

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
 Data File : BF085765.D
 Acq On : 25 Mar 2016 16:54
 Operator : UM/SJ
 Sample : H1857-03DL 10X
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(3-5)DL

Manual Integrations
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Quant Time: Mar 26 06:24:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	105770	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	392566	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	168651	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	261737	20.00	ng	0.00
75) Chrysene-d12	13.98	240	211842	20.00	ng	0.00
86) Perylene-d12	15.40	264	190798	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	81527	12.84	ng	0.01
7) Phenol-d6	6.46	99	105631	13.08	ng	0.00
23) Nitrobenzene-d5	7.38	82	65838	9.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	13482	8.41	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	102882	10.19	ng	0.00
78) Terphenyl-d14	12.93	244	61206	5.94	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.13	128	89842	4.54	ng	99
51) Acenaphthene	9.90	154	76203	7.32	ng	100
54) Dibenzofuran	10.07	168	69848	5.18	ng	97
57) Fluorene	10.41	166	83878	7.49	ng	97
70) Phenanthrene	11.37	178	561579	41.79	ng	99
71) Anthracene	11.42	178	192079	13.61	ng	98
72) Carbazole	11.58	167	59983	5.06	ng	98
74) Fluoranthene	12.55	202	351039	24.57	ng	99
77) Pyrene	12.78	202	321547	18.47	ng	98
80) Benzo(a)anthracene	13.97	228	157288	13.02	ng	98
82) Chrysene	14.00	228	111826	9.19	ng	96
85) Indeno(1,2,3-cd)pyrene	16.78	276	34475	3.67	ng	98
87) Benzo(b)fluoranthene	15.00	252	117578m	9.78	ng	
88) Benzo(k)fluoranthene	15.02	252	45423m	4.19	ng	
89) Benzo(a)pyrene	15.34	252	94116	8.82	ng	97
91) Benzo(g,h,i)perylene	17.20	276	35239	3.51	ng	93

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

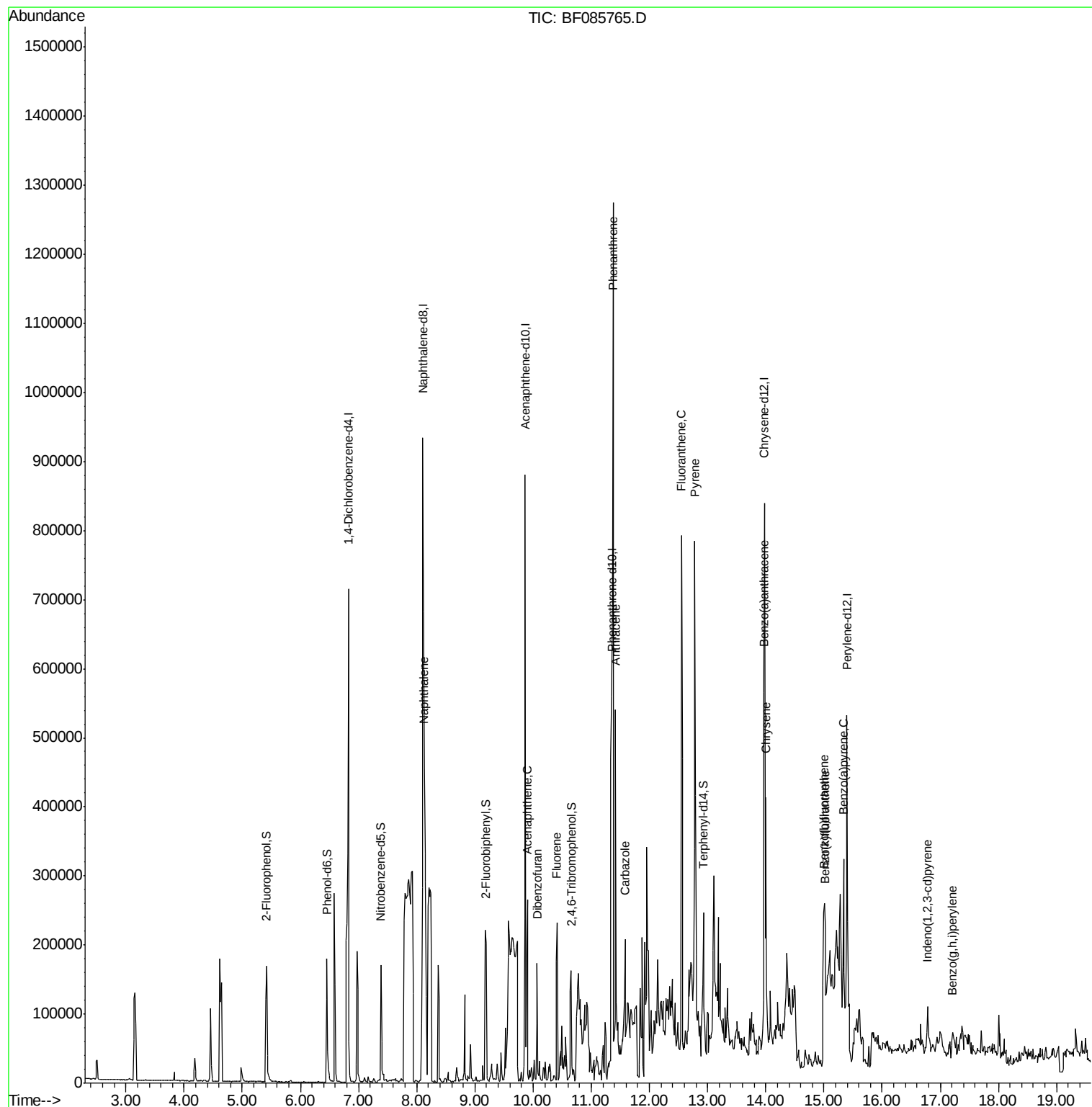
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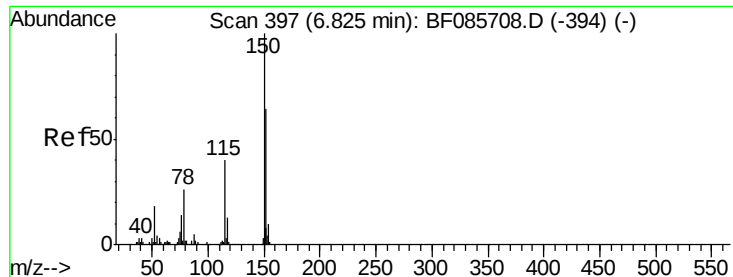
Instrument :
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SB-04(3-5)DL

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#1

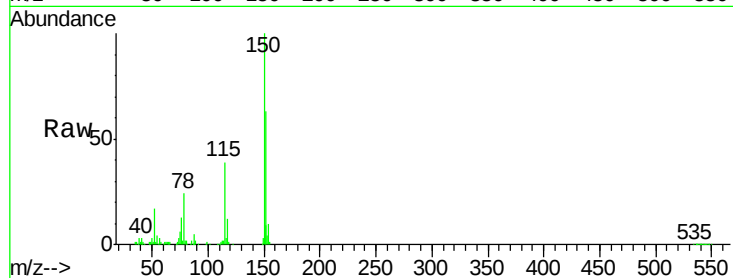
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Instrument :
BNA_F
ClientSampleId :
SB-04(3-5)DL

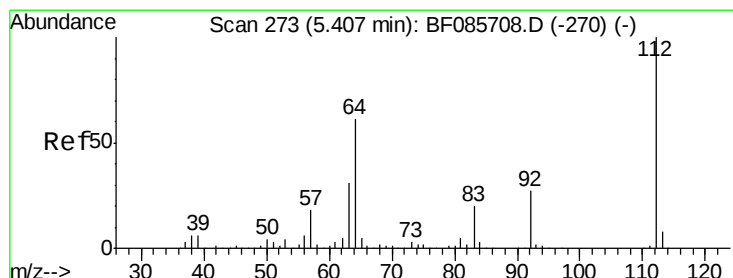
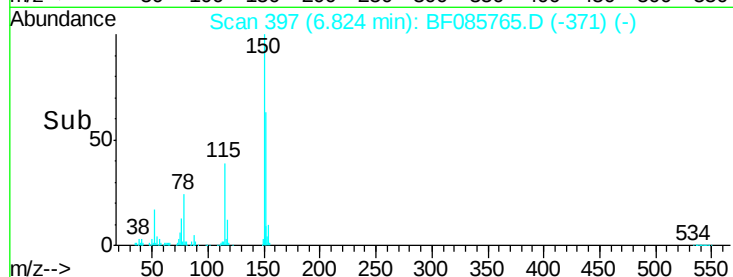
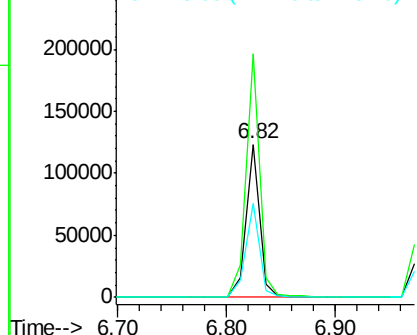
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.2	186.2
115	61.4	47.0	70.6

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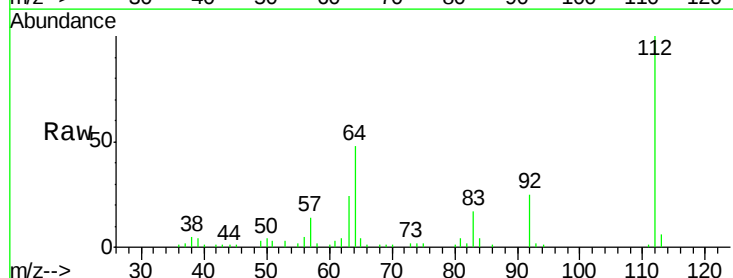
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



