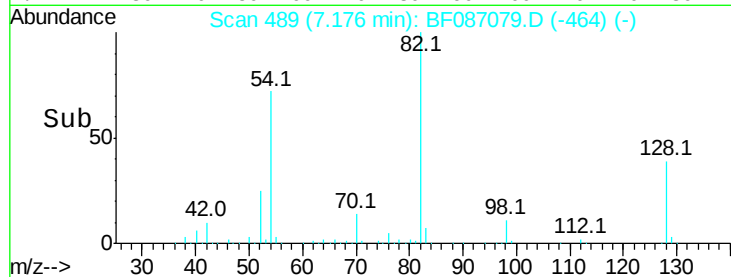
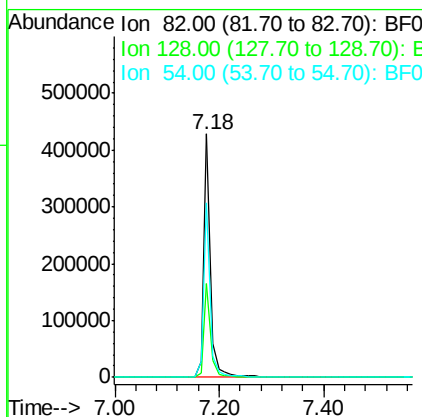
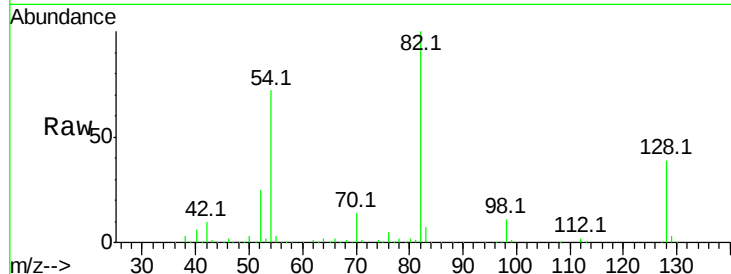
ClientSampleId :

TP42-4.5FT

Tot Ion:	82	Resp:	392925
Ion Ratio	Lower	Upper	
82	100		
128	38.7	40.6	61.0#
54	71.8	38.1	57.1#

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#38

Acenaphthene-d10

Concen: 20.00 ng

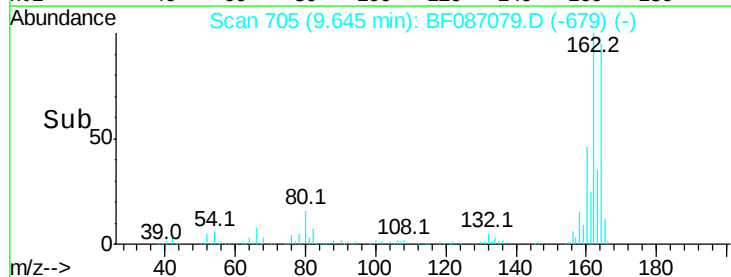
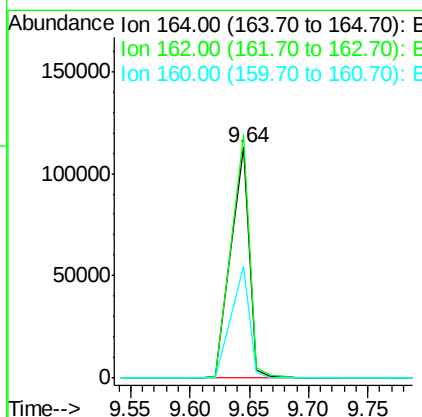
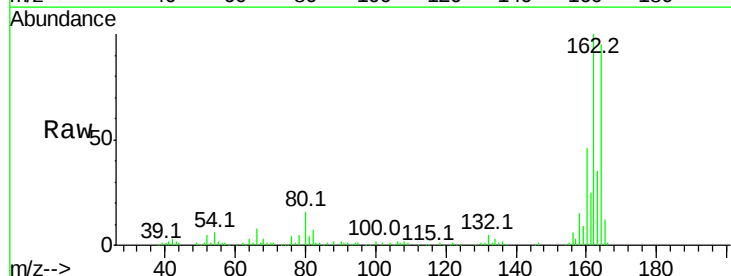
RT: 9.64 min Scan# 705

Delta R.T. -0.00 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Tgt Ion:	164	Resp:	121594
Ion Ratio	Lower	Upper	
164	100		
162	105.5	82.8	124.2
160	48.7	36.9	55.3





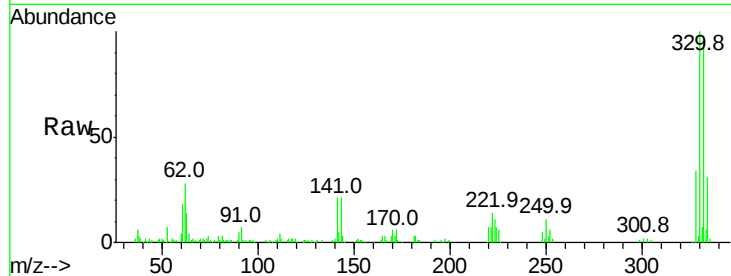
#41
 2,4,6-Tribromophenol
 Concen: 78.17 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BF087079.D
 Acq: 16 May 2016 14:10

Instrument :
 BNA_F
 ClientSampleId :
 TP42-4.5FT

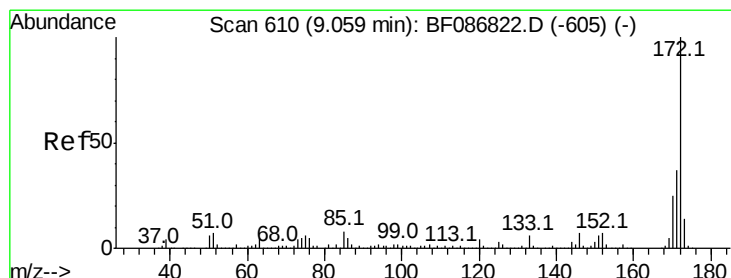
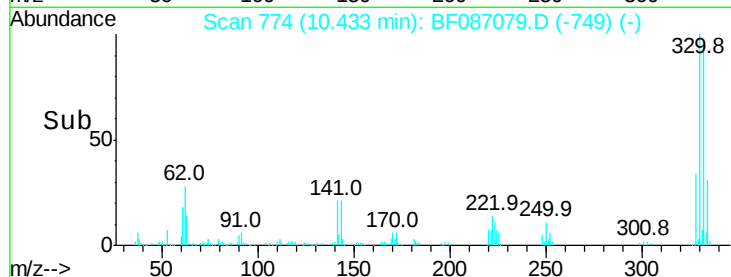
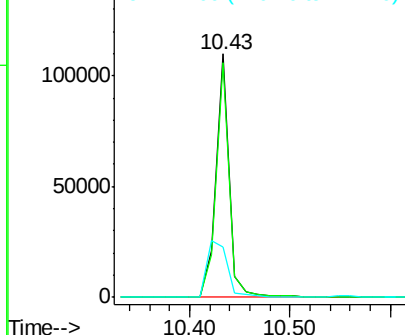
Tot Ion	Ratio	Resp	Lower	Upper
330	100	100622		
332	95.9		79.0	118.4
141	37.1		31.2	46.8

