

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086974.D
 Acq On : 13 May 2016 14:32
 Operator : UM/SJ
 Sample : H2965-03DL 10X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-17(10-10.5)DL

Manual Integrations
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Quant Time: May 13 15:39:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	135124	20.00	ng	-0.08
21) Naphthalene-d8	7.91	136	522423	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	221497	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	353743	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	323093	20.00	ng	-0.08
86) Perylene-d12	15.12	264	257930	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	117664	14.75	ng	-0.08
7) Phenol-d6	6.28	99	159806	14.99	ng	-0.08
23) Nitrobenzene-d5	7.19	82	88485	8.50	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	23665	10.09	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	122209	9.27	ng	-0.08
78) Terphenyl-d14	12.72	244	85484	5.61	ng	-0.08
Target Compounds						Qvalue
31) Naphthalene	7.93	128	1087911	41.58	ng	99
37) 2-Methylnaphthalene	8.63	142	105843	6.92	ng	100
51) Acenaphthene	9.69	154	251735	19.93	ng	99
54) Dibenzofuran	9.86	168	134735	8.31	ng	99
57) Fluorene	10.20	166	153885	11.13	ng	99
70) Phenanthrene	11.15	178	667585	35.36	ng	100
71) Anthracene	11.21	178	218694	11.33	ng	99
72) Carbazole	11.37	167	47940	2.89	ng	98
74) Fluoranthene	12.34	202	526967	27.14	ng	93
77) Pyrene	12.57	202	483848	19.56	ng	98
80) Benzo(a)anthracene	13.75	228	217310	11.98	ng	# 92
82) Chrysene	13.78	228	140563m	7.62	ng	
85) Indeno(1,2,3-cd)pyrene	16.37	276	58908	3.84	ng	96
87) Benzo(b)fluoranthene	14.75	252	158932m	9.48	ng	
88) Benzo(k)fluoranthene	14.77	252	65412m	4.77	ng	
89) Benzo(a)pyrene	15.02	252	78211	5.41	ng	98
91) Benzo(g,h,i)perylene	16.74	276	54728m	4.42	ng	

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

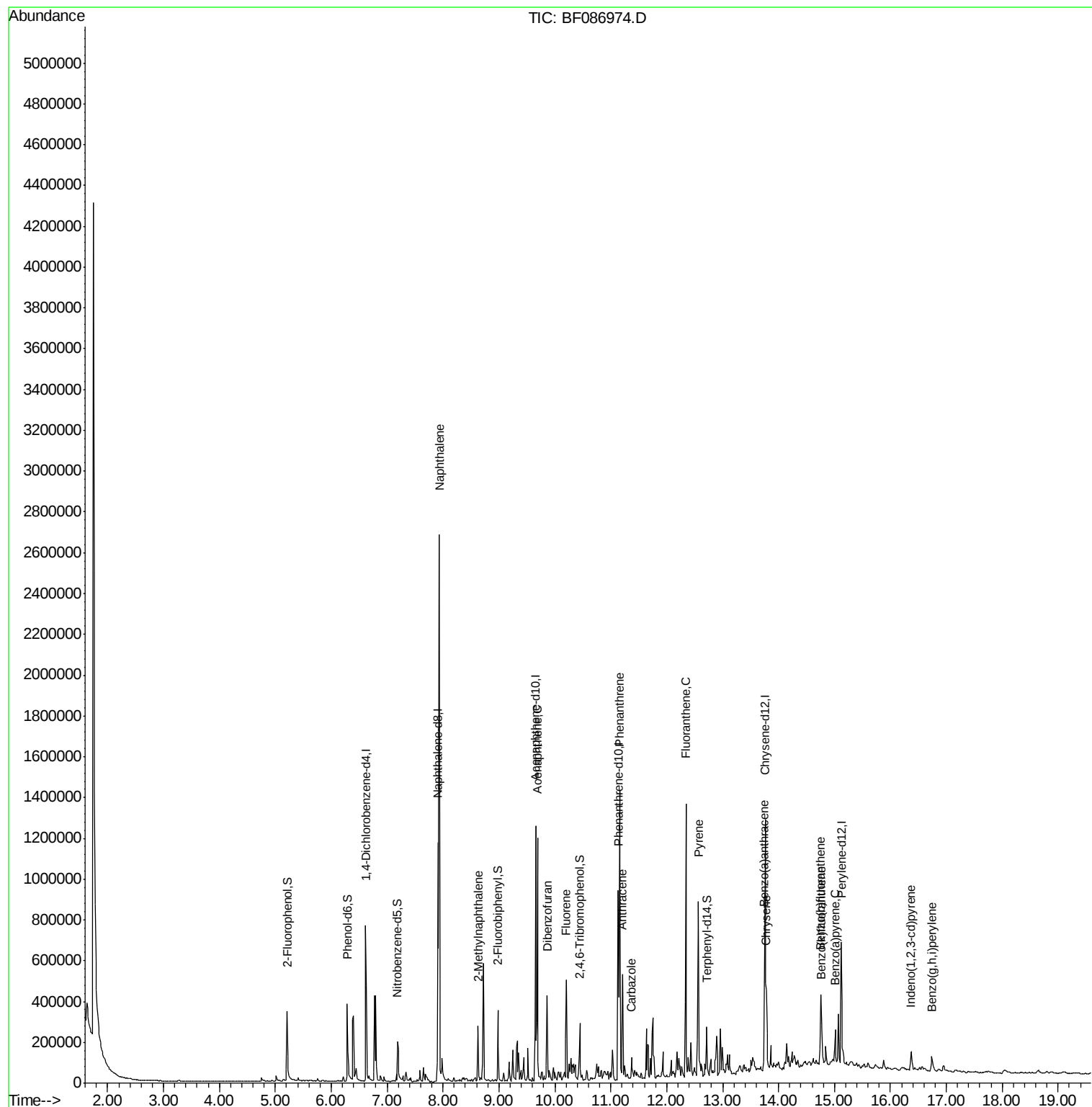
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086974.D
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Misc :
ALS Vial : 52 Sample Multiplier: 1

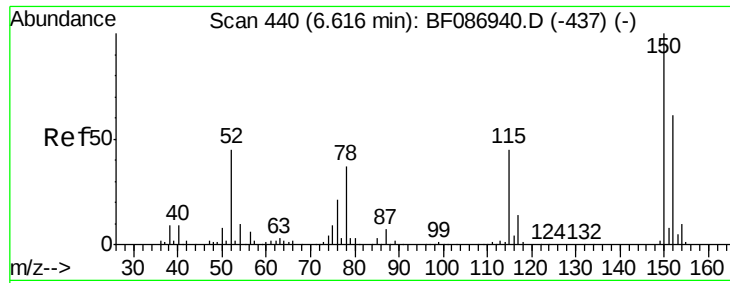
Instrument :
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E-17(10-10.5)DL

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Quant Time: May 13 15:39:49 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

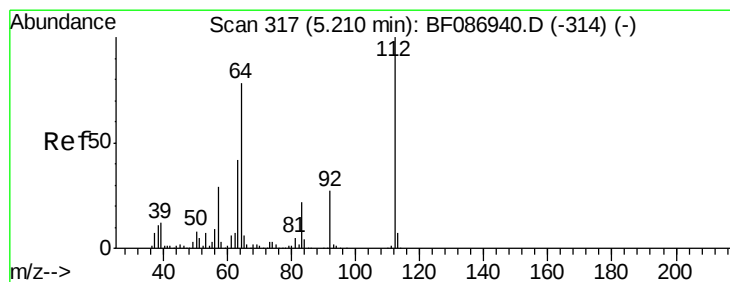
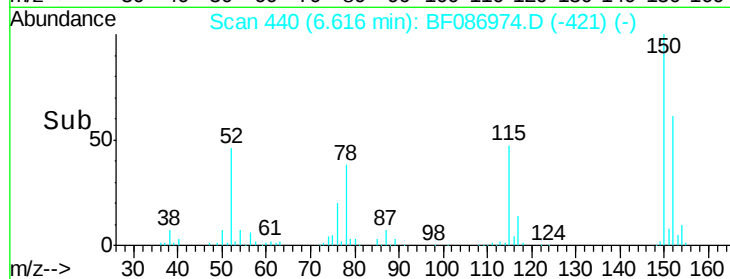
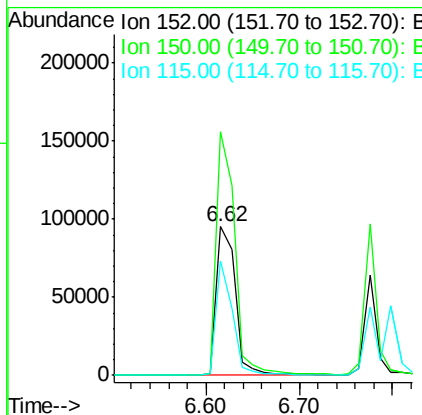
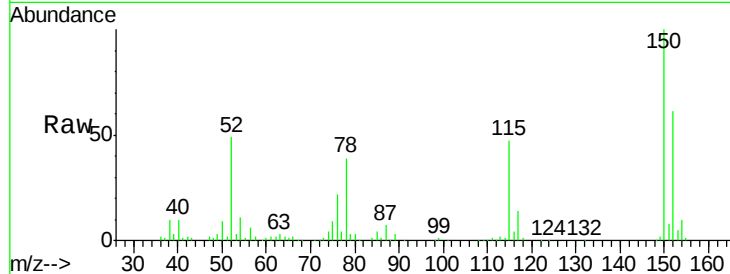
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.08 min
Lab File: BF086974.D
Acq: 13 May 2016 14:32

Instrument :
BNA_F
ClientSampleId :
E-17(10-10.5)DL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	135124		
150	163.6	125.8	188.6	
115	77.1	51.5	77.3	

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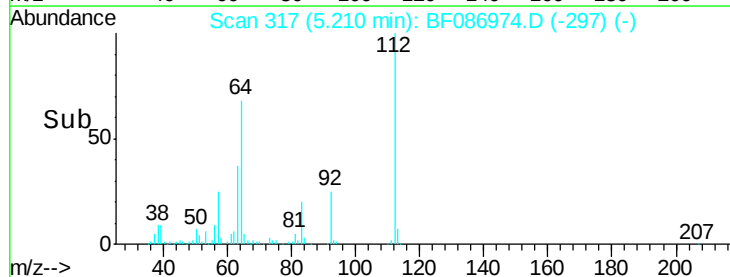
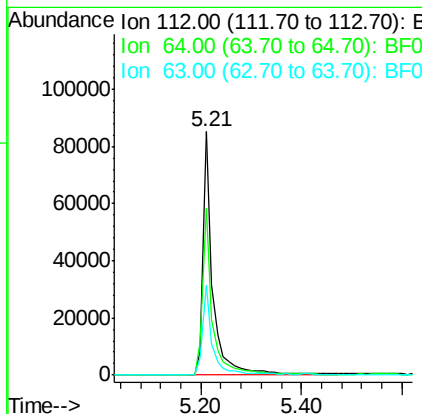
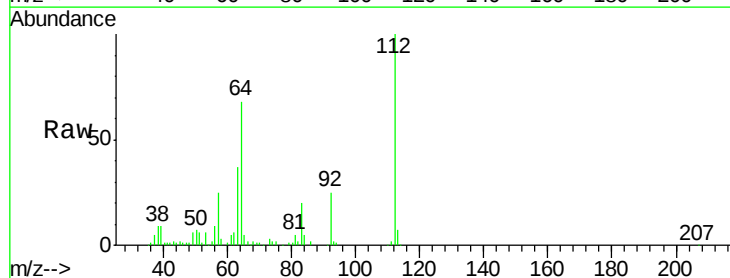
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#5

