

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085383.D
 Acq On : 11 Mar 2016 20:29
 Operator : UM/SJ
 Sample : H1758-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-15-20160309

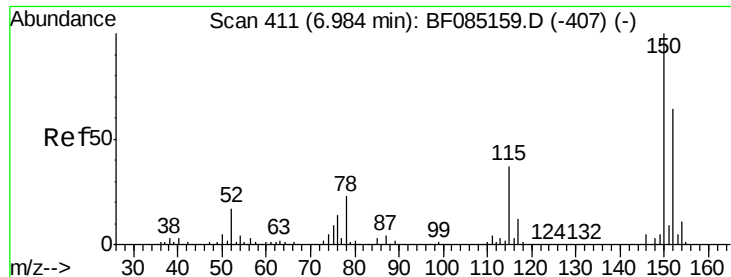
Manual Integrations
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Quant Time: Mar 14 05:08:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	153333	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	596018	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	263509	20.00	ng	-0.05
63) Phenanthrene-d10	11.47	188	415322	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	265664	20.00	ng	-0.05
86) Perylene-d12	15.58	264	291637	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1204216	131.74	ng	-0.05
7) Phenol-d6	6.56	99	1393071	116.32	ng	-0.05
23) Nitrobenzene-d5	7.50	82	902303	81.01	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	243324	107.92	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1446859	83.50	ng	-0.05
78) Terphenyl-d14	13.05	244	890809	77.84	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	8.24	128	78915	2.69	ng	97
48) Acenaphthylene	9.84	152	67006	2.51	ng	97
49) Dimethylphthalate	9.69	163	185602	9.18	ng	99
51) Acenaphthene	10.01	154	43371	2.67	ng	98
54) Dibenzofuran	10.18	168	49588	2.33	ng	94
57) Fluorene	10.53	166	61110	3.66	ng	99
70) Phenanthrene	11.49	178	725473	33.33	ng	98
71) Anthracene	11.53	178	185401	8.02	ng	98
72) Carbazole	11.69	167	67116	3.31	ng	98
74) Fluoranthene	12.68	202	841696	38.53	ng	96
77) Pyrene	12.91	202	781272	39.07	ng	98
80) Benzo(a)anthracene	14.09	228	435097	27.36	ng	97
82) Chrysene	14.13	228	306688	20.87	ng	97
83) Bis(2-ethylhexyl)phthalate	14.08	149	82461	6.91	ng	98
85) Indeno(1,2,3-cd)pyrene	17.03	276	196750	17.16	ng	92
87) Benzo(b)fluoranthene	15.15	252	534079m	27.48	ng	
88) Benzo(k)fluoranthene	15.17	252	84107m	5.36	ng	
89) Benzo(a)pyrene	15.51	252	343893	21.35	ng	# 94
90) Dibenzo(a,h)anthracene	17.04	278	51264m	3.73	ng	
91) Benzo(g,h,i)perylene	17.48	276	177753	12.86	ng	98

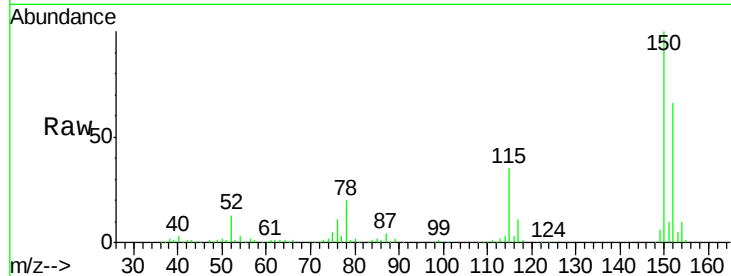
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

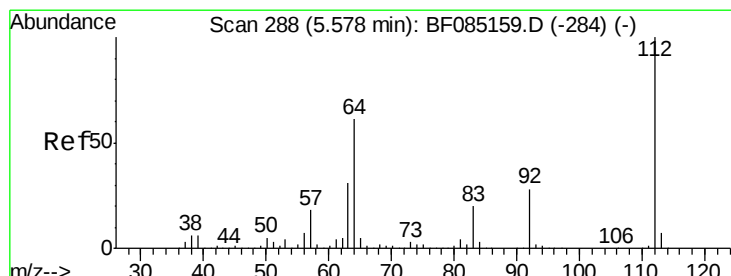
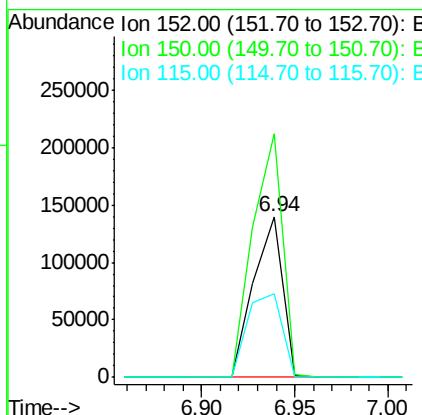
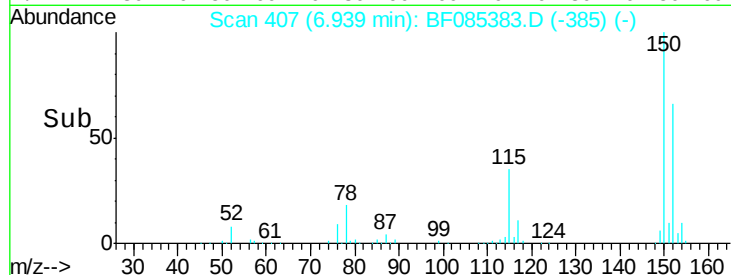
Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.7	124.6	186.8
115	52.4	46.6	70.0

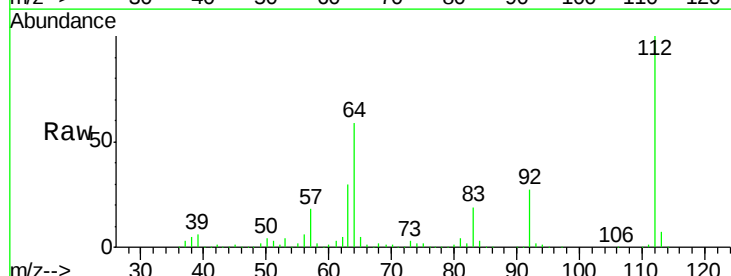
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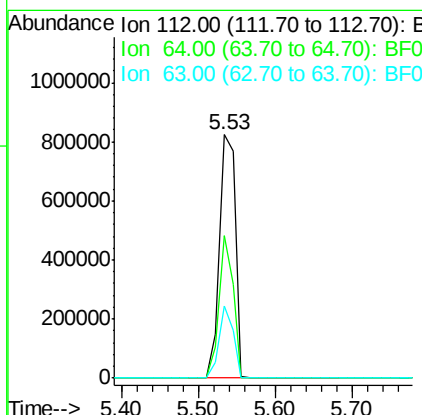
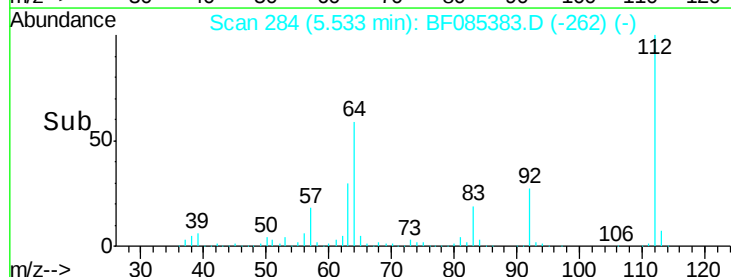


#5

2-Fluorophenol
Concen: 131.74 ng
RT: 5.53 min Scan# 284
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29



Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	49.0	73.4
63	29.7	24.8	37.2





#7

Phenol-d6

Concen: 116.32 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085383.D

Acq: 11 Mar 2016 20:29

Instrument :

BNA_F

ClientSampleId :

POST-EX-15-20160309

Tgt Ion: 99 Resp: 1393071

Ion Ratio Lower Upper

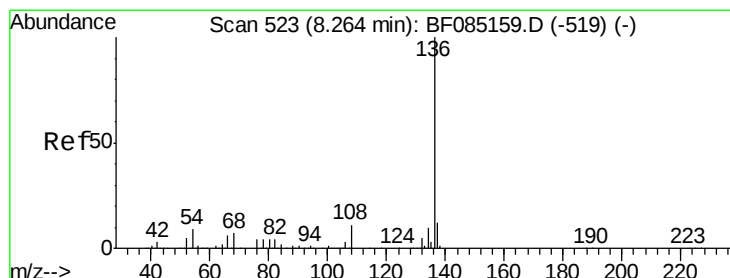
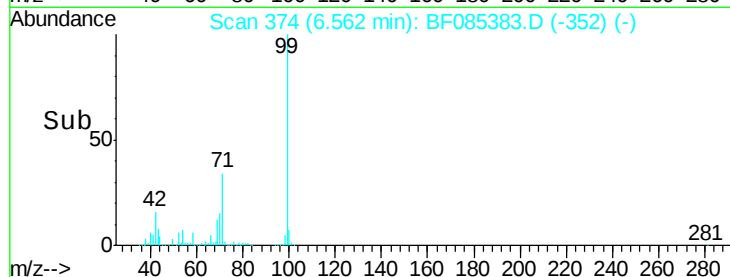
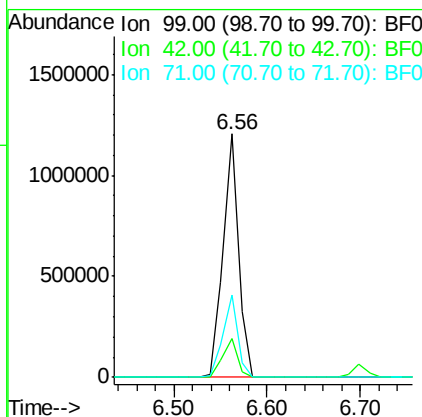
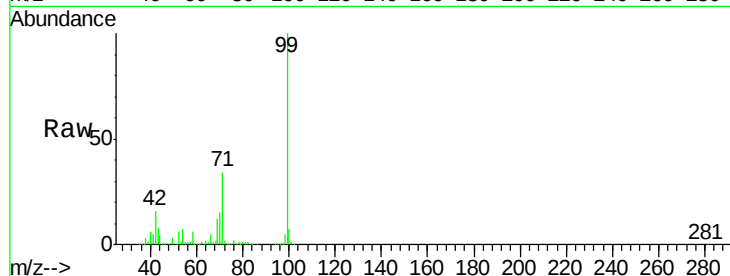
99 100

