

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086939.D
 Acq On : 12 May 2016 19:23
 Operator : UM/SJ
 Sample : H2957-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP30-6-7FT

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Quant Time: May 13 01:36:48 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 00:58:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	139968	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	581934	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	273398	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	430359	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	290466	20.00	ng	-0.01
86) Perylene-d12	15.12	264	316011	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1068520	129.28	ng	0.01
7) Phenol-d6	6.28	99	1327856	120.21	ng	-0.01
23) Nitrobenzene-d5	7.20	82	974334	84.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	265198	91.63	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1280758	78.73	ng	0.00
78) Terphenyl-d14	12.72	244	785737	57.39	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.93	128	198723	6.82	ng	99
37) 2-Methylnaphthalene	8.62	142	78066	4.58	ng	96
48) Acenaphthylene	9.52	152	96101	3.83	ng	97
49) Dimethylphthalate	9.39	163	169731	8.14	ng	98
51) Acenaphthene	9.69	154	87289	5.60	ng	98
54) Dibenzofuran	9.86	168	160687	8.03	ng	99
57) Fluorene	10.20	166	176121	10.32	ng	98
70) Phenanthrene	11.15	178	917376	39.94	ng	99
71) Anthracene	11.21	178	224310	9.55	ng	99
72) Carbazole	11.37	167	78877	3.91	ng	98
74) Fluoranthene	12.34	202	705482	29.87	ng	96
77) Pyrene	12.57	202	569278	25.60	ng	99
80) Benzo(a)anthracene	13.75	228	282604	17.33	ng	98
82) Chrysene	13.78	228	200749	12.10	ng	97
85) Indeno(1,2,3-cd)pyrene	16.37	276	112248	8.13	ng	# 90
87) Benzo(b)fluoranthene	14.75	252	268129m	13.06	ng	
88) Benzo(k)fluoranthene	14.77	252	104950m	6.24	ng	
89) Benzo(a)pyrene	15.06	252	217702m	12.29	ng	
90) Dibenzo(a,h)anthracene	16.38	278	31188	2.09	ng	94
91) Benzo(g,h,i)perylene	16.74	276	89069	5.87	ng	# 90

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

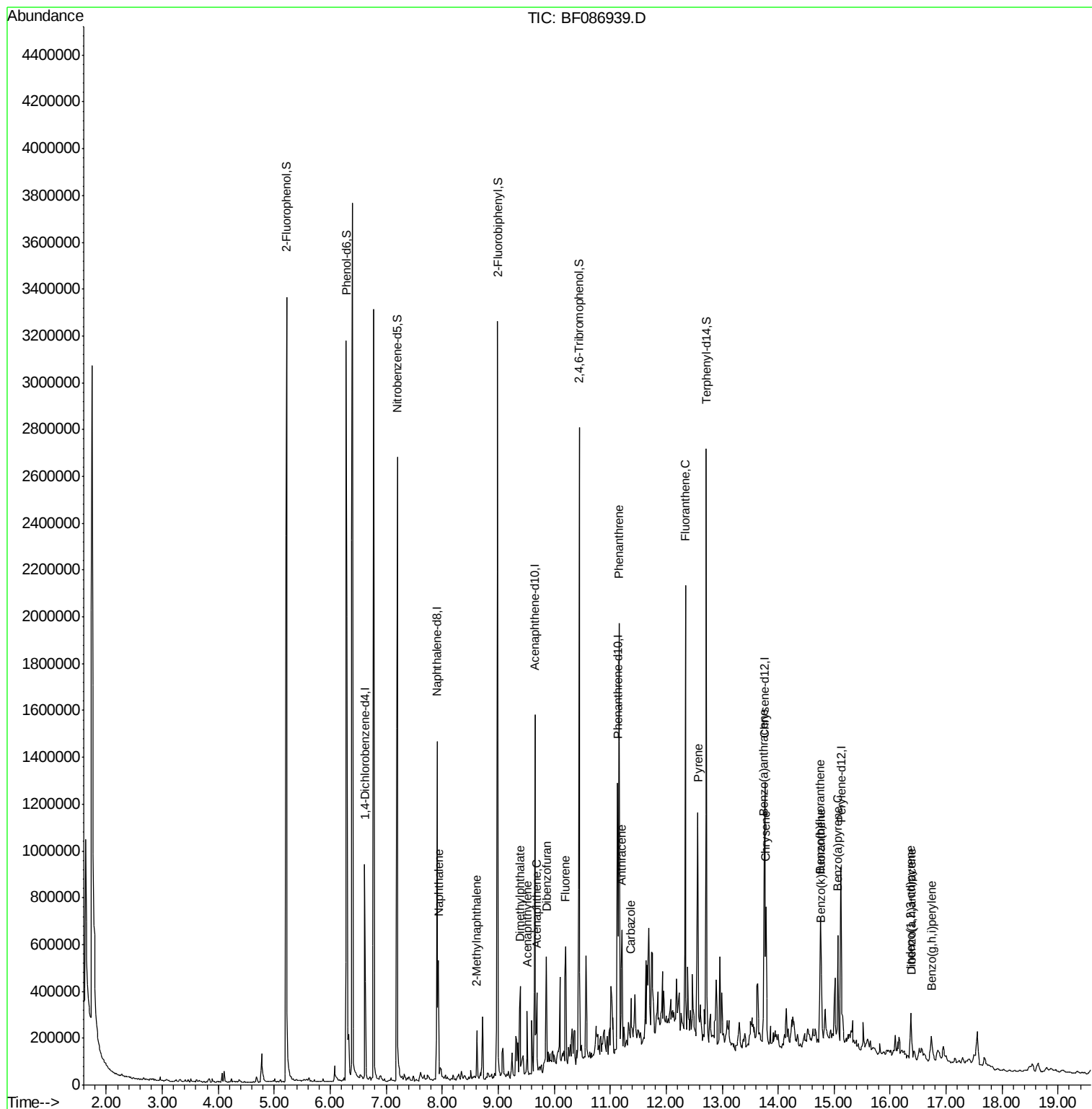
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086939.D
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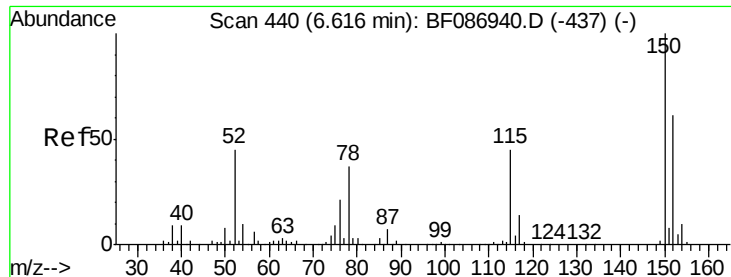
Instrument :
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ClientSampleId :
TP30-6-7FT

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Quant Time: May 13 01:36:48 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 00:58:18 2016
Response via : Initial Calibration





#1

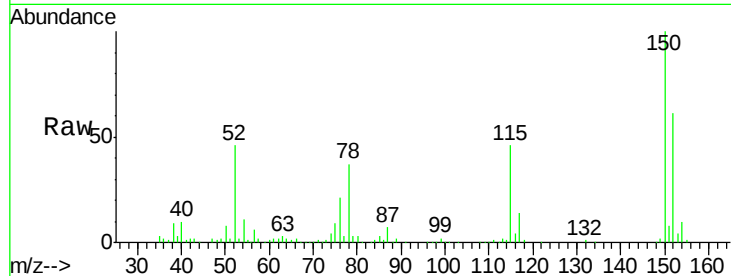
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF086939.D
Acq: 12 May 2016 19:23

Instrument :
BNA_F
ClientSampleId :
TP30-6-7FT

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	139968		
150	163.0	125.8	188.6	
115	74.6	51.5	77.3	

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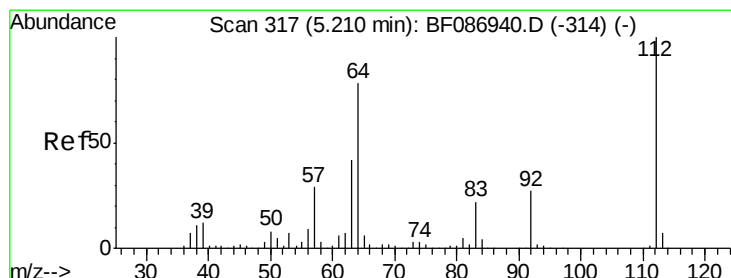
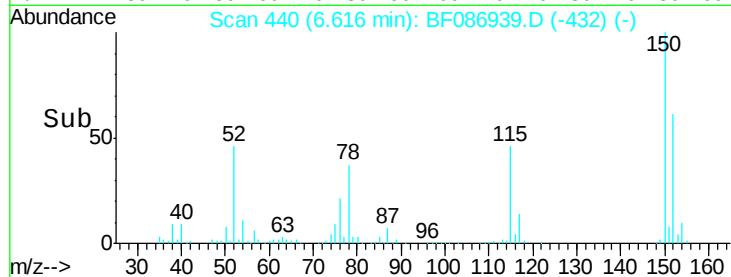
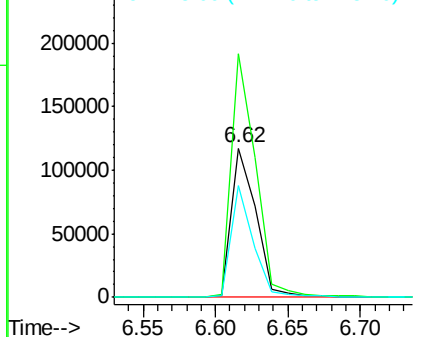


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

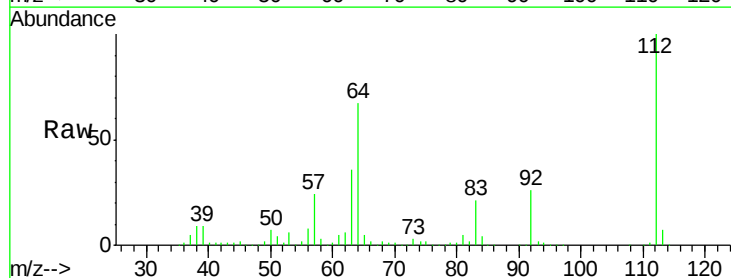
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 129.28 ng
RT: 5.22 min Scan# 318
Delta R.T. 0.01 min
Lab File: BF086939.D
Acq: 12 May 2016 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1068520		
64	66.6	52.1	78.1	
63	36.4	25.7	38.5	

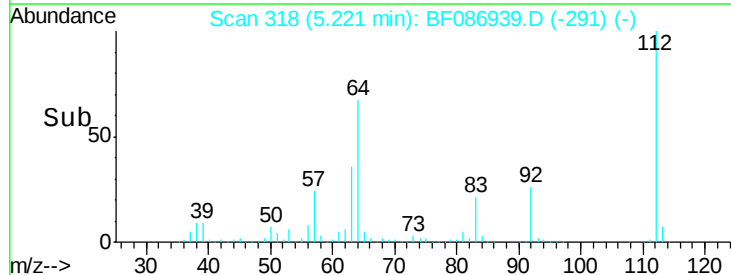
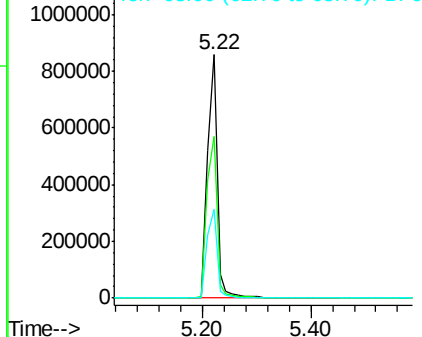


