

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087068.D
 Acq On : 15 May 2016 14:30
 Operator : UM/SJ
 Sample : H2968-07 2X
 Misc :
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUPB

Manual Integrations
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Quant Time: May 16 07:12:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 16 05:03:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	65181	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	263173	20.00	ng	-0.01
38) Acenaphthene-d10	9.64	164	109422	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	177696	20.00	ng	0.00
75) Chrysene-d12	13.76	240	176513	20.00	ng	0.00
86) Perylene-d12	15.12	264	164877	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	350667	91.11	ng	0.00
7) Phenol-d6	6.28	99	444639	86.44	ng	0.00
23) Nitrobenzene-d5	7.19	82	288578	55.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.43	330	75111	64.84	ng	-0.01
44) 2-Fluorobiphenyl	8.98	172	467921	71.87	ng	0.00
78) Terphenyl-d14	12.71	244	336314	40.43	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.51	152	27957	2.79	ng	98
49) Dimethylphthalate	9.38	163	39389	4.72	ng	100
70) Phenanthrene	11.15	178	90766	9.57	ng	98
71) Anthracene	11.20	178	53378	5.50	ng	99
74) Fluoranthene	12.33	202	373133	38.26	ng	96
77) Pyrene	12.56	202	327382	24.23	ng	99
80) Benzo(a)anthracene	13.75	228	211220m	21.32	ng	
82) Chrysene	13.78	228	169868m	16.85	ng	
85) Indeno(1,2,3-cd)pyrene	16.38	276	66970	7.99	ng	# 88
87) Benzo(b)fluoranthene	14.75	252	206870m	19.31	ng	
88) Benzo(k)fluoranthene	14.78	252	74701m	8.51	ng	
89) Benzo(a)pyrene	15.07	252	138138	14.95	ng	# 92
91) Benzo(g,h,i)perylene	16.75	276	54859	6.93	ng	# 94

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

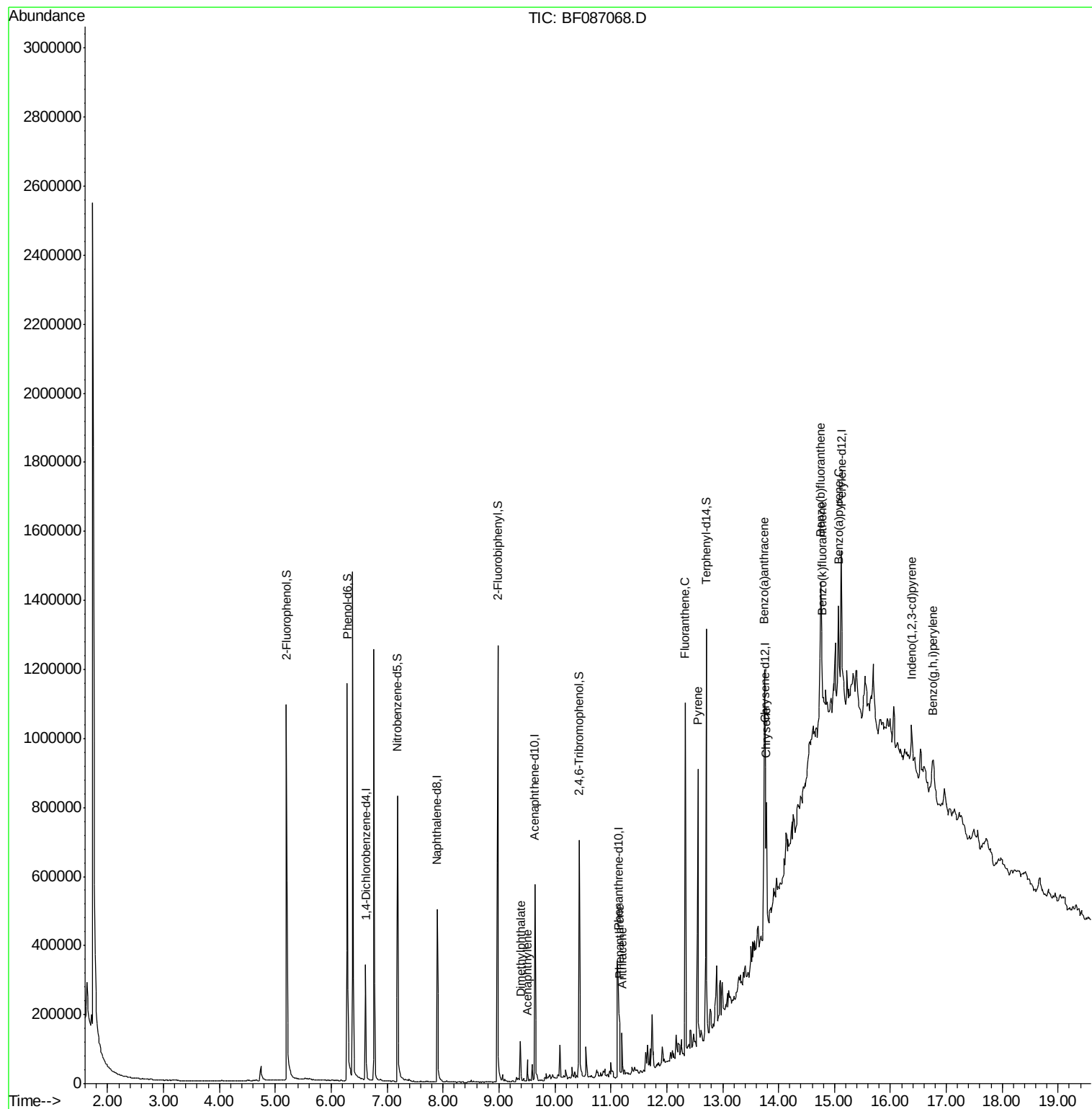
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
Data File : BF087068.D
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ALS Vial : 87 Sample Multiplier: 1