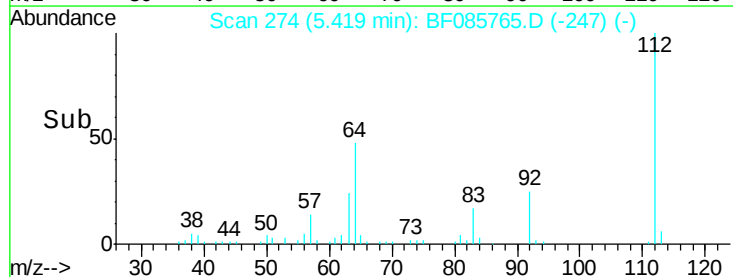
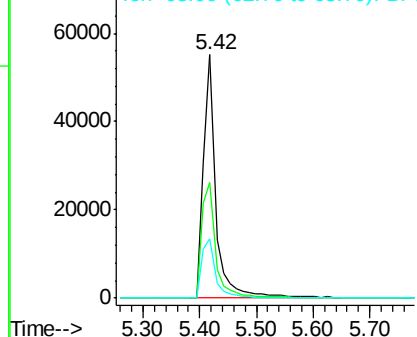
#5

2-Fluorophenol
Concen: 12.84 ng
RT: 5.42 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.6	39.9	59.9
63	24.2	20.2	30.2



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: 13.08 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085765.D

Acq: 25 Mar 2016 16:54

Instrument :

BNA_F

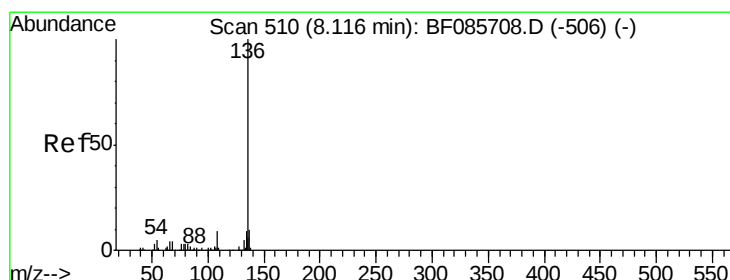
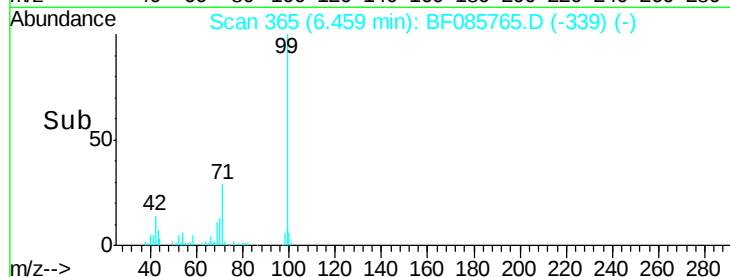
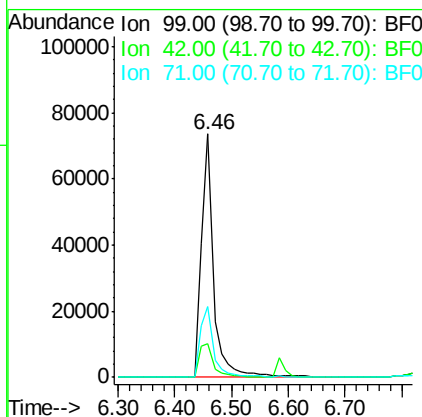
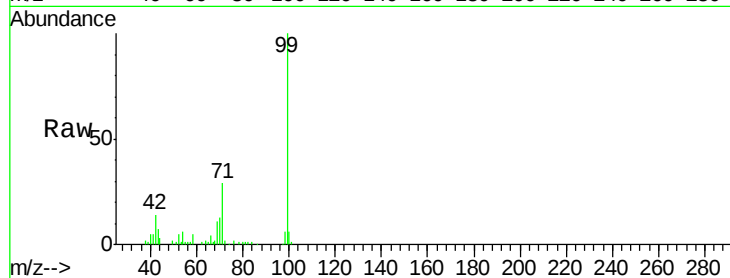
ClientSampleId :

SB-04(3-5)DL

Tot Ion:	99	Resp:	105631
Ion Ratio	Lower	Upper	
99	100		
42	13.6	11.1	16.7
71	29.0	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

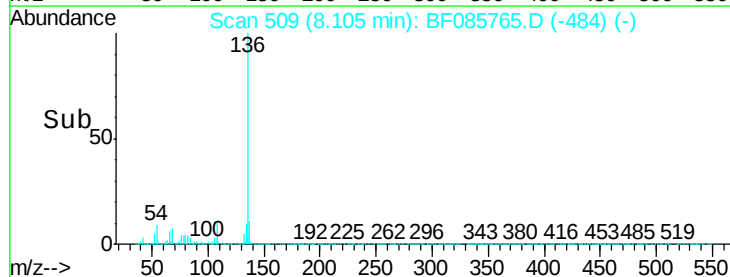
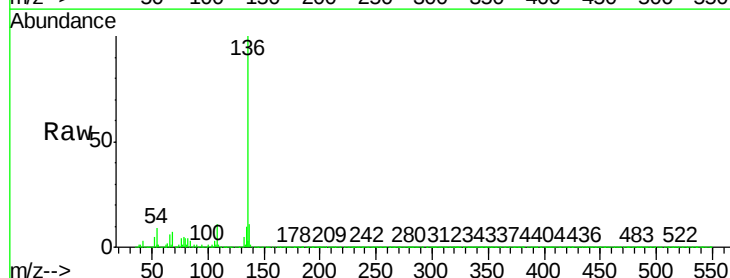
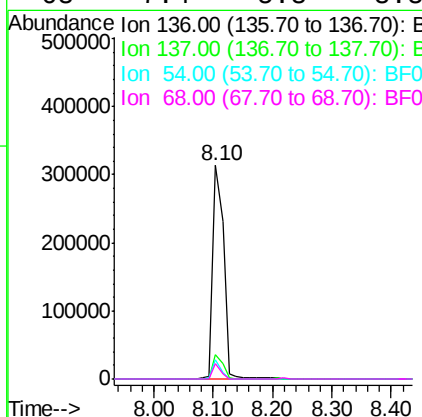
RT: 8.10 min Scan# 509

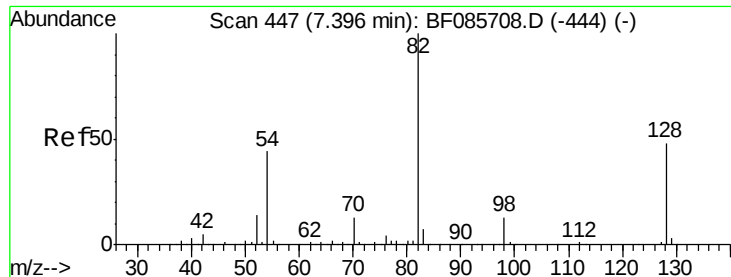
Delta R.T. -0.01 min

Lab File: BF085765.D

Acq: 25 Mar 2016 16:54

Tgt Ion:	136	Resp:	392566
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.1	13.7
54	9.1	7.4	11.0
68	7.4	5.8	8.8





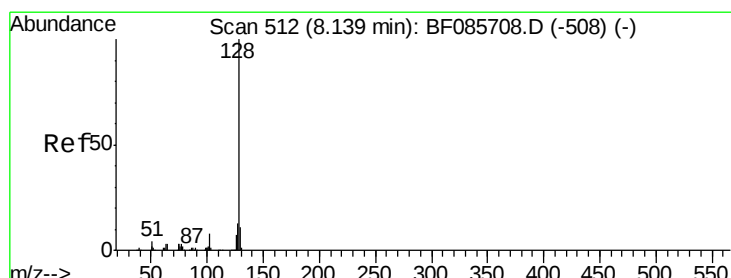
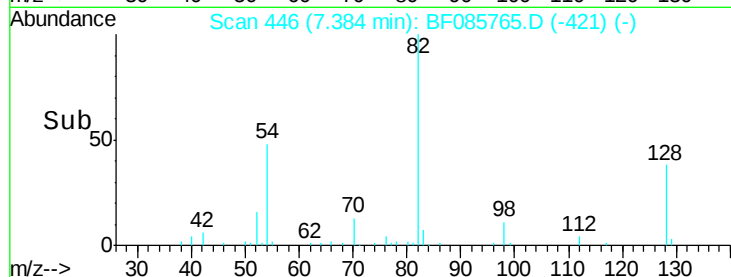
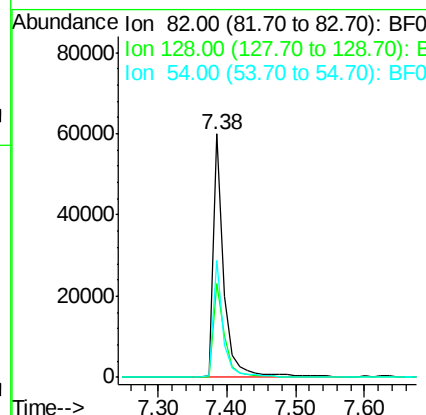
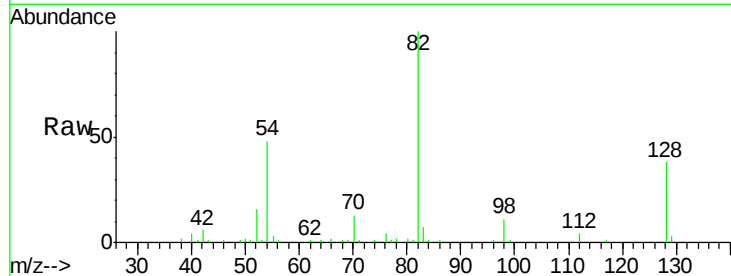
#23
 Nitrobenzene-d5
 Concen: 9.44 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085765.D
 Acq: 25 Mar 2016 16:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(3-5)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.5	41.8	62.8#
54	48.2	33.4	50.0