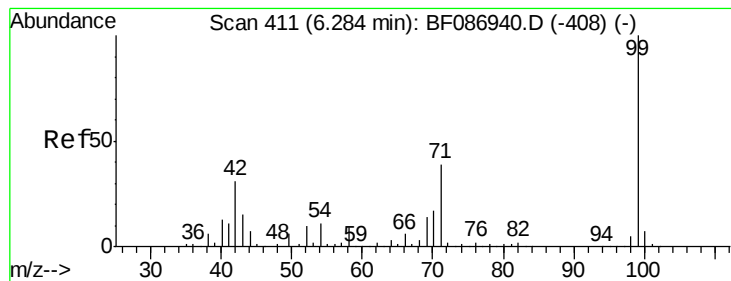
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.21 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Instrument :

BNA_F

ClientSampleId :

TP30-6-7FT

Tgt Ion: 99 Resp: 1327856

Ion Ratio Lower Upper

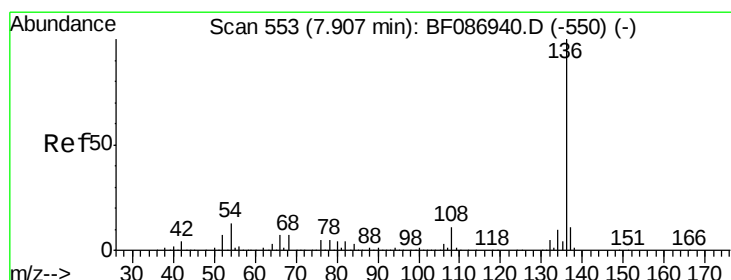
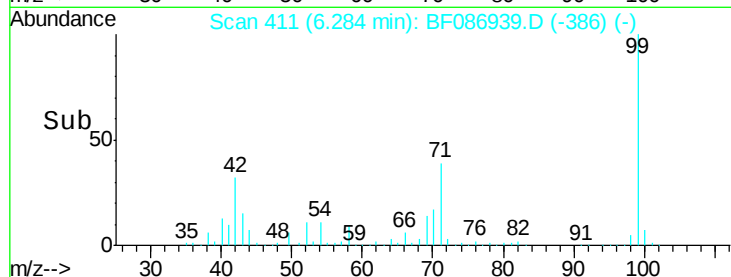
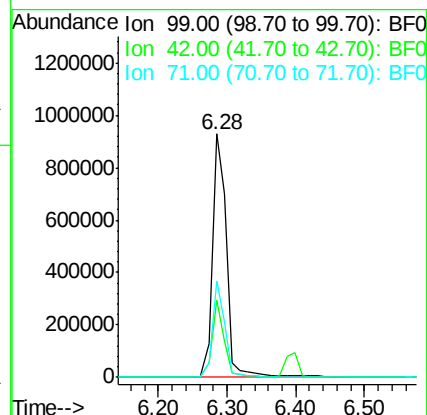
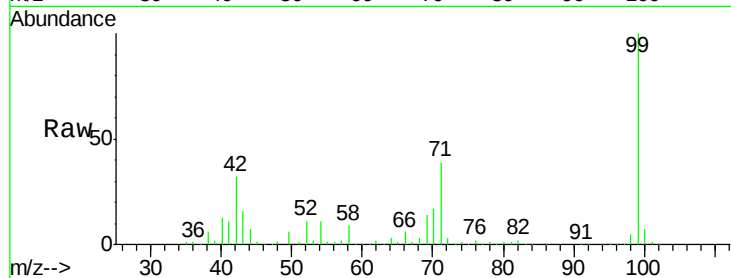
99 100

42 31.6 13.6 20.4#

71 39.5 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Tgt Ion: 136 Resp: 581934

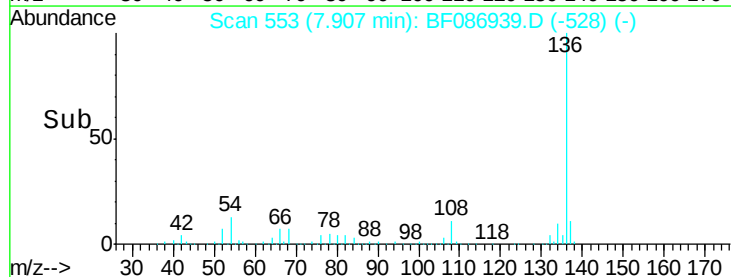
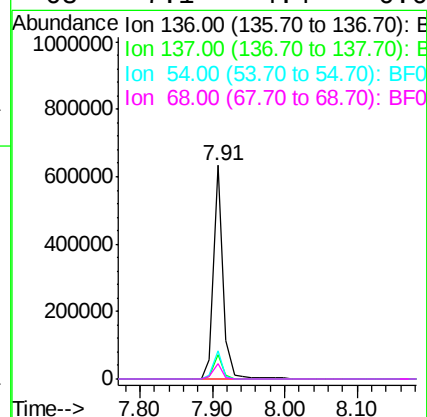
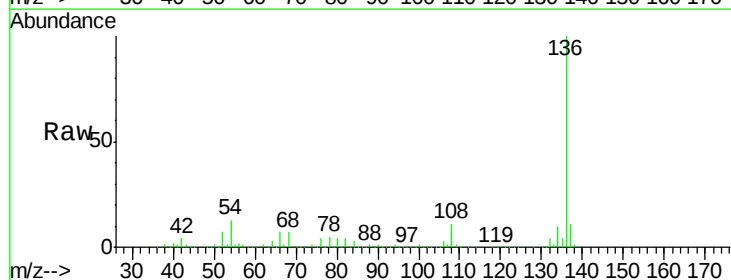
Ion Ratio Lower Upper

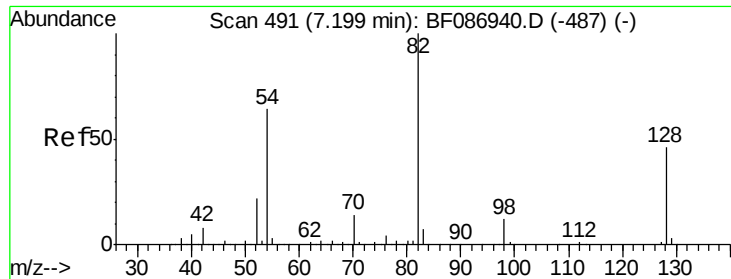
136 100

137 11.2 8.8 13.2

54 13.0 5.0 7.4#

68 7.1 4.4 6.6#





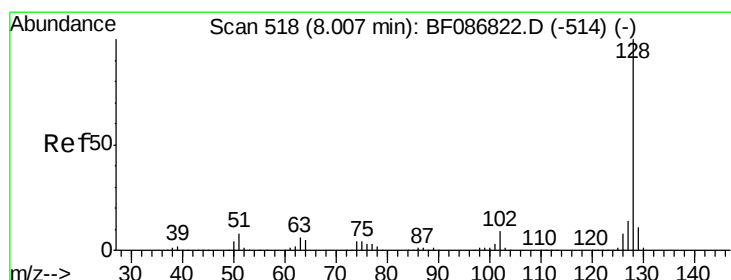
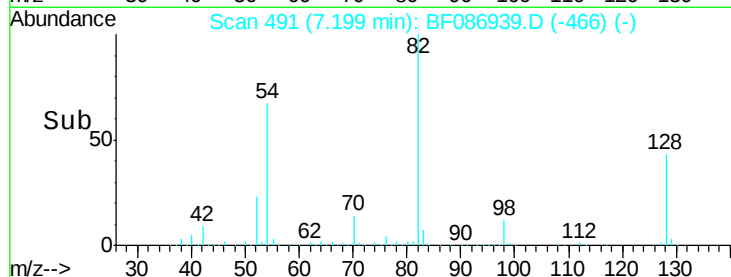
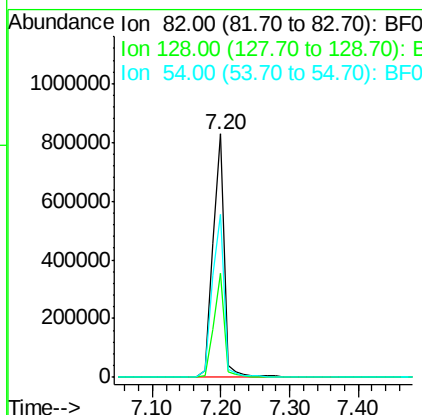
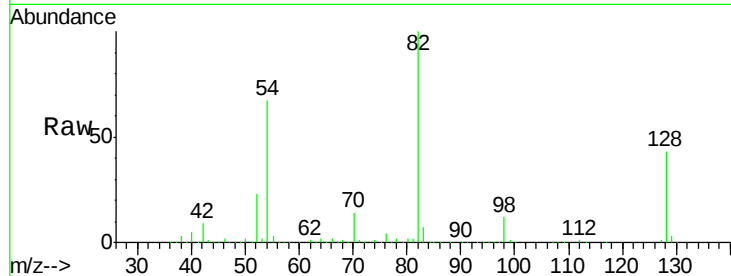
#23
 Nitrobenzene-d5
 Concen: 84.07 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: BF086939.D
 Acq: 12 May 2016 19:23

Instrument :
 BNA_F
 ClientSampleId :
 TP30-6-7FT

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.8	40.6	61.0
54	67.0	38.1	57.1#

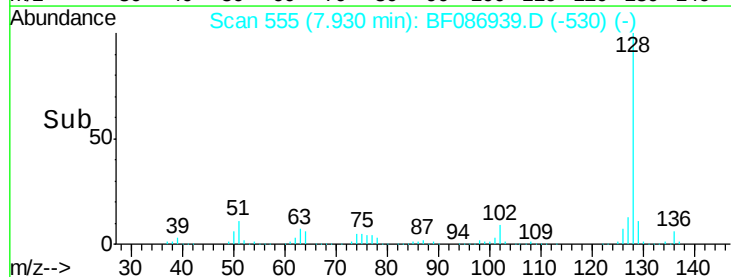
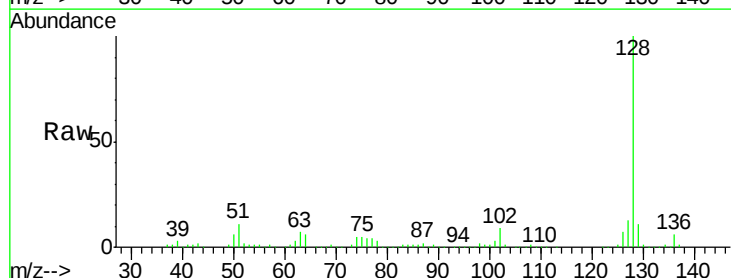
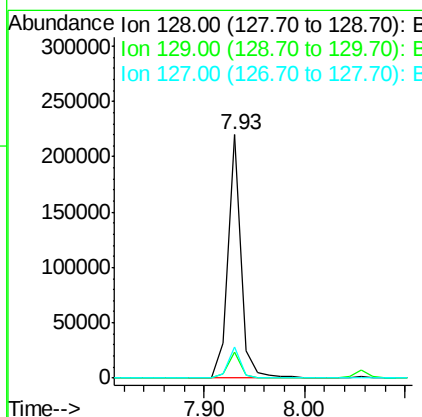
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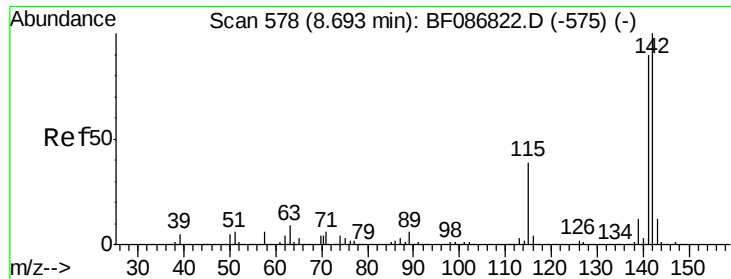
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#31
 Naphthalene
 Concen: 6.82 ng
 RT: 7.93 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: BF086939.D
 Acq: 12 May 2016 19:23