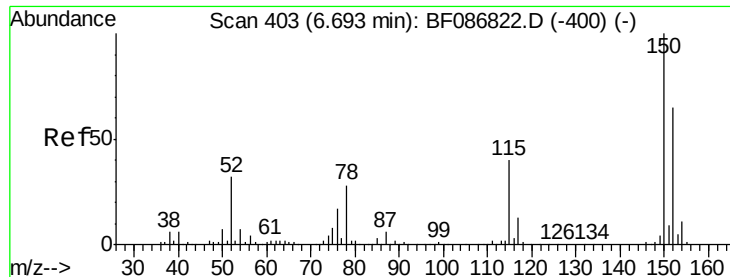
Instrument :
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Quant Time: May 16 07:12:37 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 16 05:03:47 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.00 min

Lab File: BF087068.D

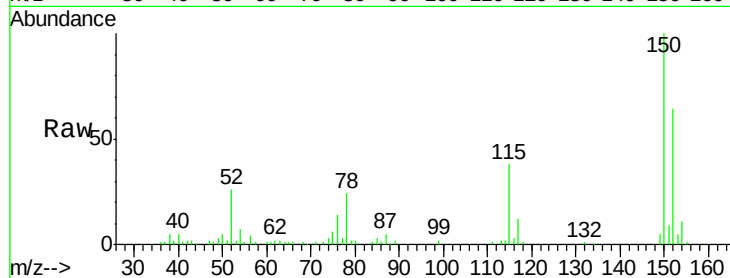
Acq: 15 May 2016 14:30

Instrument :

BNA_F

ClientSampleId :

DUPB



Tgt Ion:152 Resp: 65181

Ion Ratio Lower Upper

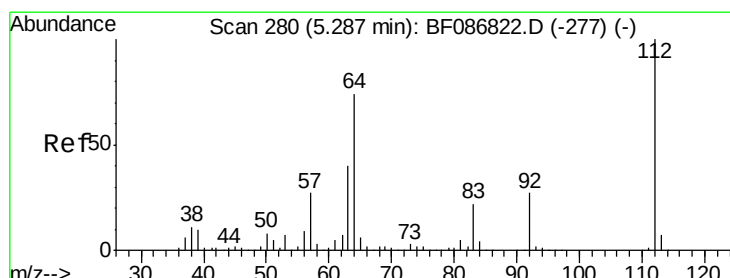
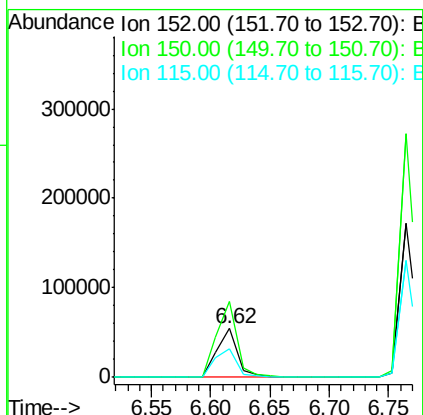
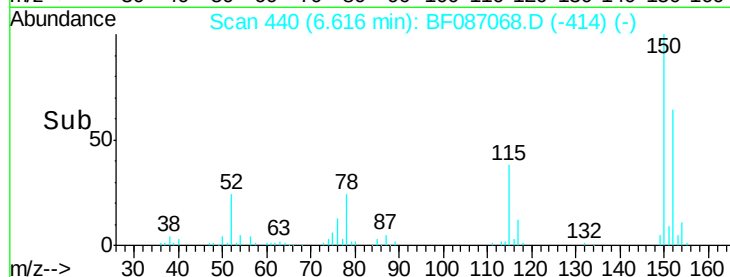
152 100