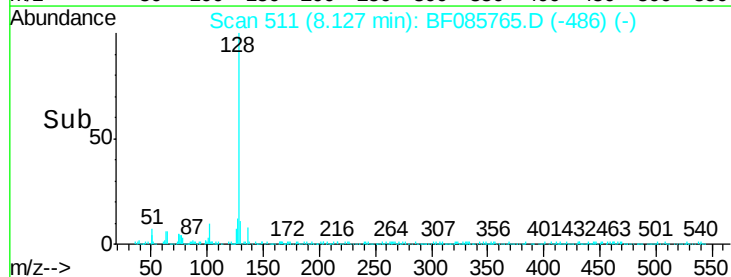
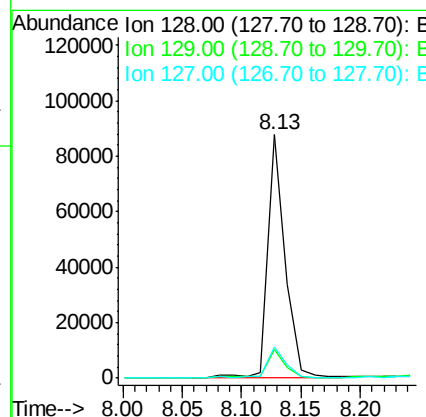
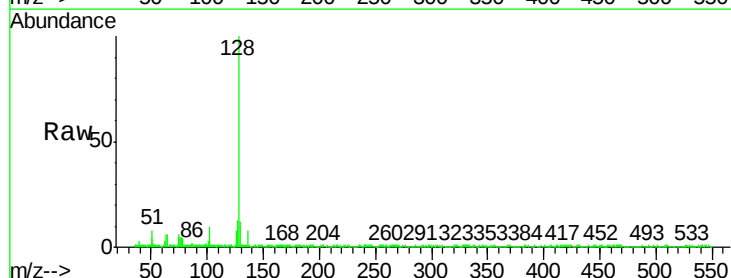
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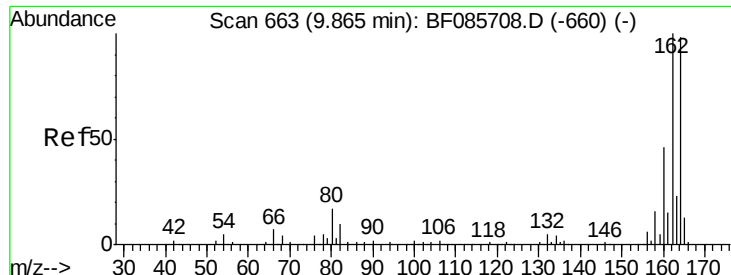
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#31
 Naphthalene
 Concen: 4.54 ng
 RT: 8.13 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: BF085765.D
 Acq: 25 Mar 2016 16:54

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.0
127	12.8	11.0	16.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF085765.D

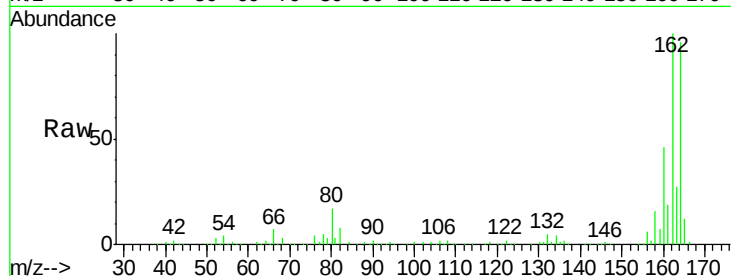
Acq: 25 Mar 2016 16:54

Instrument :

BNA_F

ClientSampleID :

SB-04(3-5)DL



Tot Ion:164 Resp: 168651

Ion Ratio Lower Upper

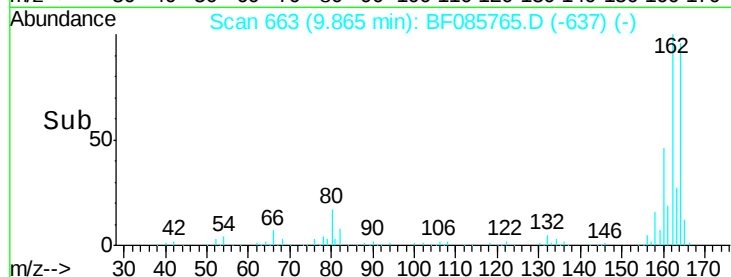
164 100

162 104.1 82.1 123.1

160 48.2 37.4 56.2

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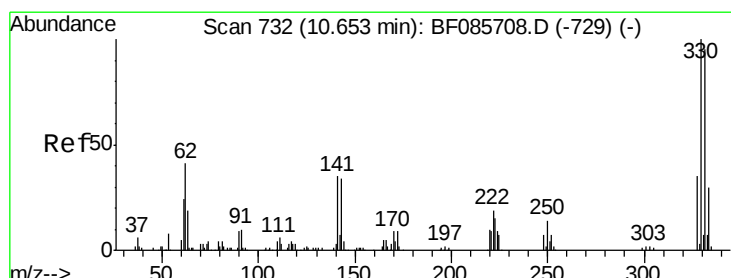
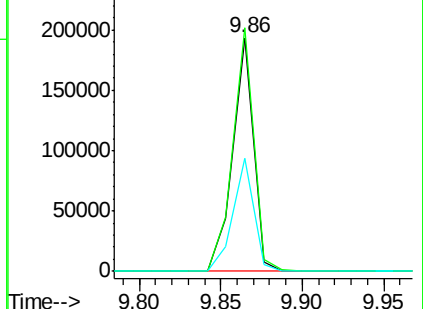
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 8.41 ng

RT: 10.65 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF085765.D

Acq: 25 Mar 2016 16:54

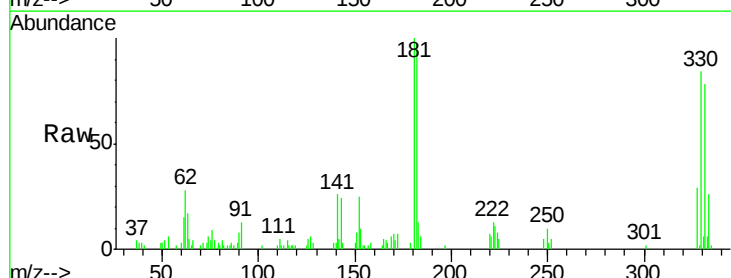
Tgt Ion:330 Resp: 13482

Ion Ratio Lower Upper

330 100

332 93.9 78.2 117.2

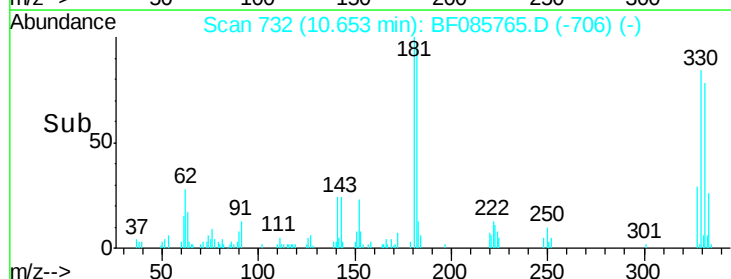
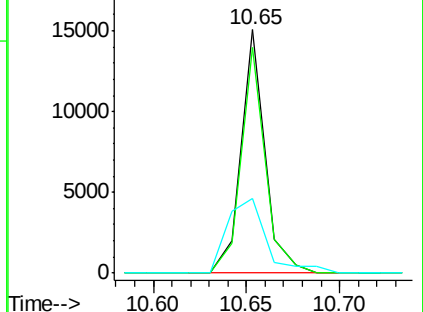
141 50.8 31.5 47.3#

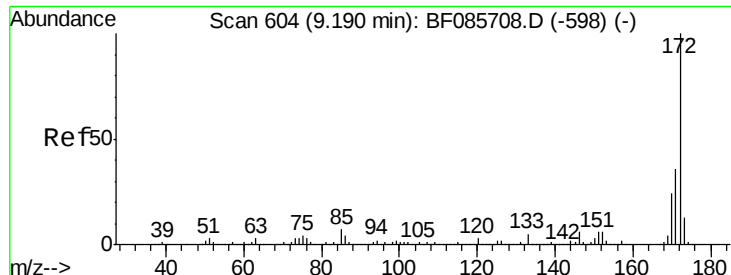


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





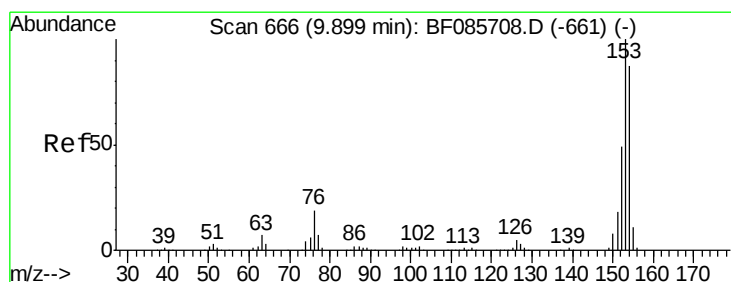
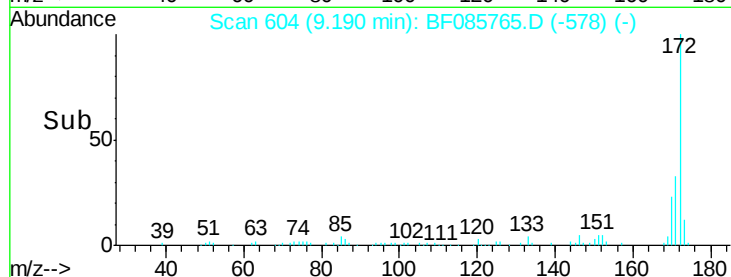
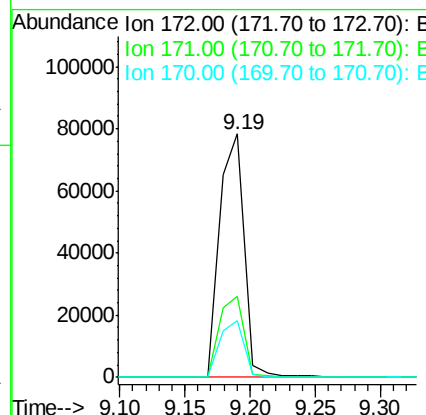
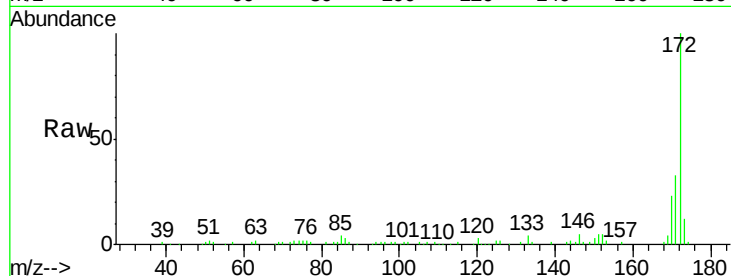
#44
2-Fluorobiphenyl
Concen: 10.19 ng
RT: 9.19 min Scan# 604
Delta R.T. -0.00 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Instrument :
BNA_F
ClientSampled :
SB-04(3-5)DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	102882		
171	33.4		29.4	44.2
170	23.2		19.8	29.6