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.0	10.8	16.2





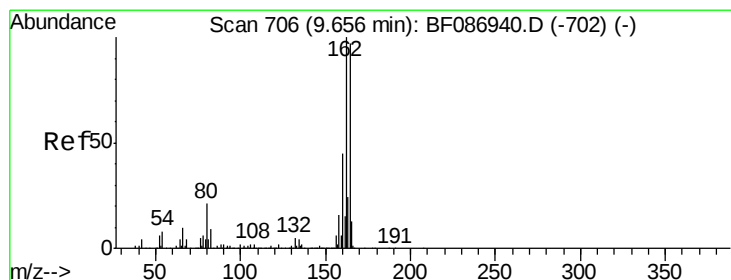
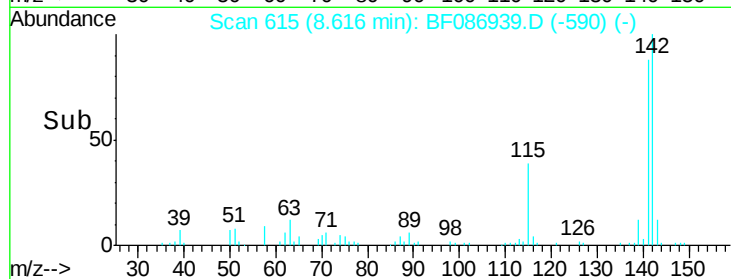
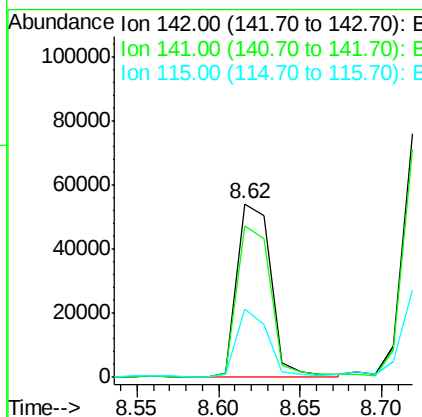
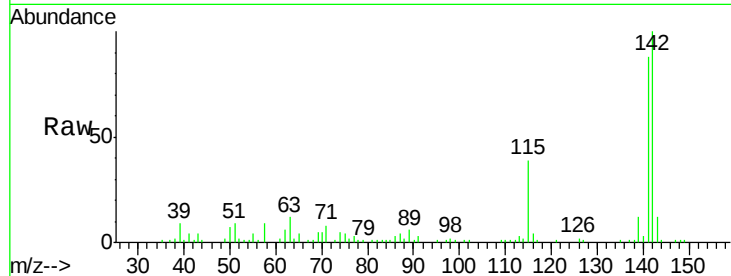
#37
 2-Methylnaphthalene
 Concen: 4.58 ng
 RT: 8.62 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF086939.D
 Acq: 12 May 2016 19:23

Instrument :
 BNA_F
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Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.0	106.6
115	39.1	26.6	39.8

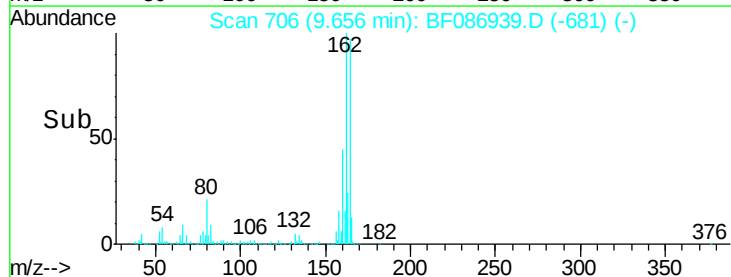
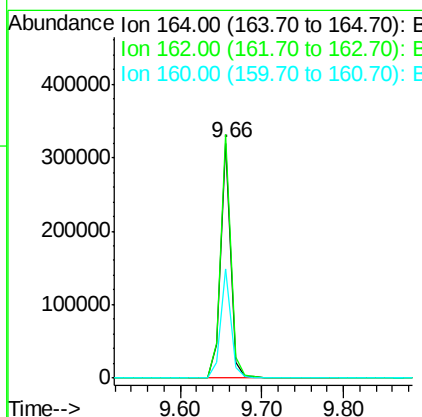
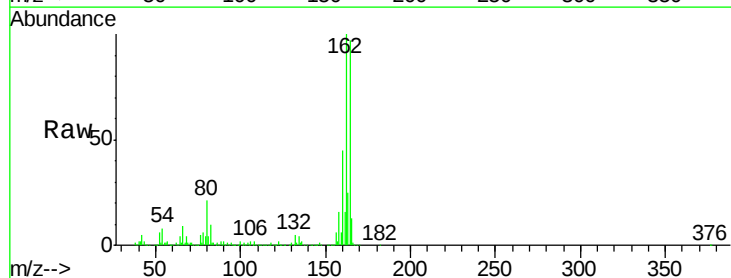
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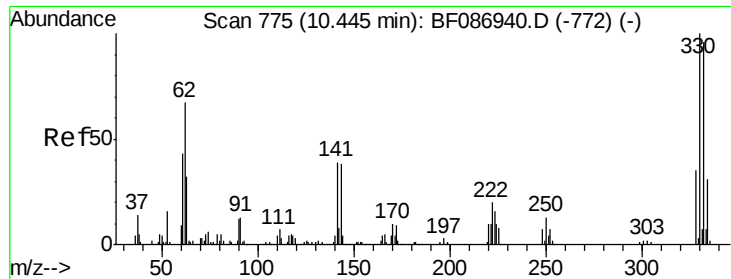
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF086939.D
 Acq: 12 May 2016 19:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.8	124.2
160	46.5	36.9	55.3





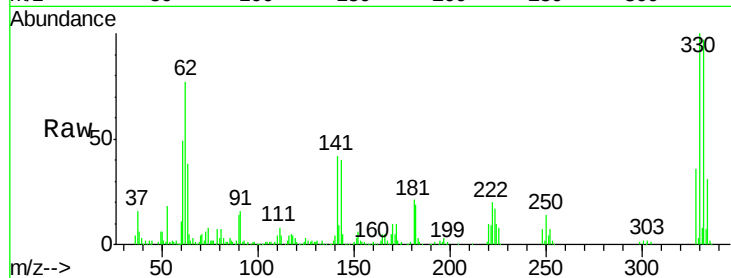
#41
 2,4,6-Tribromophenol
 Concen: 91.63 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF086939.D
 Acq: 12 May 2016 19:23

Instrument :
 BNA_F
 ClientSampleId :
 TP30-6-7FT

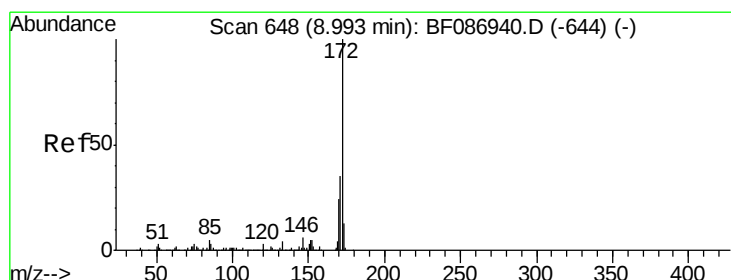
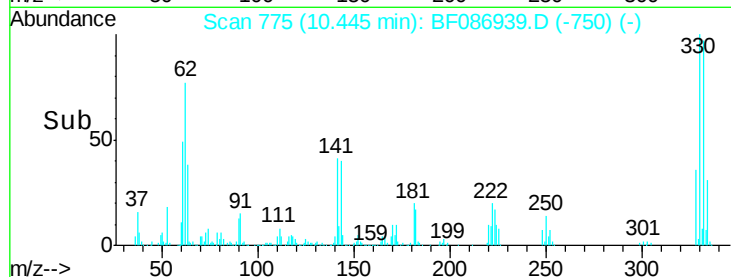
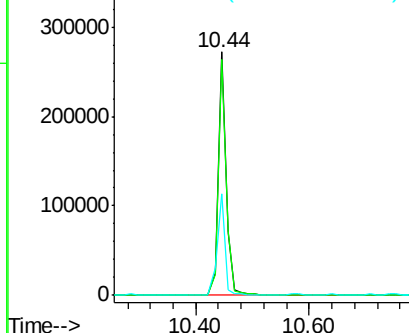
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	265198		
332	97.3	79.0	118.4	
141	40.2	31.2	46.8	

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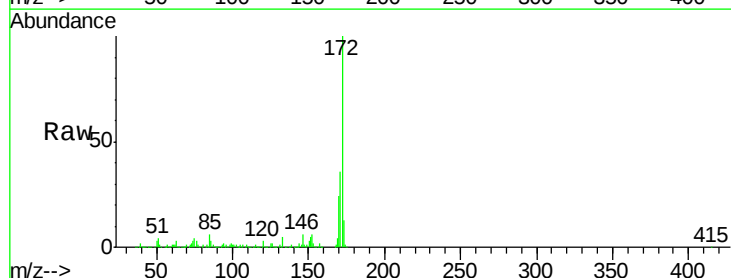


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

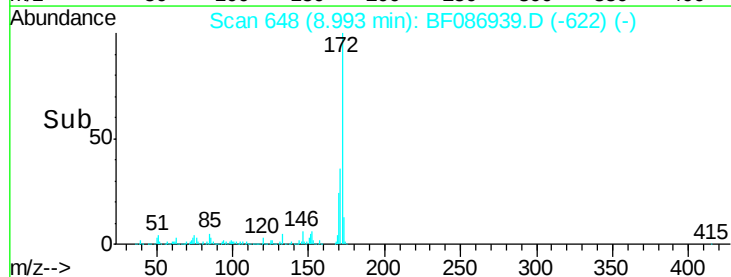
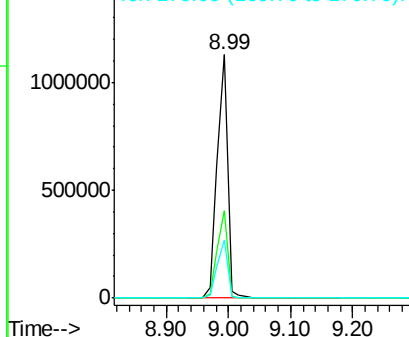


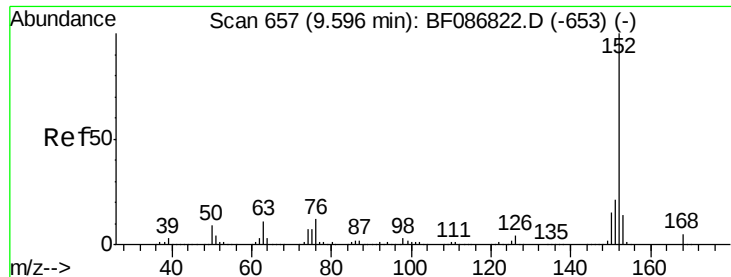
#44
 2-Fluorobiphenyl
 Concen: 78.73 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF086939.D
 Acq: 12 May 2016 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1280758		
171	35.9	29.0	43.6	
170	23.8	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: 3.83 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF086939.D

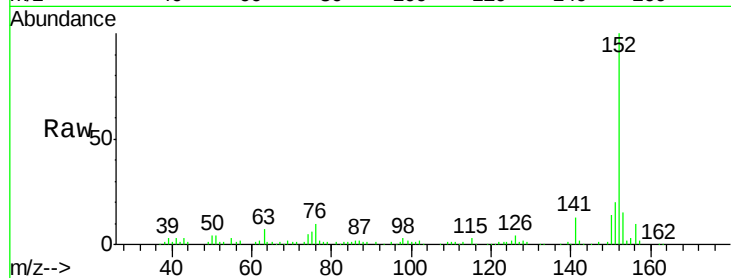
Acq: 12 May 2016 19:23

Instrument :

BNA_F

ClientSampleId :