42 16.2 13.6 20.4

71 33.6 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF085383.D

Acq: 11 Mar 2016 20:29

Tgt Ion: 136 Resp: 596018

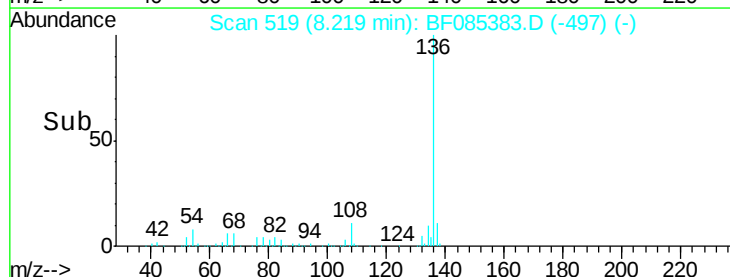
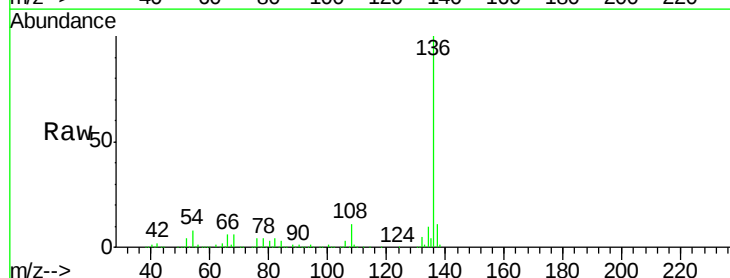
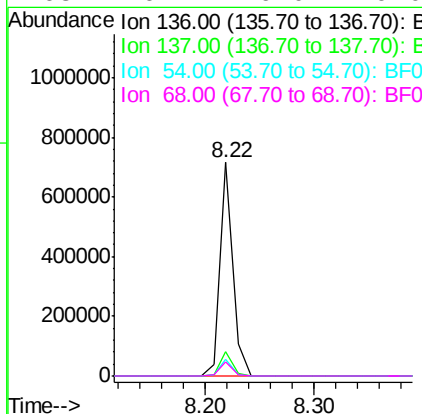
Ion Ratio Lower Upper

136 100

137 11.4 9.3 13.9

54 7.8 7.4 11.2

68 6.4 6.0 9.0





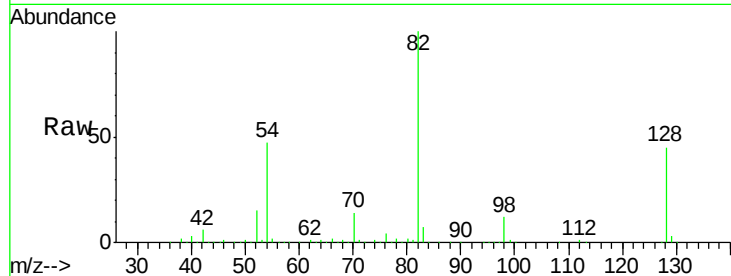
#23
Nitrobenzene-d5
Concen: 81.01 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Instrument :
BNA_F
ClientSampleId :
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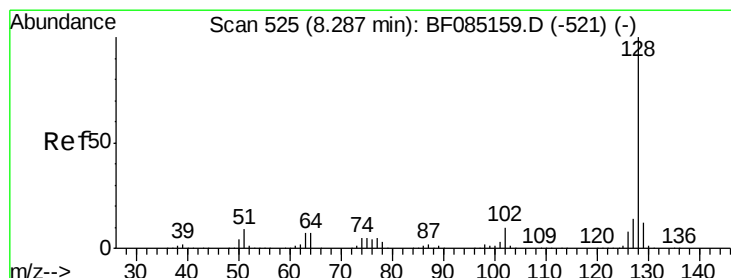
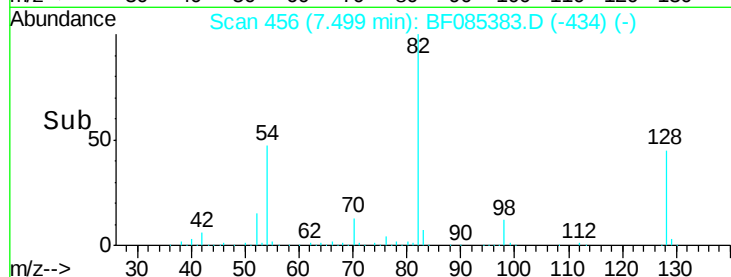
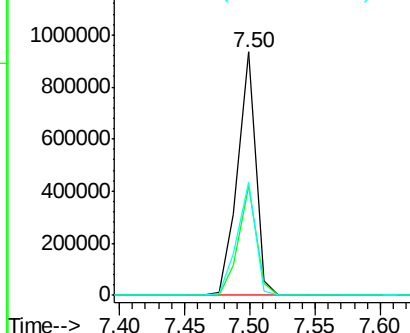
Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	44.7	34.5	51.7
54	46.7	39.3	58.9

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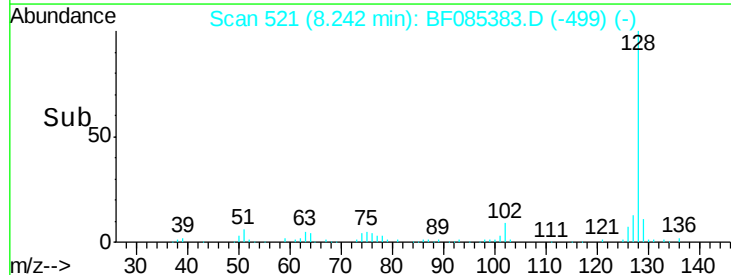
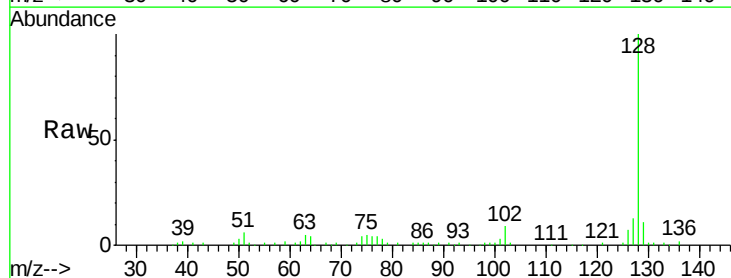
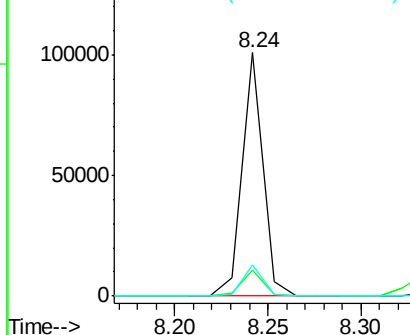
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Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

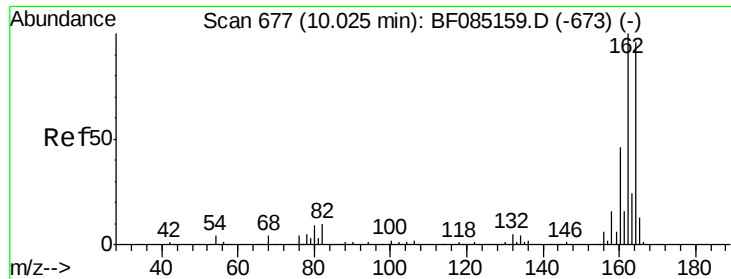


#31
Naphthalene
Concen: 2.69 ng
RT: 8.24 min Scan# 521
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.7	9.7	14.5
127	12.8	11.2	16.8

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





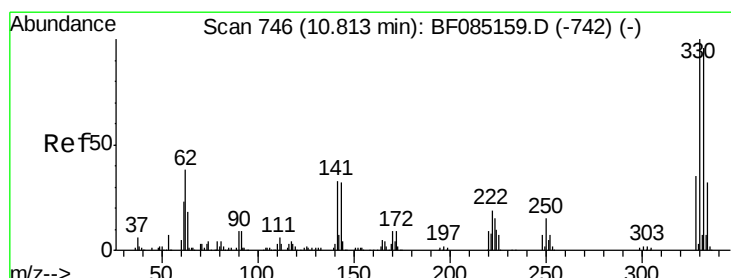
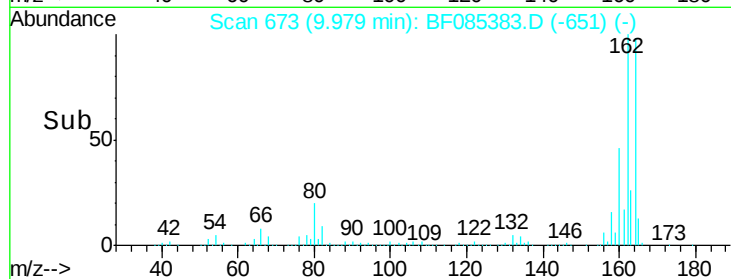
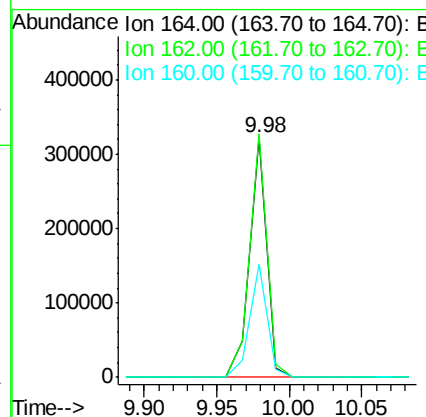
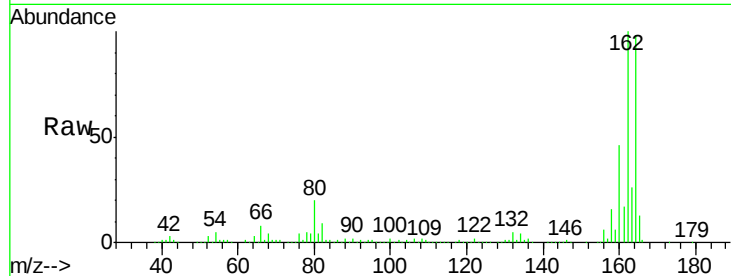
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Instrument :
BNA_F
ClientSampleId :
POST-EX-15-20160309

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	263509		
162	101.6	83.3	124.9	
160	47.2	37.9	56.9	

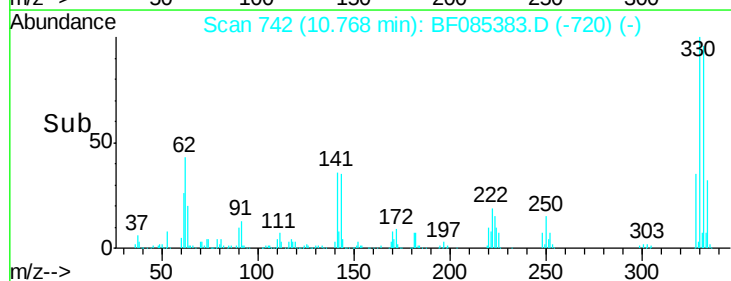
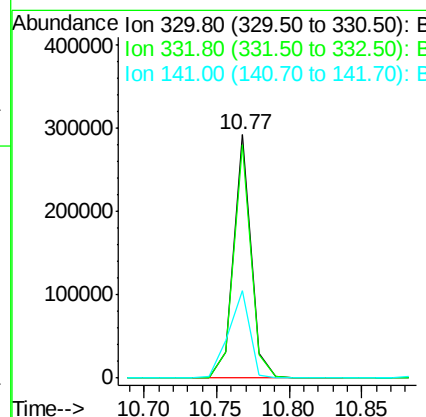
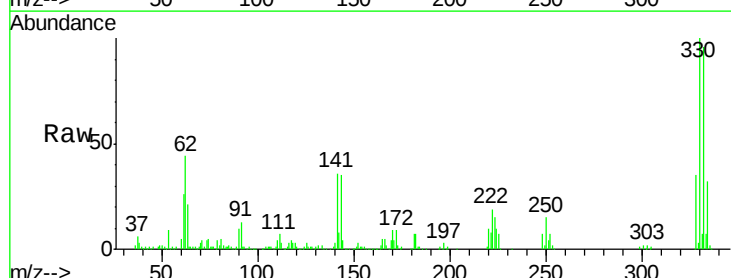
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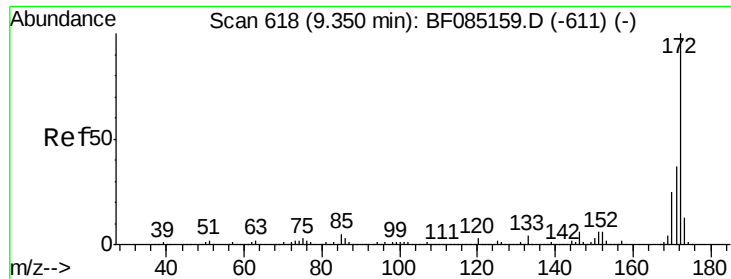
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#41
2,4,6-Tribromophenol
Concen: 107.92 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	243324		
332	96.8	77.1	115.7	
141	43.6	35.0	52.6	