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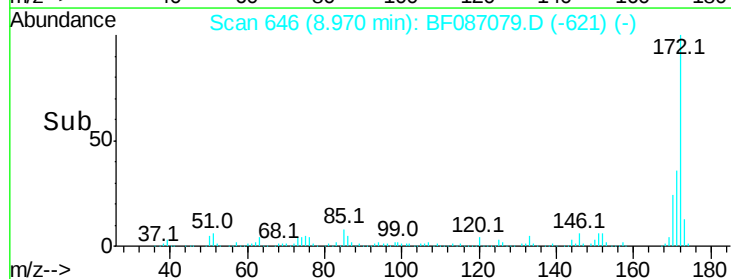
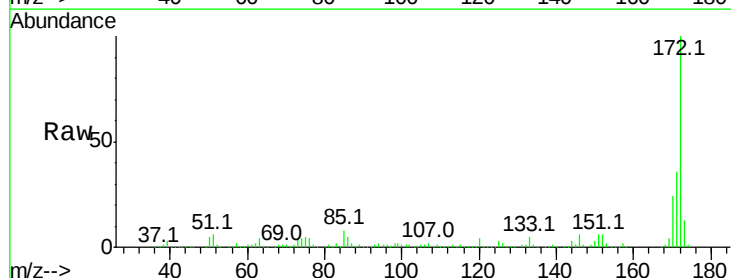
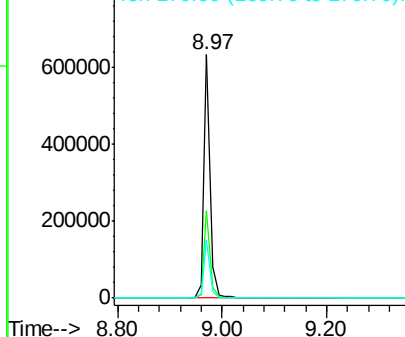
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

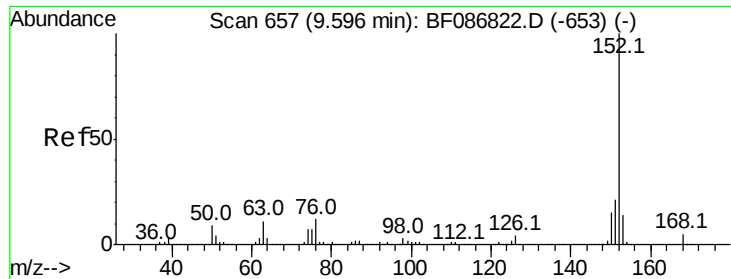


#44
 2-Fluorobiphenyl
 Concen: 73.59 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BF087079.D
 Acq: 16 May 2016 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	532448		
171	35.8		29.0	43.6
170	24.0		19.8	29.8

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





#48

Acenaphthylene

Concen: 2.96 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

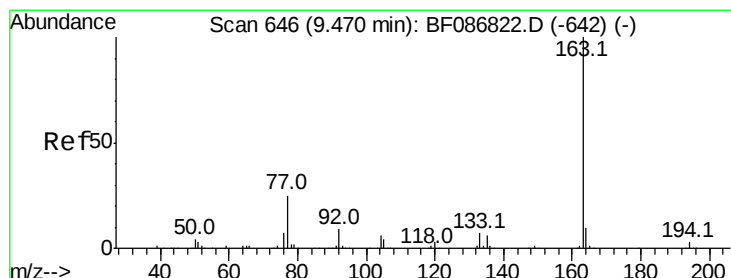
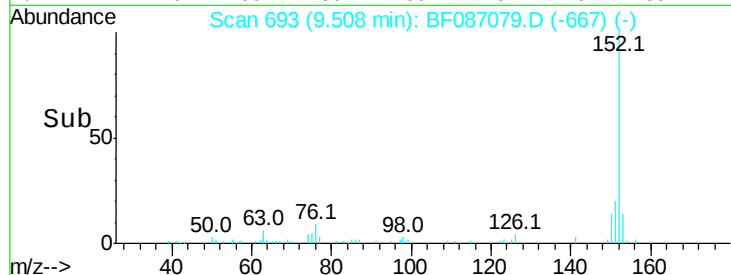
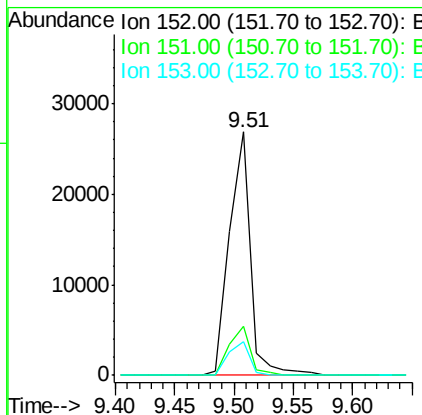
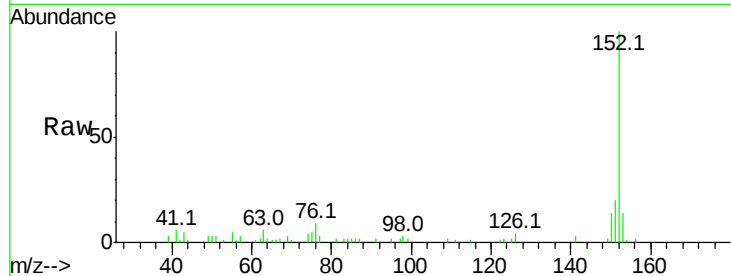
ClientSampleId :

TP42-4.5FT

Tot Ion:	152	Resp:	32955
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.8	25.2
153	13.8	10.9	16.3

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#49

Dimethylphthalate

Concen: 8.79 ng

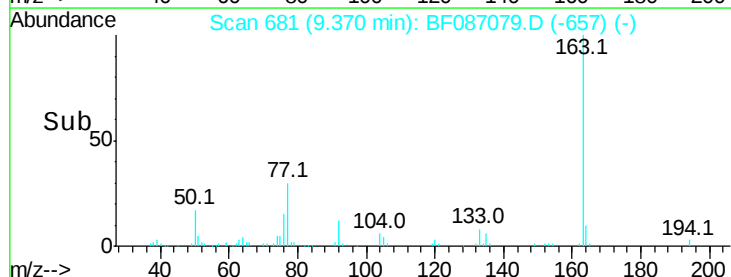
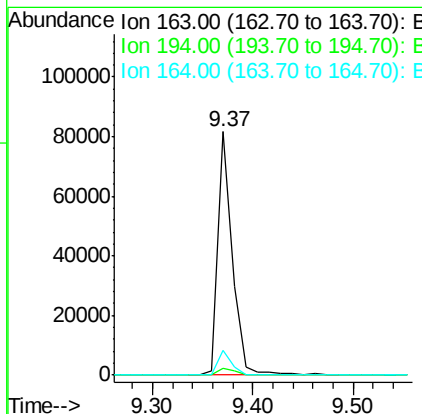
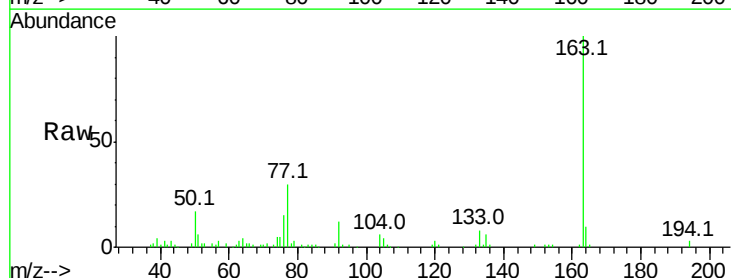
RT: 9.37 min Scan# 681