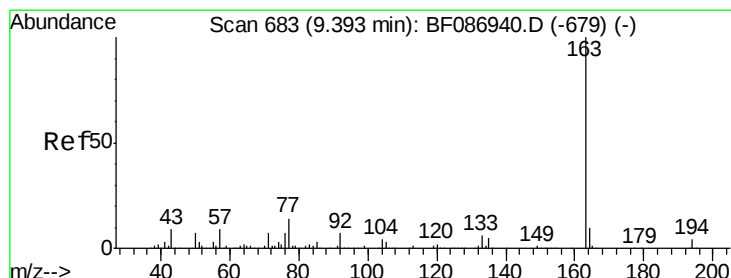
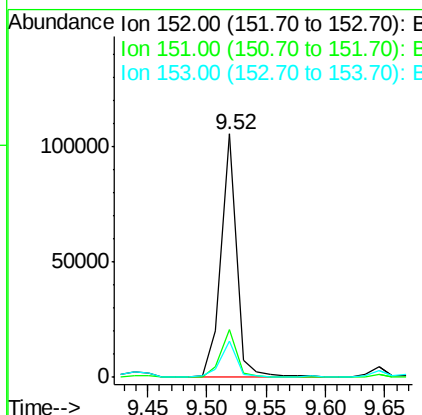
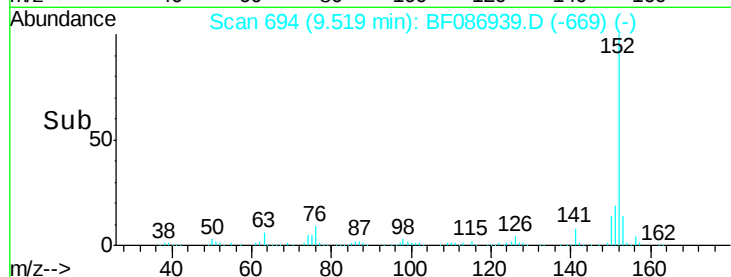
TP30-6-7FT



Tgt Ion:	152	Resp:	96101
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.8	25.2
153	14.8	10.9	16.3

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#49

Dimethylphthalate

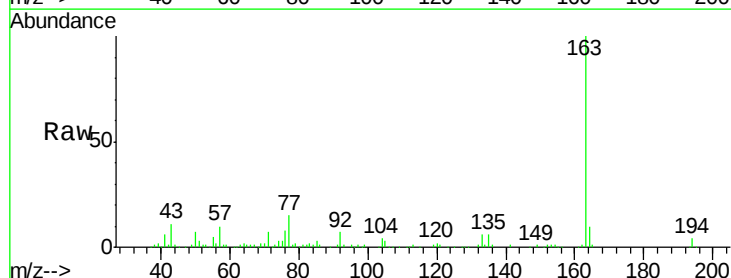
Concen: 8.14 ng

RT: 9.39 min Scan# 683

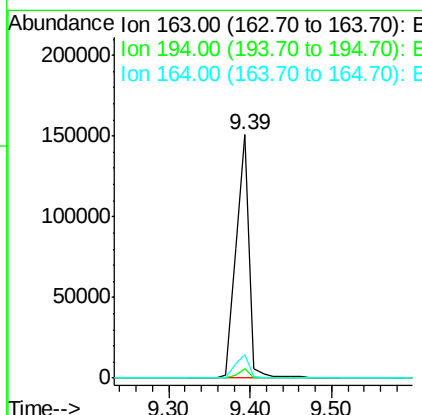
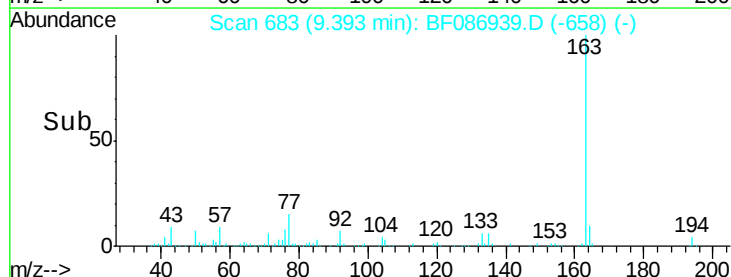
Delta R.T. -0.01 min

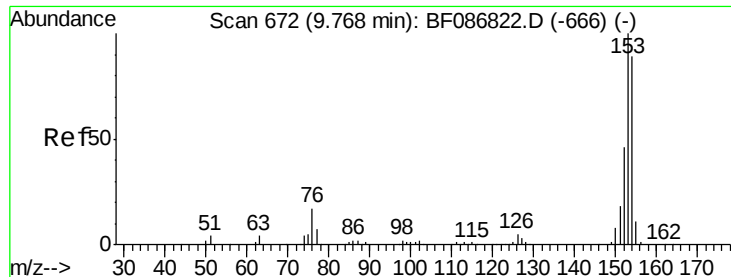
Lab File: BF086939.D

Acq: 12 May 2016 19:23



Tgt Ion:	163	Resp:	169731
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.6	4.0
164	9.6	8.2	12.4





#51

Acenaphthene

Concen: 5.60 ng

RT: 9.69 min Scan# 709

Delta R.T. -0.01 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Instrument :

BNA_F

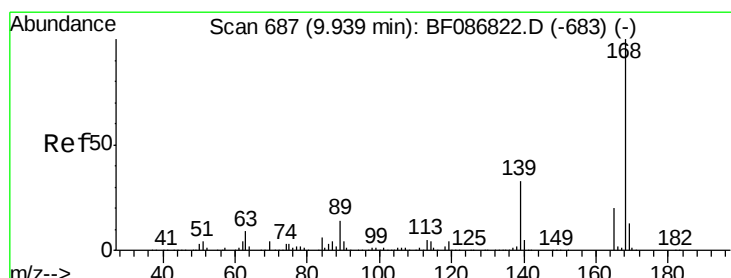
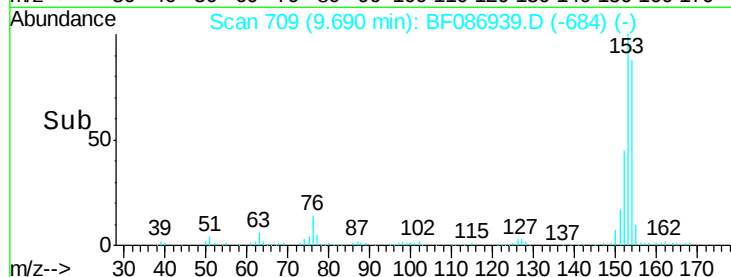
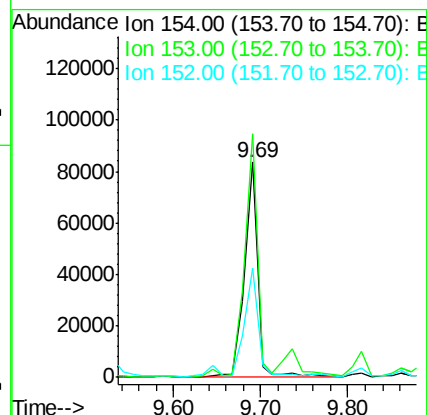
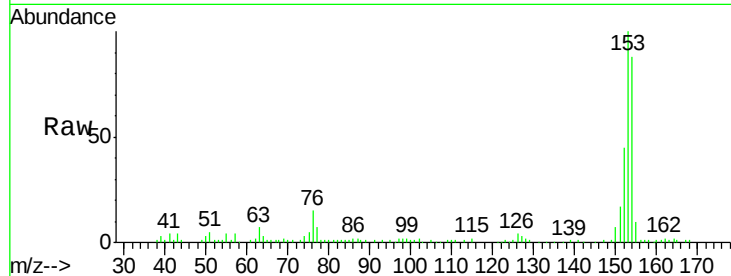
ClientSampleId :

TP30-6-7FT

Tgt Ion:	154	Resp:	87289
Ion Ratio	Lower	Upper	
154	100		
153	113.3	89.8	134.6
152	50.6	43.4	65.0

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#54

Dibenzofuran

Concen: 8.03 ng

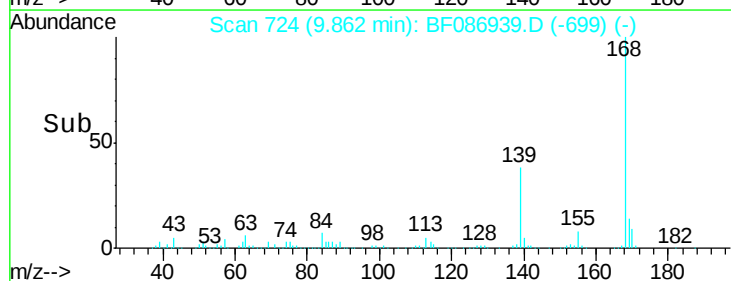
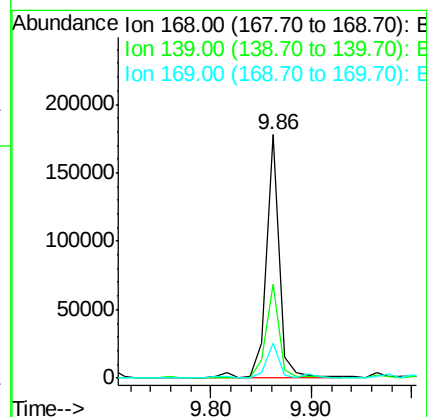
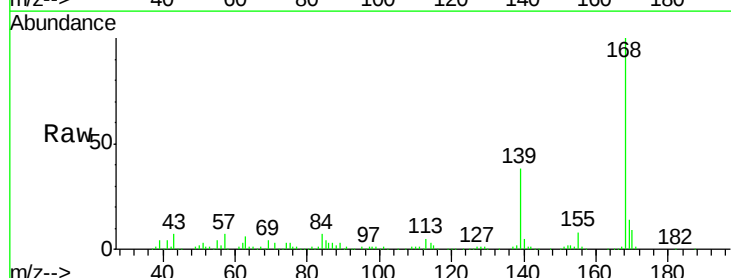
RT: 9.86 min Scan# 724

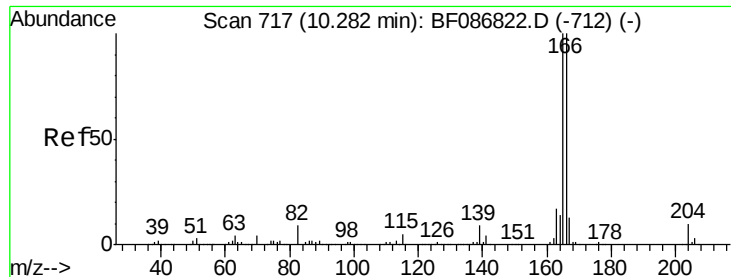
Delta R.T. -0.01 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Tgt Ion:	168	Resp:	160687
Ion Ratio	Lower	Upper	
168	100		
139	38.5	31.4	47.0
169	14.4	10.7	16.1





#57

Fluorene

Concen: 10.32 ng

RT: 10.20 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Instrument :

BNA_F

ClientSampleId :