150 155.5 125.8 188.6

115 58.5 51.5 77.3

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#5

2-Fluorophenol

Concen: 91.11 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.00 min

Lab File: BF087068.D

Acq: 15 May 2016 14:30

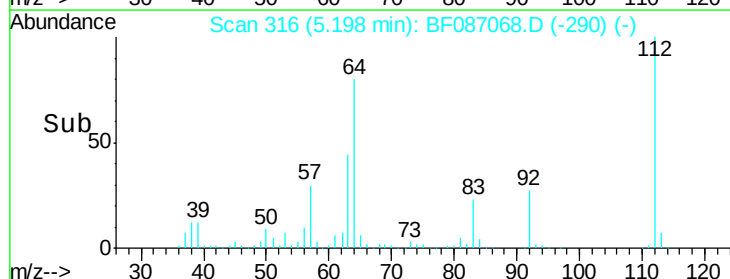
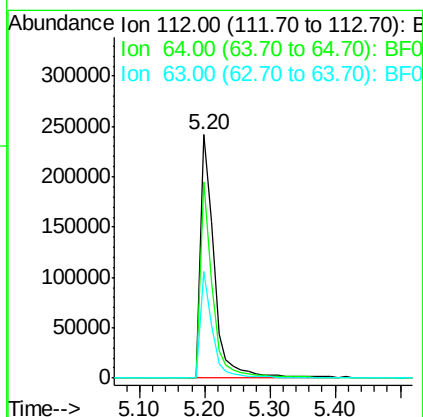
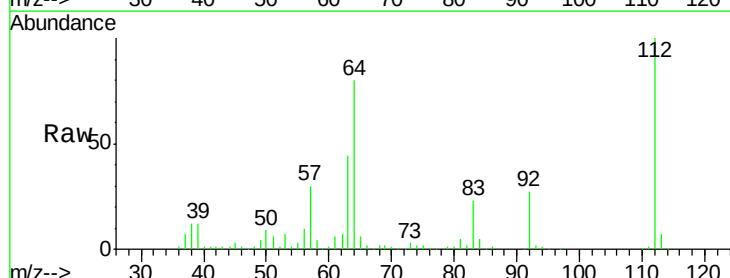
Tgt Ion:112 Resp: 350667

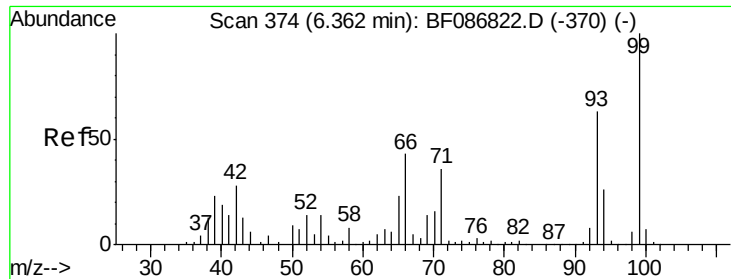
Ion Ratio Lower Upper

112 100

64 80.4 52.1 78.1#

63 43.7 25.7 38.5#





#7

Phenol-d6

Concen: 86.44 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF087068.D

Acq: 15 May 2016 14:30

Instrument :

BNA_F

ClientSampled :

DUPB

Tgt Ion: 99 Resp: 444639

Ion Ratio Lower Upper

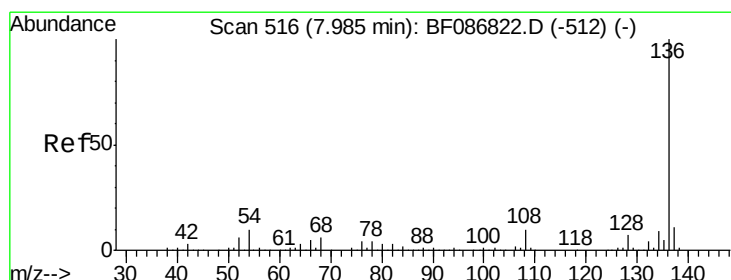
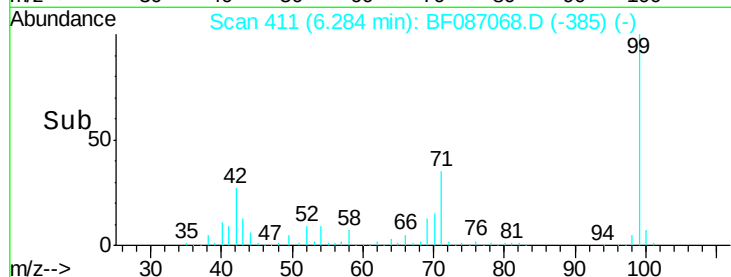
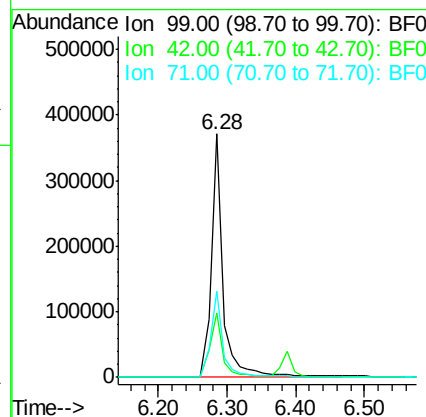
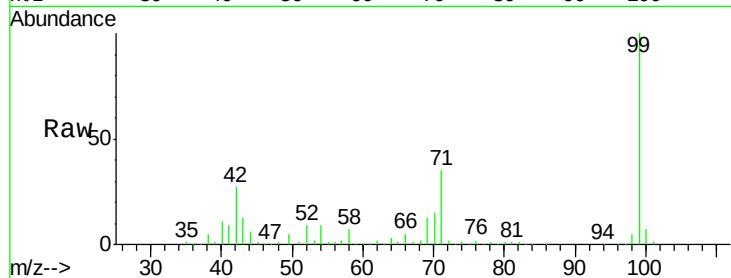
99 100