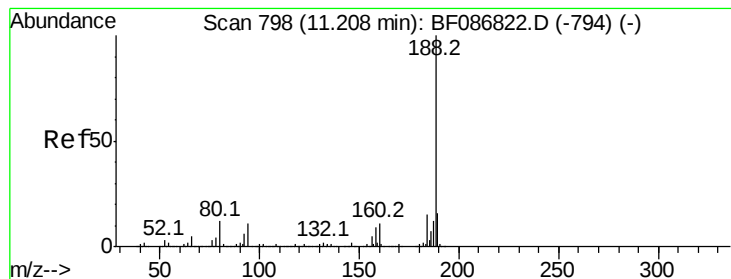
Delta R.T. -0.02 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Tgt Ion:	163	Resp:	81589
Ion Ratio	Lower	Upper	
163	100		
194	2.6	2.6	4.0#
164	10.3	8.2	12.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

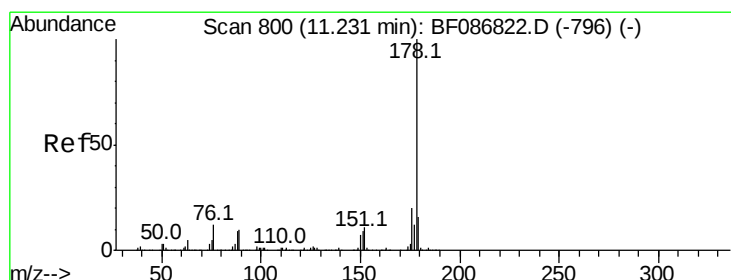
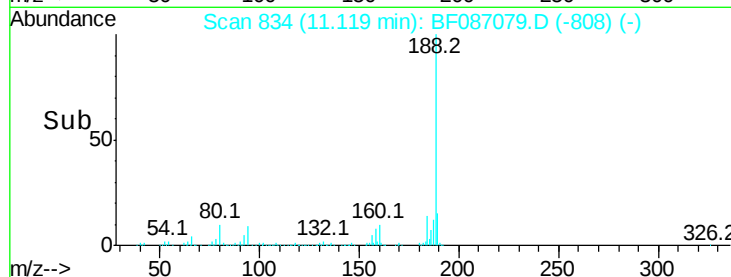
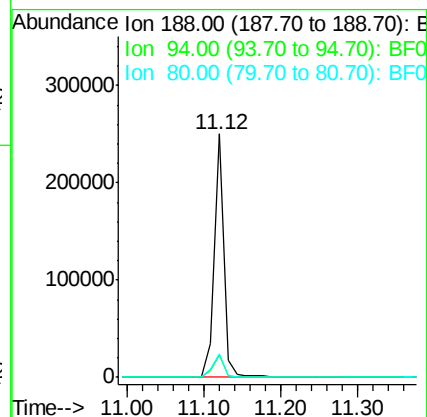
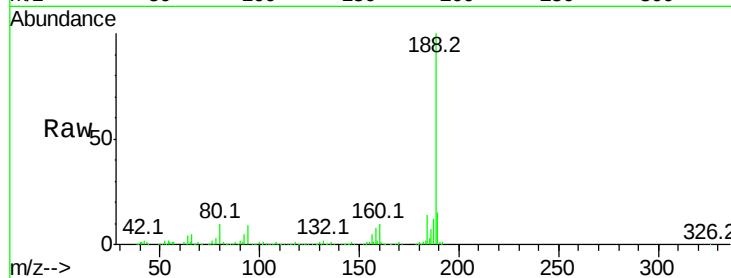
ClientSampleId :

TP42-4.5FT

Tot Ion:	188	Resp:	215481
Ion Ratio	Lower	Upper	
188	100		
94	9.1	6.8	10.2
80	9.9	7.1	10.7

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#70

Phenanthrene

Concen: 6.73 ng

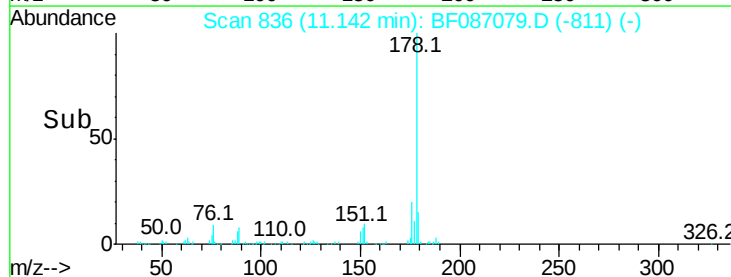
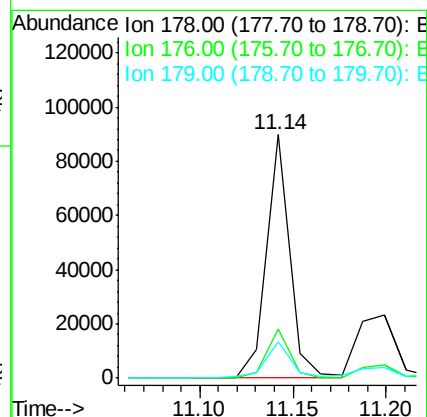
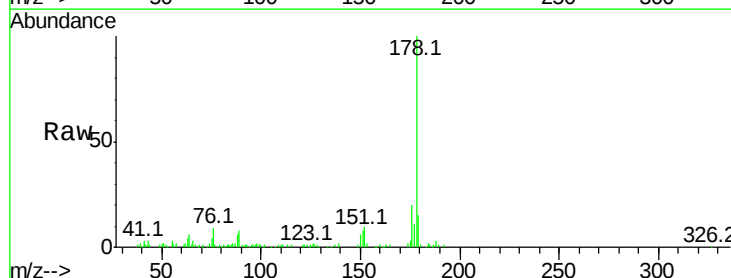
RT: 11.14 min Scan# 836

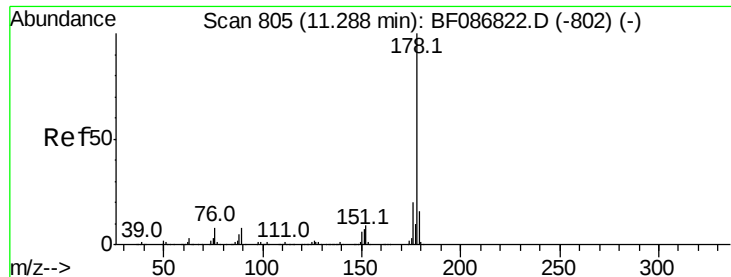
Delta R.T. -0.01 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Tgt Ion:	178	Resp:	77388
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.0	24.0
179	14.8	12.6	18.8