2-Fluorophenol
Concen: 14.75 ng
RT: 5.21 min Scan# 317
Delta R.T. -0.08 min
Lab File: BF086974.D
Acq: 13 May 2016 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	117664		
64	68.3	52.1	78.1	
63	37.0	25.7	38.5	





#7

Phenol-d6

Concen: 14.99 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF086974.D

Acq: 13 May 2016 14:32

Instrument :

BNA_F

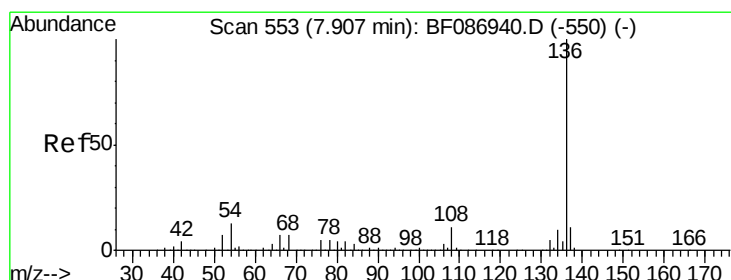
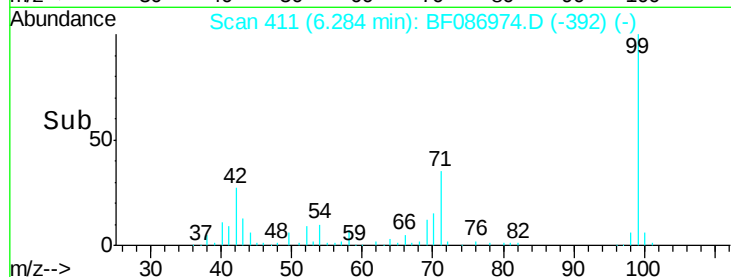
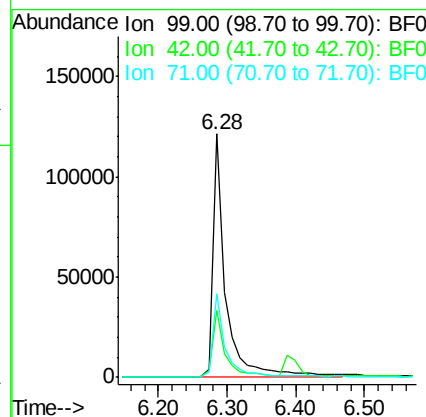
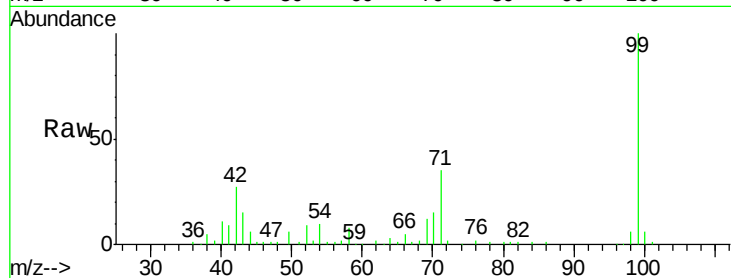
ClientSampleId :

E-17(10-10.5)DL

Tgt Ion	Ratio	Lower	Upper
99	100		
42	27.4	13.6	20.4#
71	34.5	24.6	36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

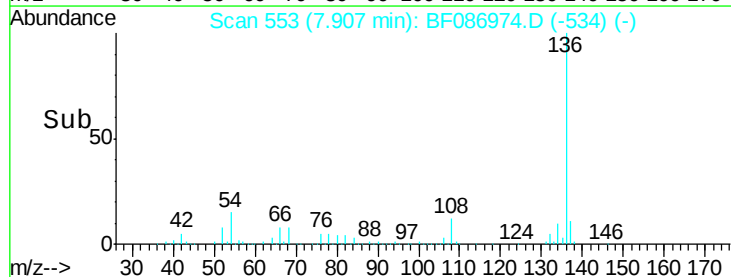
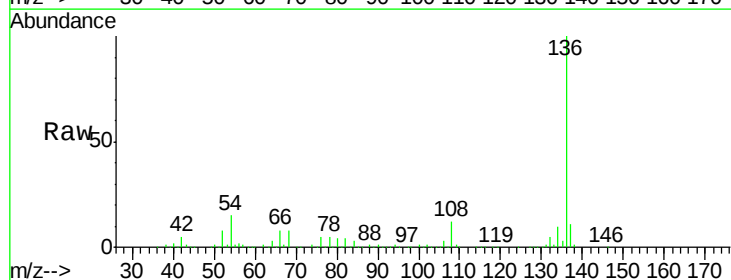
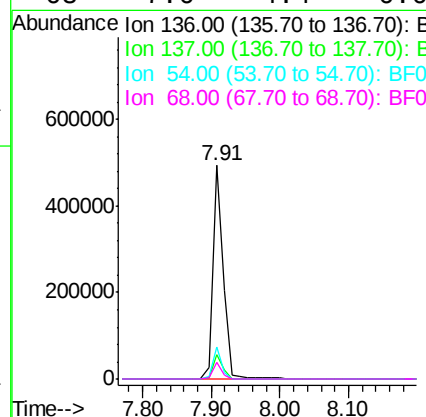
RT: 7.91 min Scan# 553

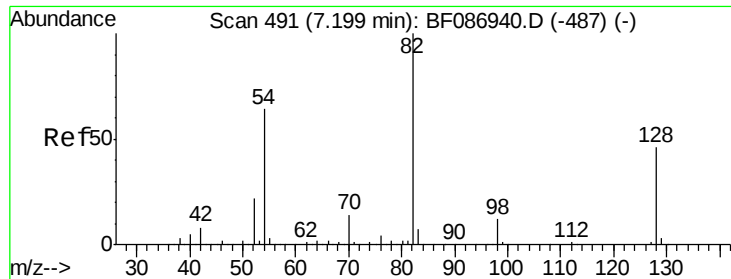
Delta R.T. -0.08 min

Lab File: BF086974.D

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Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	14.8	5.0	7.4#
68	7.6	4.4	6.6#





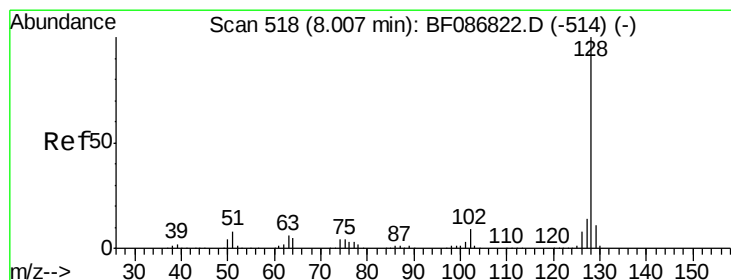
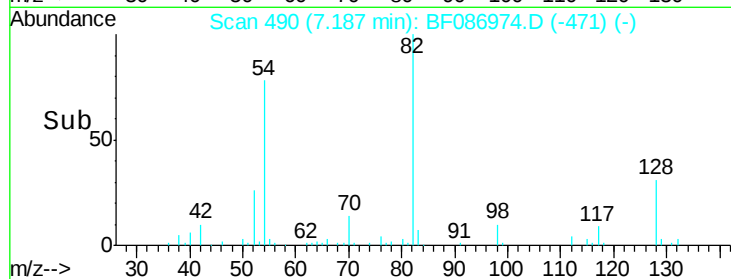
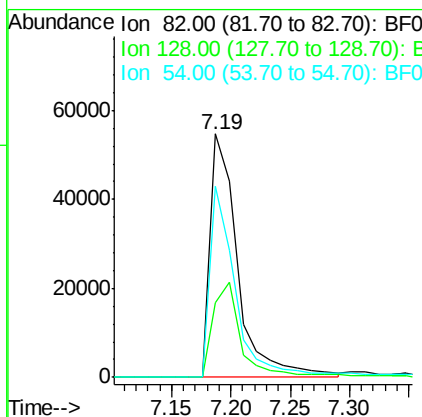
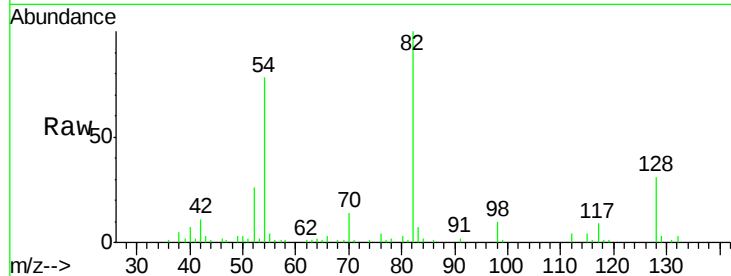
#23
Nitrobenzene-d5
Concen: 8.50 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF086974.D
Acq: 13 May 2016 14:32

Instrument :
BNA_F
ClientSampleId :
E-17(10-10.5)DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	30.6	40.6	61.0#
54	78.5	38.1	57.1#

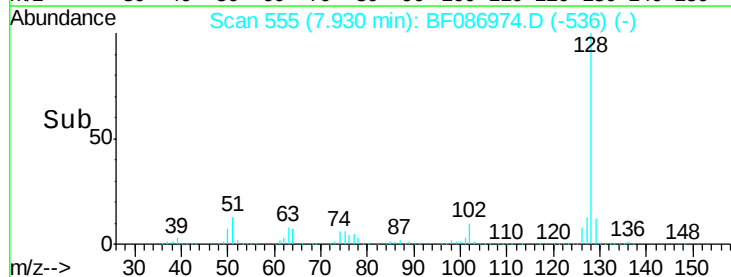
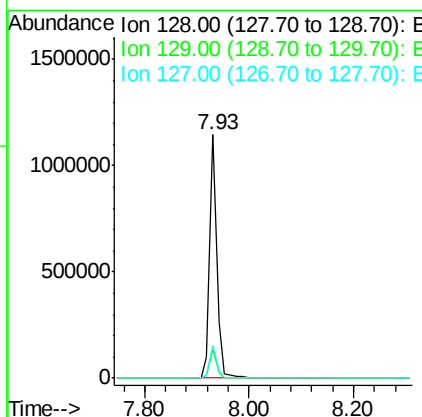
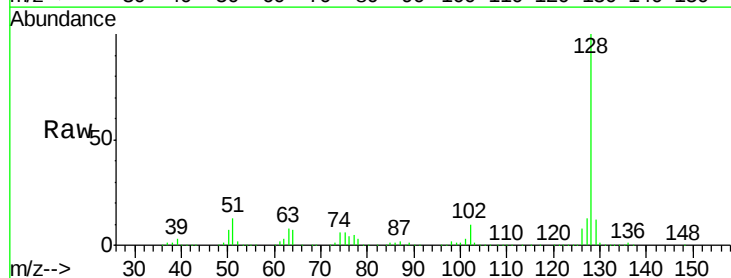
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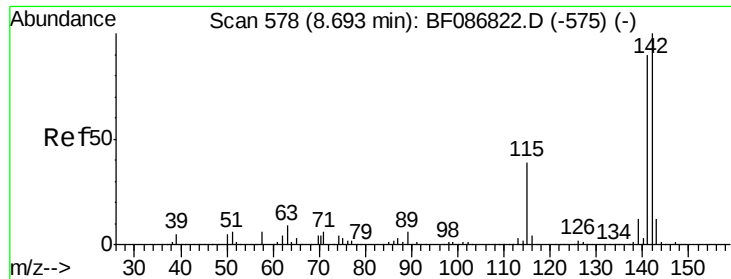
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#31
Naphthalene
Concen: 41.58 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.08 min
Lab File: BF086974.D
Acq: 13 May 2016 14:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.6	13.0
127	13.4	10.8	16.2