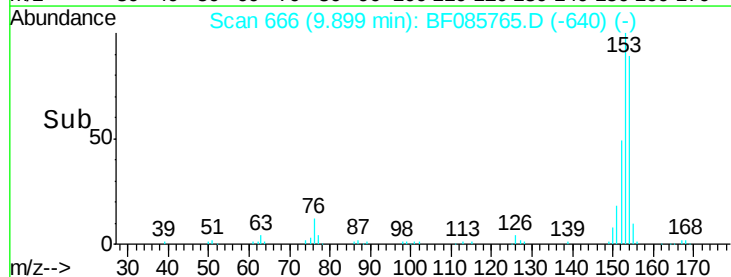
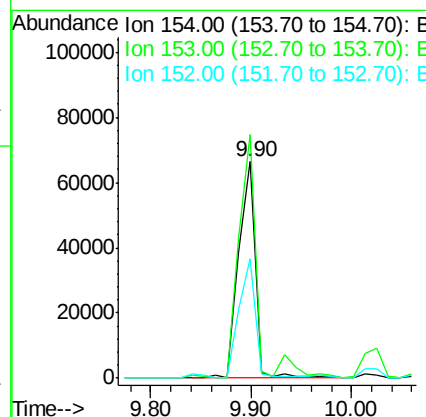
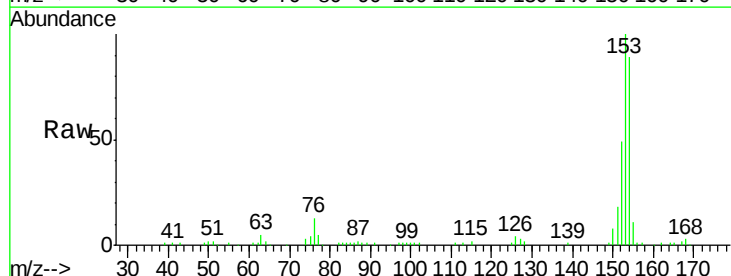
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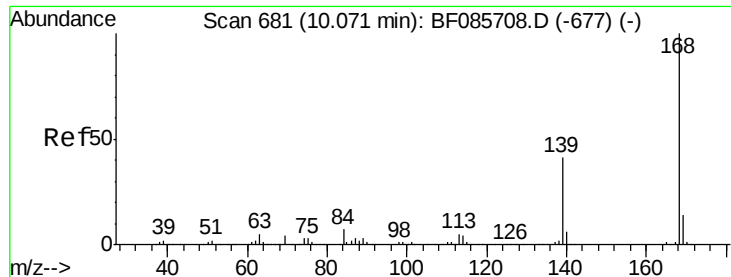
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#51
Acenaphthene
Concen: 7.32 ng
RT: 9.90 min Scan# 666
Delta R.T. -0.00 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	76203		
153	112.6		90.1	135.1
152	55.2		44.2	66.2





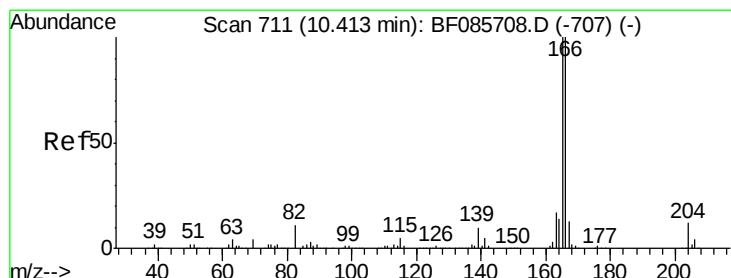
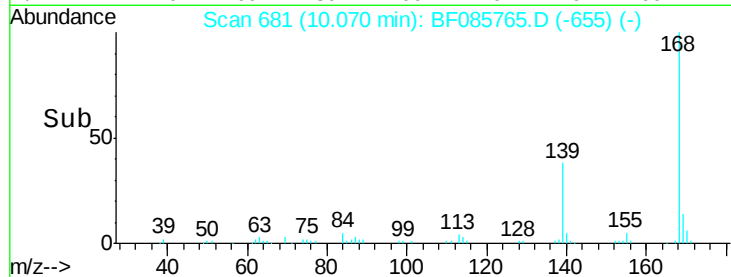
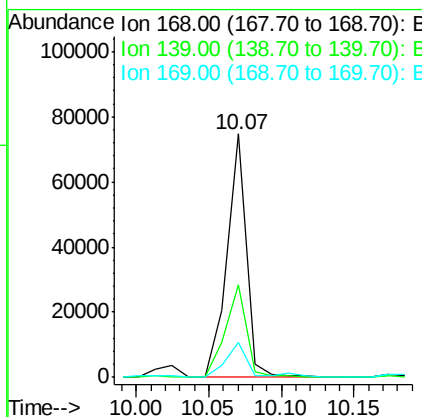
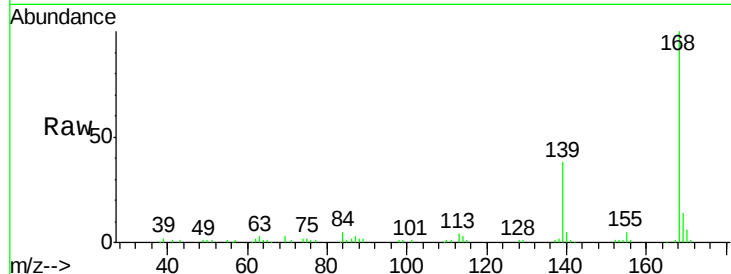
#54
Dibenzenofuran
Concen: 5.18 ng
RT: 10.07 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Instrument :
BNA_F
ClientSampleId :
SB-04(3-5)DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.8	31.9	47.9
169	14.4	11.0	16.6

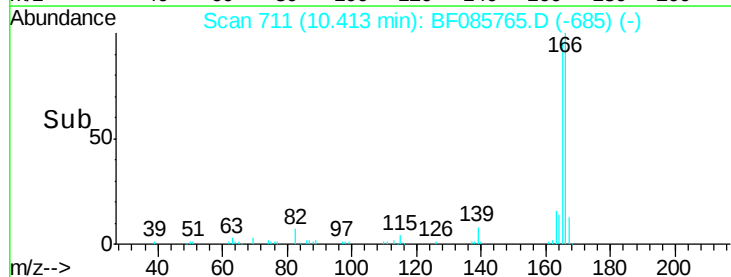
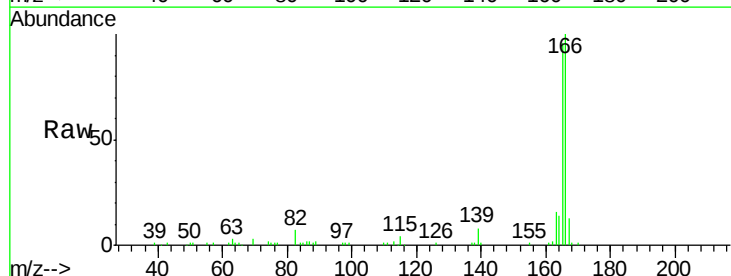
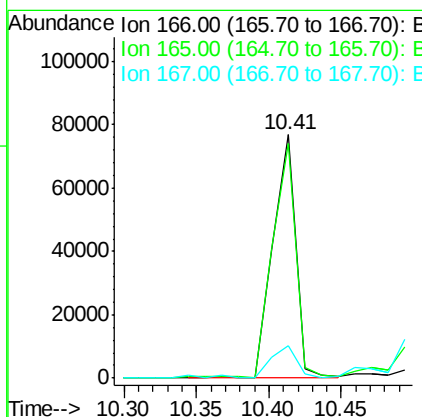
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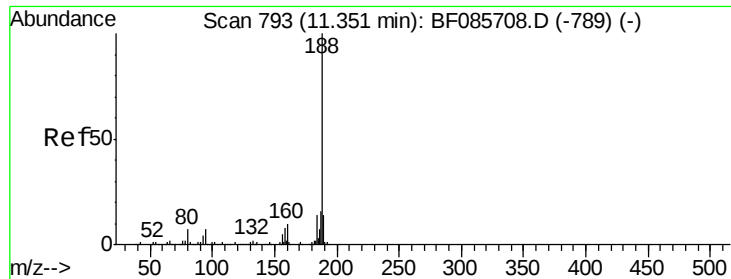
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#57
Fluorene
Concen: 7.49 ng
RT: 10.41 min Scan# 711
Delta R.T. -0.00 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.4	79.4	119.0
167	13.4	11.0	16.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 793

Delta R.T. -0.00 min

Lab File: BF085765.D

Acq: 25 Mar 2016 16:54

Instrument :

BNA_F

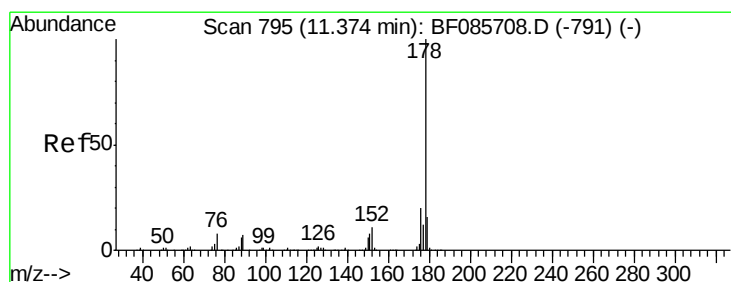
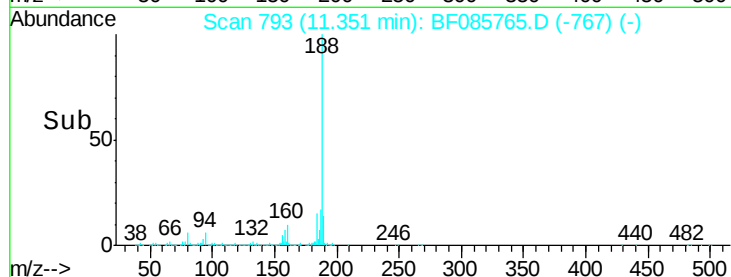
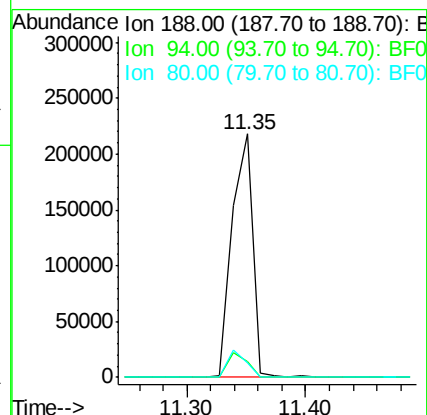
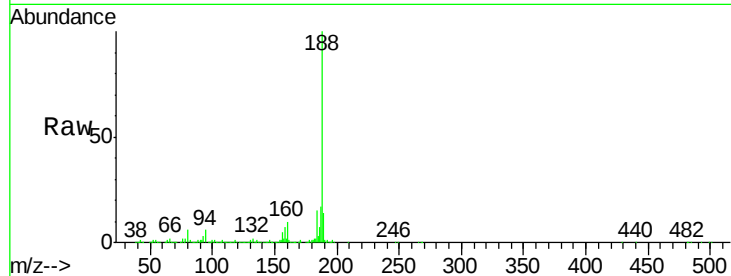
ClientSampleId :