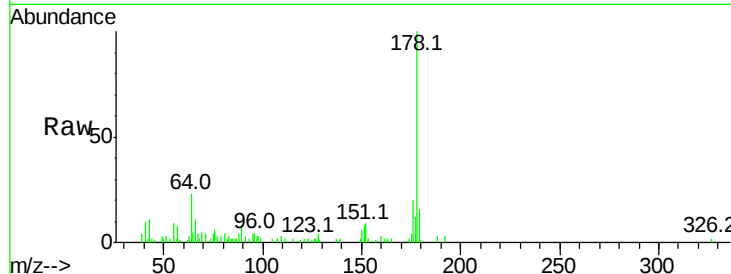
#71
 Anthracene
 Concen: 3.15 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BF087079.D
 Acq: 16 May 2016 14:10

Instrument :
 BNA_F
 ClientSampleId :
 TP42-4.5FT

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.6	23.4
179	15.7	12.7	19.1

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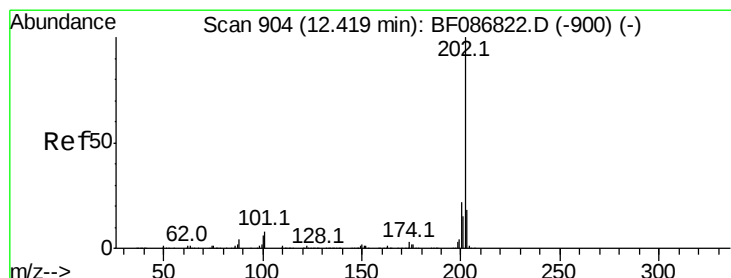
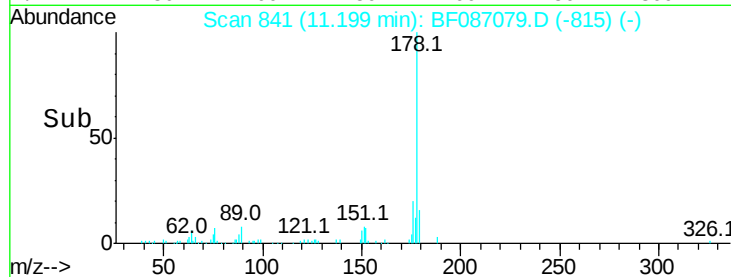
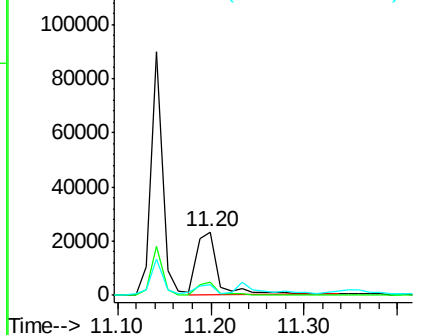


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
 Fluoranthene
 Concen: 24.80 ng
 RT: 12.33 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: BF087079.D
 Acq: 16 May 2016 14:10

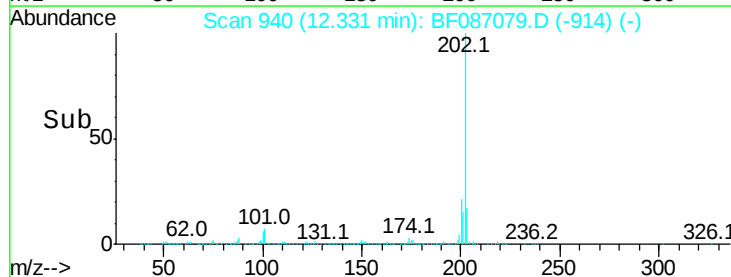
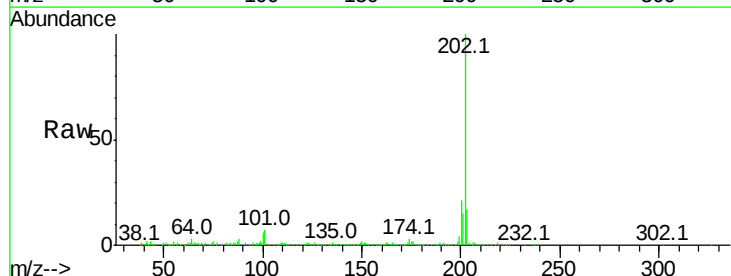
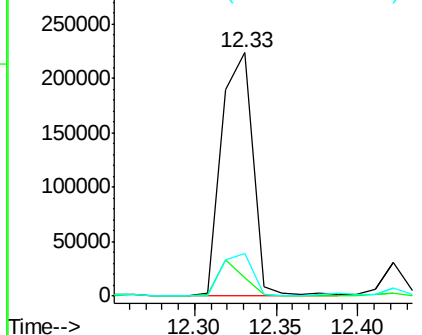
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	35.4
203	17.3	0.0	38.1

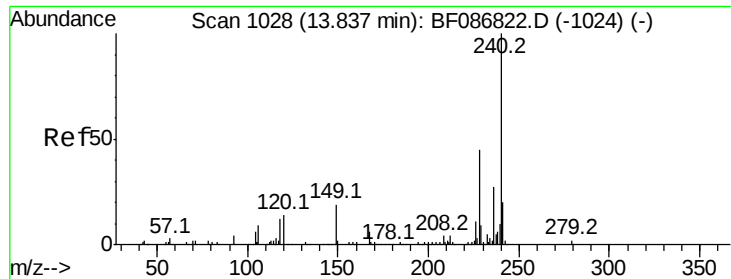
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

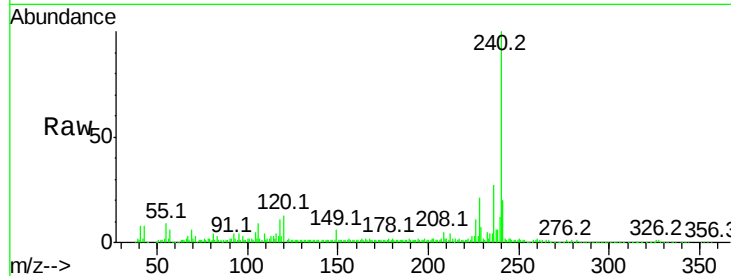
ClientSampleId :

TP42-4.5FT

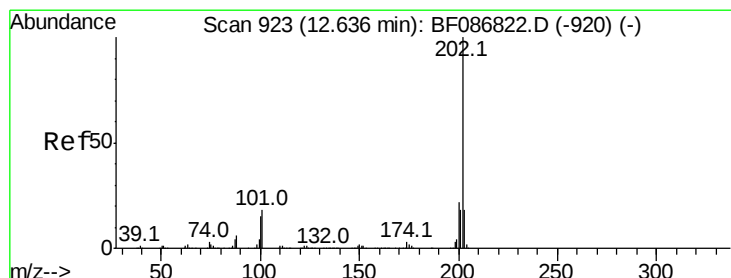
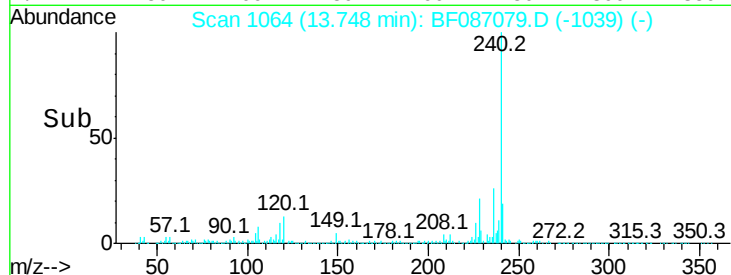
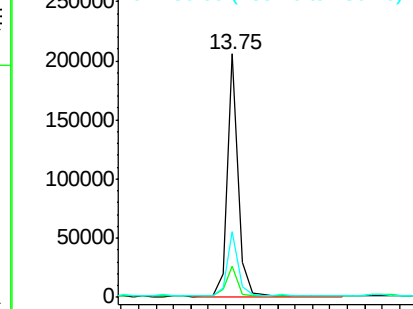
Tot Ion:	240	Resp:	178508
Ion Ratio	Lower	Upper	
240	100		
120	13.0	11.2	16.8
236	26.9	21.2	31.8