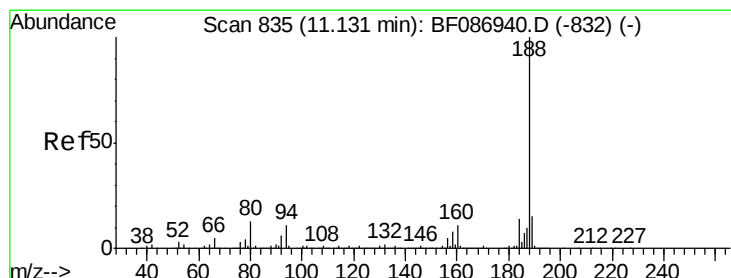
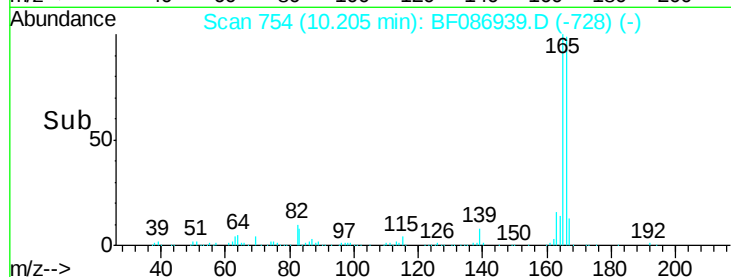
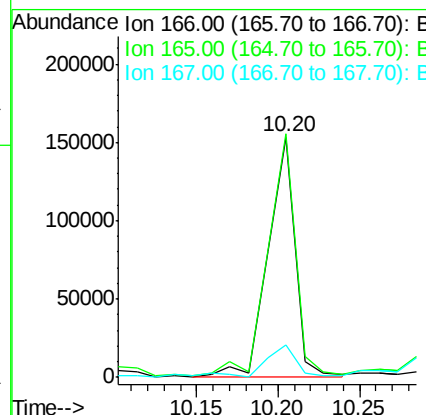
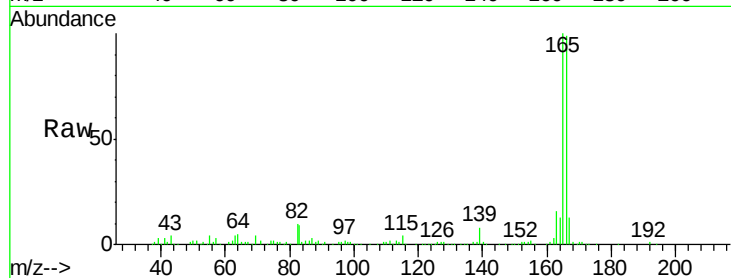
TP30-6-7FT

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Tgt Ion:	166	Resp:	176121
Ion Ratio	Lower	Upper	
166	100		
165	101.4	79.0	118.6
167	13.7	10.6	15.8



#63

Phenanthrene-d10

Concen: 20.00 ng

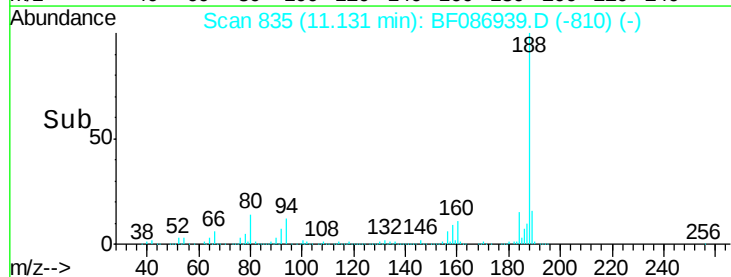
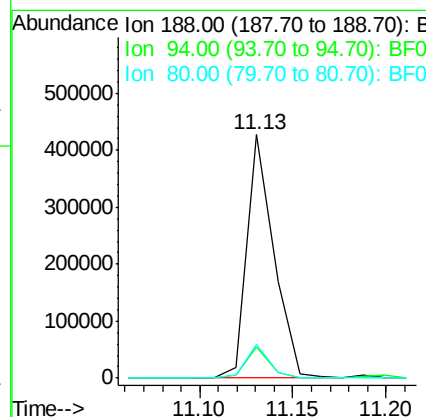
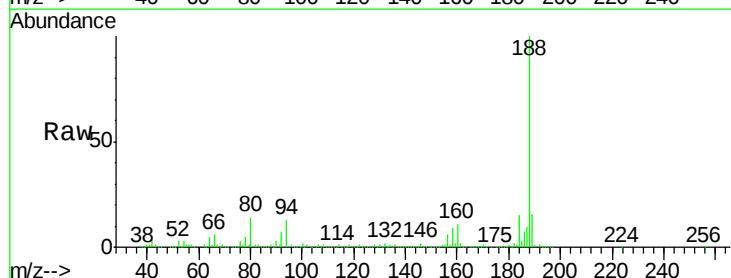
RT: 11.13 min Scan# 835

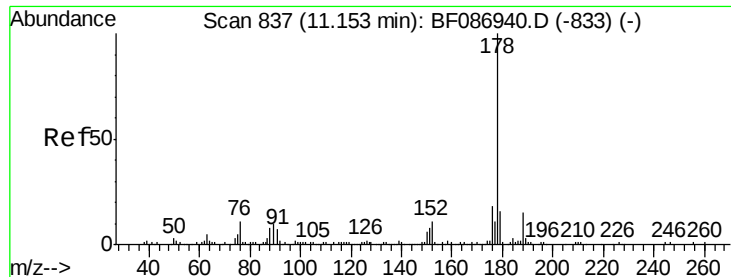
Delta R.T. -0.01 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Tgt Ion:	188	Resp:	430359
Ion Ratio	Lower	Upper	
188	100		
94	12.6	6.8	10.2#
80	13.8	7.1	10.7#





#70

Phenanthrene

Concen: 39.94 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Instrument :

BNA_F

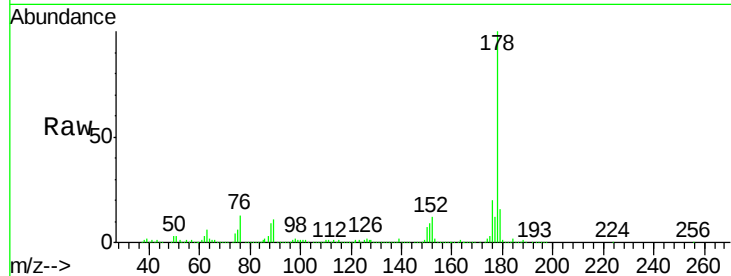
ClientSampleId :

TP30-6-7FT

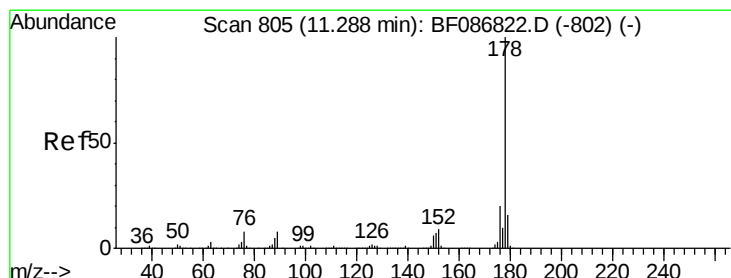
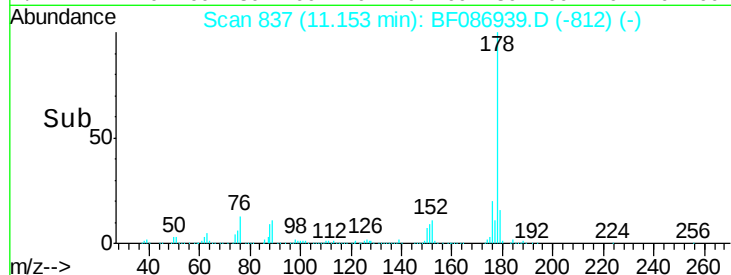
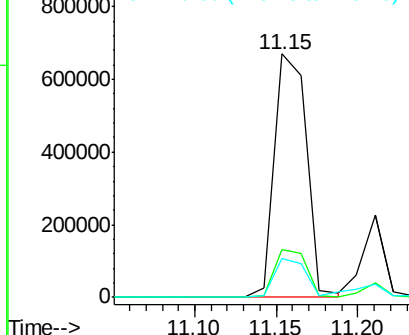
Tgt Ion:	178	Resp:	917376
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.0	24.0
179	16.0	12.6	18.8

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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



#71

Anthracene

Concen: 9.55 ng

RT: 11.21 min Scan# 842

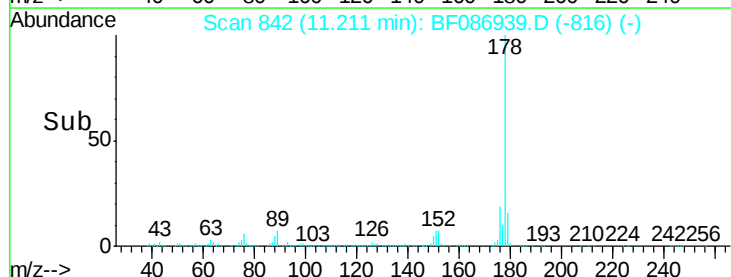
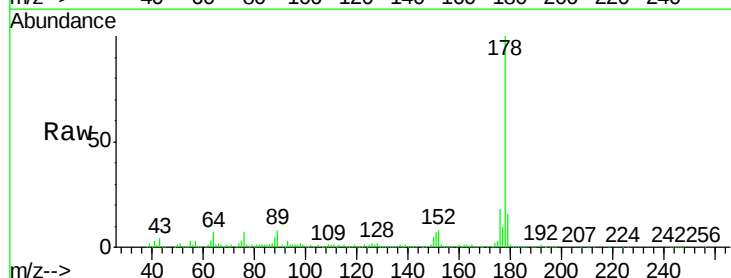
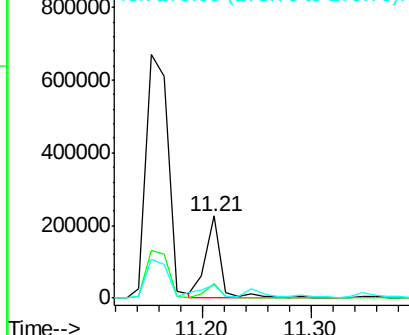
Delta R.T. 0.00 min

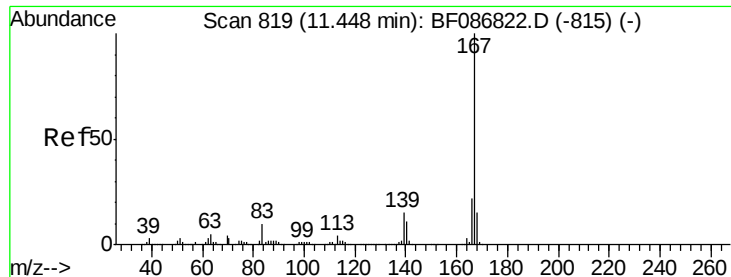
Lab File: BF086939.D

Acq: 12 May 2016 19:23

Tgt Ion:	178	Resp:	224310
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.6	23.4
179	15.8	12.7	19.1

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.91 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Instrument :

BNA_F

ClientSampleId :

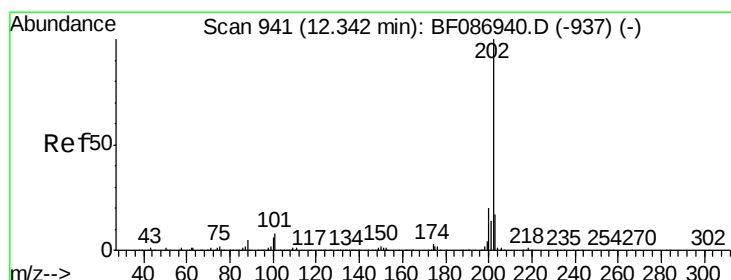
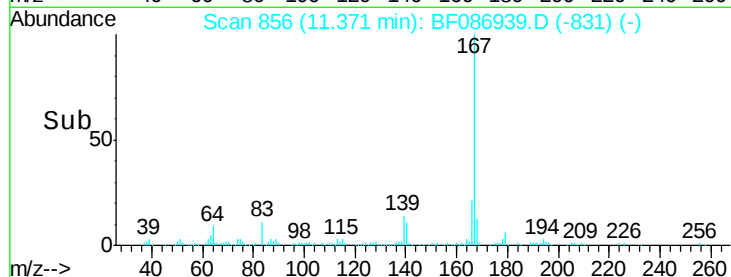
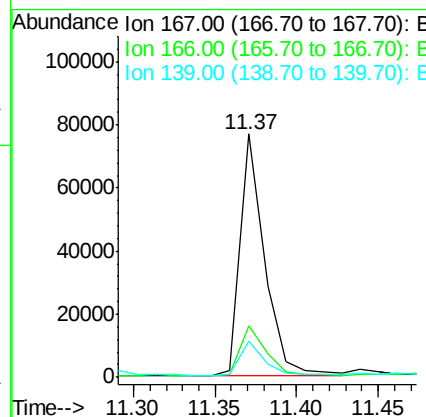
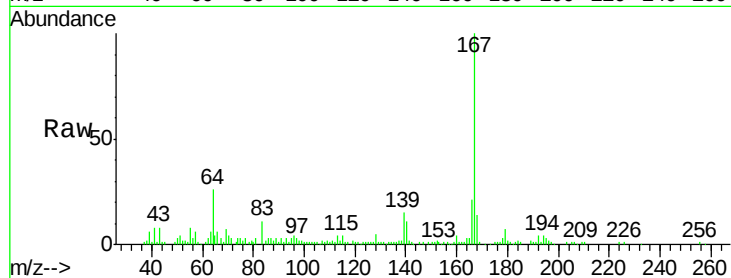
TP30-6-7FT