SB-04(3-5)DL

Tot Ion:	188	Resp:	261737
Ion Ratio	Lower	Upper	
188	100		
94	6.2	5.4	8.0
80	6.2	5.5	8.3

Manual Integrations
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#70

Phenanthrene

Concen: 41.79 ng

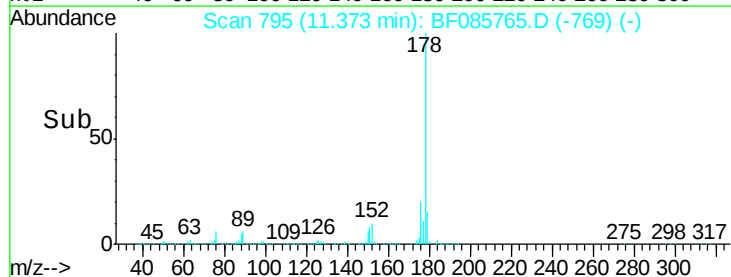
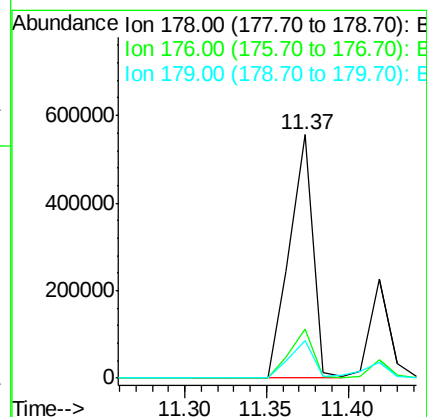
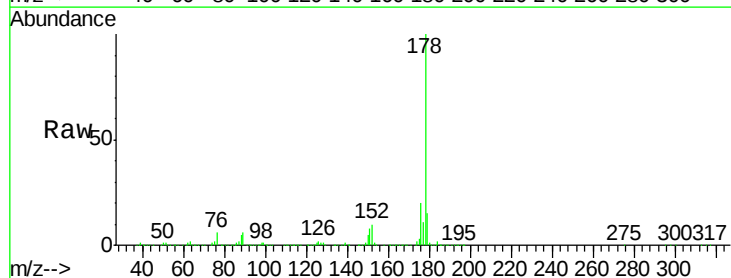
RT: 11.37 min Scan# 795

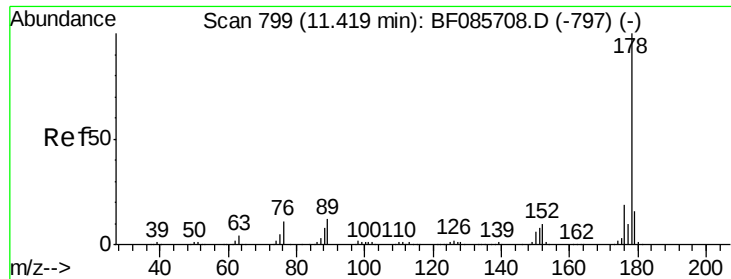
Delta R.T. -0.00 min

Lab File: BF085765.D

Acq: 25 Mar 2016 16:54

Tgt Ion:	178	Resp:	561579
Ion Ratio	Lower	Upper	
178	100		
176	19.9	16.3	24.5
179	15.4	12.6	18.8





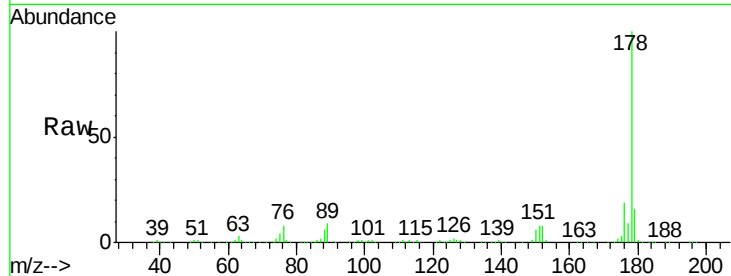
#71
 Anthracene
 Concen: 13.61 ng
 RT: 11.42 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF085765.D
 Acq: 25 Mar 2016 16:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(3-5)DL

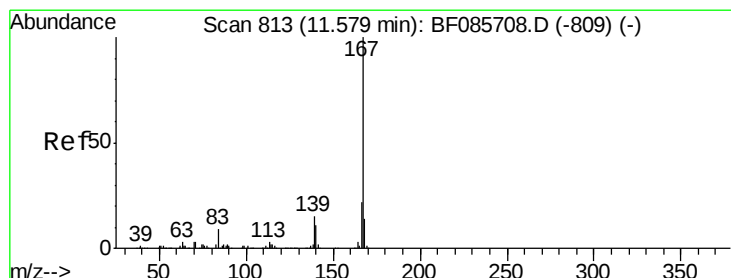
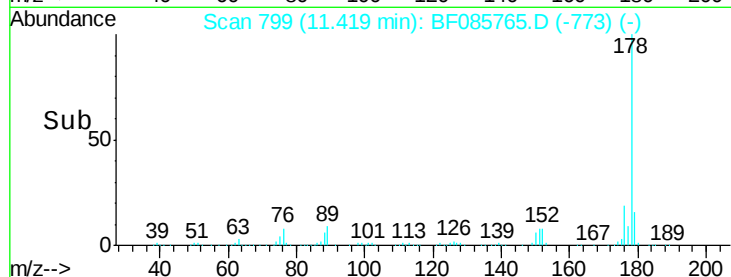
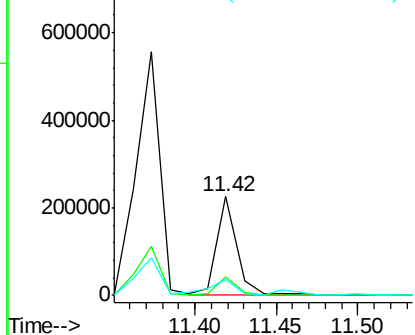
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	15.7	13.0	19.4

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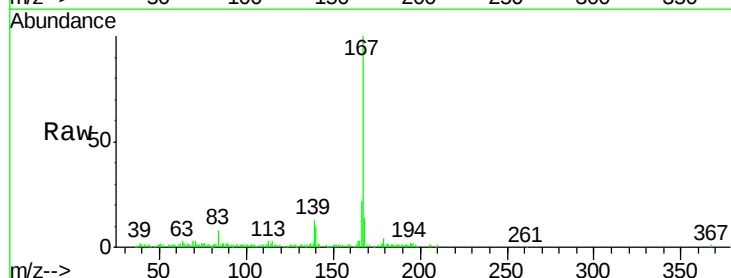


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

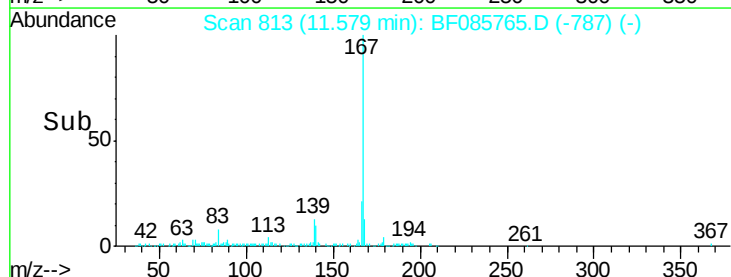
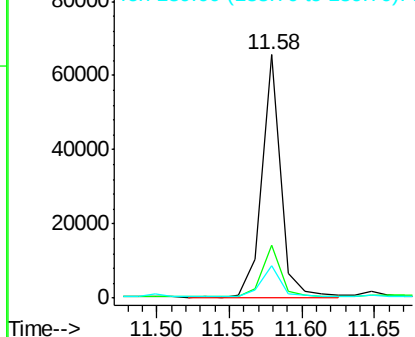


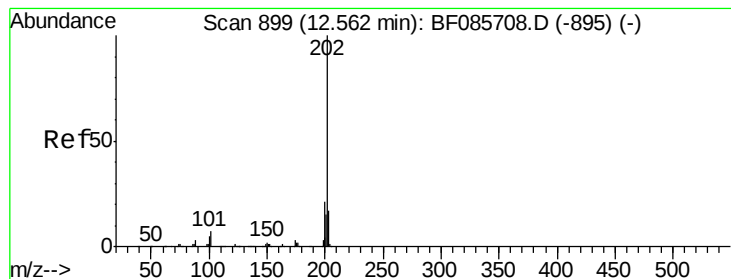
#72
 Carbazole
 Concen: 5.06 ng
 RT: 11.58 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF085765.D
 Acq: 25 Mar 2016 16:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.8	26.8
139	13.3	11.6	17.4



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 24.57 ng

RT: 12.55 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF085765.D

Acq: 25 Mar 2016 16:54

Instrument :