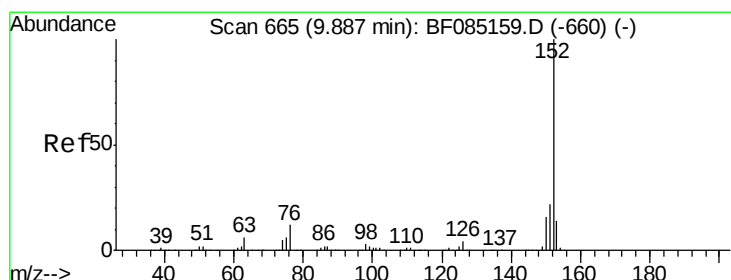
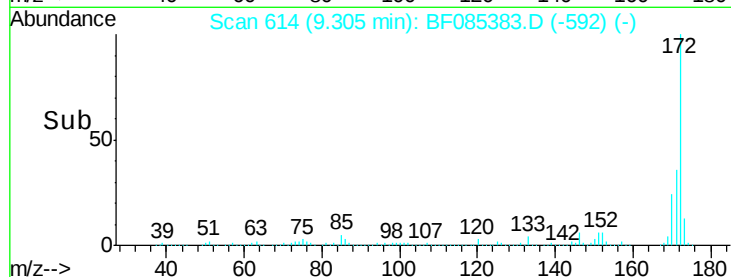
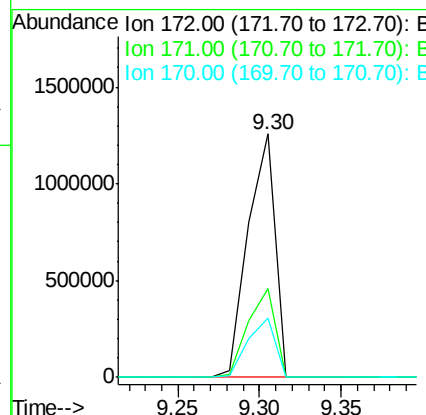
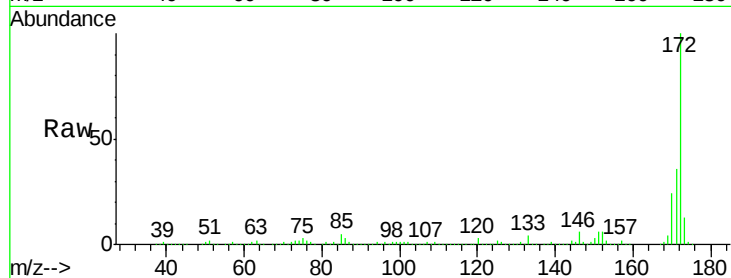
#44
2-Fluorobiphenyl
Concen: 83.50 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Instrument :
BNA_F
ClientSampleId :
POST-EX-15-20160309

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.3	43.9
170	24.2	20.0	30.0

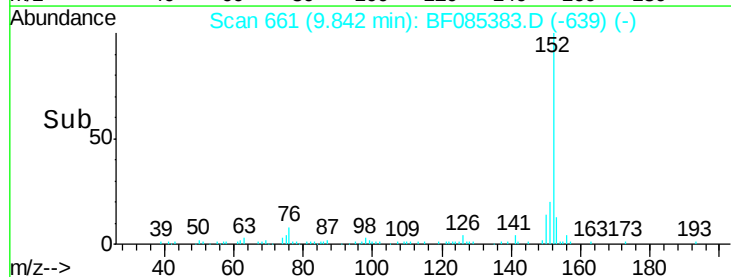
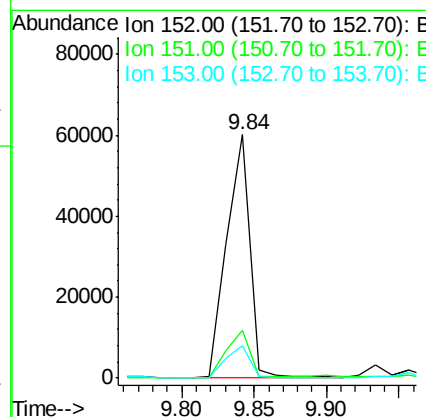
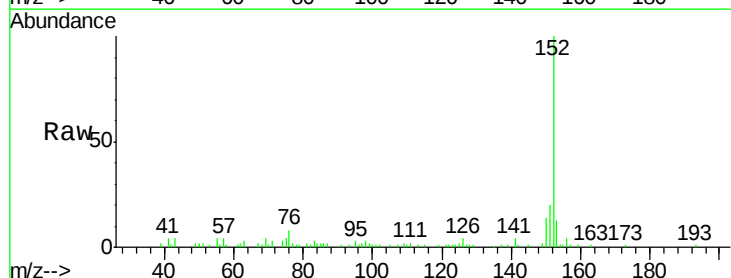
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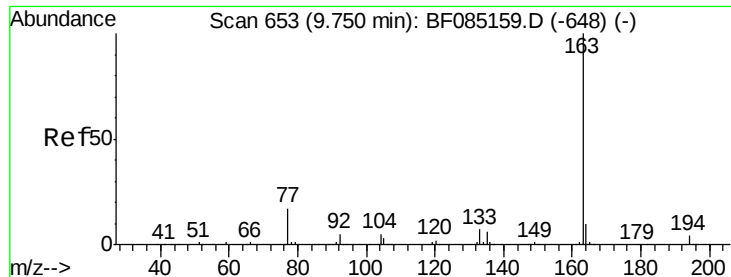
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#48
Acenaphthylene
Concen: 2.51 ng
RT: 9.84 min Scan# 661
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	17.5	26.3
153	13.4	11.3	16.9





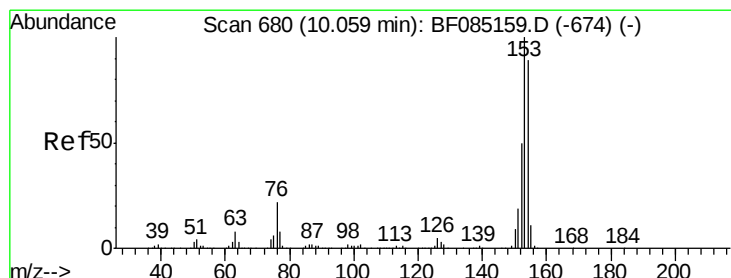
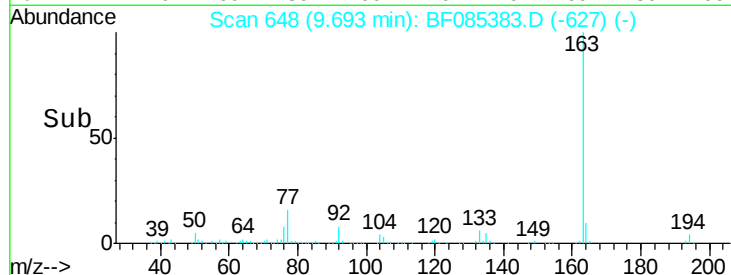
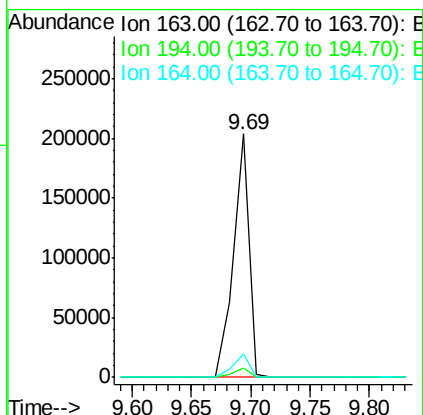
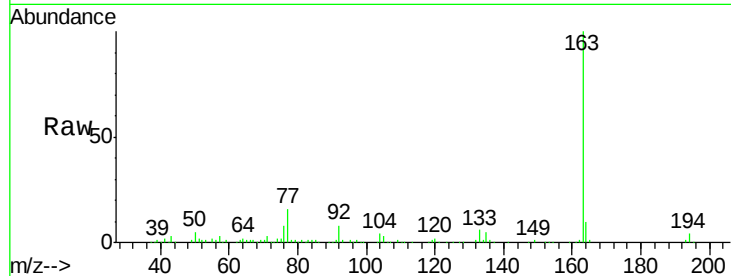
#49
Dimethylphthalate
Concen: 9.18 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.06 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.9	3.1	4.7
164	9.7	8.2	12.4

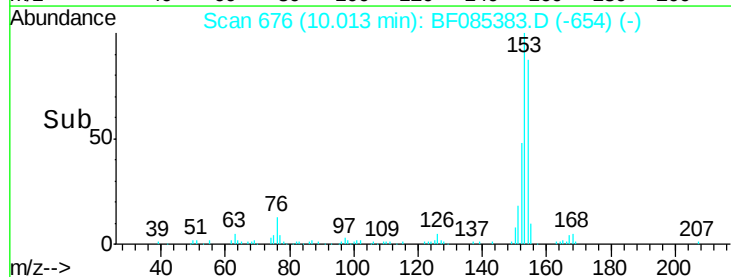
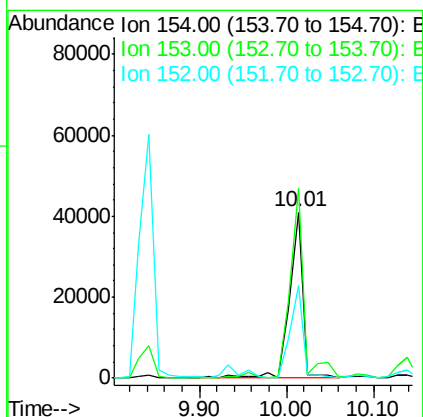
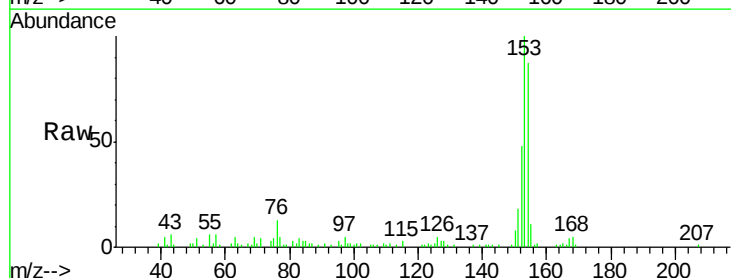
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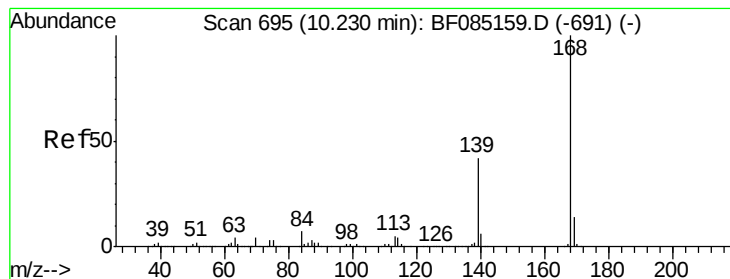
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#51
Acenaphthene
Concen: 2.67 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	114.7	89.8	134.8
152	55.4	44.6	66.8