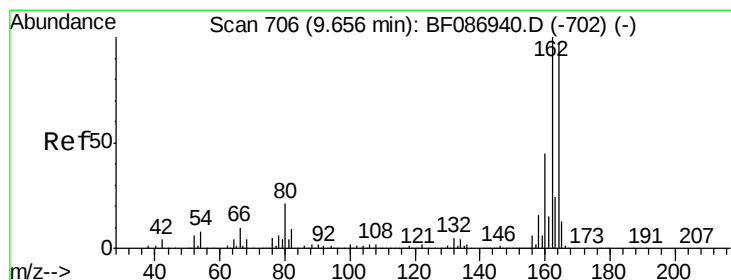
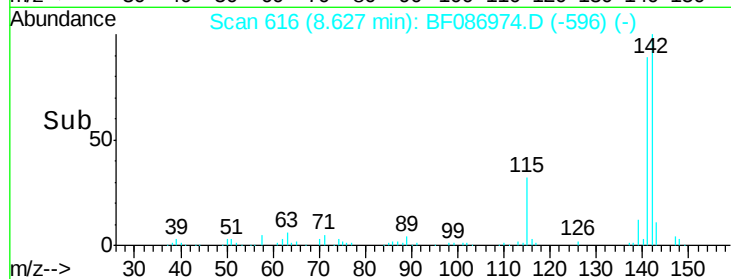
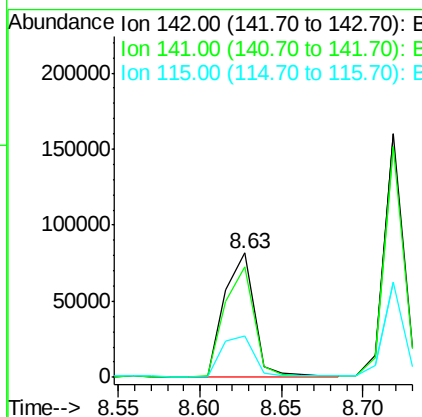
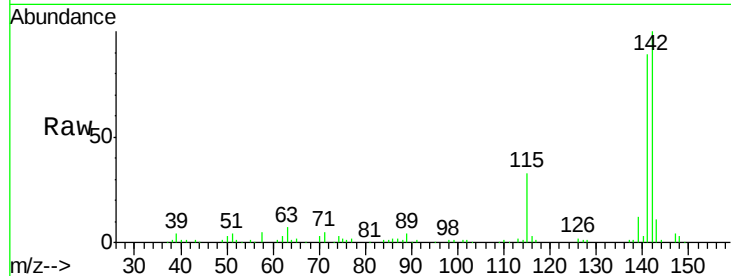
#37
 2-Methylnaphthalene
 Concen: 6.92 ng
 RT: 8.63 min Scan# 616
 Delta R.T. -0.07 min
 Lab File: BF086974.D
 Acq: 13 May 2016 14:32

Instrument :
 BNA_F
 ClientSampleId :
 E-17(10-10.5)DL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	105843		
141	89.1	71.0	106.6	
115	33.1	26.6	39.8	

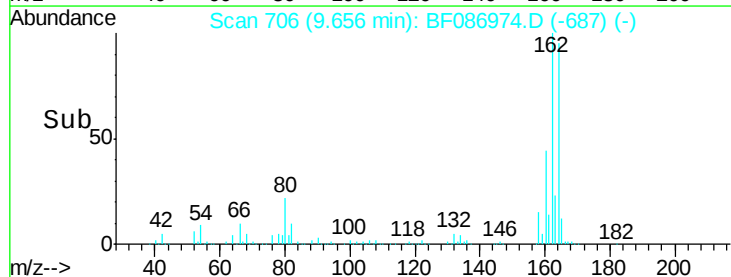
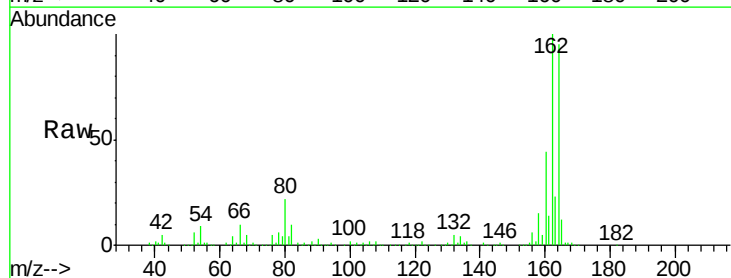
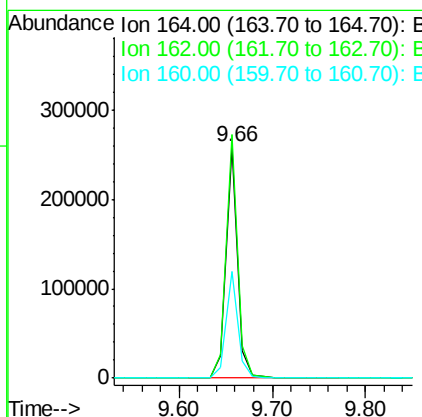
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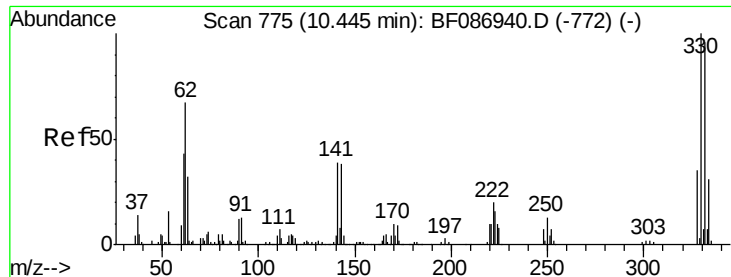
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.08 min
 Lab File: BF086974.D
 Acq: 13 May 2016 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	221497		
162	105.4	82.8	124.2	
160	46.0	36.9	55.3	





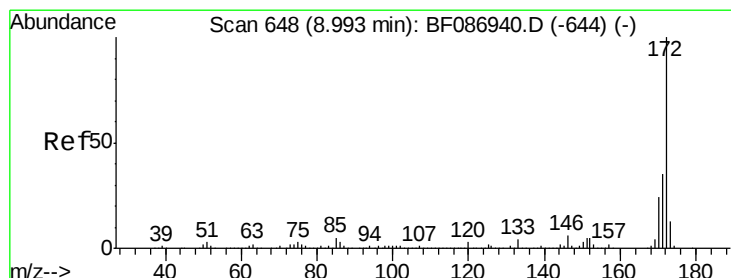
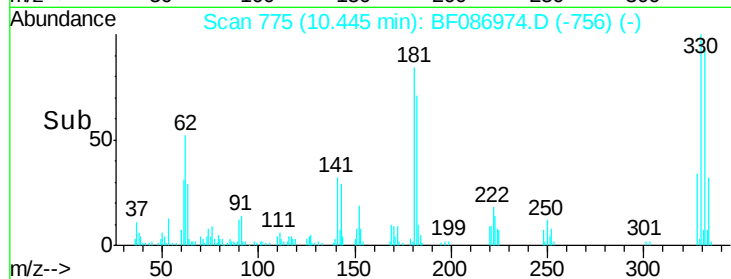
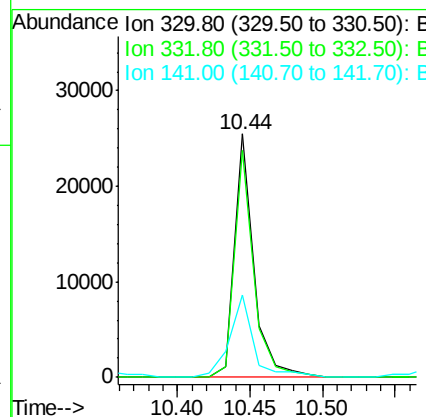
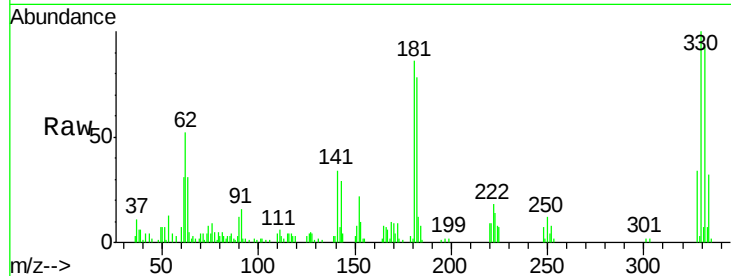
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 2,4,6-Tribromophenol
 Concen: 10.09 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF086974.D
 Acq: 13 May 2016 14:32

Instrument :
 BNA_F
 ClientSampleId :
 E-17(10-10.5)DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	23665		
332	92.9	79.0	118.4	
141	41.8	31.2	46.8	