BNA_F

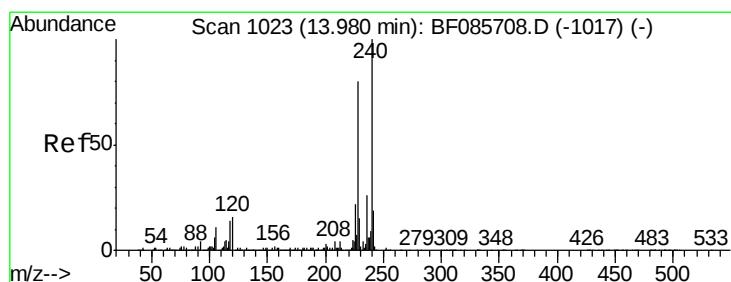
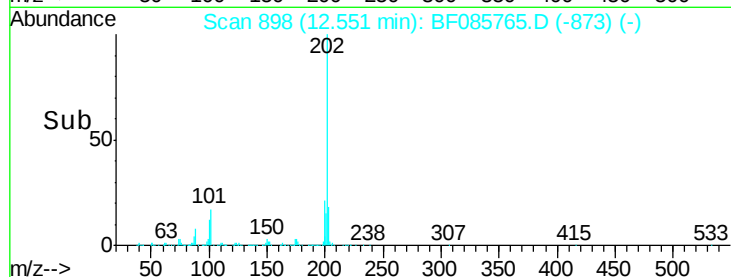
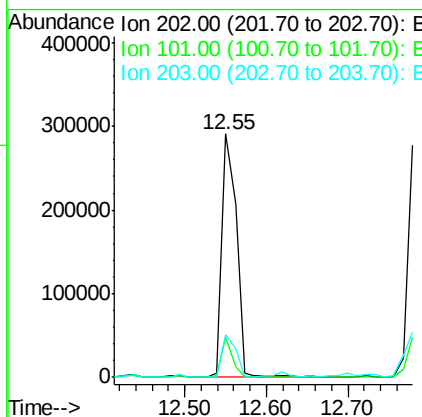
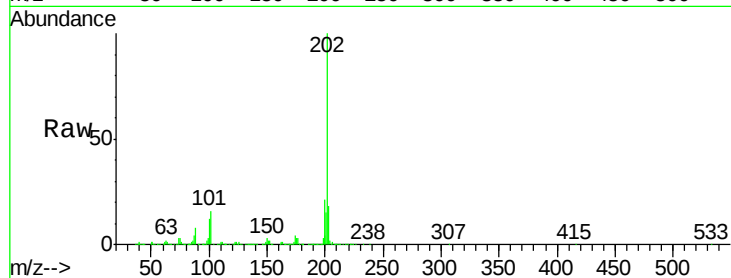
ClientSampleId :

SB-04(3-5)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		351039		
101	16.5	0.0	36.6		
203	17.8	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

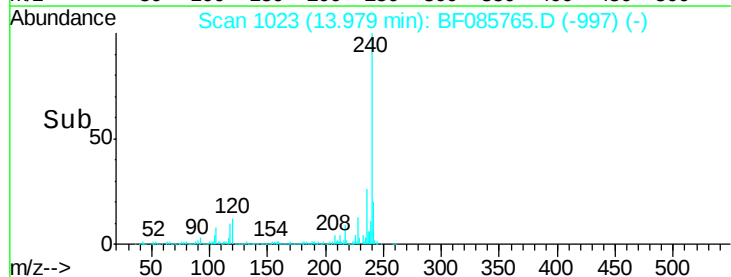
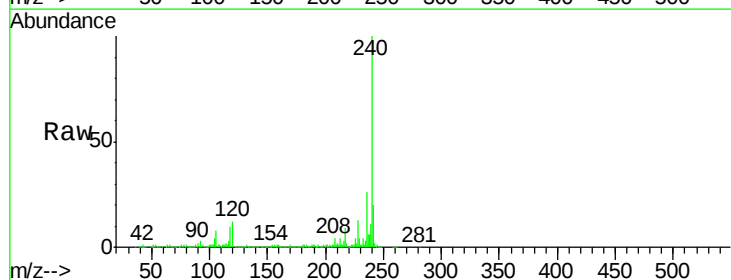
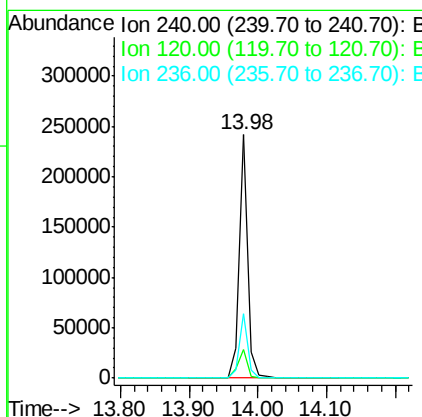
RT: 13.98 min Scan# 1023

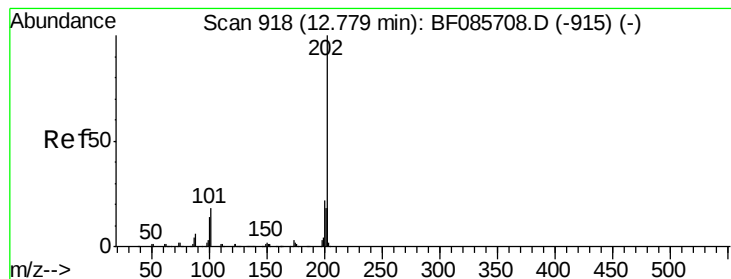
Delta R.T. -0.00 min

Lab File: BF085765.D

Acq: 25 Mar 2016 16:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		211842		
120	11.6	13.8	20.8#		
236	26.3	20.6	30.8		





#77

Pvrene

Concen: 18.47 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085765.D

Acq: 25 Mar 2016 16:54

Instrument :

BNA_F

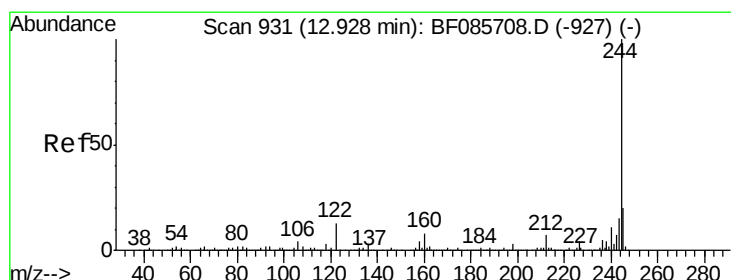
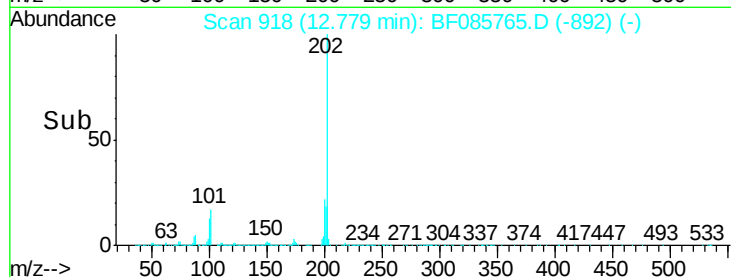
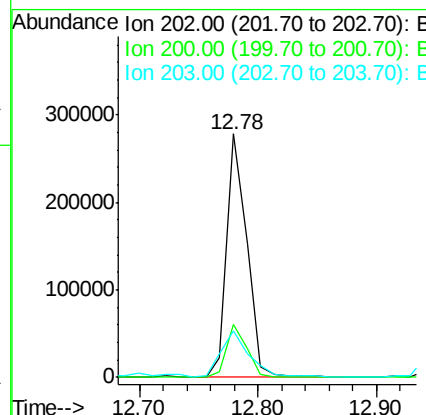
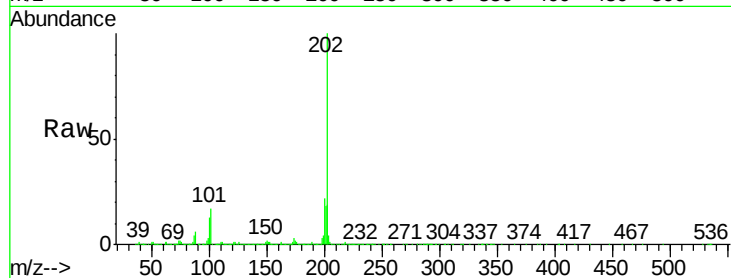
ClientSampleId :

SB-04(3-5)DL

Tot Ion:	202	Resp:	321547
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.6	26.4
203	19.3	14.0	21.0

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#78

Terphenyl-d14

Concen: 5.94 ng

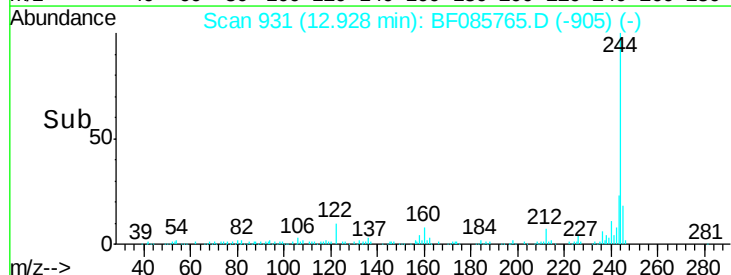
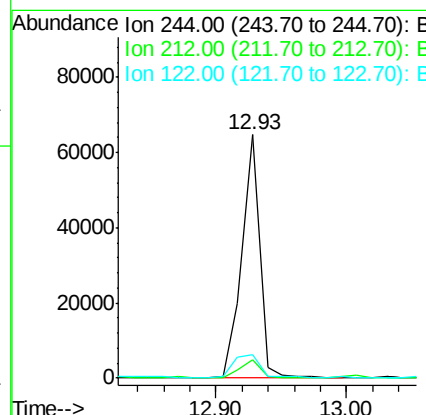
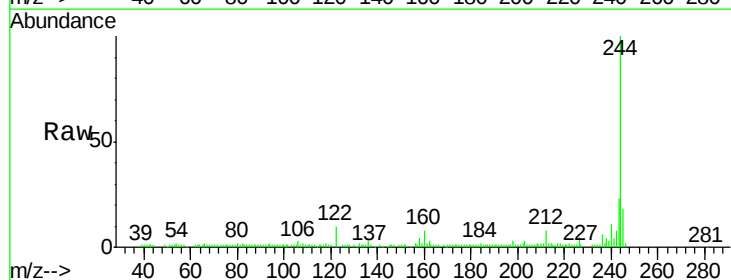
RT: 12.93 min Scan# 931