42 26.6 13.6 20.4#

71 35.4 24.6 36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF087068.D

Acq: 15 May 2016 14:30

Tgt Ion: 136 Resp: 263173

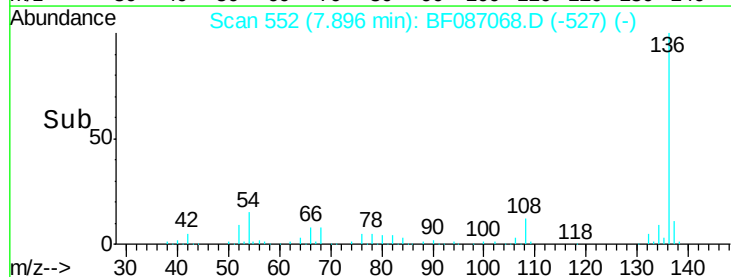
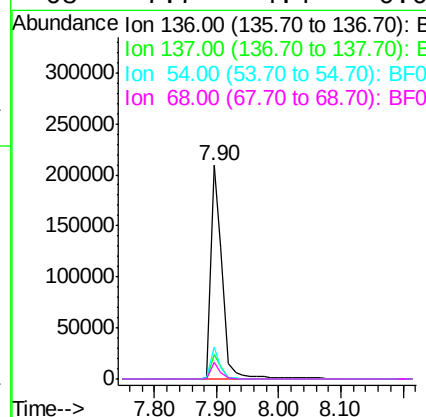
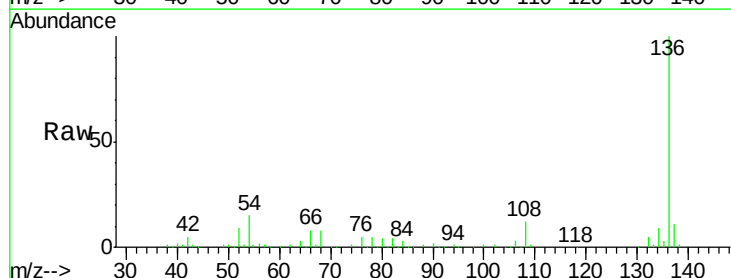
Ion Ratio Lower Upper

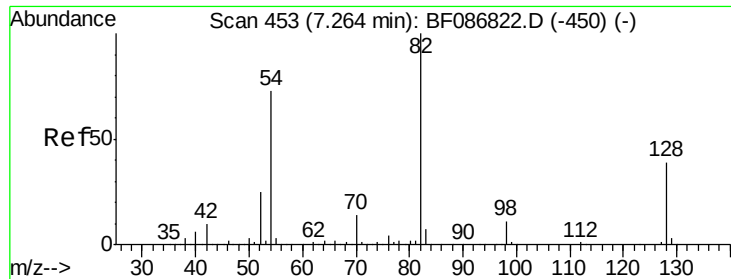
136 100

137 11.3 8.8 13.2

54 15.3 5.0 7.4#

68 7.7 4.4 6.6#





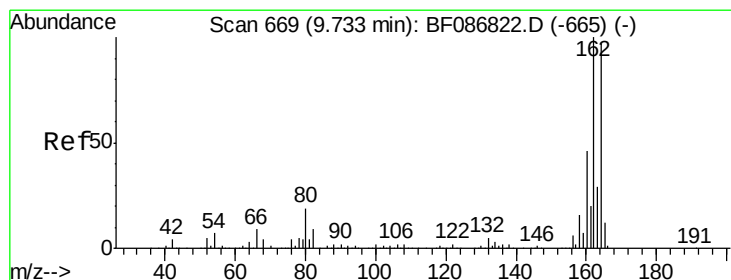
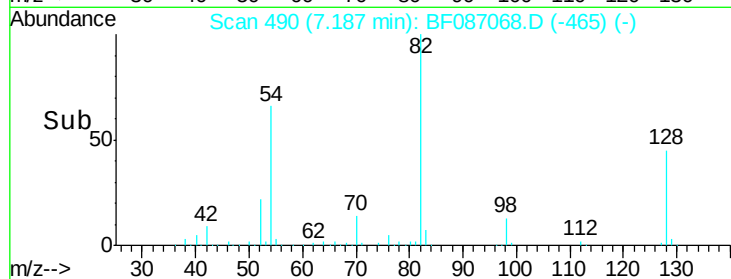
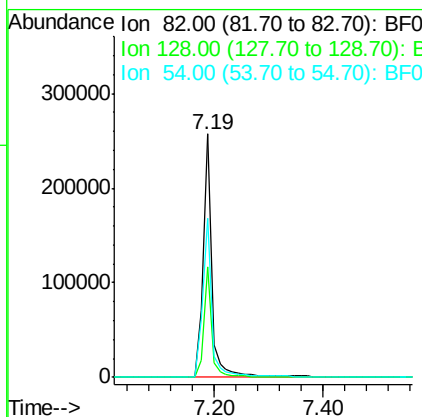
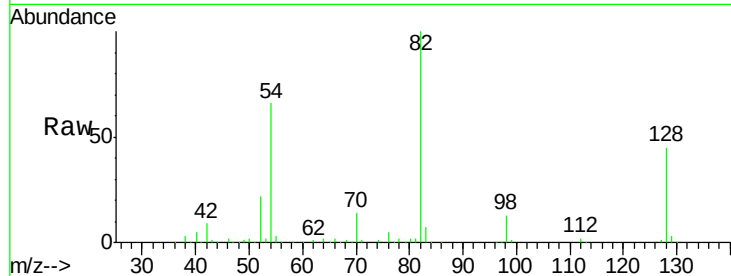
#23
 Nitrobenzene-d5
 Concen: 55.06 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF087068.D
 Acq: 15 May 2016 14:30

Instrument :
 BNA_F
 ClientSampleId :
 DUPB

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	45.3	40.6	61.0
54	65.5	38.1	57.1