#54

Dibenzenofuran

Concen: 2.33 ng

RT: 10.18 min Scan# 691

Delta R.T. -0.05 min

Lab File: BF085383.D

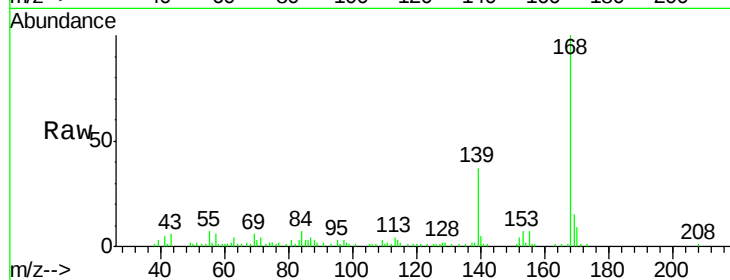
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Instrument :

BNA_F

ClientSampleId :

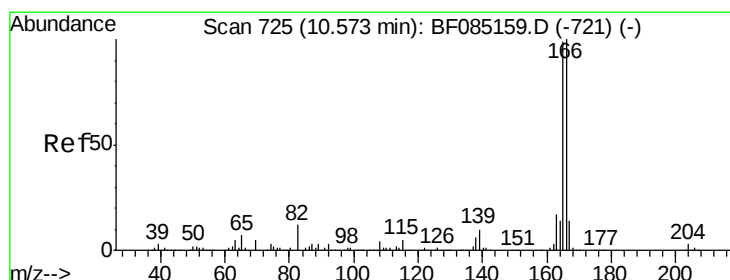
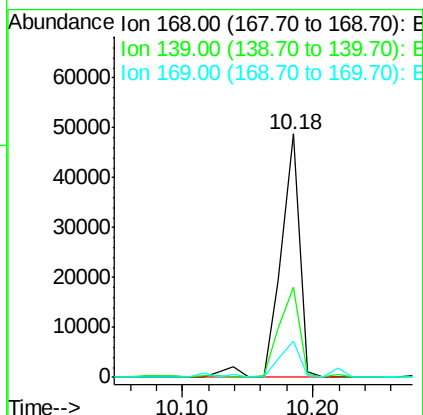
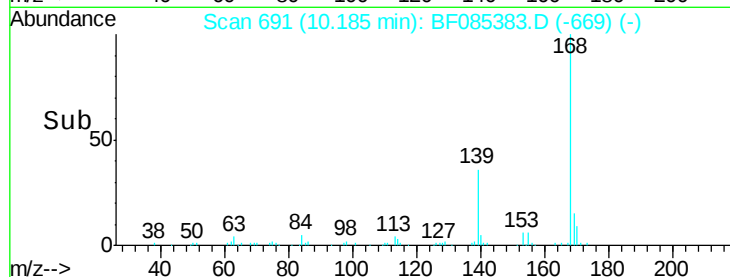
POST-EX-15-20160309



Tgt Ion:	168	Resp:	49588
Ion Ratio	Lower	Upper	
168	100		
139	37.0	33.6	50.4
169	14.6	11.2	16.8

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#57

Fluorene

Concen: 3.66 ng

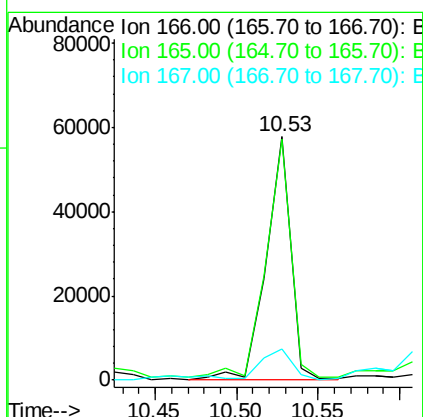
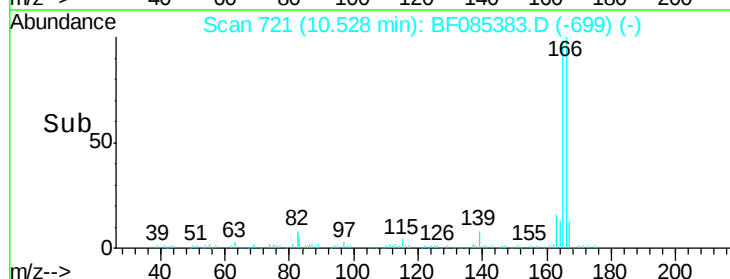
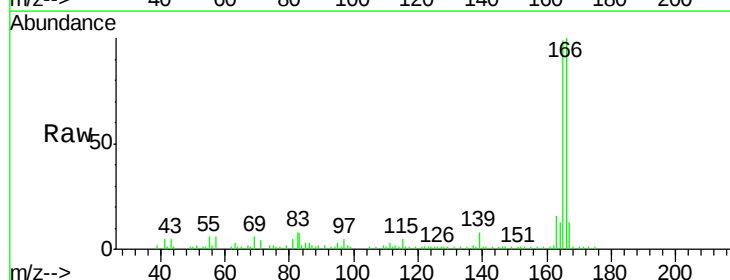
RT: 10.53 min Scan# 721

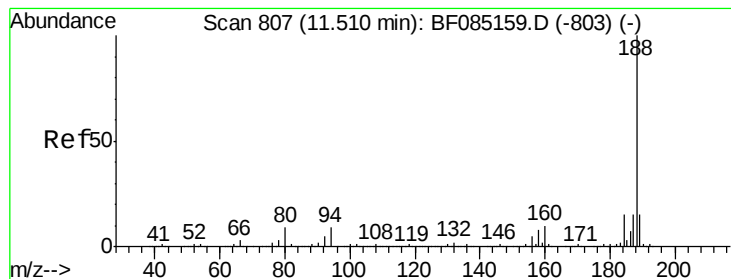
Delta R.T. -0.05 min

Lab File: BF085383.D

Acq: 11 Mar 2016 20:29

Tgt Ion:	166	Resp:	61110
Ion Ratio	Lower	Upper	
166	100		
165	98.8	79.4	119.0
167	12.8	11.0	16.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.47 min Scan# 803

Delta R.T. -0.05 min

Lab File: BF085383.D

Acq: 11 Mar 2016 20:29

Instrument :

BNA_F

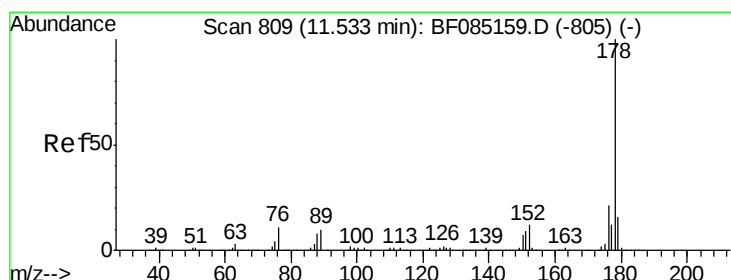
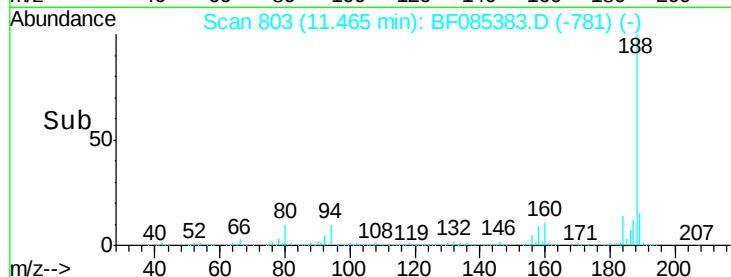
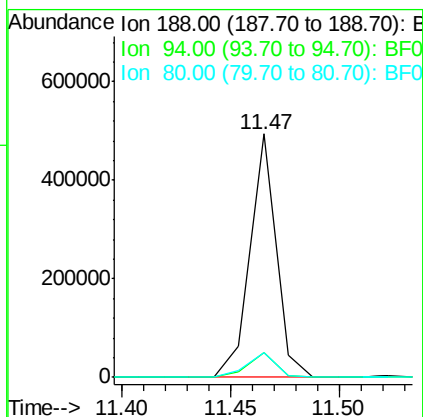
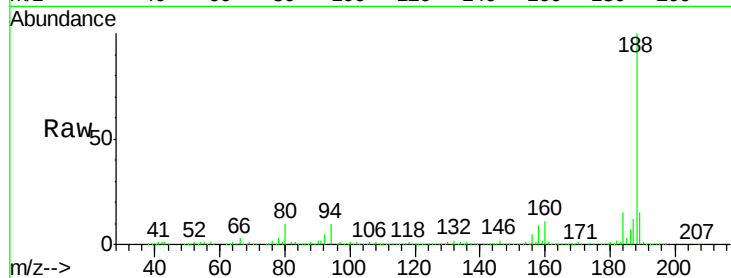
ClientSampleId :

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Tgt Ion:	188	Resp:	415322
Ion Ratio	Lower	Upper	
188	100		
94	9.9	7.0	10.6
80	10.3	7.4	11.0

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#70

Phenanthrene

Concen: 33.33 ng

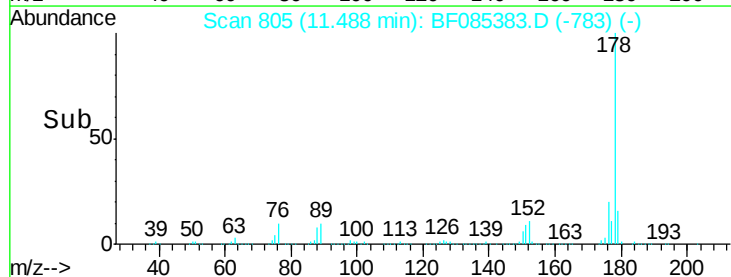
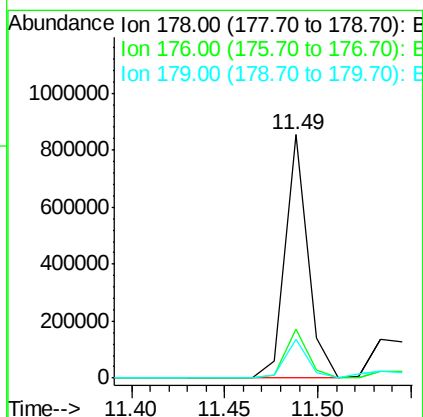
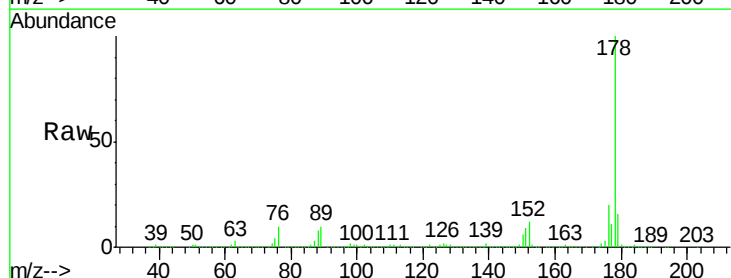
RT: 11.49 min Scan# 805