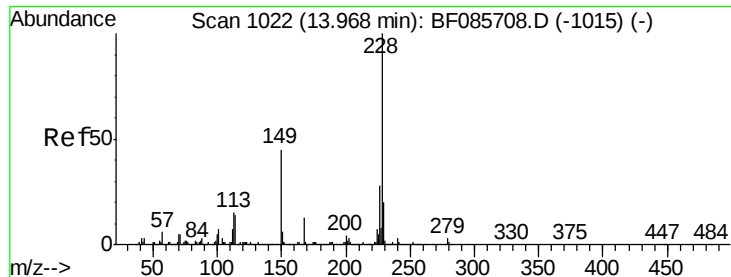
Delta R.T. -0.00 min

Lab File: BF085765.D

Acq: 25 Mar 2016 16:54

Tgt Ion:	244	Resp:	61206
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.1	9.1
122	9.7	10.2	15.4#





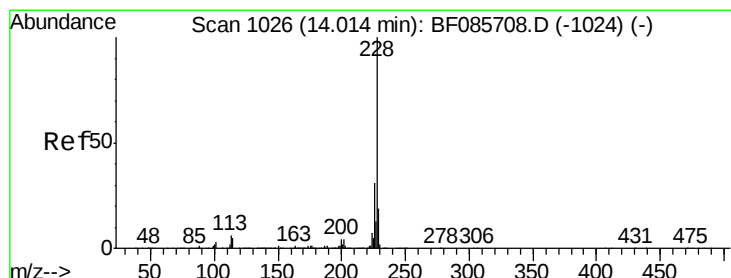
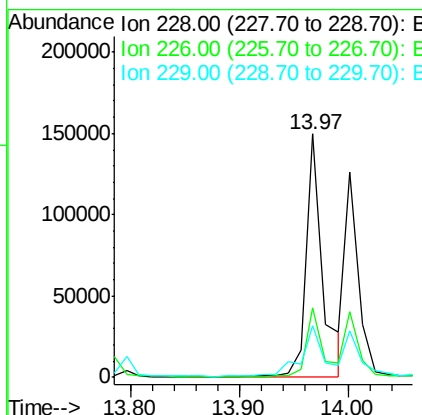
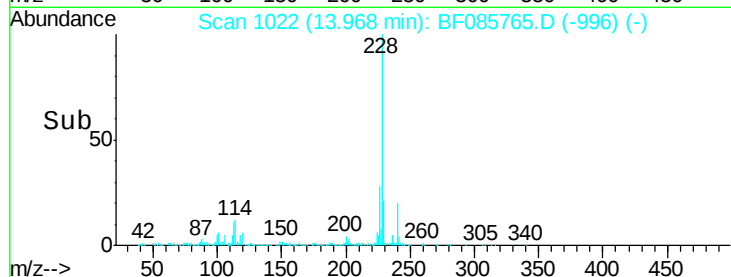
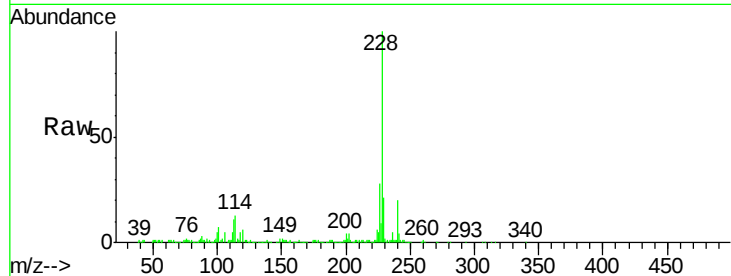
#80
Benzo(a)anthracene
Concen: 13.02 ng
RT: 13.97 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Instrument :
BNA_F
ClientSampleId :
SB-04(3-5)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.1	33.1
229	21.3	16.2	24.4

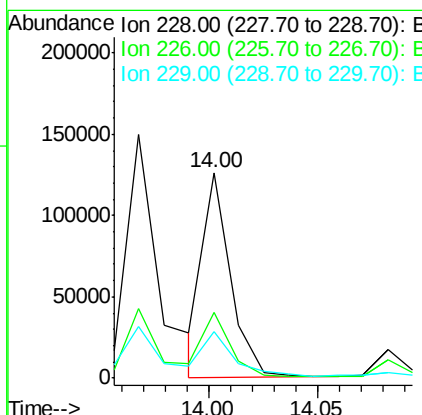
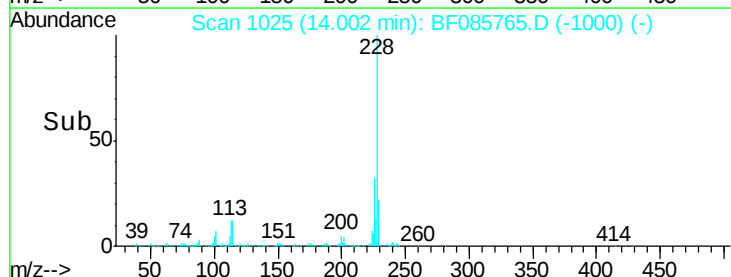
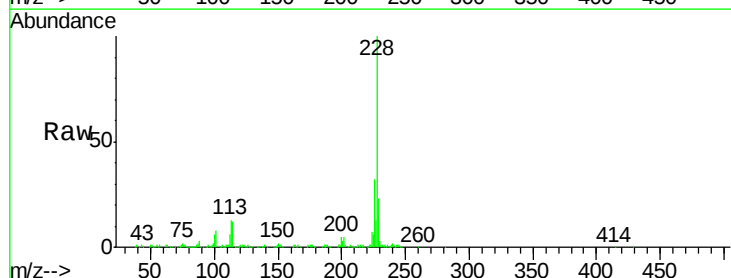
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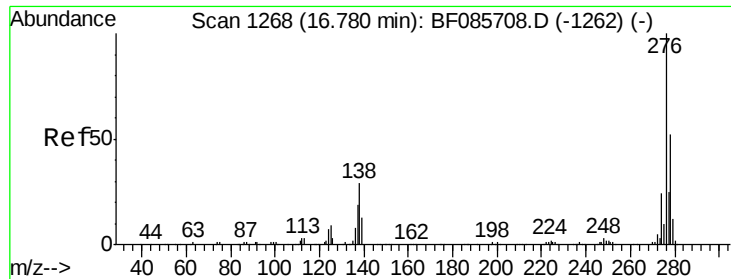
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#82
Chrysene
Concen: 9.19 ng
RT: 14.00 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	22.9	15.7	23.5





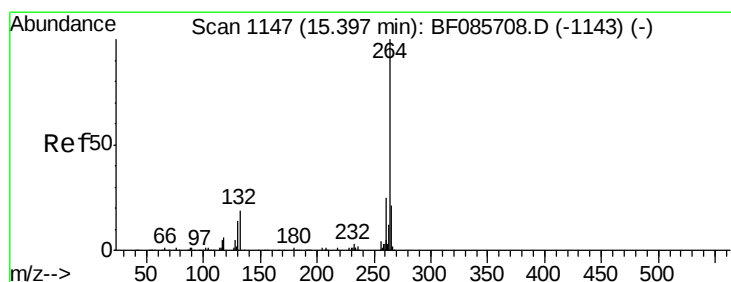
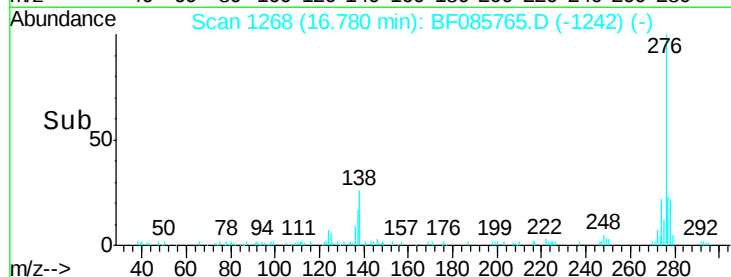
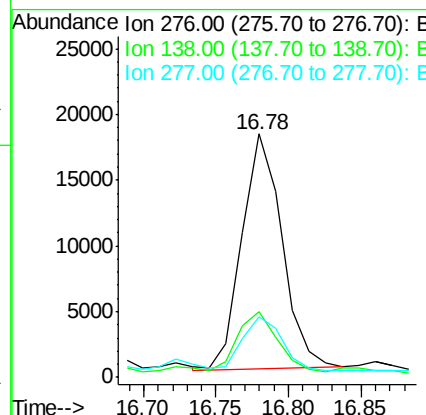
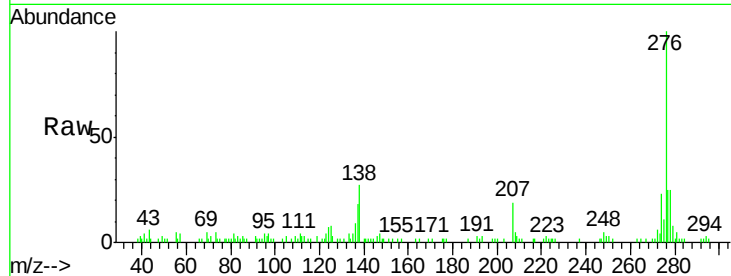
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.67 ng
RT: 16.78 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Instrument :
BNA_F
ClientSampleID :
SB-04(3-5)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.5	24.2	36.4
277	23.2	20.0	30.0