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Tgt Ion:	167	Resp:	78877
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.7	26.5
139	14.7	10.8	16.2



#74

Fluoranthene

Concen: 29.87 ng

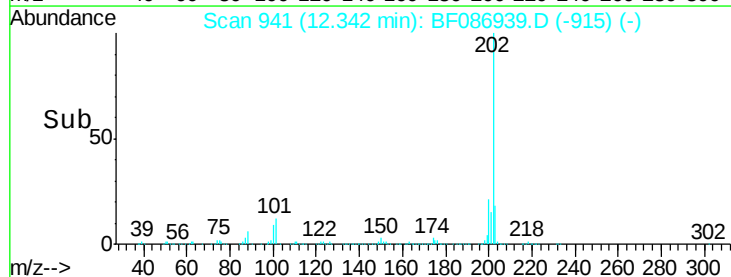
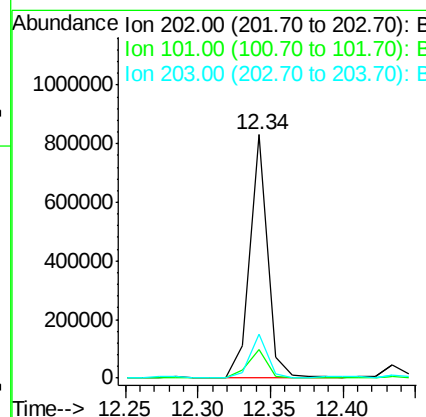
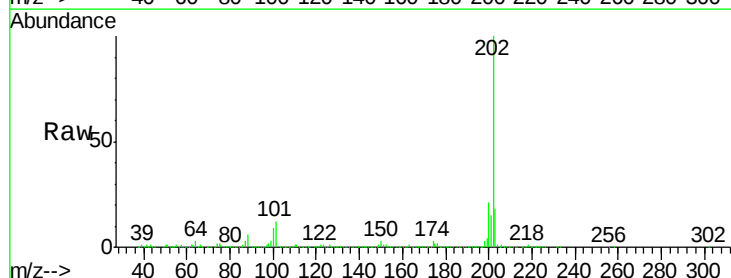
RT: 12.34 min Scan# 941

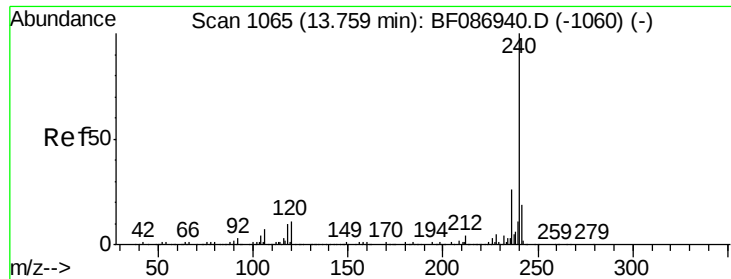
Delta R.T. 0.00 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Tgt Ion:	202	Resp:	705482
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	35.4
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Instrument :

BNA_F

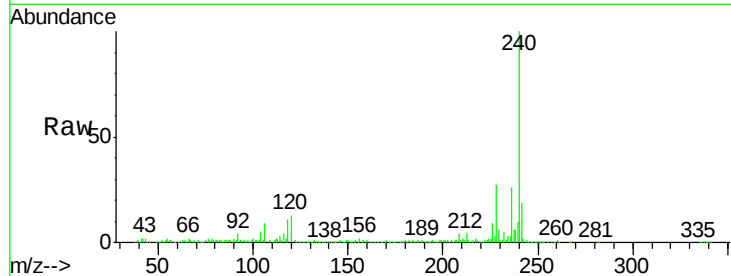
ClientSampleId :

TP30-6-7FT

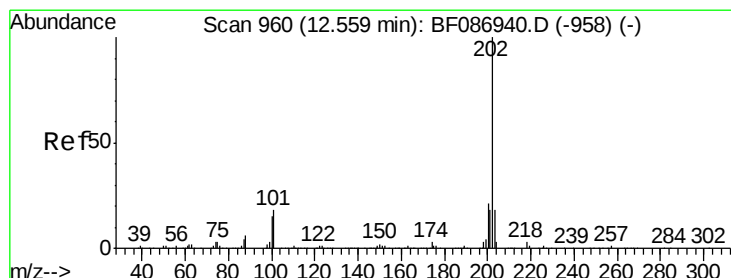
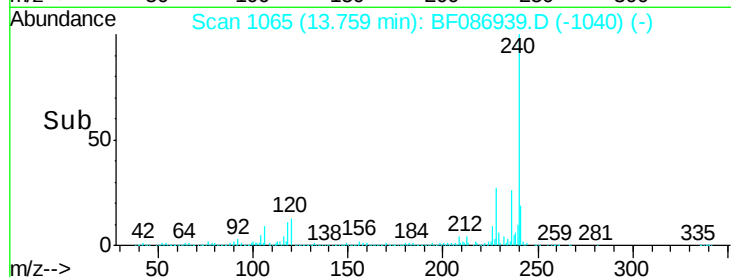
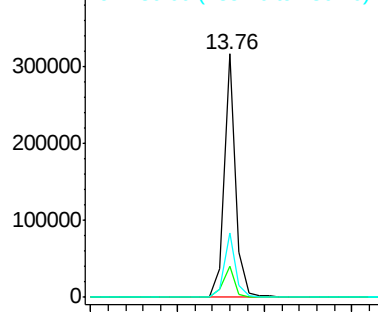
Tgt Ion:	240	Resp:	290466
Ion Ratio		Lower	Upper
240	100		
120	13.0	11.2	16.8
236	26.5	21.2	31.8

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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: 25.60 ng

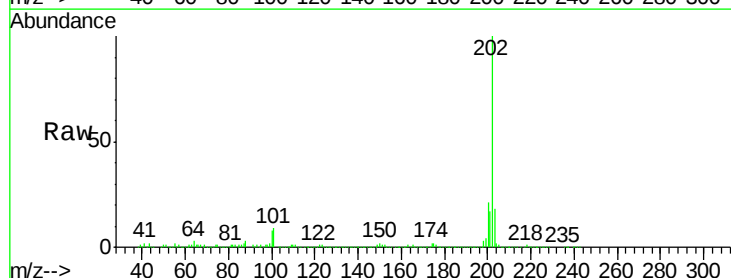
RT: 12.57 min Scan# 961

Delta R.T. 0.00 min

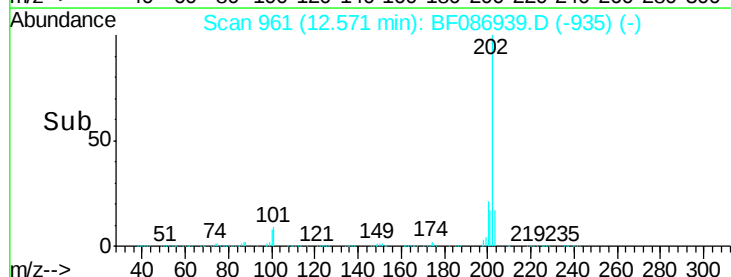
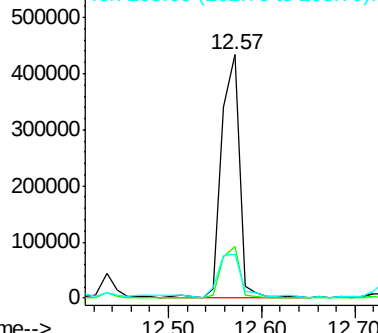
Lab File: BF086939.D

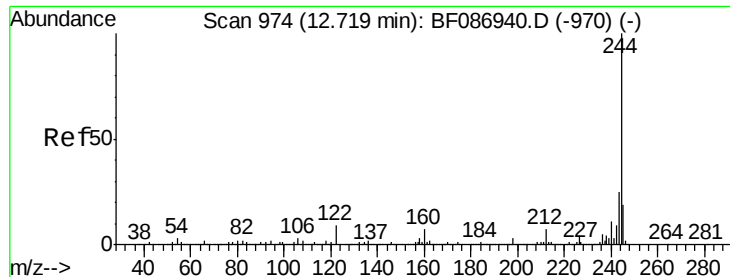
Acq: 12 May 2016 19:23

Tgt Ion:	202	Resp:	569278
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.7	26.5
203	17.8	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: 57.39 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Instrument :

BNA_F

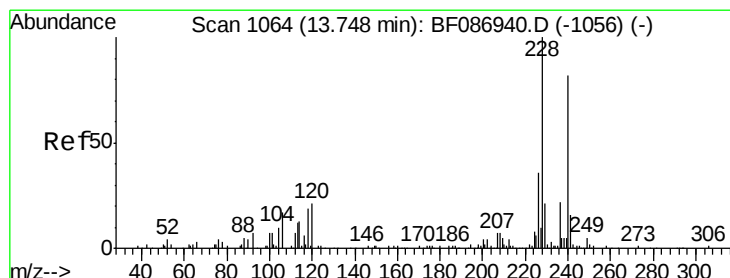
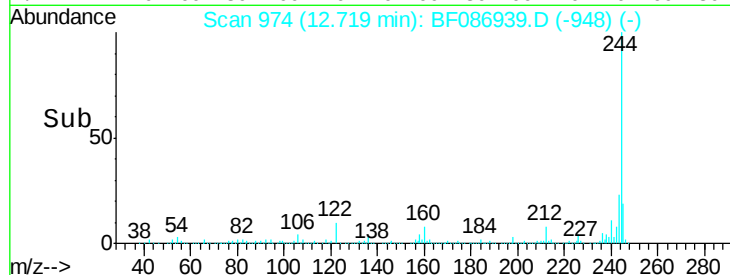
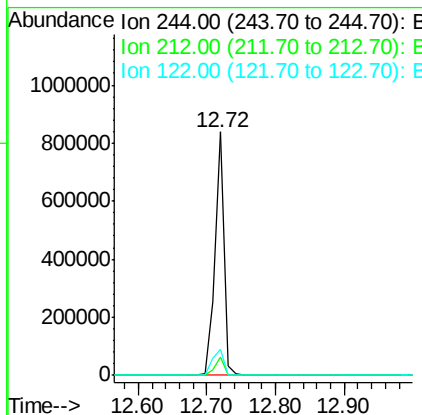
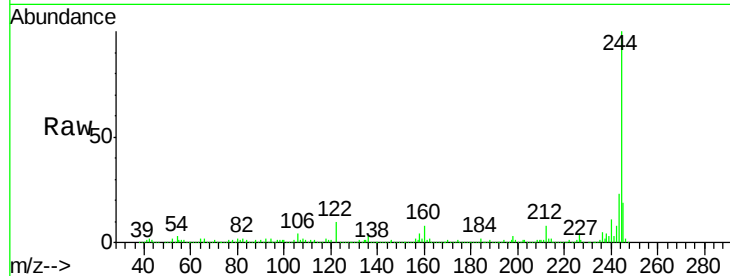
ClientSampled :