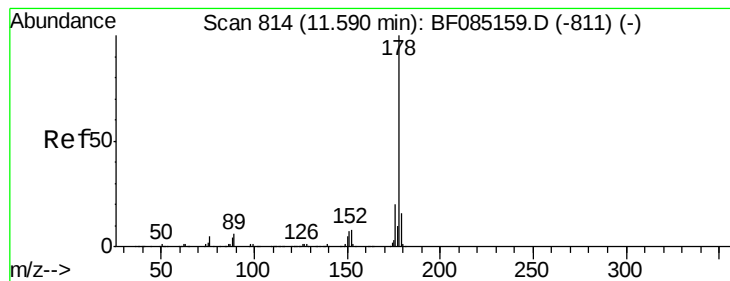
Delta R.T. -0.05 min

Lab File: BF085383.D

Acq: 11 Mar 2016 20:29

Tgt Ion:	178	Resp:	725473
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.8	25.2
179	15.9	13.1	19.7





#71

Anthracene

Concen: 8.02 ng

RT: 11.53 min Scan# 809

Delta R.T. -0.06 min

Lab File: BF085383.D

Acq: 11 Mar 2016 20:29

Instrument :

BNA_F

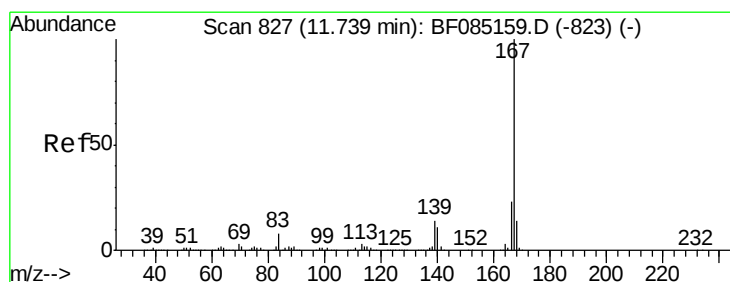
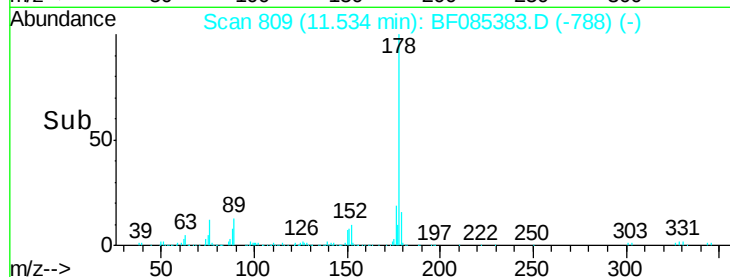
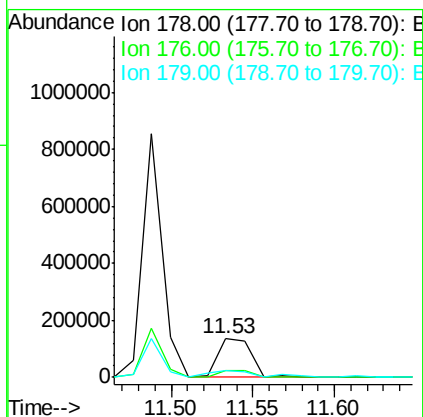
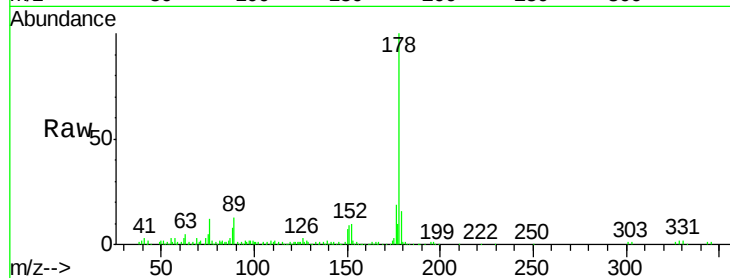
ClientSampleId :

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Tgt Ion:	178	Resp:	185401
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.9	23.9
179	16.3	12.5	18.7

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#72

Carbazole

Concen: 3.31 ng

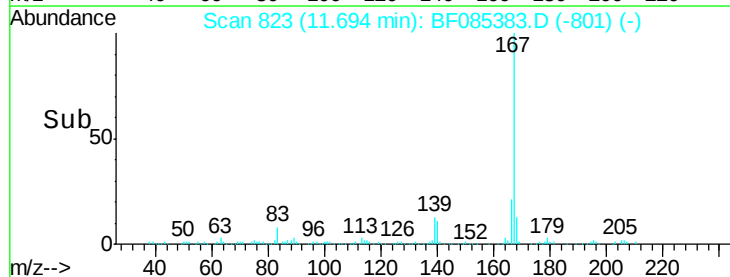
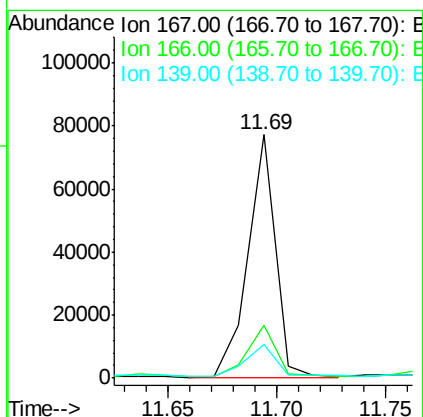
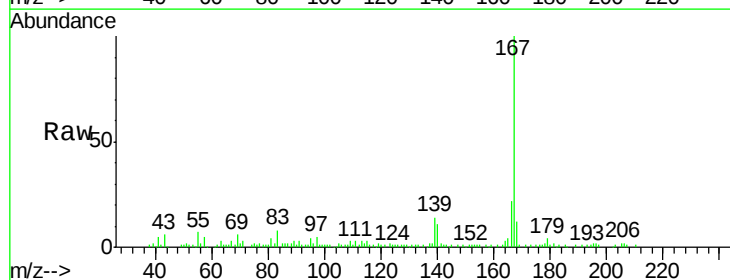
RT: 11.69 min Scan# 823

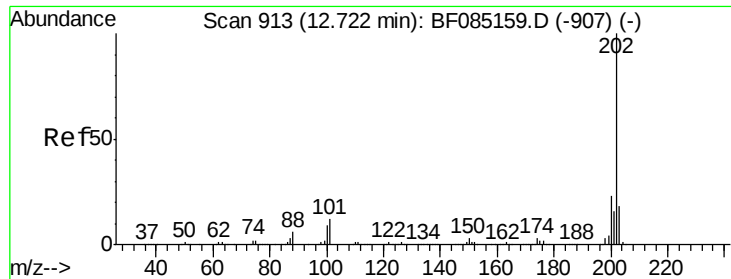
Delta R.T. -0.05 min

Lab File: BF085383.D

Acq: 11 Mar 2016 20:29

Tgt Ion:	167	Resp:	67116
Ion Ratio	Lower	Upper	
167	100		
166	21.7	18.2	27.2
139	13.9	11.4	17.0





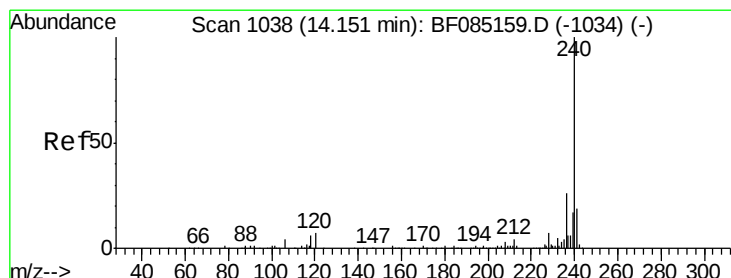
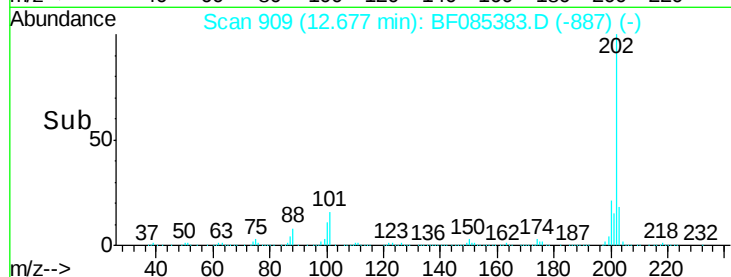
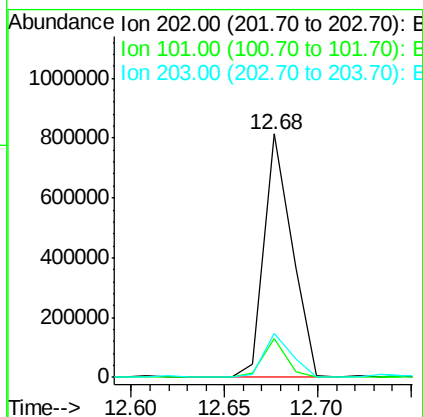
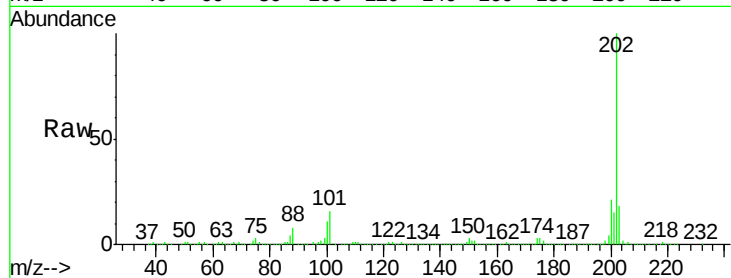
#74
Fluoranthene
Concen: 38.53 ng
RT: 12.68 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Instrument :
BNA_F
ClientSampleId :
POST-EX-15-20160309

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.7	0.0	31.8
203	18.1	0.0	38.4