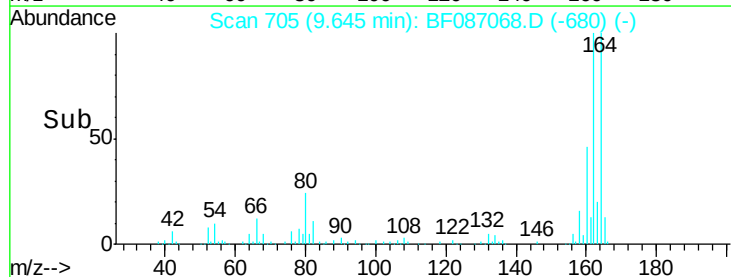
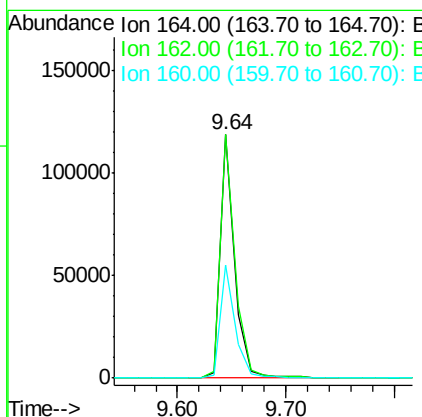
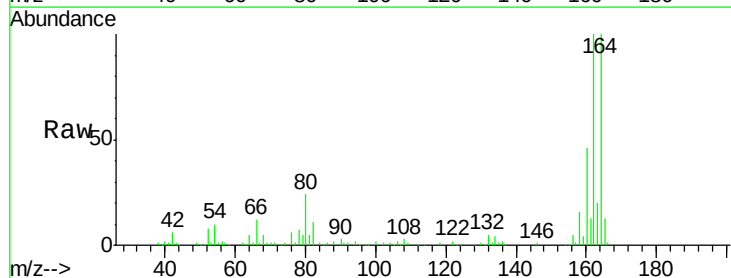
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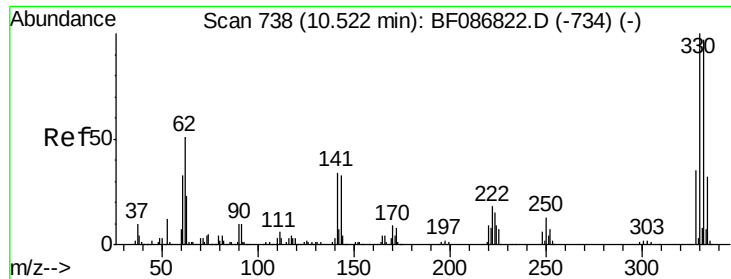
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: BF087068.D
 Acq: 15 May 2016 14:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	100.0	82.8	124.2
160	46.3	36.9	55.3





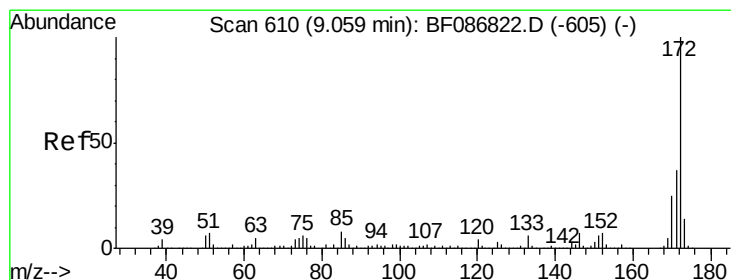
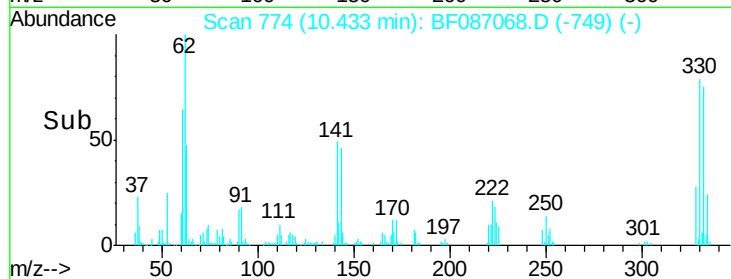
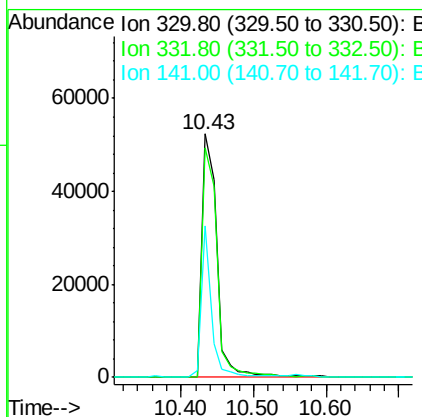
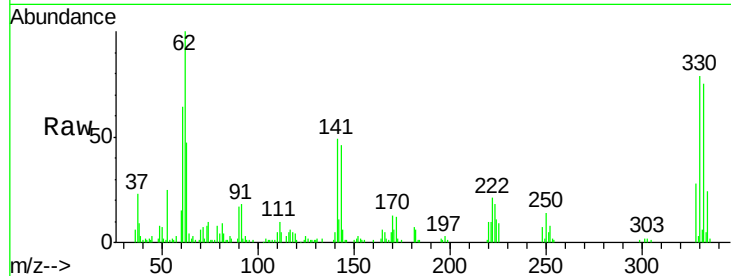
#41
 2,4,6-Tribromophenol
 Concen: 64.84 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BF087068.D
 Acq: 15 May 2016 14:30