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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: 18.39 ng

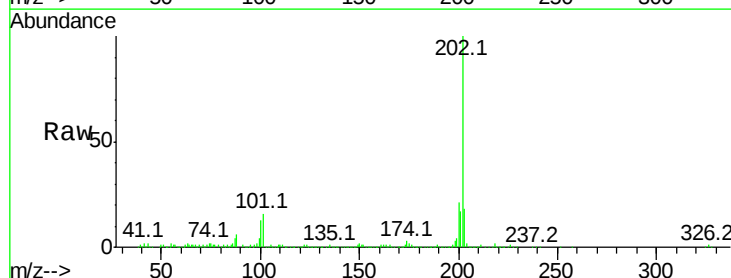
RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

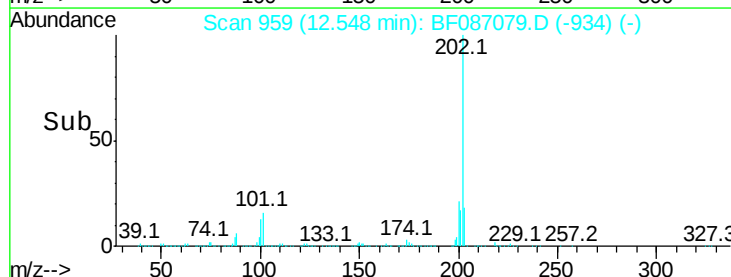
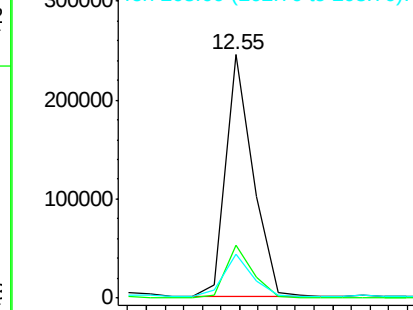
Lab File: BF087079.D

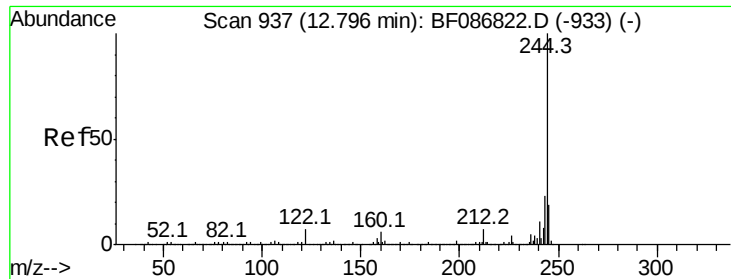
Acq: 16 May 2016 14:10

Tgt Ion:	202	Resp:	251340
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.7	26.5
203	18.3	14.2	21.4



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: 45.82 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.00 min

Lab File: BF087079.D

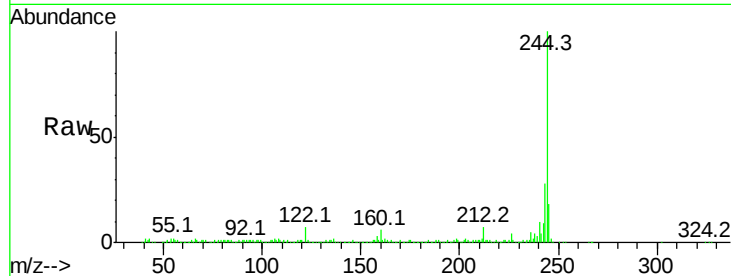
Acq: 16 May 2016 14:10

Instrument :

BNA_F

ClientSampleId :

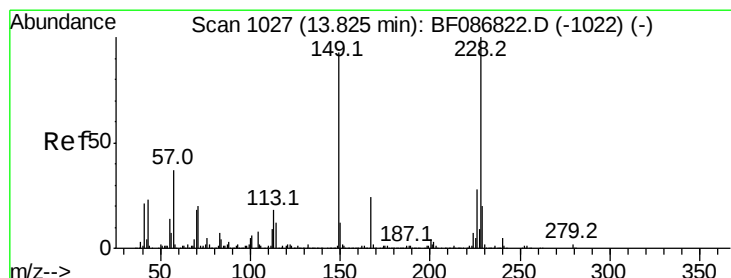
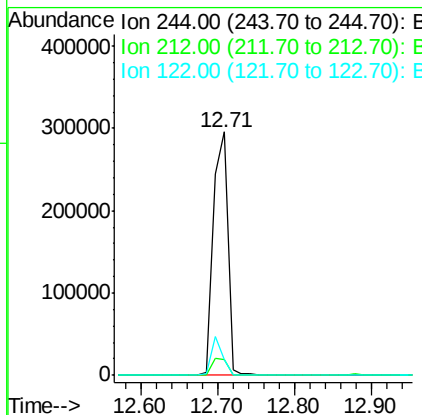
TP42-4.5FT



Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.6	6.2	9.2	
122	6.6	12.0	18.0	

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#80

Benzo(a)anthracene

Concen: 16.19 ng

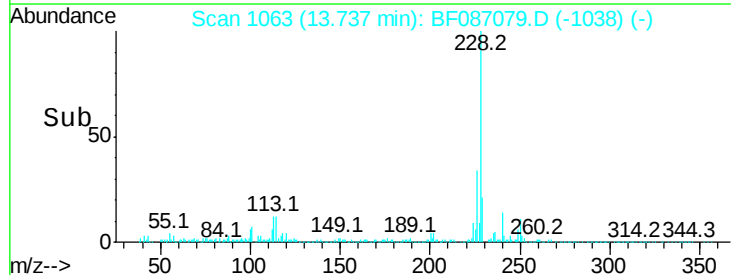
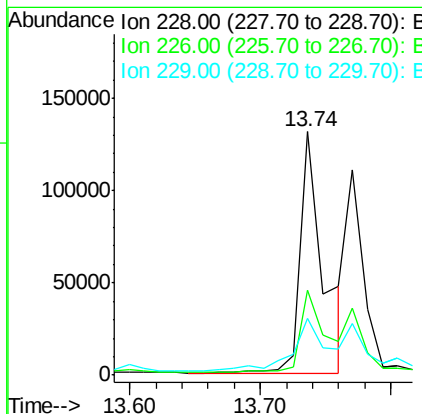
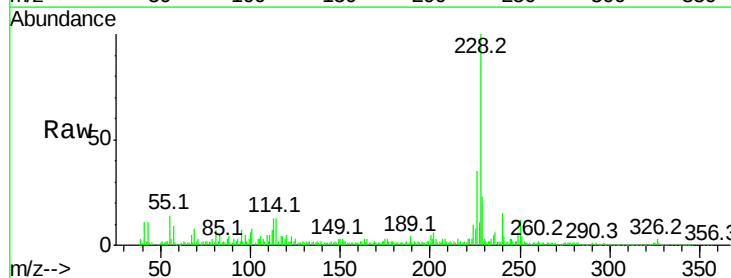
RT: 13.74 min Scan# 1063