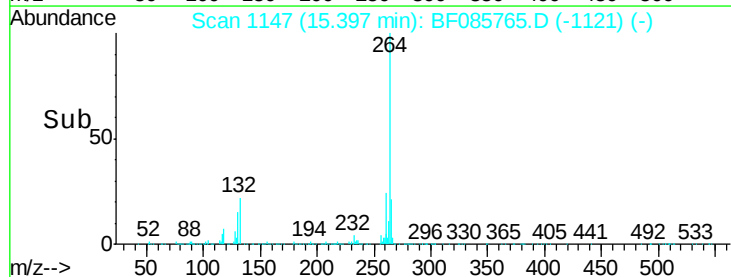
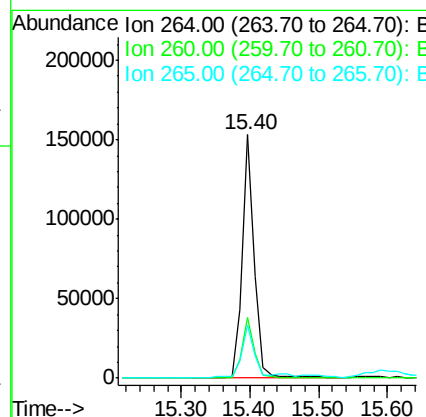
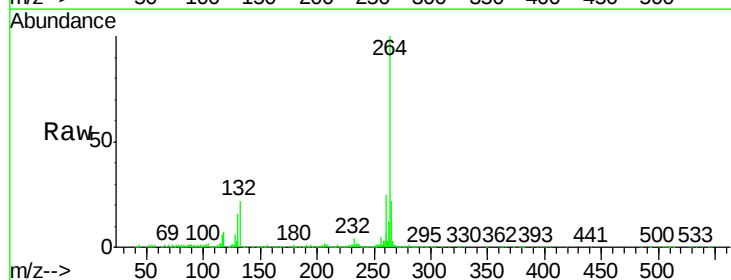
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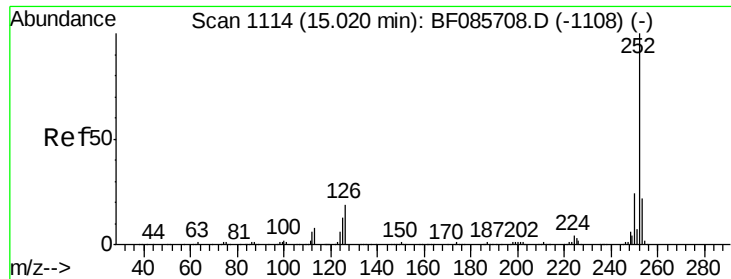
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	21.5	17.2	25.8





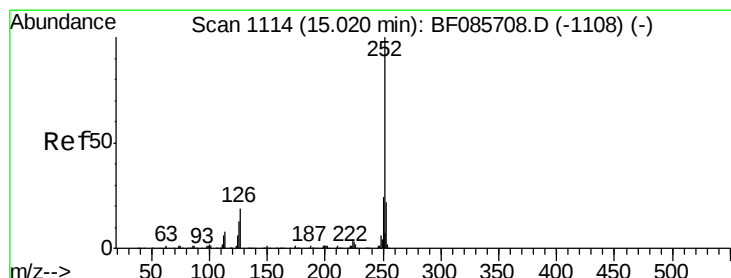
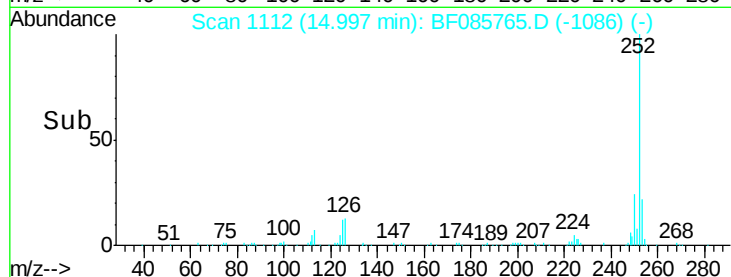
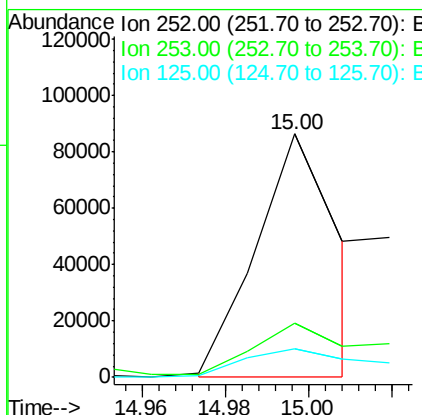
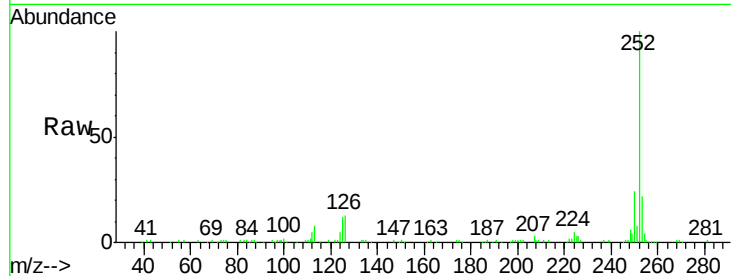
#87
Benzo(b)fluoranthene
Concen: 9.78 ng m
RT: 15.00 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Instrument :
BNA_F
ClientSampleId :
SB-04(3-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	11.9	10.3	15.5

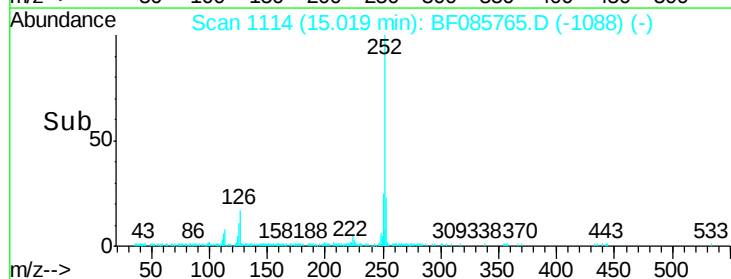
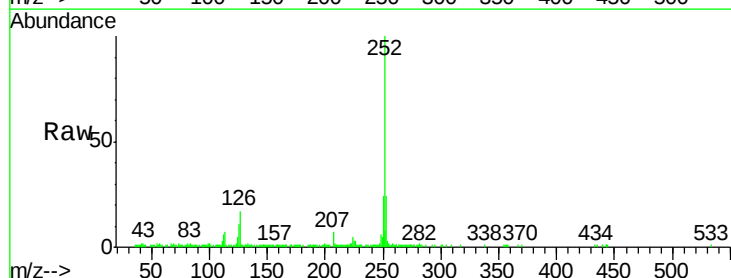
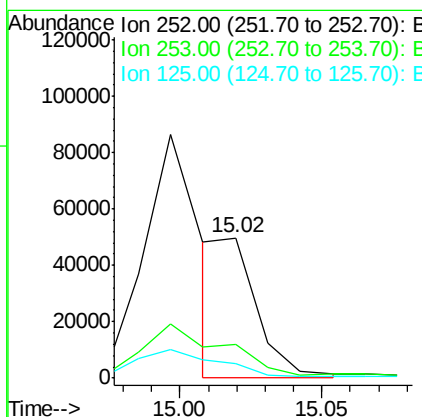
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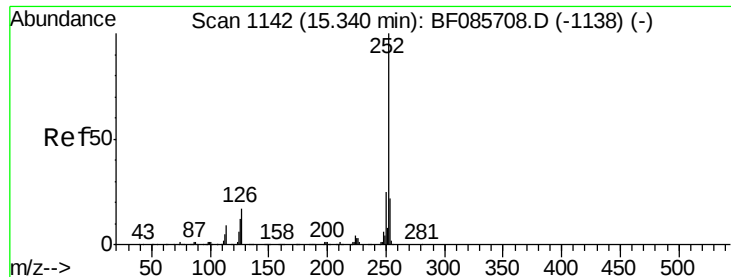
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#88
Benzo(k)fluoranthene
Concen: 4.19 ng m
RT: 15.02 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	10.5	7.7	11.5





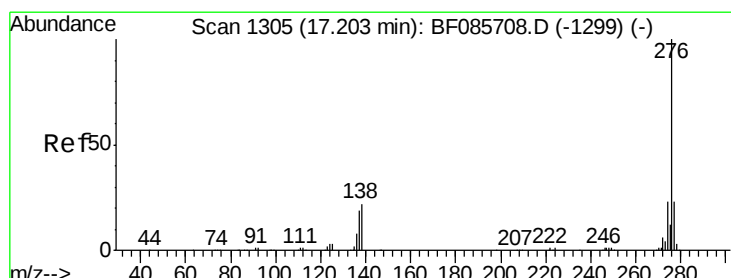
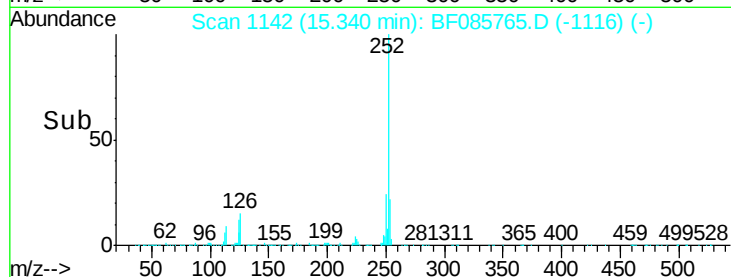
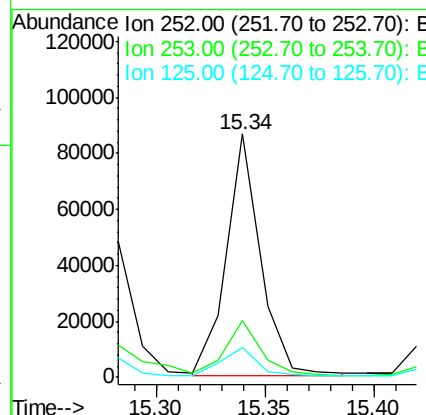
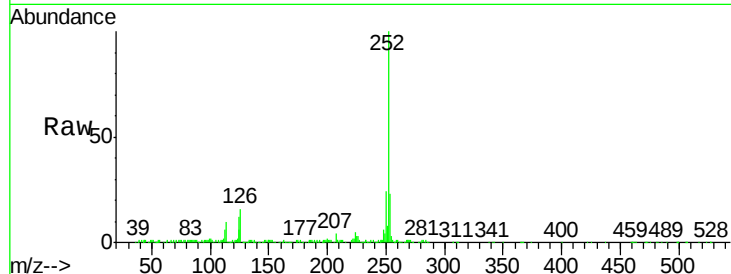
#89
Benzo(a)pyrene
Concen: 8.82 ng
RT: 15.34 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Instrument :
BNA_F
ClientSampleId :
SB-04(3-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	12.3	10.3	15.5

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.51 ng
RT: 17.20 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF085765.D
Acq: 25 Mar 2016 16:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.8	28.2
138	24.4	22.6	34.0