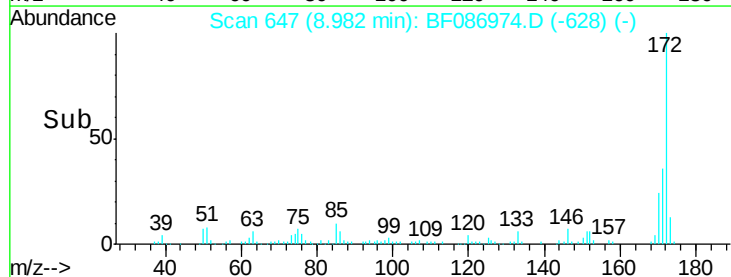
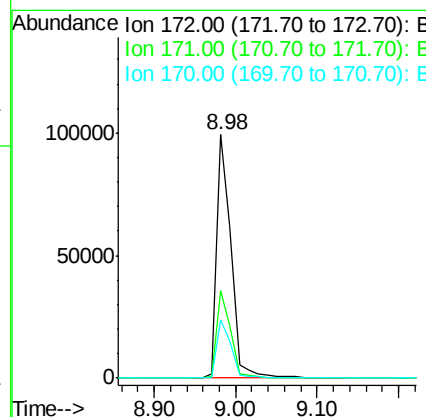
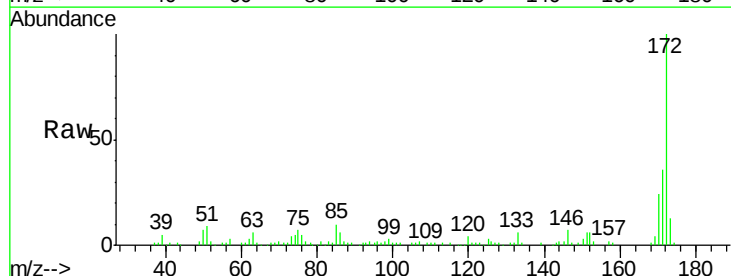
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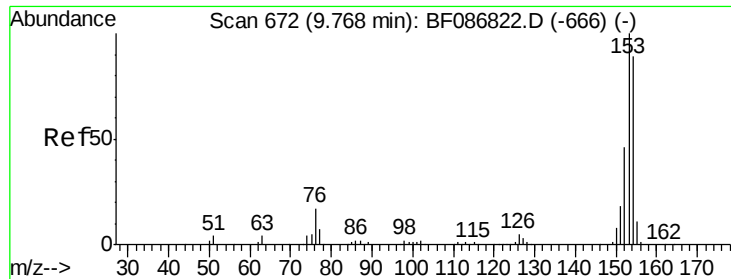
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#44
 2-Fluorobiphenyl
 Concen: 9.27 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF086974.D
 Acq: 13 May 2016 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	122209		
171	36.0	29.0	43.6	
170	23.7	19.8	29.8	





#51

Acenaphthene

Concen: 19.93 ng

RT: 9.69 min Scan# 709

Delta R.T. -0.08 min

Lab File: BF086974.D

Acq: 13 May 2016 14:32

Instrument :

BNA_F

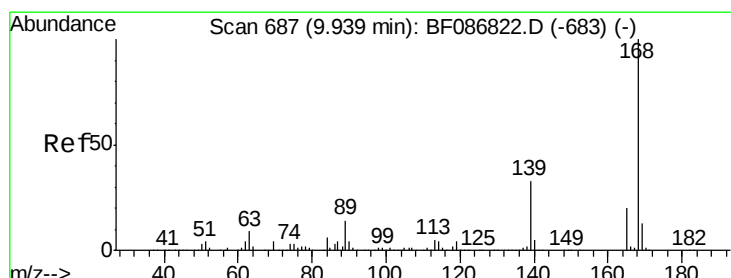
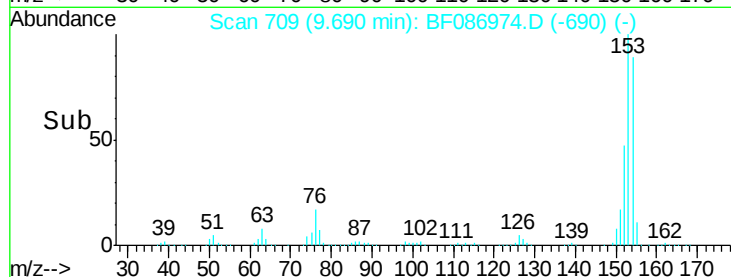
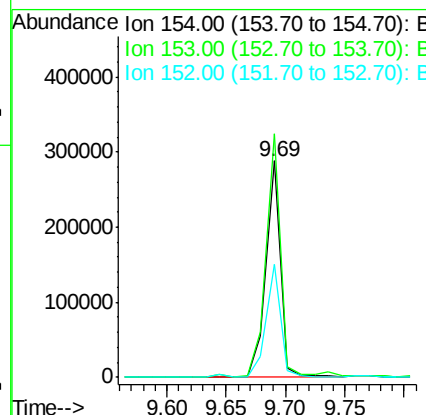
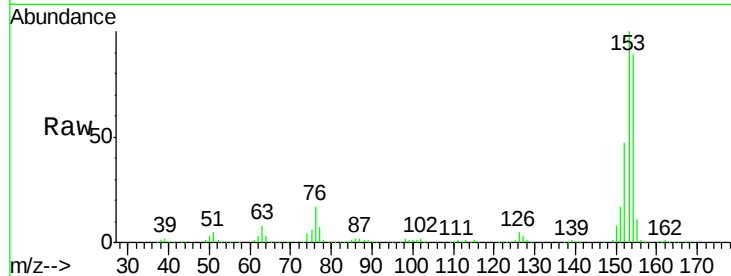
ClientSampleId :

E-17(10-10.5)DL

Tgt Ion:	154	Resp:	251735
Ion Ratio	Lower	Upper	
154	100		
153	112.4	89.8	134.6
152	52.3	43.4	65.0

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#54

Dibenzofuran

Concen: 8.31 ng

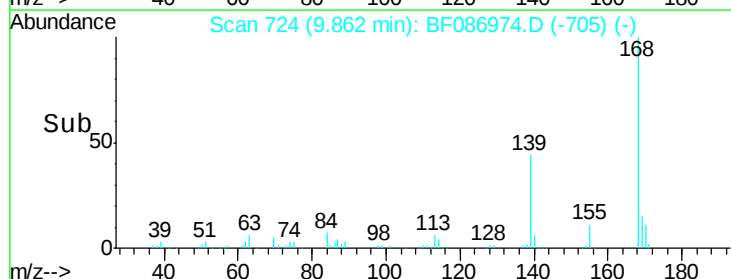
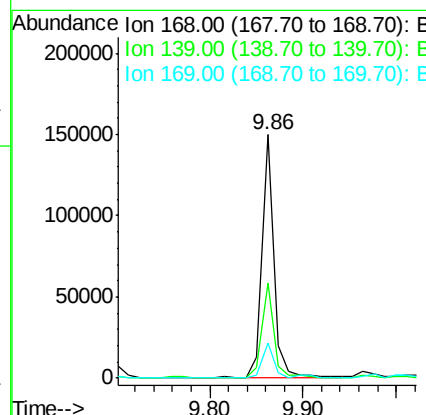
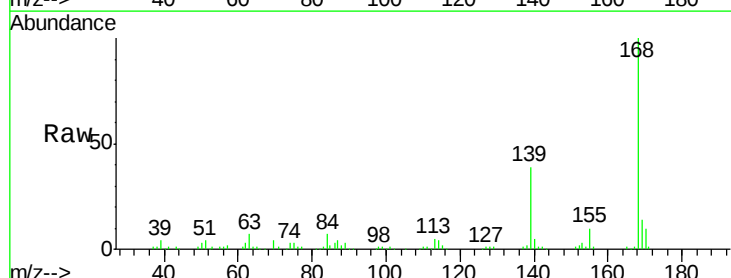
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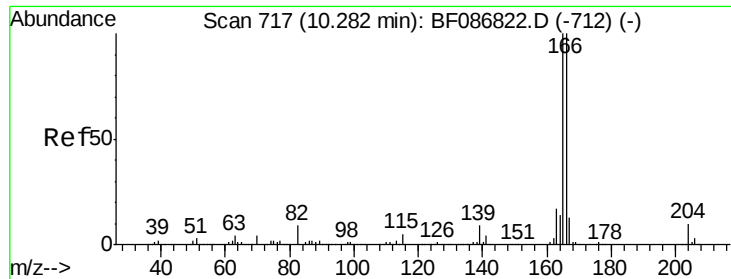
Delta R.T. -0.08 min

Lab File: BF086974.D

Acq: 13 May 2016 14:32

Tgt Ion:	168	Resp:	134735
Ion Ratio	Lower	Upper	
168	100		
139	39.0	31.4	47.0
169	14.3	10.7	16.1





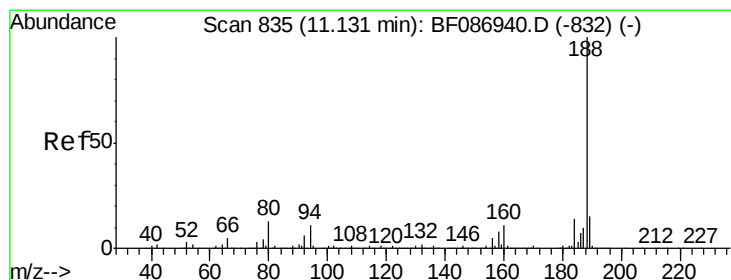
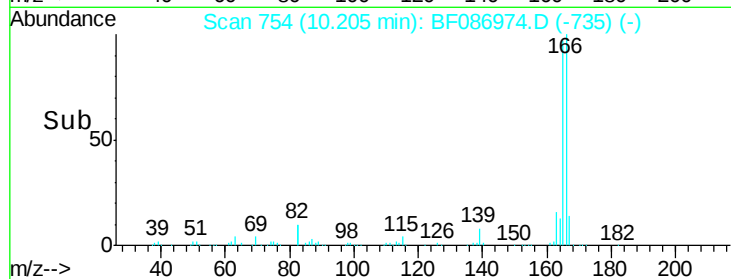
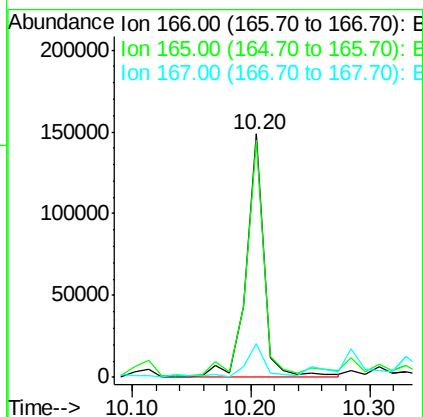
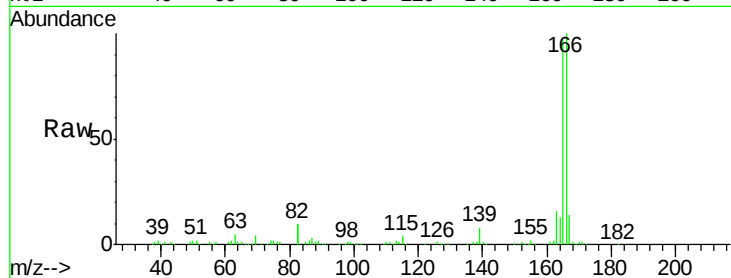
#57
Fluorene
 Concen: 11.13 ng
 RT: 10.20 min Scan# 754
 Delta R.T. -0.08 min
 Lab File: BF086974.D
 Acq: 13 May 2016 14:32

Instrument :
 BNA_F
 ClientSampleId :
 E-17(10-10.5)DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	153885		
165	97.3	79.0	118.6	
167	13.9	10.6	15.8	