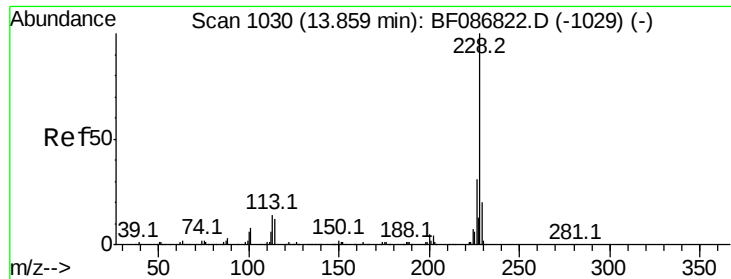
Delta R.T. -0.01 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	35.0	22.5	33.7	
229	23.3	16.6	25.0	





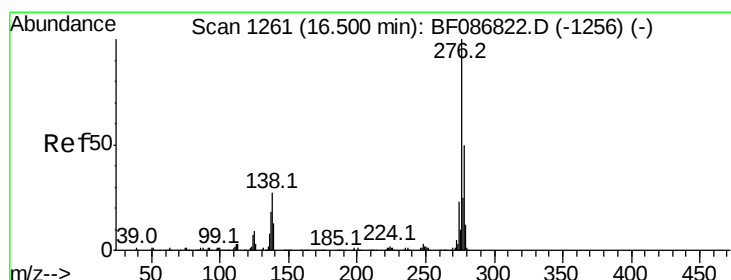
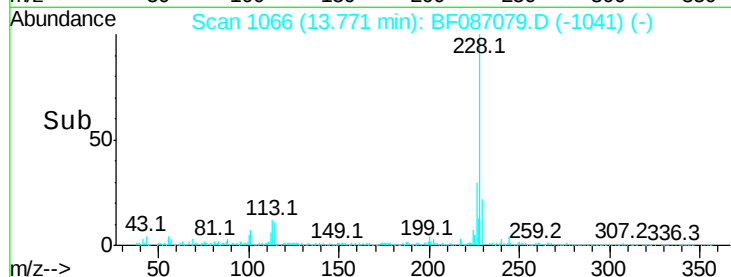
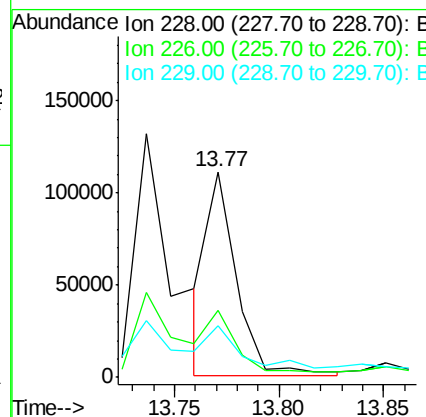
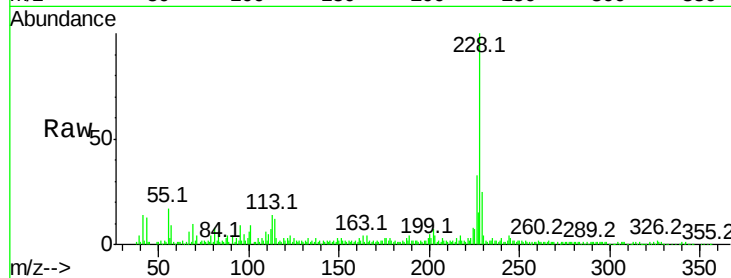
#82
Chrysene
Concen: 10.59 ng/ml
RT: 13.77 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BF087079.D
Acq: 16 May 2016 14:10

Instrument :
BNA_F
ClientSampleId :
TP42-4.5FT

Tot Ion:	228	Resp:	107973
Ion Ratio	Lower	Upper	
228	100		
226	32.5	24.4	36.6
229	25.0	15.8	23.8

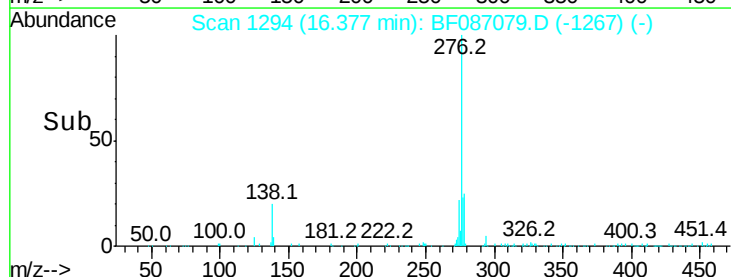
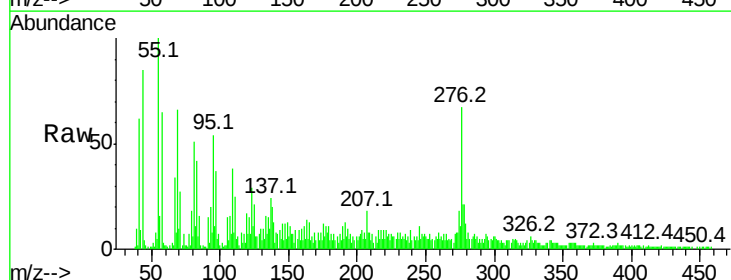
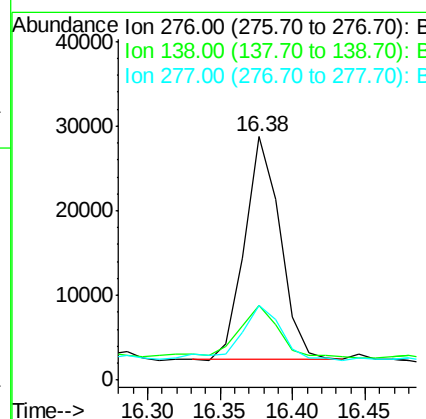
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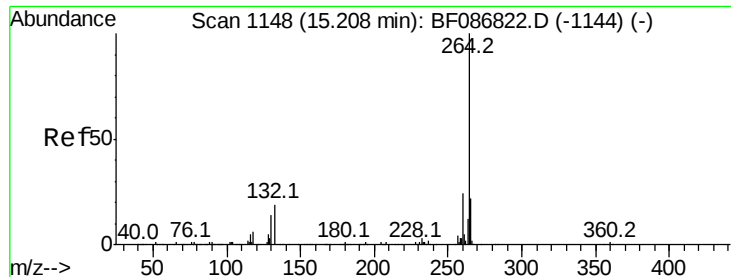
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.24 ng
RT: 16.38 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BF087079.D
Acq: 16 May 2016 14:10

Tgt Ion:	276	Resp:	44453
Ion Ratio	Lower	Upper	
276	100		
138	28.3	25.6	38.4
277	29.2	20.5	30.7