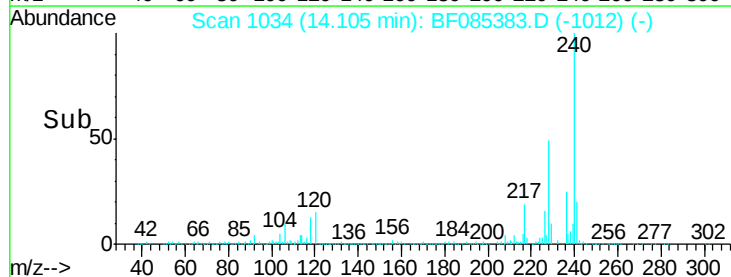
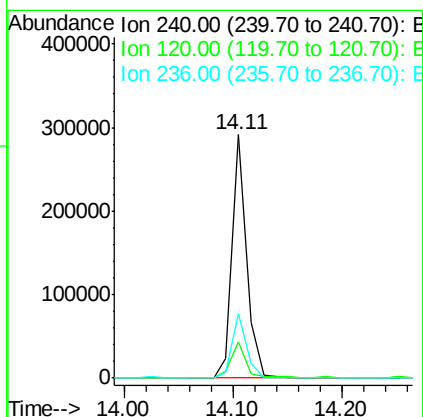
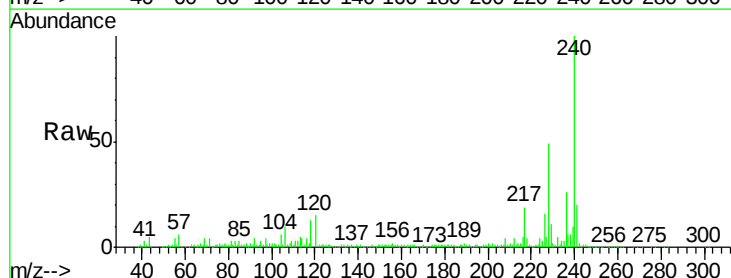
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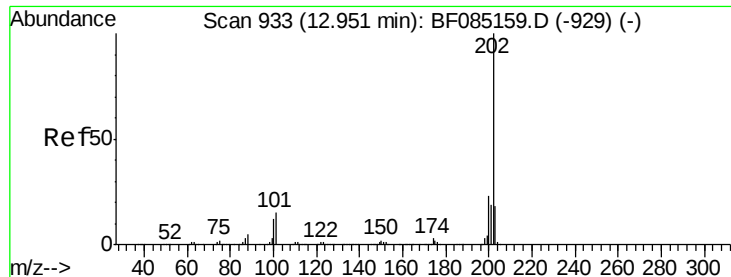
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.11 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	15.1	5.3	7.9#
236	26.2	20.7	31.1





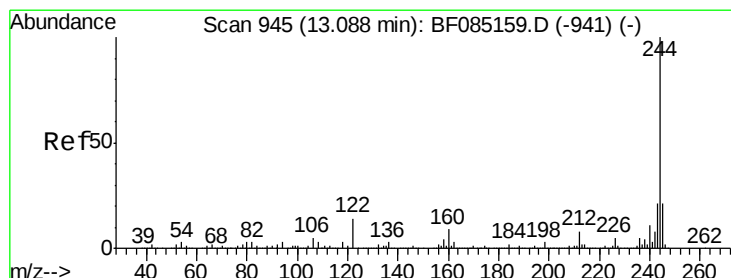
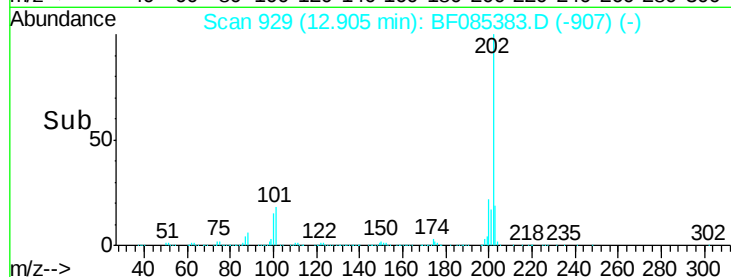
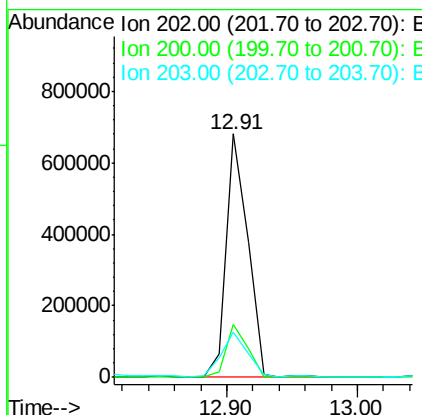
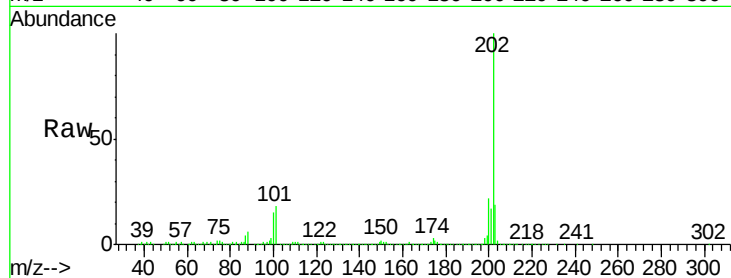
#77
Pyrene
Concen: 39.07 ng
RT: 12.91 min Scan# 929
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Instrument :
BNA_F
ClientSampleId :
POST-EX-15-20160309

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.6	18.2	27.4
203	18.7	14.7	22.1

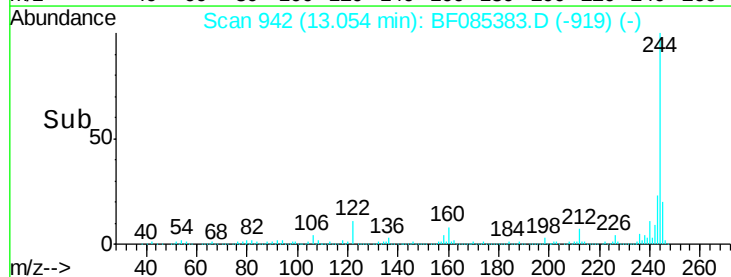
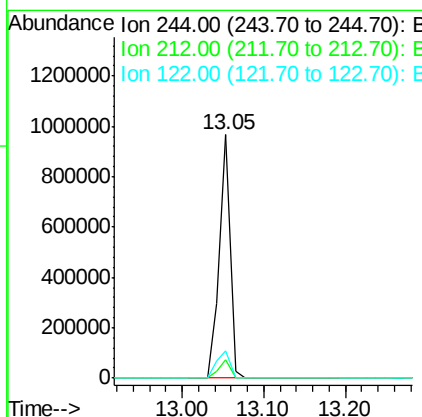
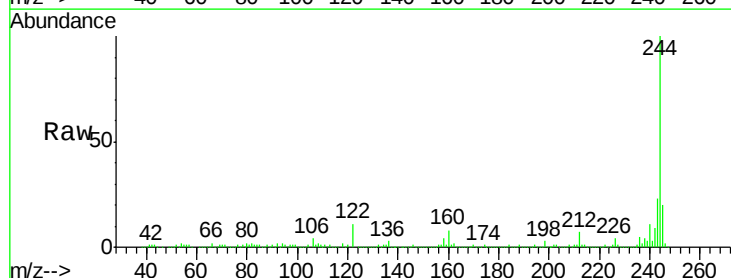
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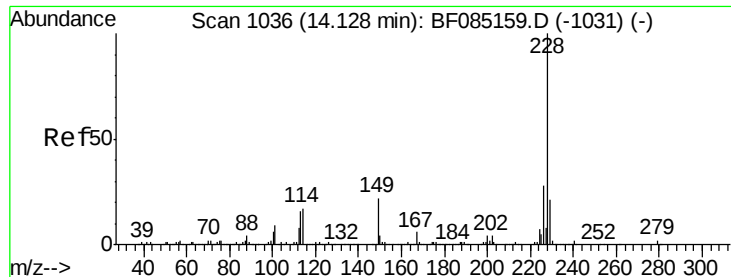
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#78
Terphenyl-d14
Concen: 77.84 ng
RT: 13.05 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.4	6.4	9.6
122	11.4	11.4	17.2#





#80

Benzo(a)anthracene

Concen: 27.36 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF085383.D

Acq: 11 Mar 2016 20:29

Instrument :

BNA_F

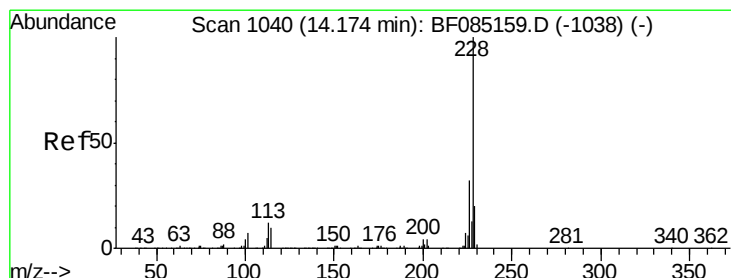
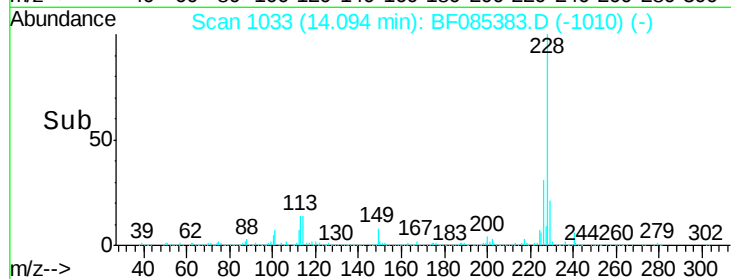
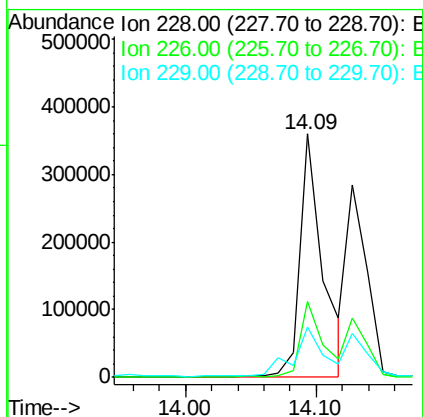
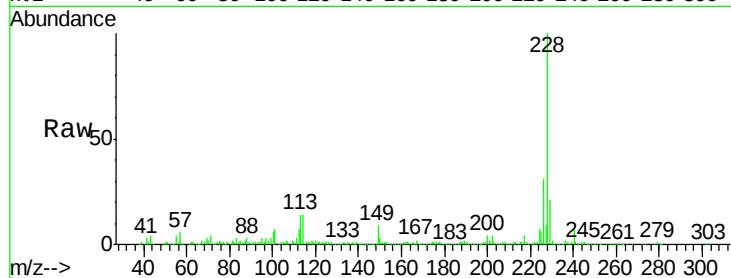
ClientSampleId :

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Tgt	Ion	Ratio	Lower	Upper
228	100			
226	31.3	22.8	34.2	
229	20.8	16.6	24.8	