Instrument :
 BNA_F
 ClientSampled :
 DUPB

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	75111		
332	94.5	79.0	118.4	
141	42.6	31.2	46.8	

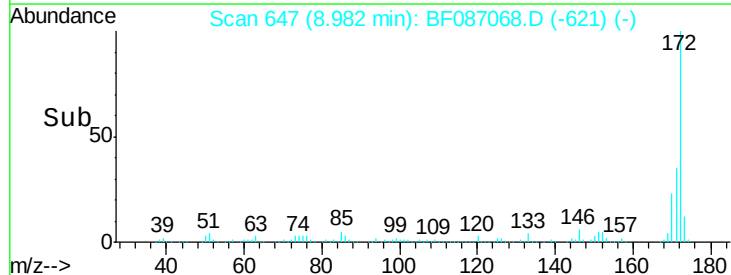
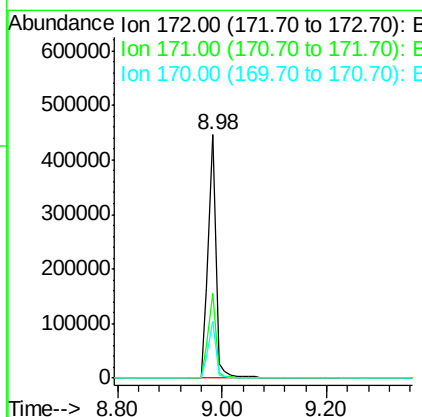
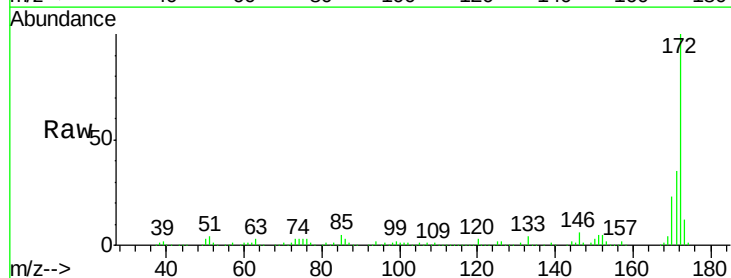
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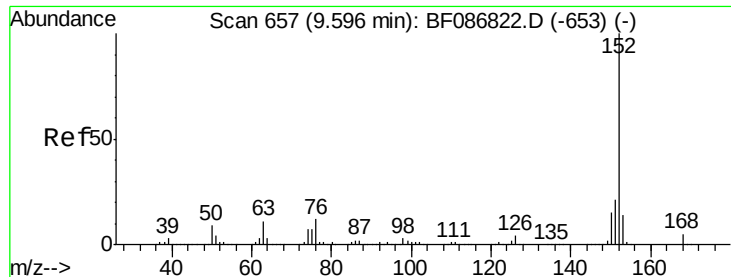
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#44
 2-Fluorobiphenyl
 Concen: 71.87 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.00 min
 Lab File: BF087068.D
 Acq: 15 May 2016 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	467921		
171	34.8	29.0	43.6	
170	23.4	19.8	29.8	





#48

Acenaphthylene

Concen: 2.79 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF087068.D

Acq: 15 May 2016 14:30

Instrument :

BNA_F

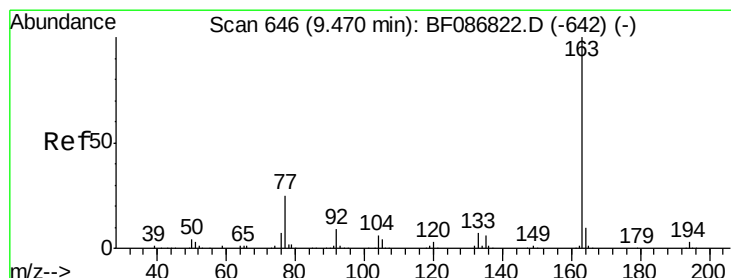
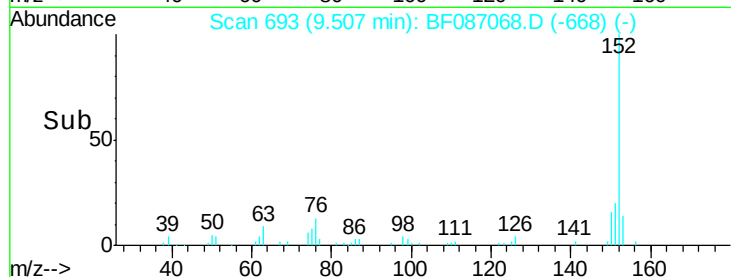
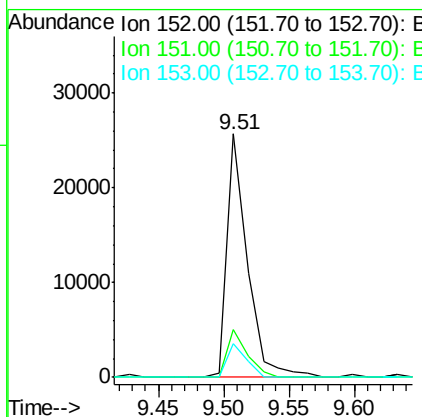
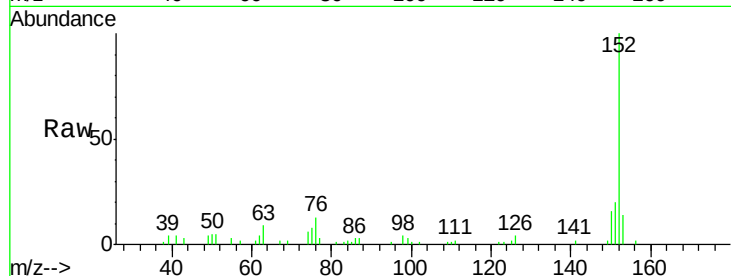
ClientSampleId :