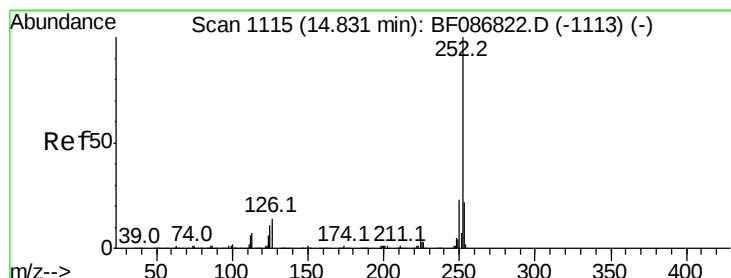
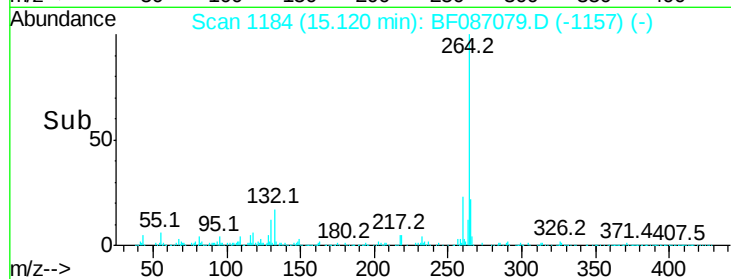
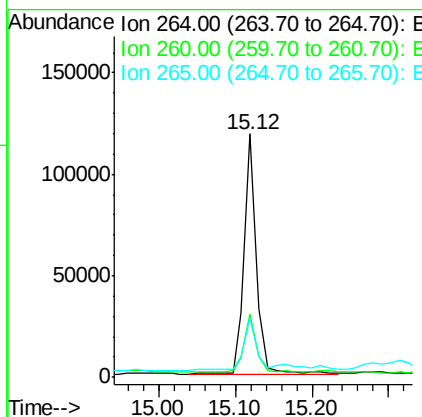
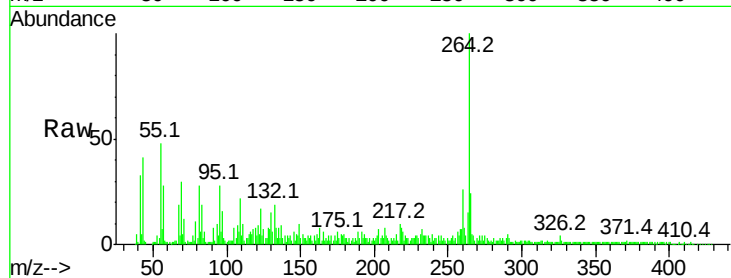
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF087079.D
Acq: 16 May 2016 14:10

Instrument :
BNA_F
ClientSampleId :
TP42-4.5FT

Tot Ion:	264	Resp:	130614
Ion Ratio	Lower	Upper	
264	100		
260	25.7	19.5	29.3
265	24.3	17.3	25.9

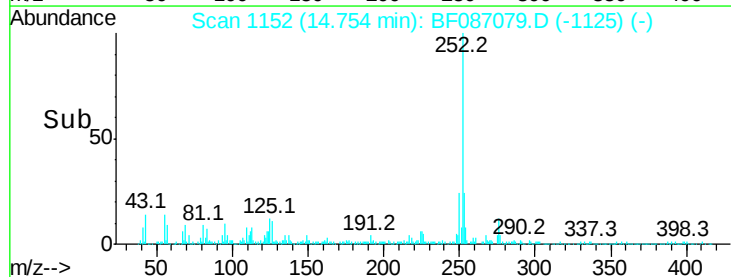
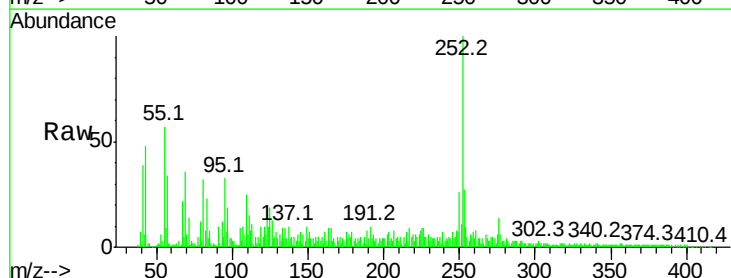
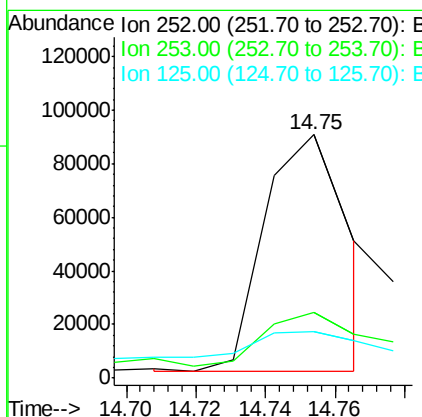
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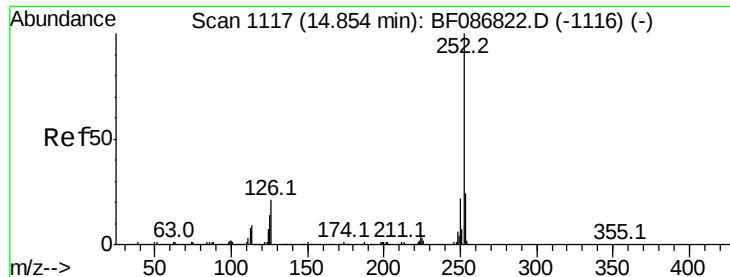
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#87
Benzo(b)fluoranthene
Concen: 17.30 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF087079.D
Acq: 16 May 2016 14:10

Tgt Ion:	252	Resp:	146868
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.8	26.6#
125	18.9	11.4	17.0#





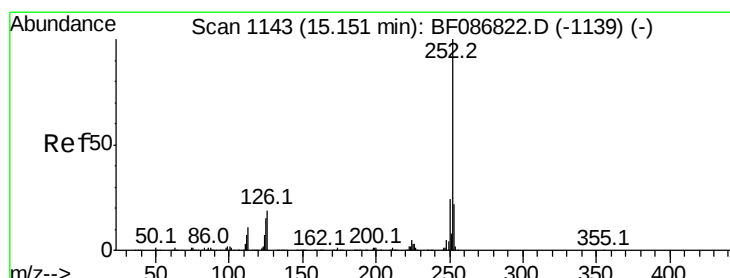
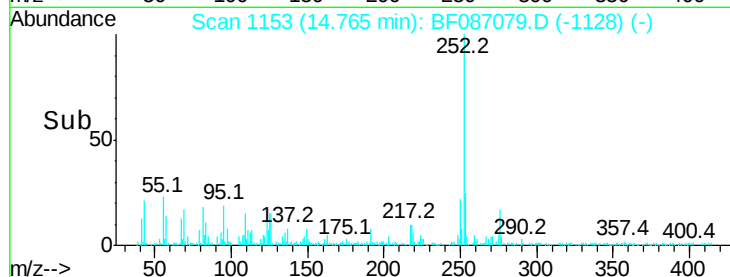
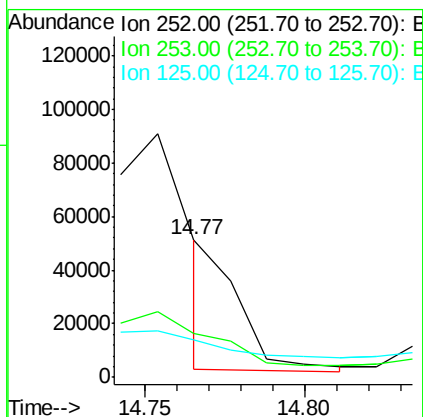
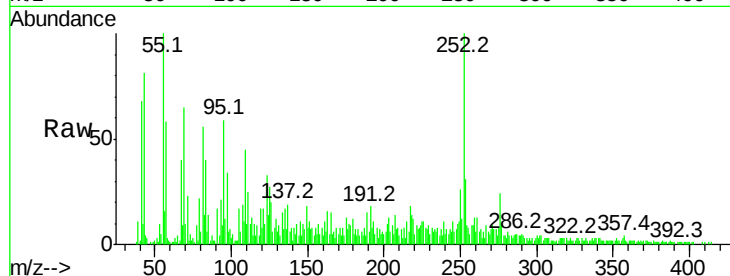
#88
Benzo(k)fluoranthene
Concen: 4.04 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF087079.D
Acq: 16 May 2016 14:10