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#82

Chrysene

Concen: 20.87 ng

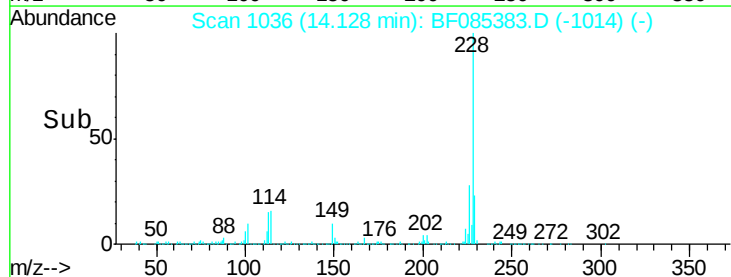
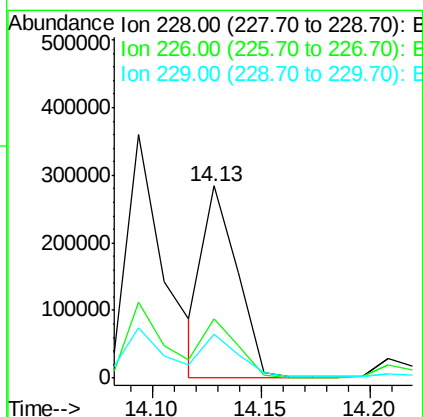
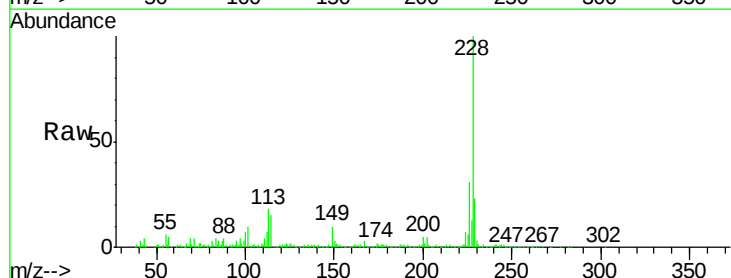
RT: 14.13 min Scan# 1036

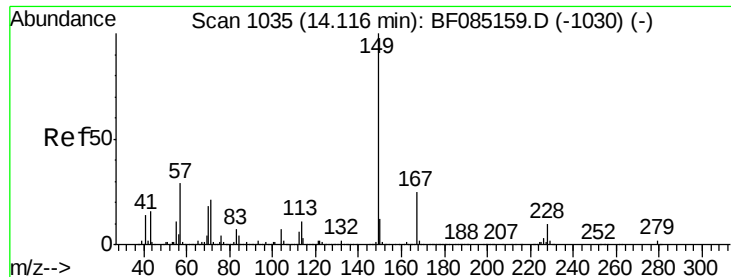
Delta R.T. -0.05 min

Lab File: BF085383.D

Acq: 11 Mar 2016 20:29

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	31.2	25.2	37.8	
229	22.7	16.0	24.0	





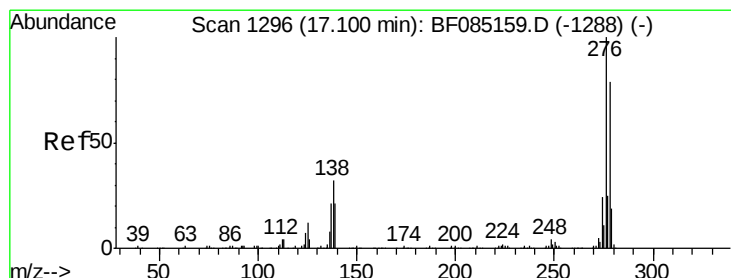
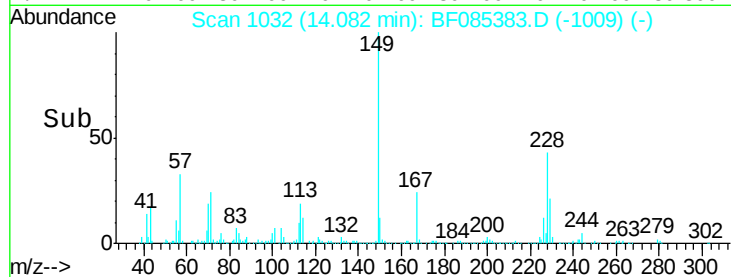
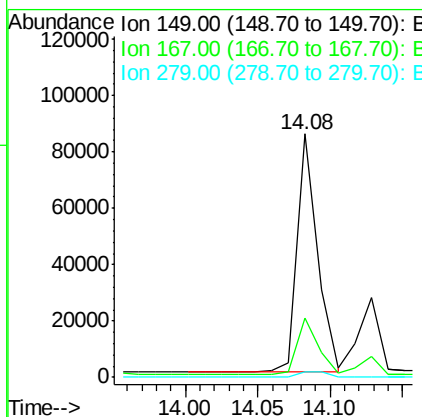
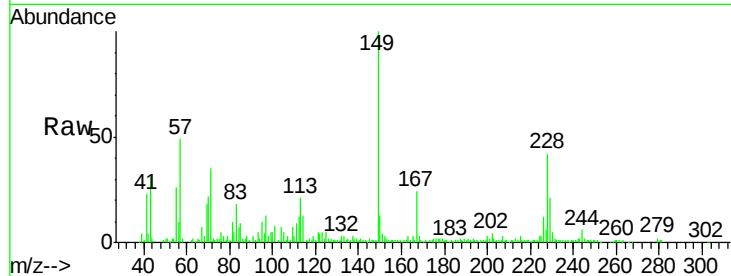
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.91 ng
 RT: 14.08 min Scan# 1032
 Delta R.T. -0.03 min
 Lab File: BF085383.D
 Acq: 11 Mar 2016 20:29

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-15-20160309

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	82461		
167	24.4	20.3	30.5	
279	2.1	1.9	2.9	

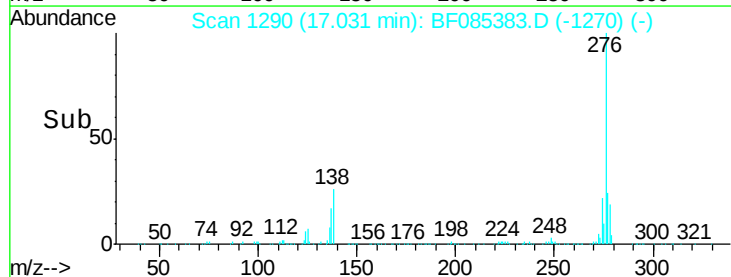
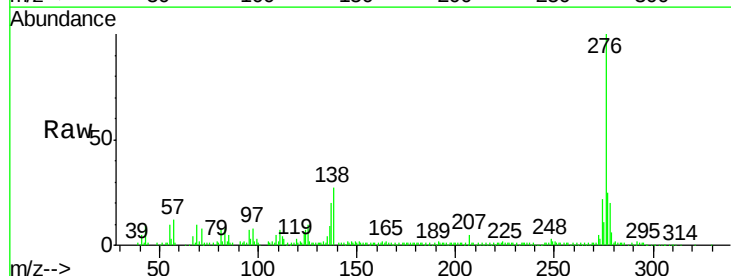
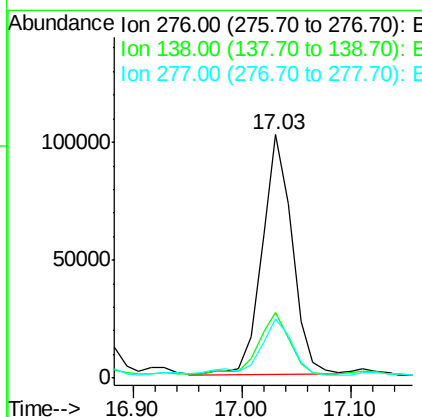
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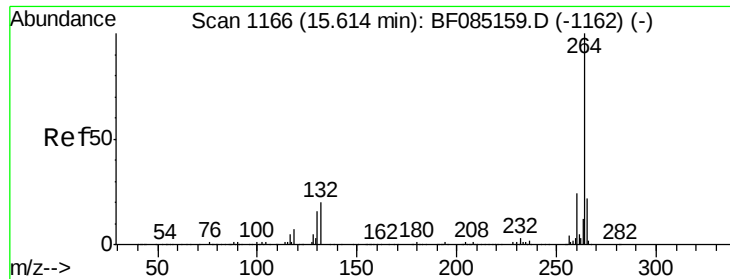
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.16 ng
 RT: 17.03 min Scan# 1290
 Delta R.T. -0.07 min
 Lab File: BF085383.D
 Acq: 11 Mar 2016 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	196750		
138	26.6	26.4	39.6	
277	27.1	20.2	30.2	





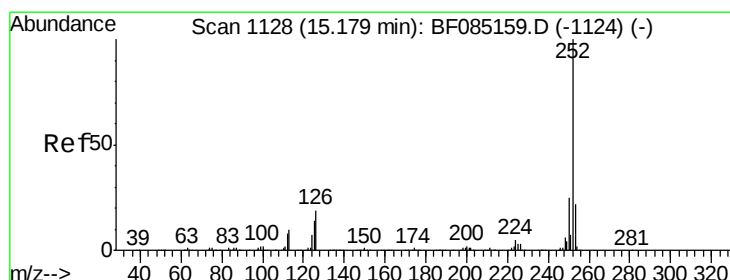
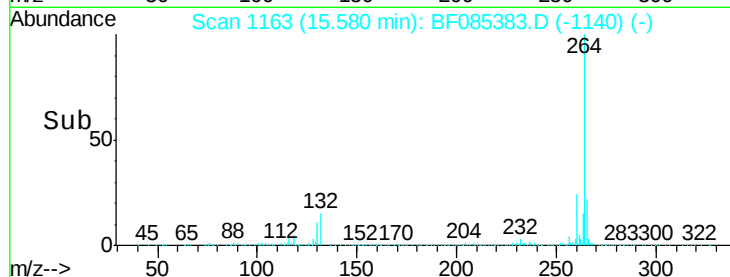
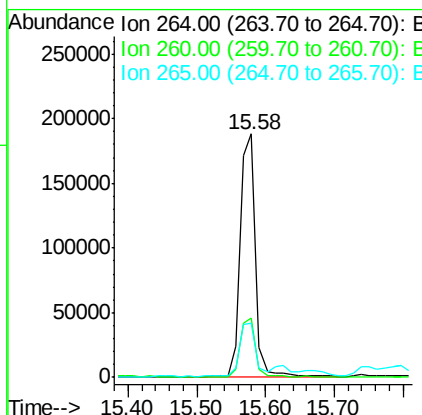
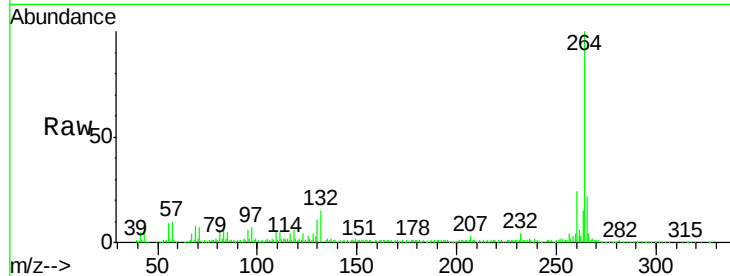
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Instrument :
BNA_F
ClientSampleId :
POST-EX-15-20160309