DUPB

Tgt Ion:	152	Resp:	27957
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.8	25.2
153	14.1	10.9	16.3

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#49

Dimethylphthalate

Concen: 4.72 ng

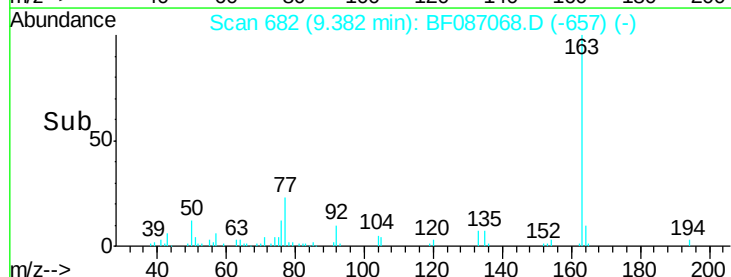
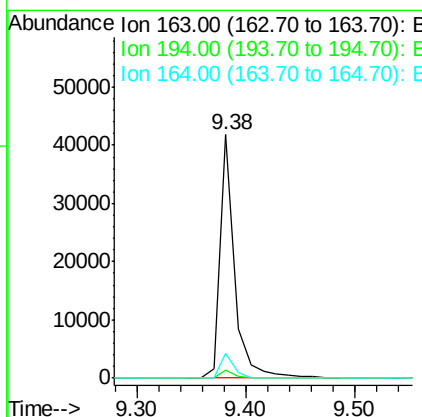
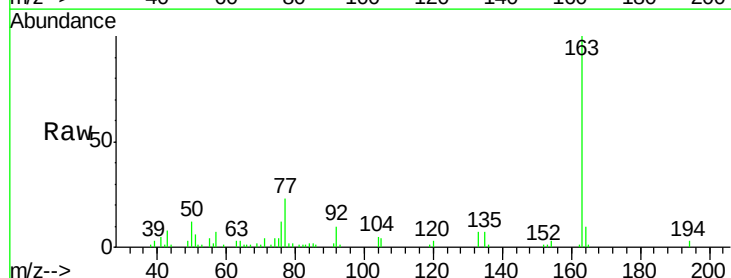
RT: 9.38 min Scan# 682

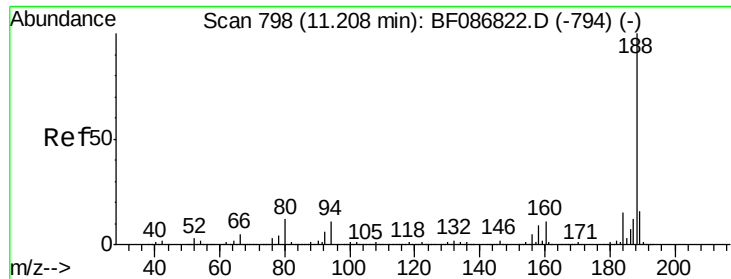
Delta R.T. -0.01 min

Lab File: BF087068.D

Acq: 15 May 2016 14:30

Tgt Ion:	163	Resp:	39389
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.6	4.0
164	10.2	8.2	12.4





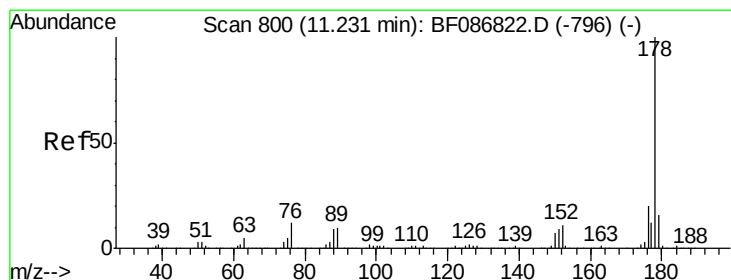
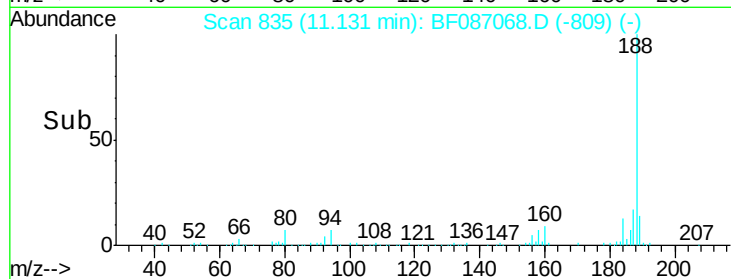
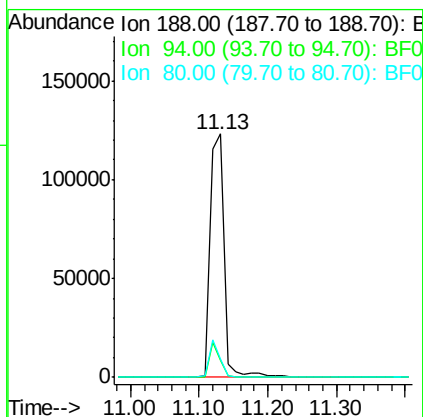
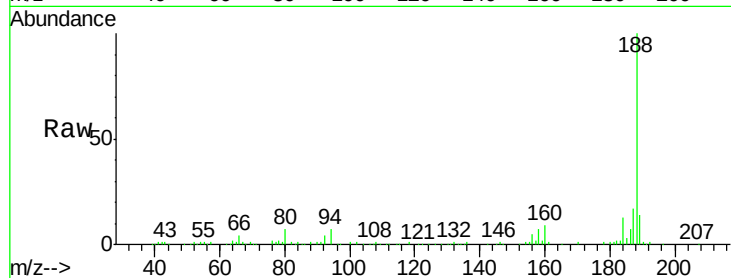
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.00 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.8	6.8	10.2
80	7.5	7.1	10.7