TP30-6-7FT

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	785737		
212	7.7	6.2	9.2	
122	10.5	12.0	18.0	

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#80

Benzo(a)anthracene

Concen: 17.33 ng

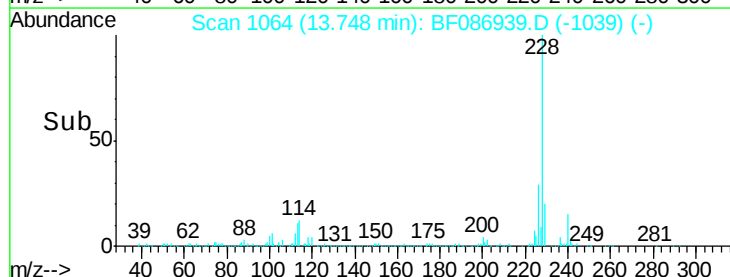
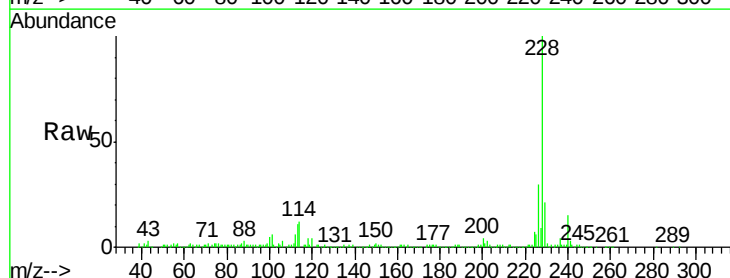
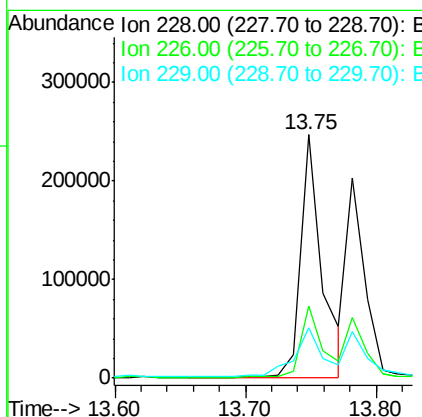
RT: 13.75 min Scan# 1064

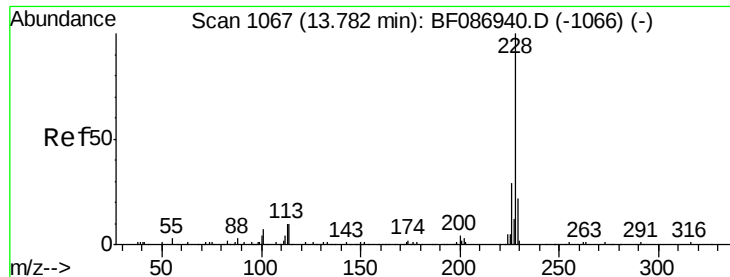
Delta R.T. -0.01 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	282604		
226	29.6	22.5	33.7	
229	20.8	16.6	25.0	





#82

Chrysene

Concen: 12.10 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Instrument :

BNA_F

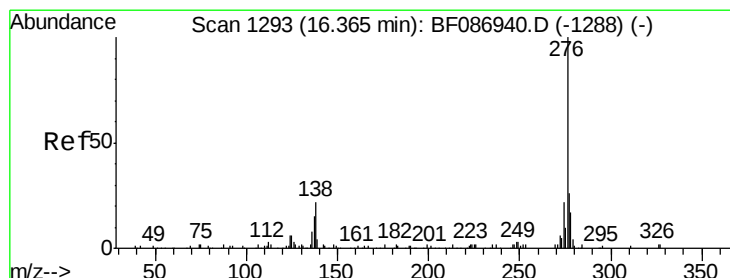
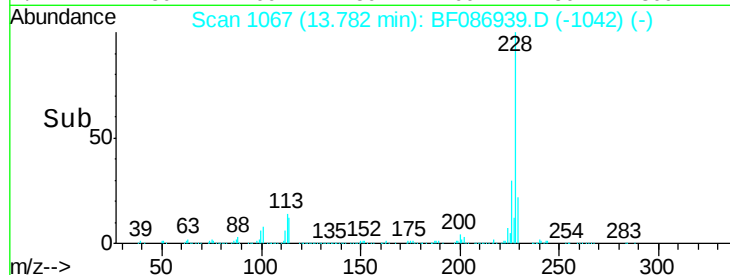
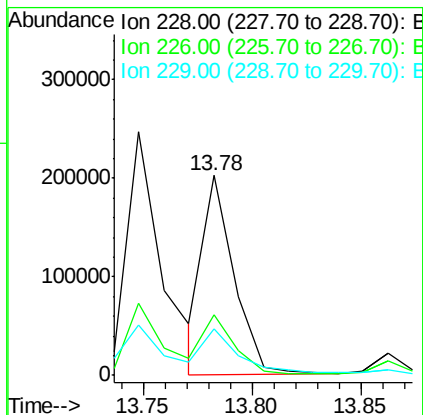
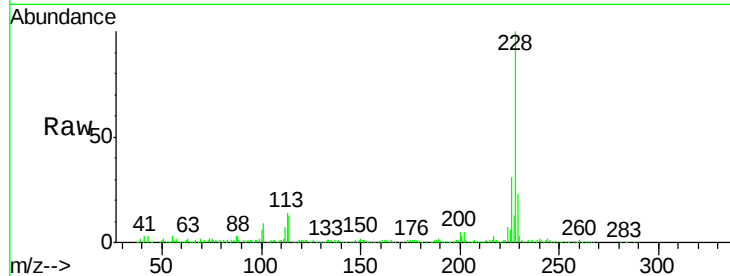
ClientSampleId :

TP30-6-7FT

Tgt Ion:	228	Resp:	200749
Ion Ratio		Lower	Upper
228	100		
226	30.6	24.4	36.6
229	23.1	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.13 ng

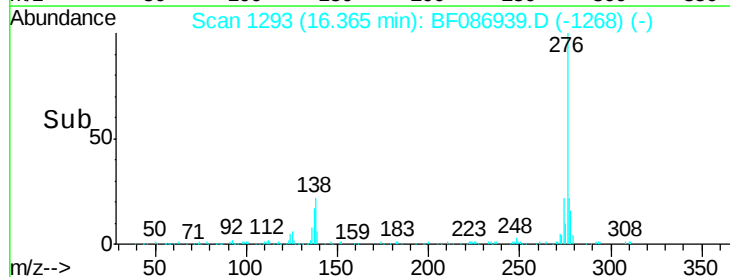
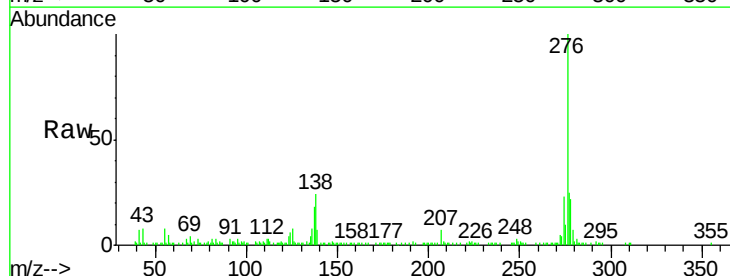
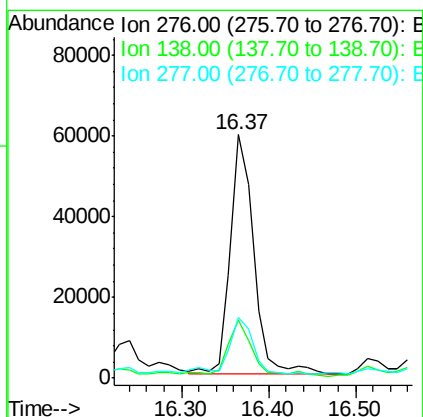
RT: 16.37 min Scan# 1293

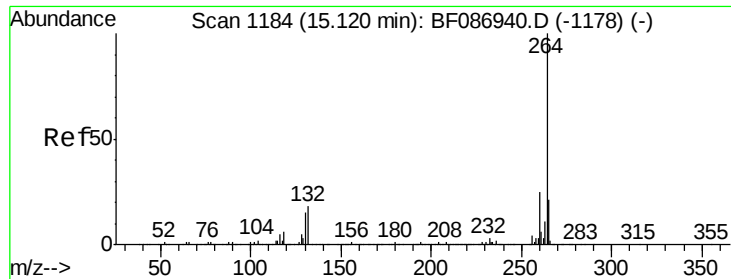
Delta R.T. -0.01 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Tgt Ion:	276	Resp:	112248
Ion Ratio		Lower	Upper
276	100		
138	22.0	25.6	38.4#
277	25.9	20.5	30.7





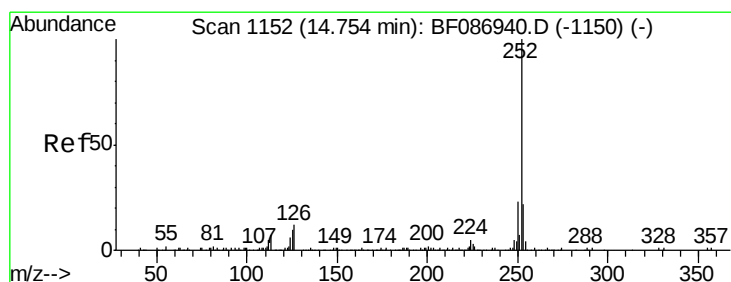
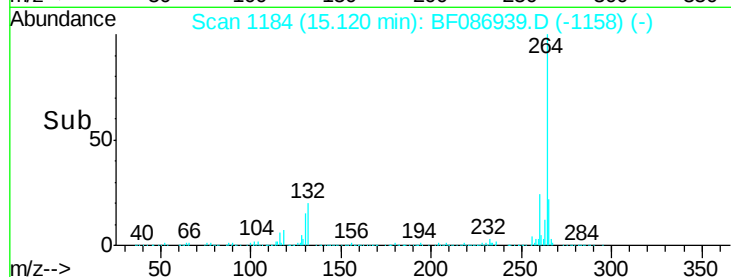
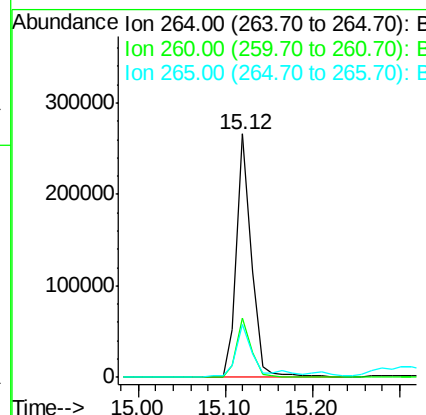
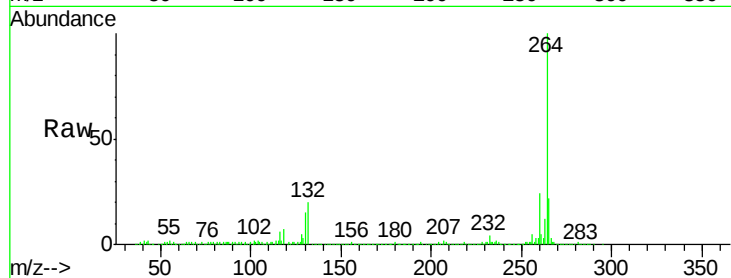
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF086939.D
Acq: 12 May 2016 19:23

Instrument :
BNA_F
ClientSampleId :
TP30-6-7FT

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	316011		
260	24.3	19.5	29.3	
265	21.9	17.3	25.9	