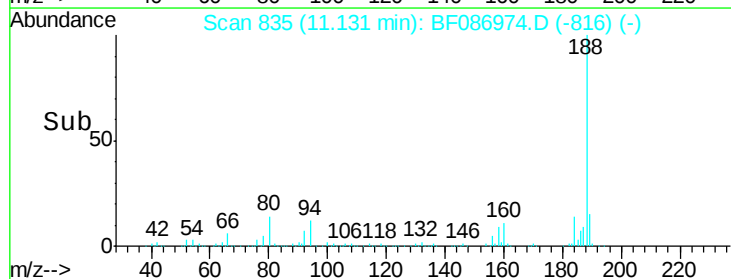
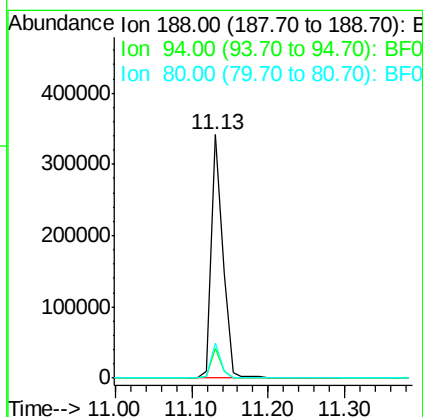
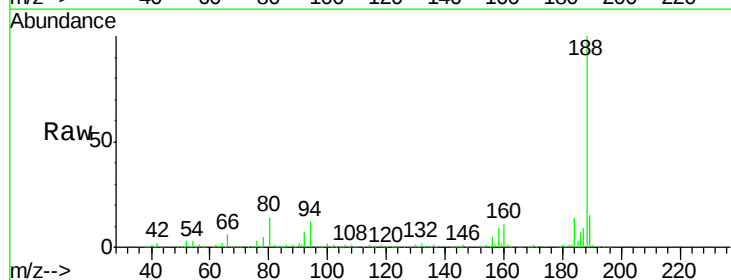
Manual Integrations
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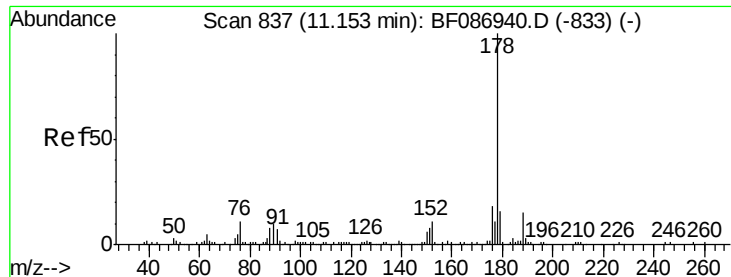
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.08 min
 Lab File: BF086974.D
 Acq: 13 May 2016 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	353743		
94	12.3	6.8	10.2#	
80	14.1	7.1	10.7#	





#70

Phenanthrene

Concen: 35.36 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.08 min

Lab File: BF086974.D

Acq: 13 May 2016 14:32

Instrument :

BNA_F

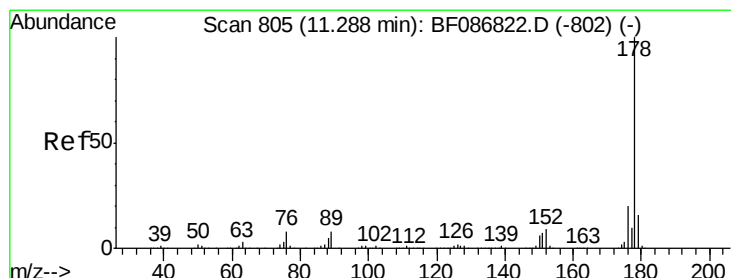
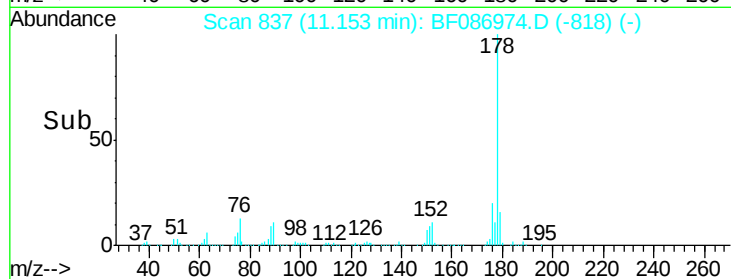
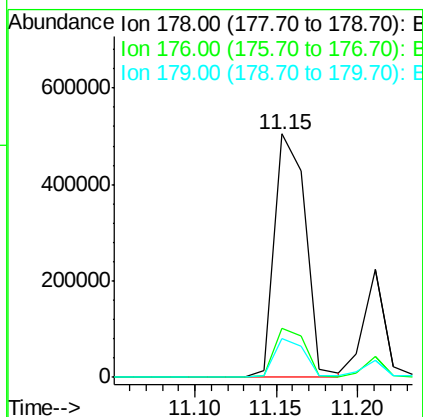
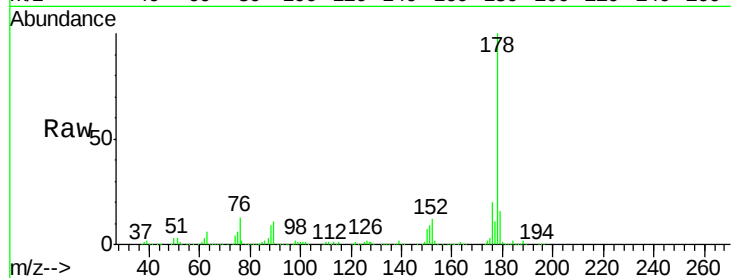
ClientSampleId :

E-17(10-10.5)DL

Tgt Ion:	178	Resp:	667585
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.0	24.0
179	15.8	12.6	18.8

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#71

Anthracene

Concen: 11.33 ng

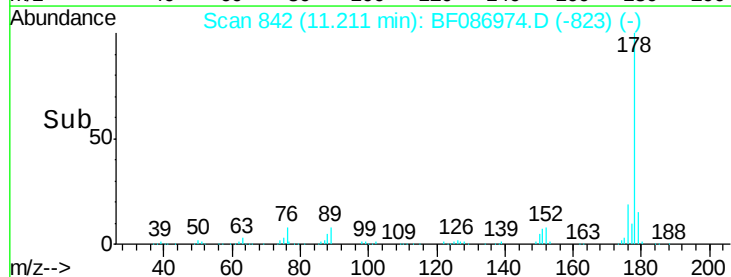
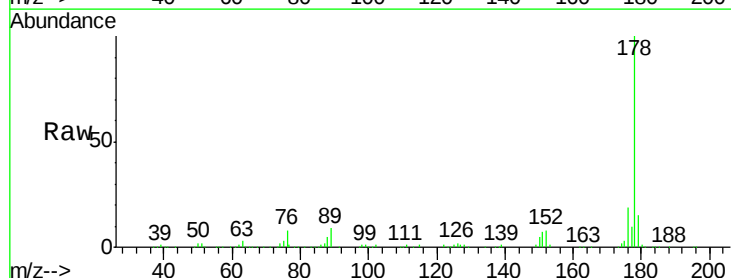
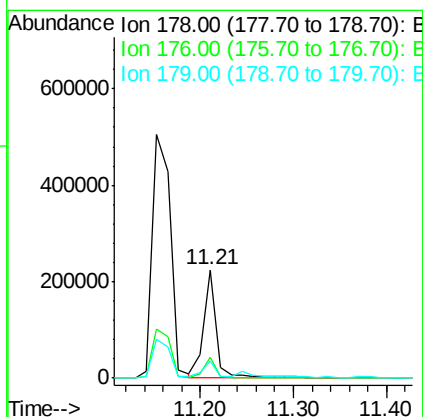
RT: 11.21 min Scan# 842

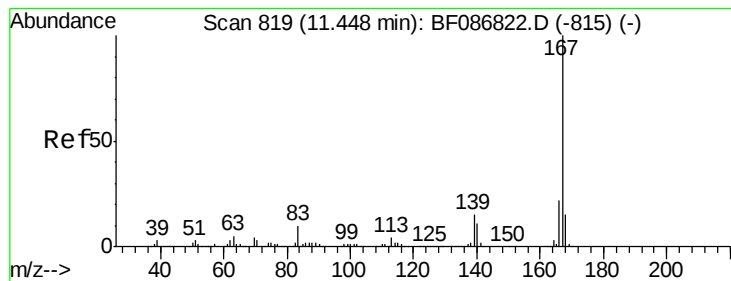
Delta R.T. -0.08 min

Lab File: BF086974.D

Acq: 13 May 2016 14:32

Tgt Ion:	178	Resp:	218694
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.6	23.4
179	15.3	12.7	19.1





#72

Carbazole

Concen: 2.89 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.08 min

Lab File: BF086974.D

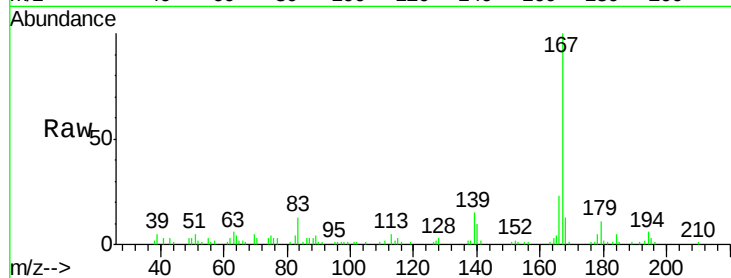
Acq: 13 May 2016 14:32

Instrument :

BNA_F

ClientSampleId :

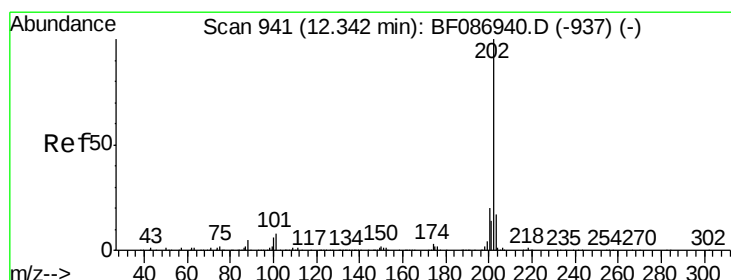
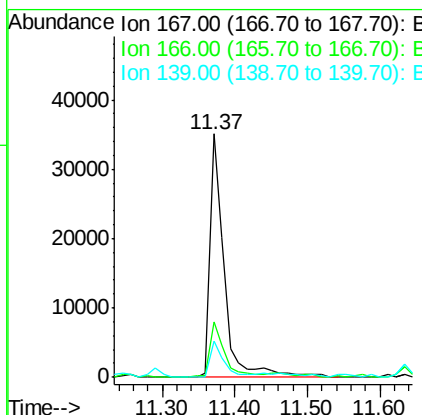
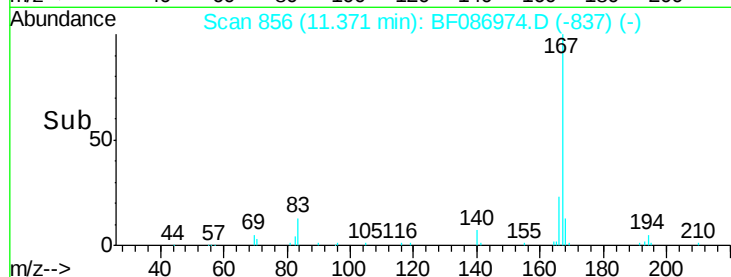
E-17(10-10.5)DL