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.4	17.3	25.9

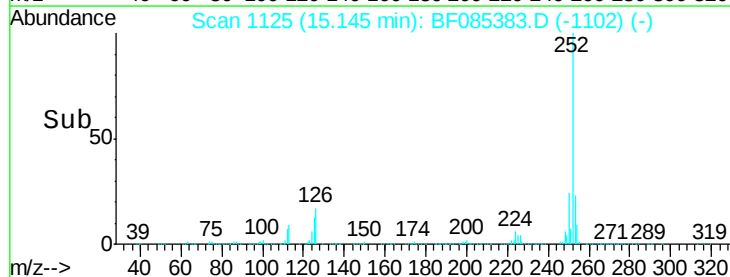
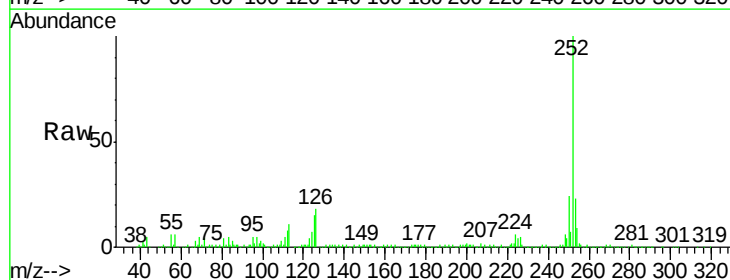
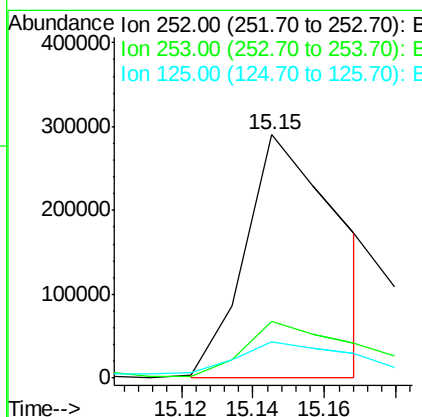
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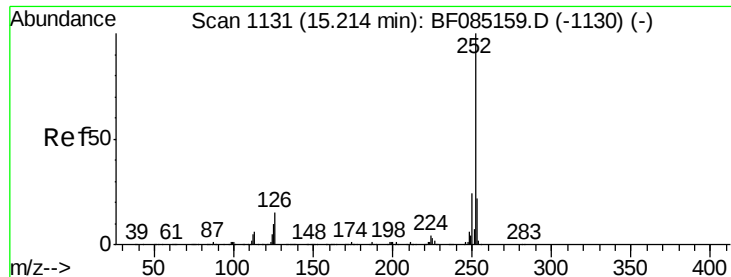
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#87
Benzo(b)fluoranthene
Concen: 27.48 ng m
RT: 15.15 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	15.1	11.3	16.9





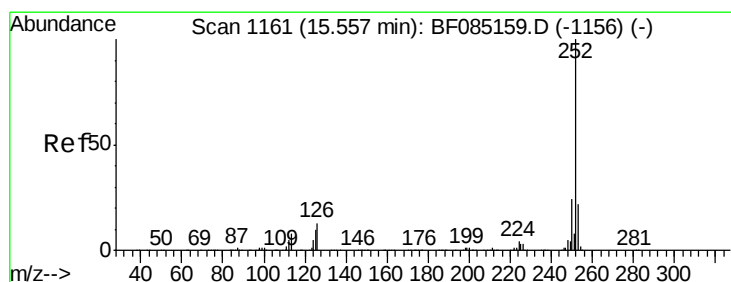
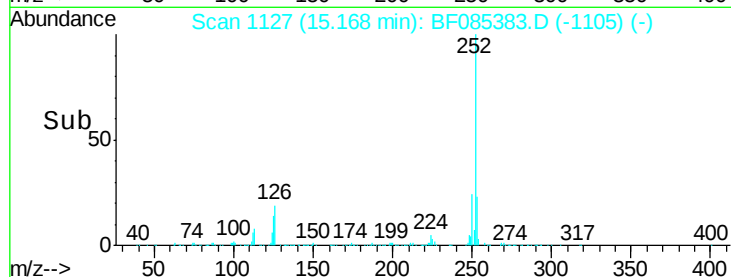
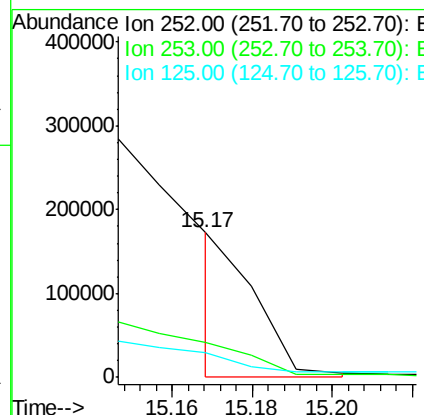
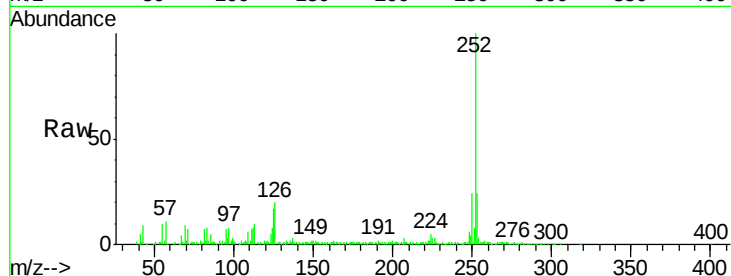
#88
Benzo(k)fluoranthene
Concen: 5.36 ng m
RT: 15.17 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Instrument :
BNA_F
ClientSampleId :
POST-EX-15-20160309

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	16.8	10.4	15.6

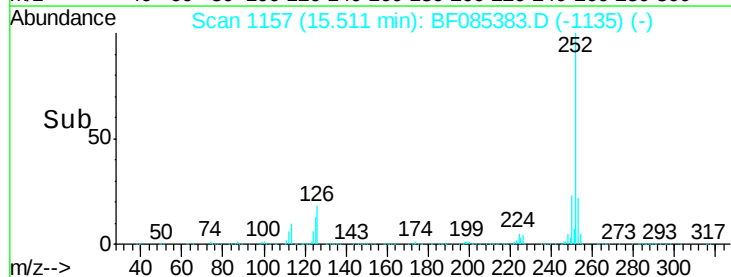
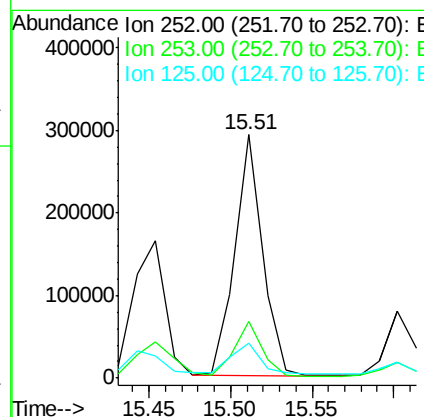
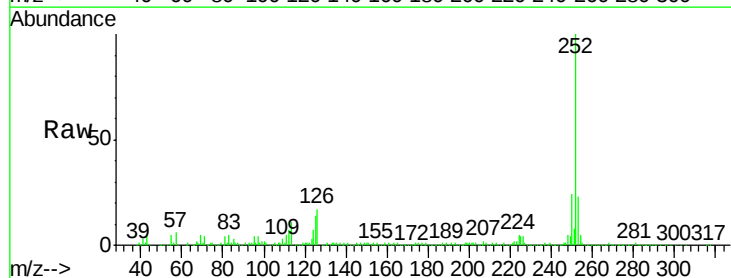
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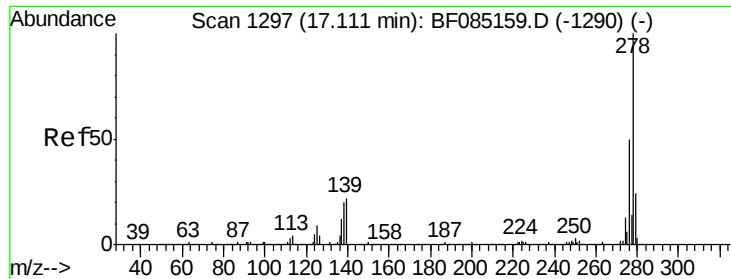
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#89
Benzo(a)pyrene
Concen: 21.35 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	14.1	8.2	12.4





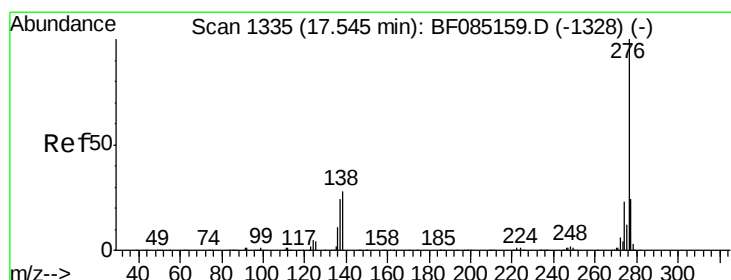
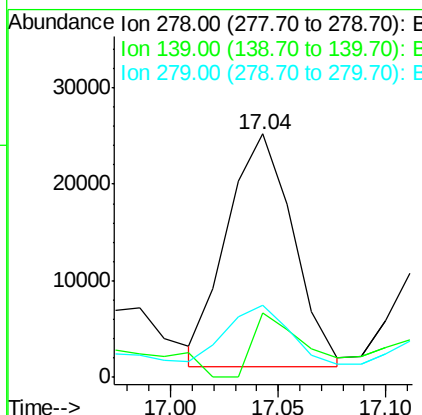
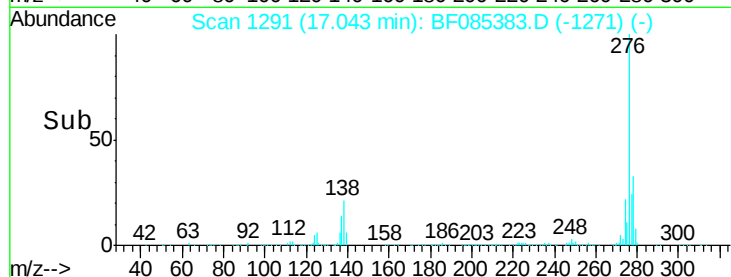
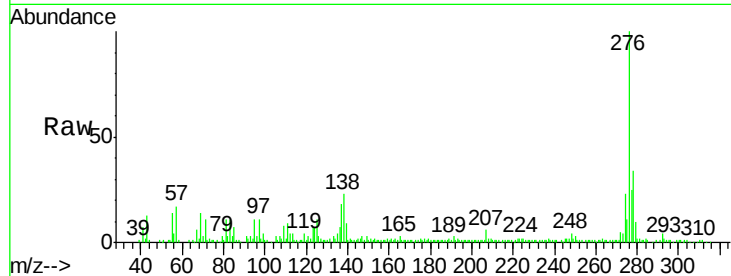
#90
Dibenzo(a,h)anthracene
Concen: 3.73 ng m
RT: 17.04 min Scan# 1291
Delta R.T. -0.07 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Instrument :
BNA_F
ClientSampleId :
POST-EX-15-20160309

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.3	17.3	25.9#
279	29.5	19.2	28.8#

Manual Integrations
APPROVED

UMANGI
3/14/2016 10:45:27 AM



#91
Benzo(g,h,i)perylene
Concen: 12.86 ng
RT: 17.48 min Scan# 1329
Delta R.T. -0.07 min
Lab File: BF085383.D
Acq: 11 Mar 2016 20:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	25.7	22.5	33.7