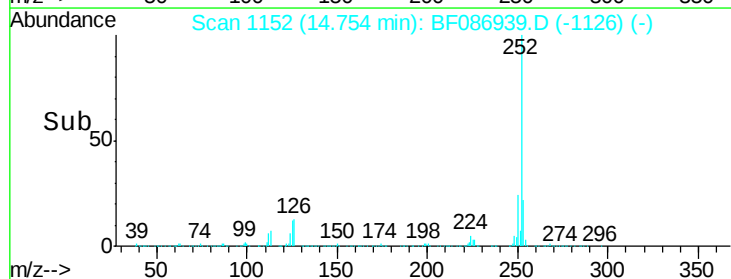
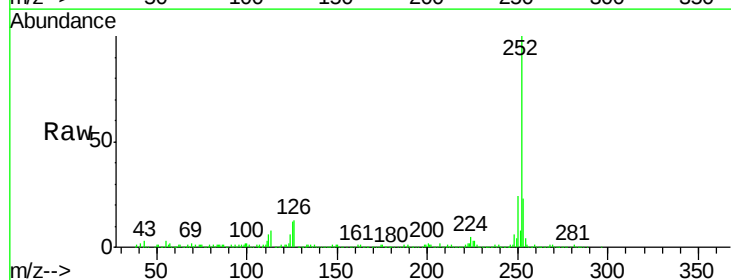
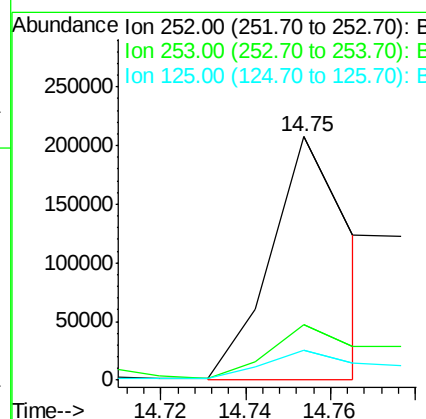
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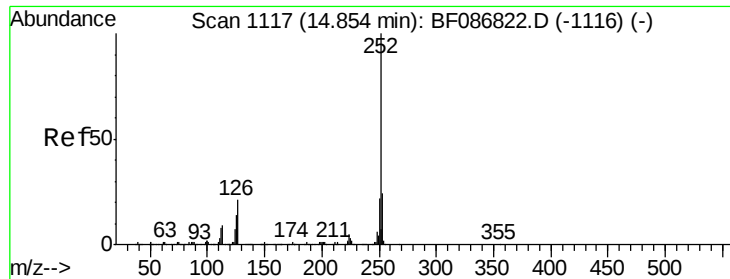
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#87
Benzo(b)fluoranthene
Concen: 13.06 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF086939.D
Acq: 12 May 2016 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	268129		
253	22.8	17.8	26.6	
125	12.2	11.4	17.0	





#88

Benzo(k)fluoranthene

Concen: 6.24 ng m

RT: 14.77 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF086939.D

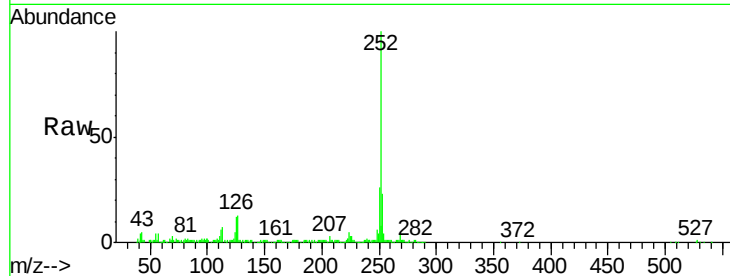
Acq: 12 May 2016 19:23

Instrument :

BNA_F

ClientSampleId :

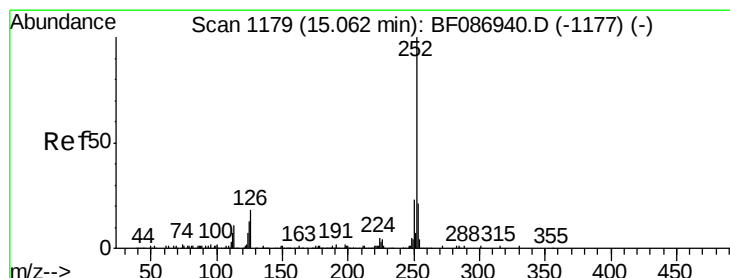
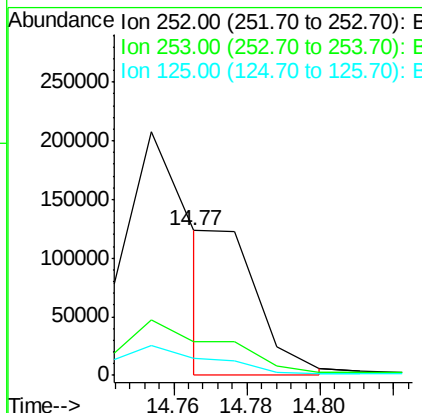
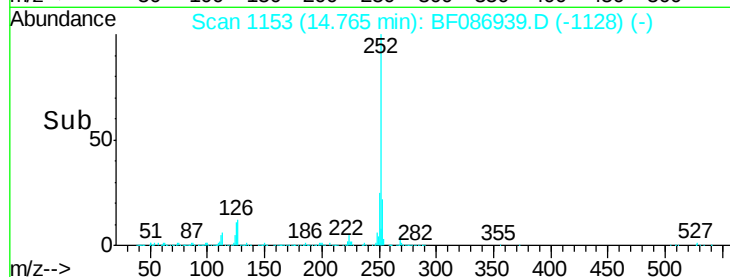
TP30-6-7FT



Tgt Ion:	252	Resp:	104950
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.6
125	11.8	9.1	13.7

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#89

Benzo(a)pyrene

Concen: 12.29 ng m

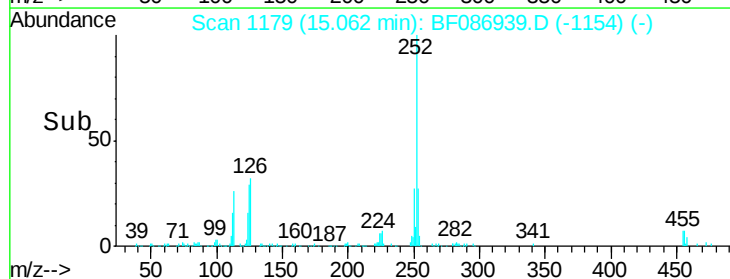
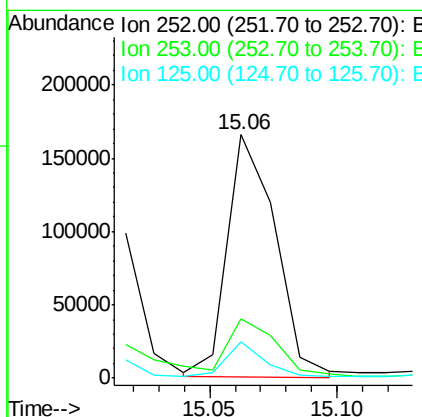
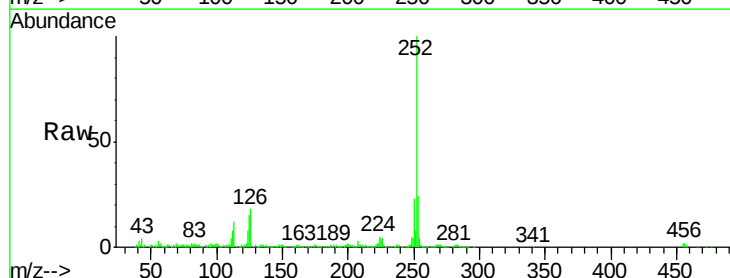
RT: 15.06 min Scan# 1179

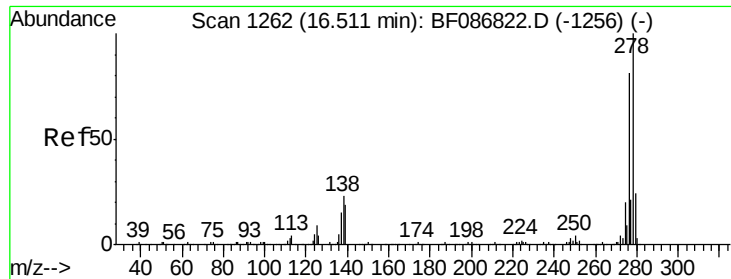
Delta R.T. -0.01 min

Lab File: BF086939.D

Acq: 12 May 2016 19:23

Tgt Ion:	252	Resp:	217702
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.2	25.8
125	14.8	9.0	13.6#





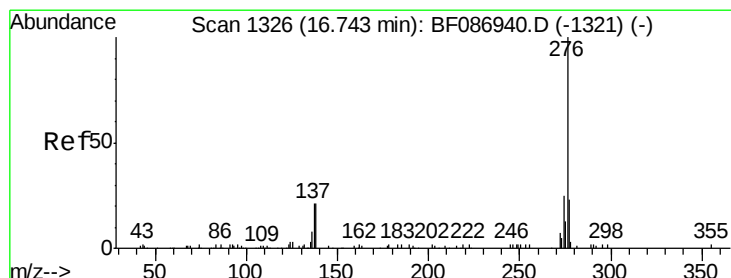
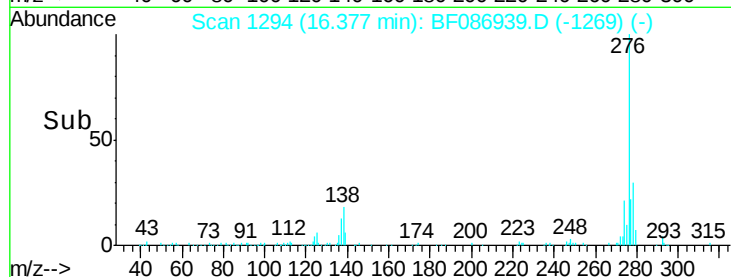
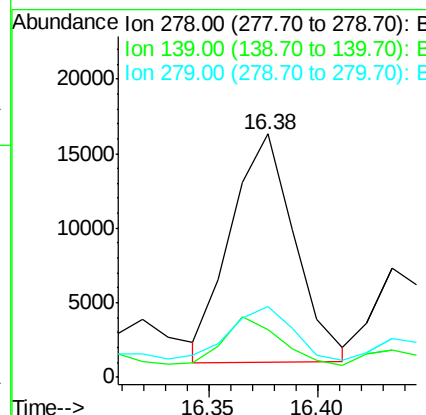
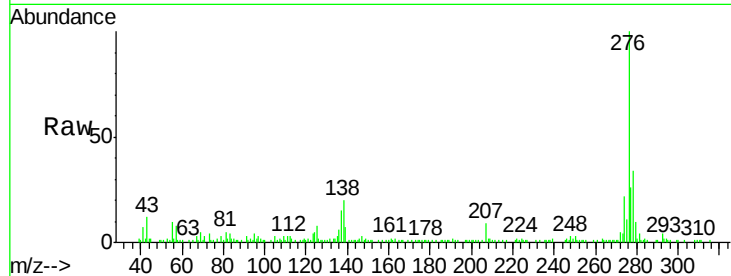
#90
Dibenzo(a,h)anthracene
Concen: 2.09 ng
RT: 16.38 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF086939.D
Acq: 12 May 2016 19:23

Instrument :
BNA_F
ClientSampleId :
TP30-6-7FT

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.8	16.6	24.8
279	29.0	19.6	29.4

Manual Integrations
APPROVED

sohil
5/13/2016 8:04:07 PM



#91
Benzo(g,h,i)perylene
Concen: 5.87 ng
RT: 16.74 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF086939.D
Acq: 12 May 2016 19:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	20.1	23.6	35.4#