Tgt Ion:	167	Resp:	47940
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.7	26.5
139	14.7	10.8	16.2

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#74

Fluoranthene

Concen: 27.14 ng

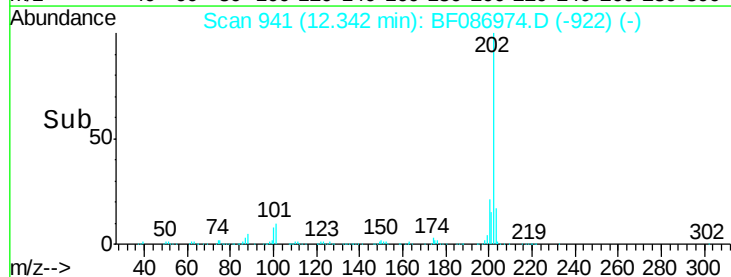
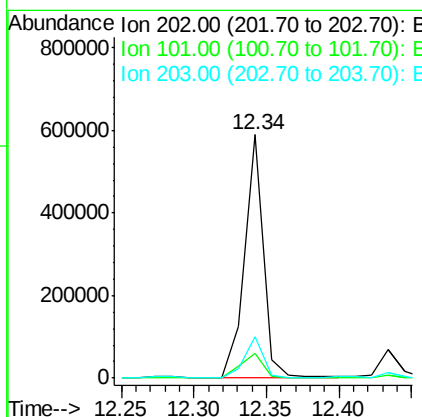
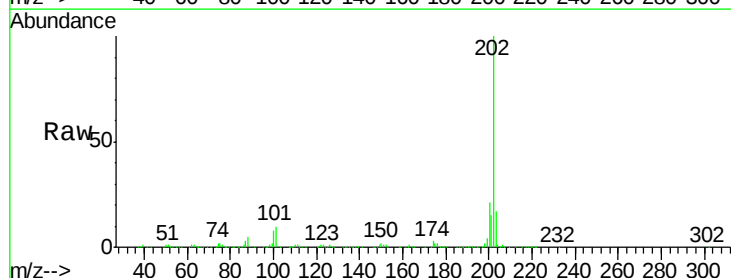
RT: 12.34 min Scan# 941

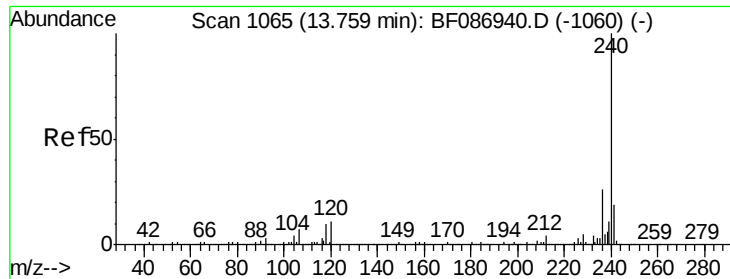
Delta R.T. -0.08 min

Lab File: BF086974.D

Acq: 13 May 2016 14:32

Tgt Ion:	202	Resp:	526967
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	35.4
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF086974.D

Acq: 13 May 2016 14:32

Instrument :

BNA_F

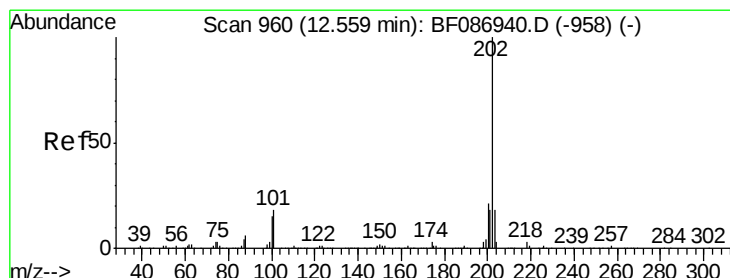
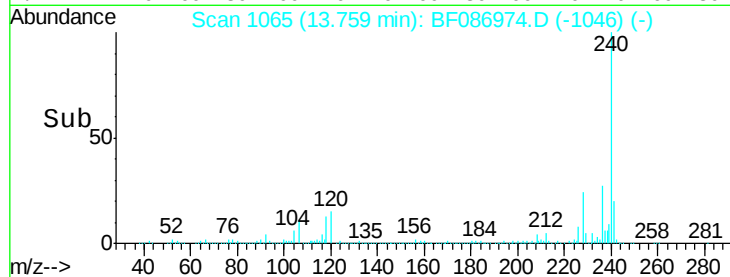
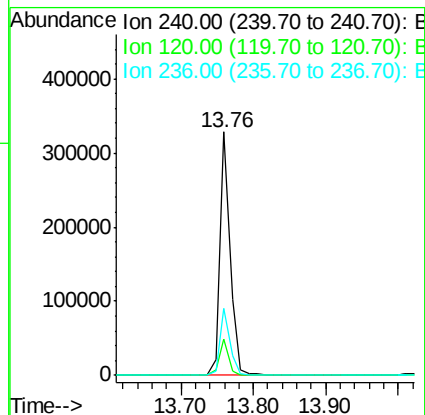
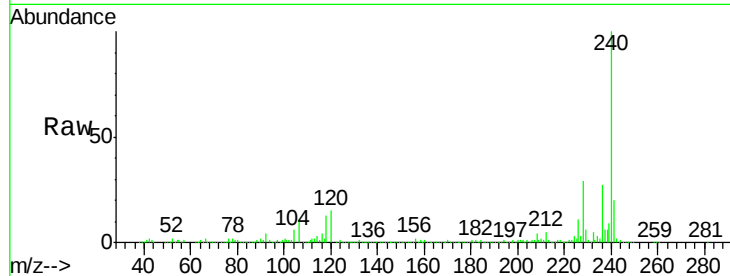
ClientSampleId :

E-17(10-10.5)DL

Tgt	Ion	240	Resp:	323093
Ion	Ratio	Lower	Upper	
240	100			
120	14.8	11.2	16.8	
236	27.4	21.2	31.8	

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#77

Pyrene

Concen: 19.56 ng

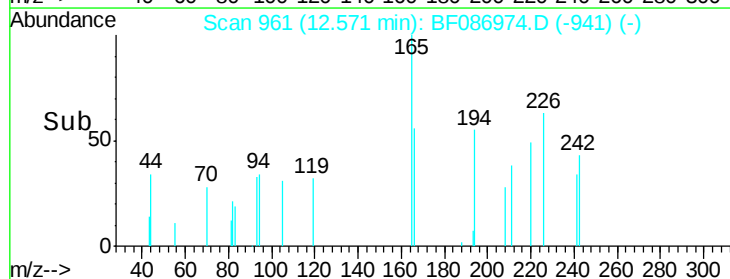
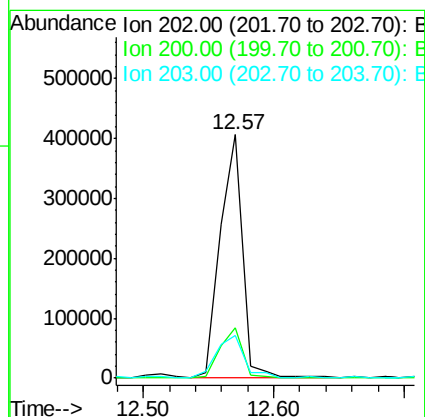
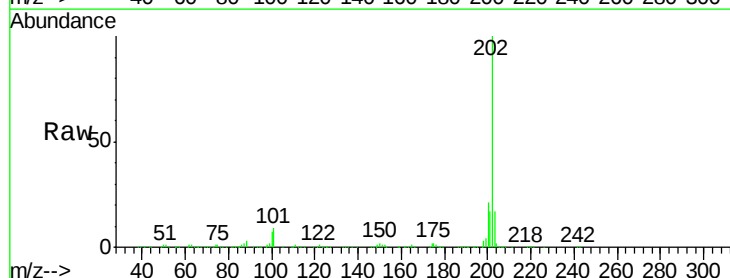
RT: 12.57 min Scan# 961

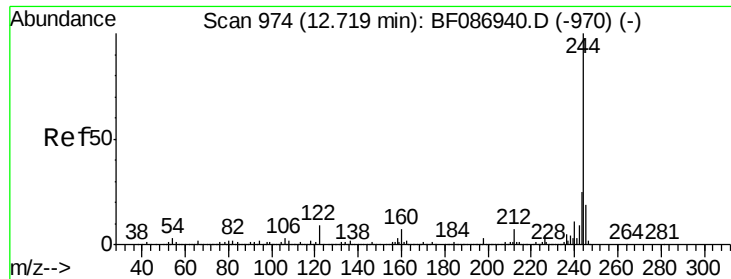
Delta R.T. -0.07 min

Lab File: BF086974.D

Acq: 13 May 2016 14:32

Tgt	Ion	202	Resp:	483848
Ion	Ratio	Lower	Upper	
202	100			
200	20.6	17.7	26.5	
203	17.3	14.2	21.4	





#78

Terphenyl-d14

Concen: 5.61 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF086974.D

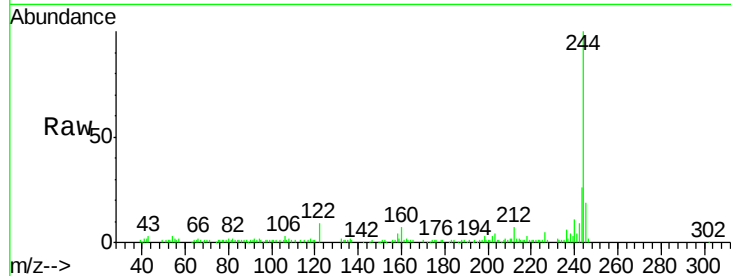
Acq: 13 May 2016 14:32

Instrument :

BNA_F

ClientSampleId :