Instrument :
BNA_F
ClientSampleId :
TP42-4.5FT

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.6	17.8	26.6#
125	26.8	9.1	13.7#

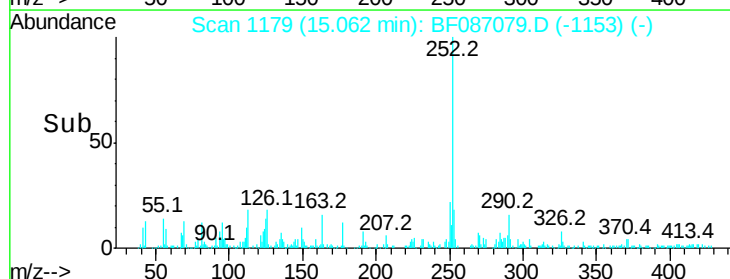
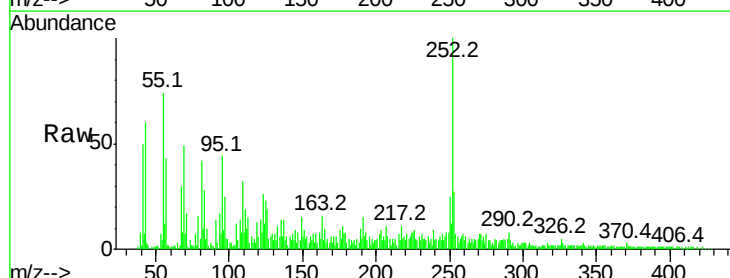
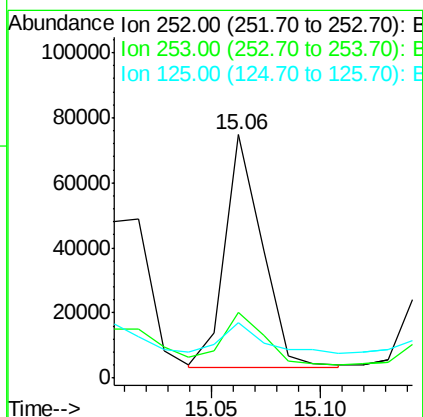
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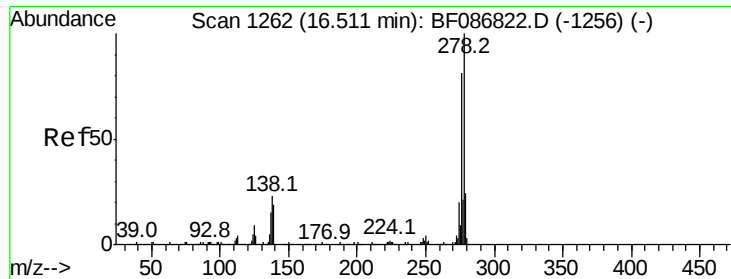
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#89
Benzo(a)pyrene
Concen: 11.64 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BF087079.D
Acq: 16 May 2016 14:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.2	25.8#
125	22.8	9.0	13.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.26 ng/mL

RT: 16.38 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

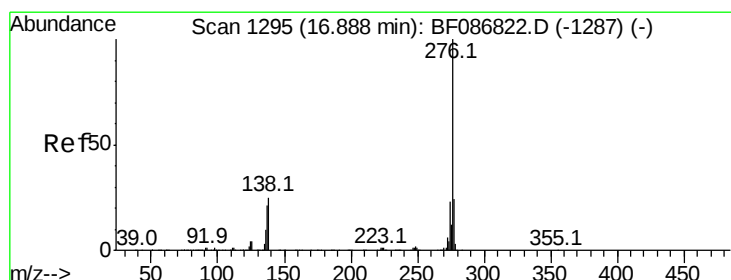
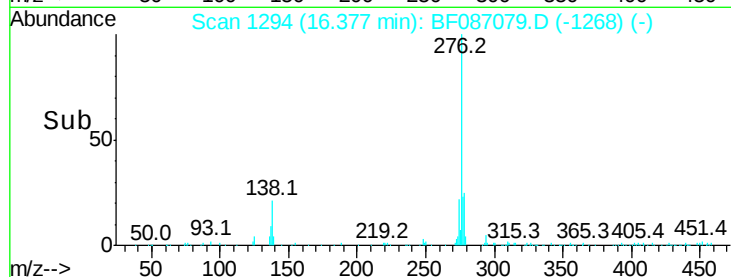
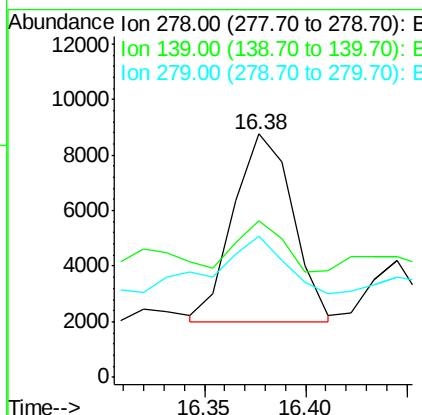
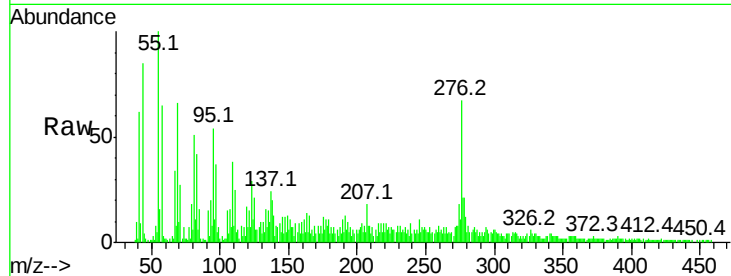
ClientSampled :

TP42-4.5FT

Tot Ion:	278	Resp:	13925
Ion Ratio	Lower	Upper	
278	100		
139	64.1	16.6	24.8#
279	58.1	19.6	29.4#

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#91

Benzo(g,h,i)perylene

Concen: 7.10 ng/mL

RT: 16.75 min Scan# 1327

Delta R.T. 0.01 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Tgt Ion:	276	Resp:	44531
Ion Ratio	Lower	Upper	
276	100		
277	30.8	19.6	29.4#
138	32.4	23.6	35.4