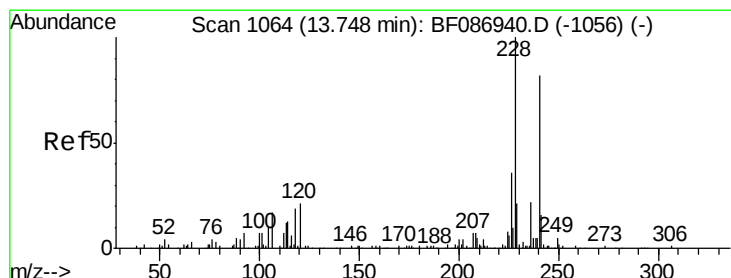
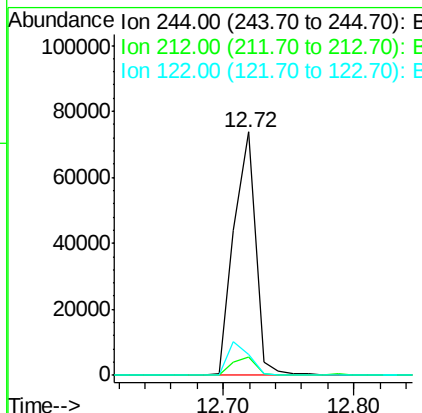
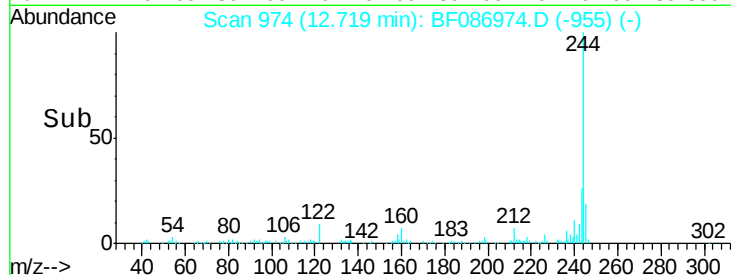
E-17(10-10.5)DL



Tgt Ion:	244	Resp:	85484
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.2	9.2
122	8.7	12.0	18.0#

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#80

Benzo(a)anthracene

Concen: 11.98 ng

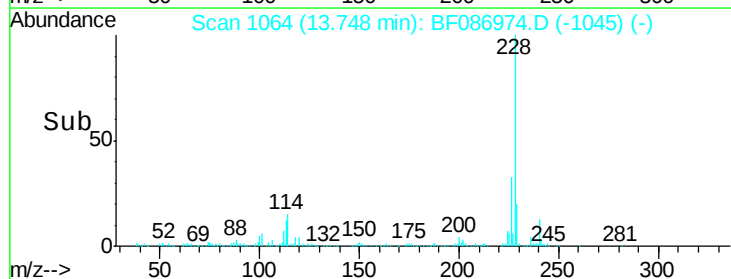
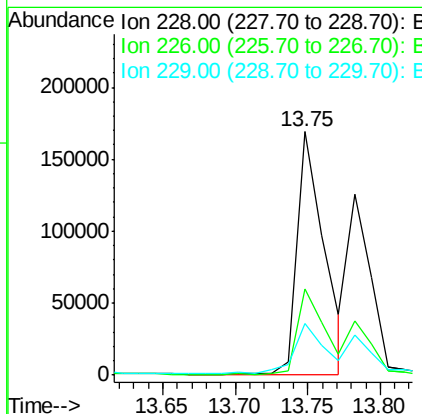
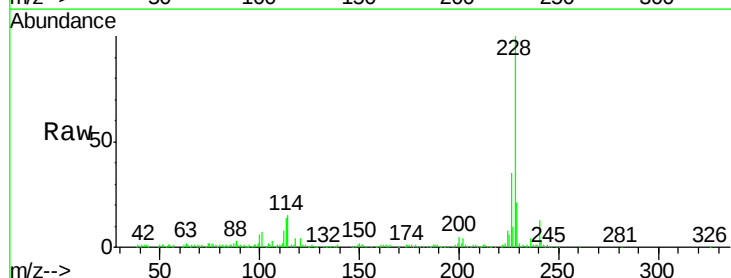
RT: 13.75 min Scan# 1064

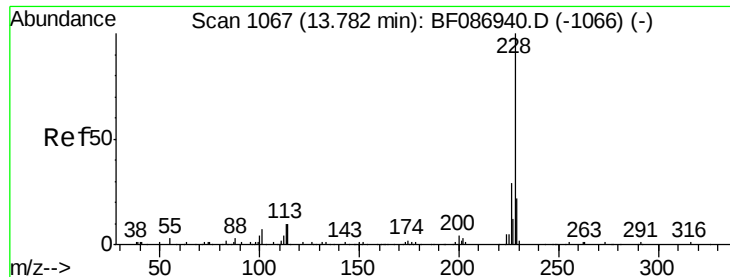
Delta R.T. -0.08 min

Lab File: BF086974.D

Acq: 13 May 2016 14:32

Tgt Ion:	228	Resp:	217310
Ion Ratio	Lower	Upper	
228	100		
226	35.2	22.5	33.7#
229	21.0	16.6	25.0





#82

Chrysene

Concen: 7.62 ng m

RT: 13.78 min Scan# 1067

Delta R.T. -0.08 min

Lab File: BF086974.D

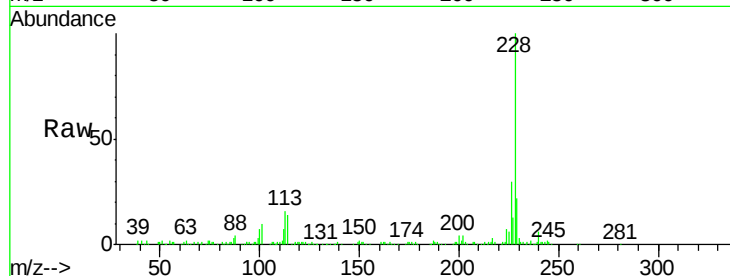
Acq: 13 May 2016 14:32

Instrument :

BNA_F

ClientSampleId :

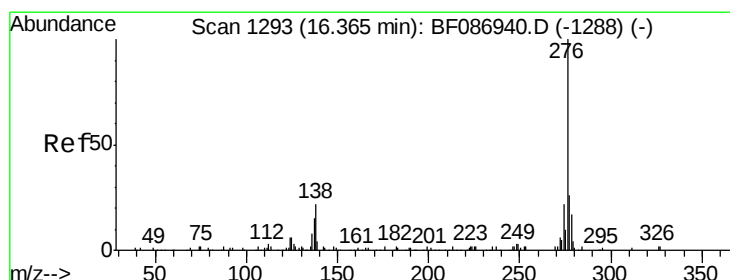
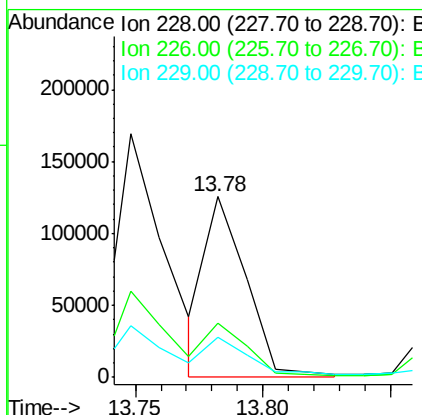
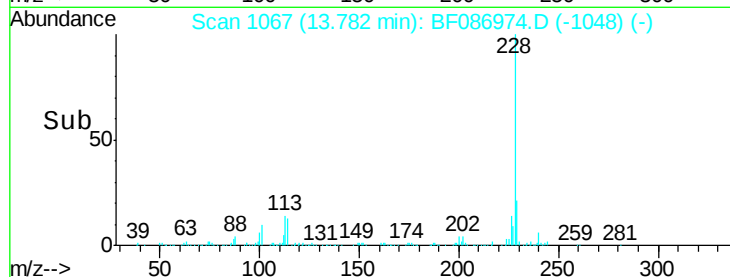
E-17(10-10.5)DL



Tgt Ion:	228	Resp:	140563
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.4	36.6
229	21.9	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.84 ng

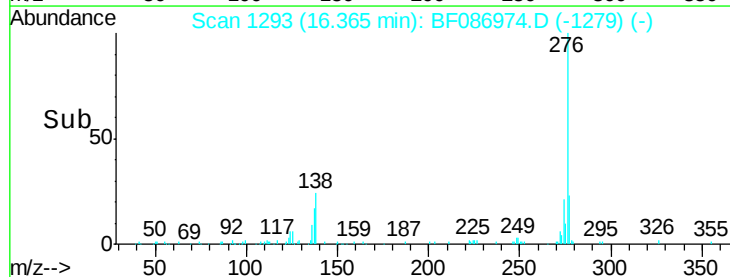
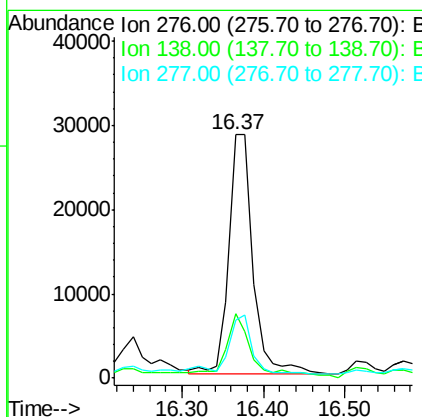
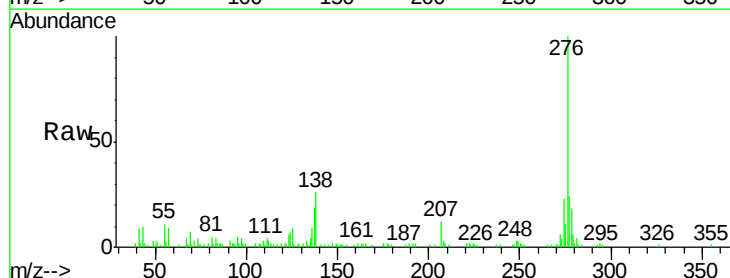
RT: 16.37 min Scan# 1293

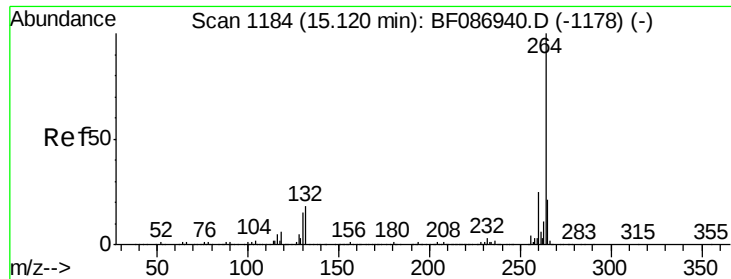
Delta R.T. -0.13 min

Lab File: BF086974.D

Acq: 13 May 2016 14:32

Tgt Ion:	276	Resp:	58908
Ion Ratio	Lower	Upper	
276	100		
138	28.8	25.6	38.4
277	26.9	20.5	30.7





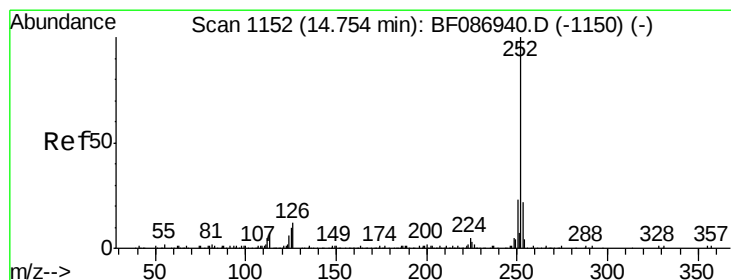
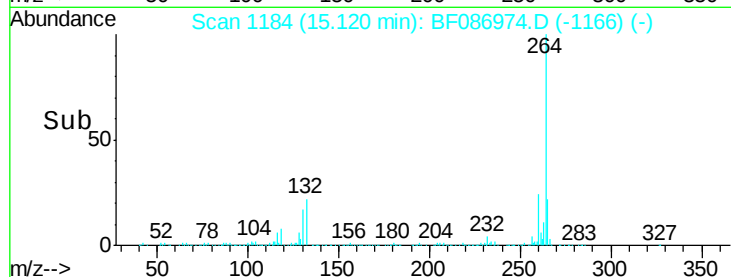
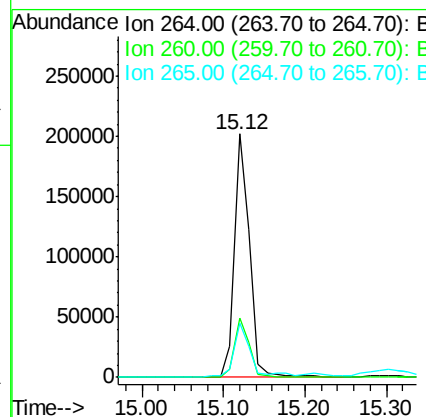
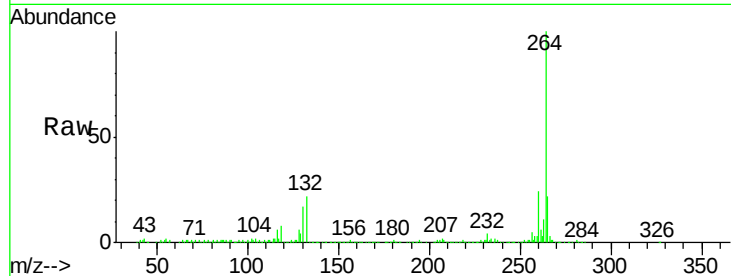
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.09 min
Lab File: BF086974.D
Acq: 13 May 2016 14:32

Instrument :
BNA_F
ClientSampleId :
E-17(10-10.5)DL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	257930		
260	24.2	19.5	29.3	
265	22.1	17.3	25.9	

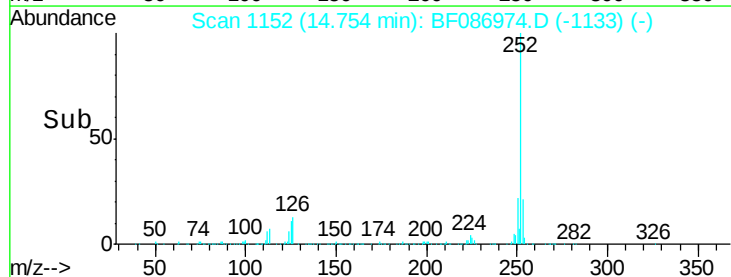
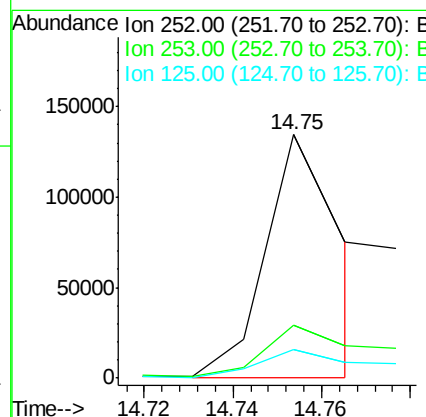
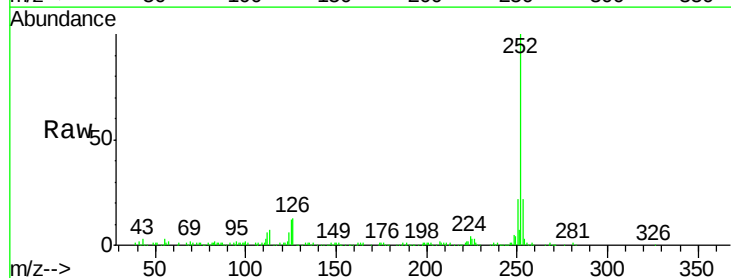
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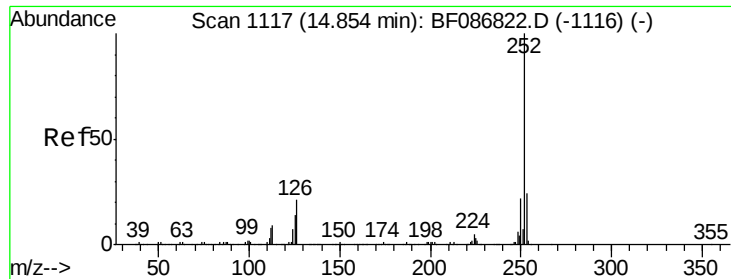
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#87
Benzo(b)fluoranthene
Concen: 9.48 ng m
RT: 14.75 min Scan# 1152
Delta R.T. -0.08 min
Lab File: BF086974.D
Acq: 13 May 2016 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	158932		
253	21.9	17.8	26.6	
125	11.5	11.4	17.0	





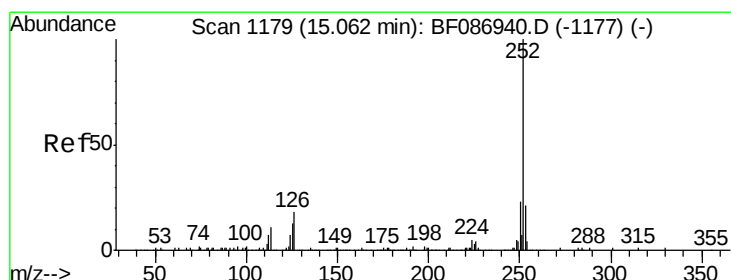
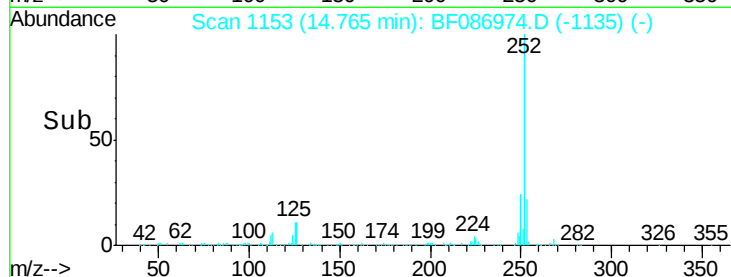
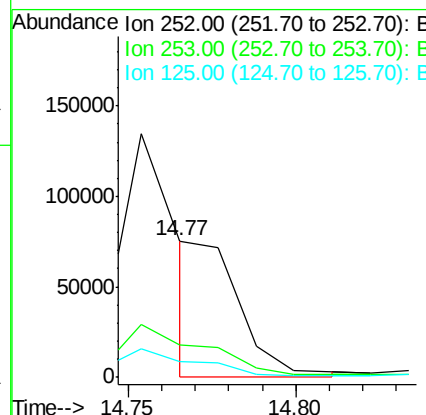
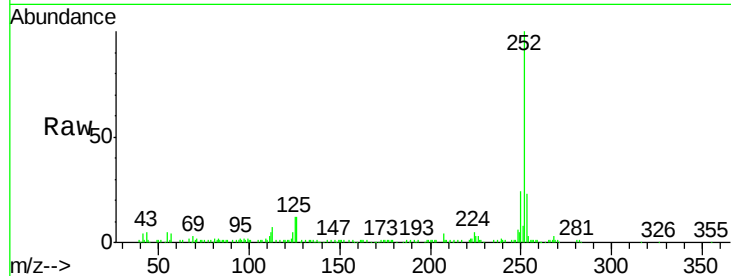
#88
Benzo(k)fluoranthene
Concen: 4.77 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.09 min
Lab File: BF086974.D
Acq: 13 May 2016 14:32

Instrument :
BNA_F
ClientSampleId :
E-17(10-10.5)DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.0	9.1	13.7

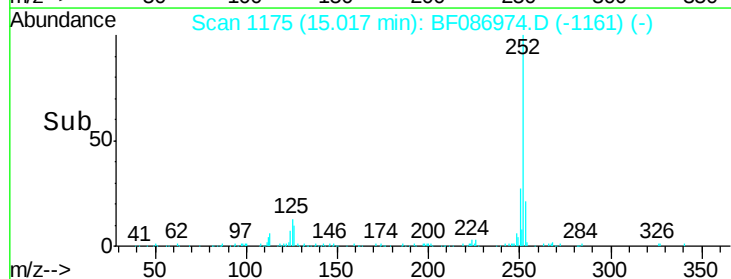
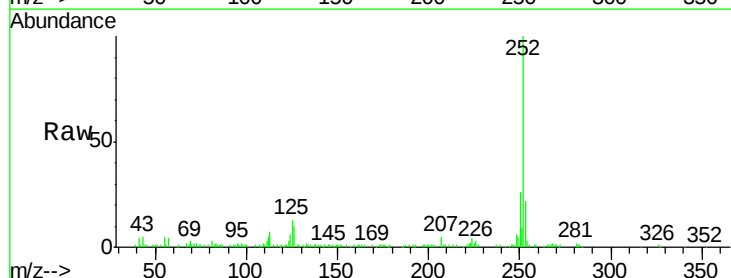
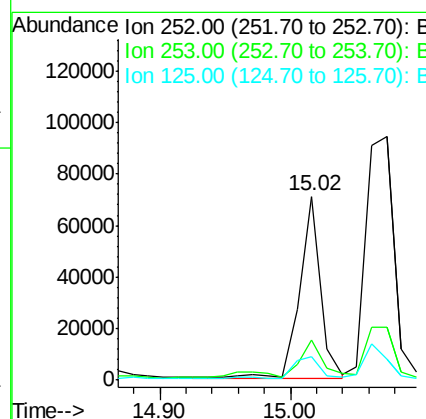
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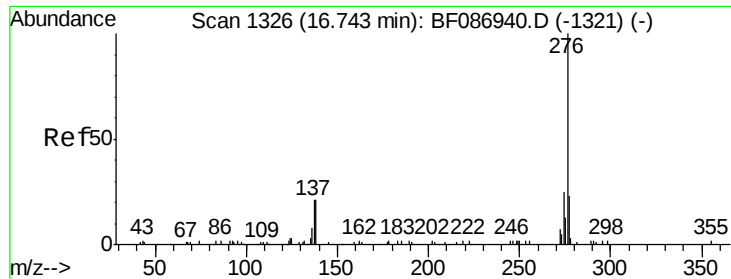
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#89
Benzo(a)pyrene
Concen: 5.41 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.13 min
Lab File: BF086974.D
Acq: 13 May 2016 14:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	13.1	9.0	13.6





#91
 Benzo(g,h,i)perylene
 Concen: 4.42 ng m
 RT: 16.74 min Scan# 1326
 Delta R.T. -0.15 min
 Lab File: BF086974.D
 Acq: 13 May 2016 14:32

Instrument :
 BNA_F
 ClientSampleId :
 E-17(10-10.5)DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.6	29.4
138	23.0	23.6	35.4#

Manual Integrations
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