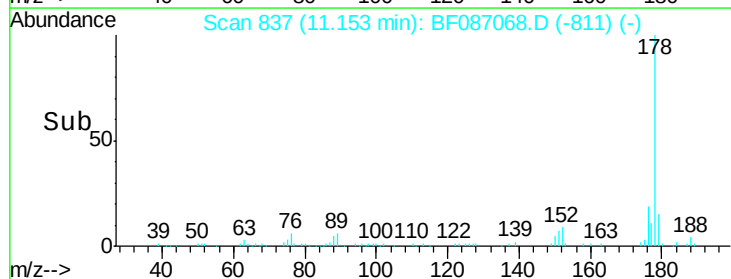
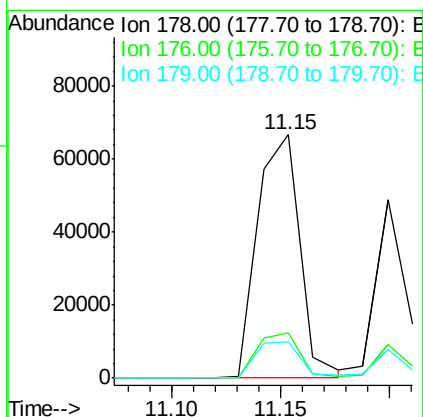
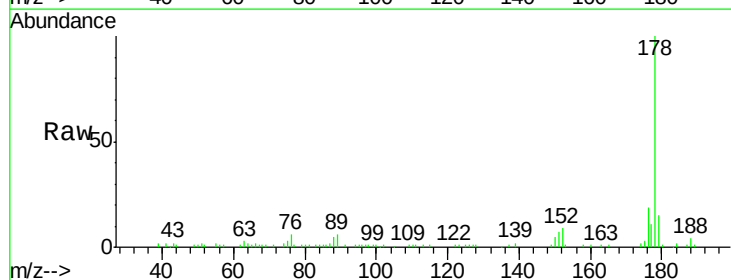
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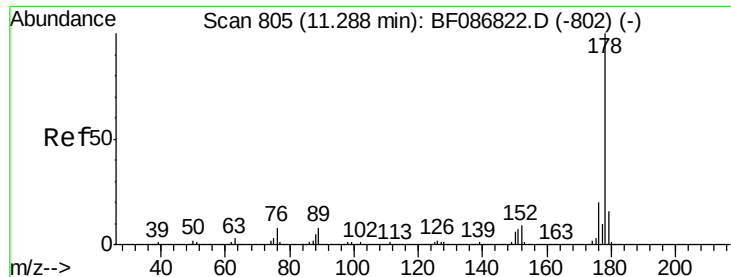
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#70
Phenanthrene
Concen: 9.57 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.00 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	16.0	24.0
179	15.0	12.6	18.8





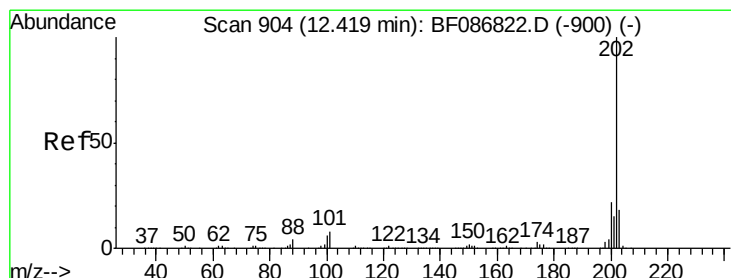
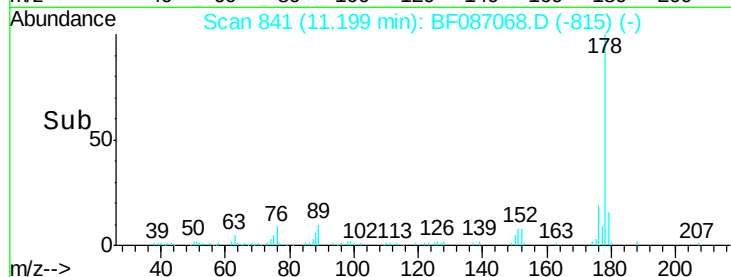
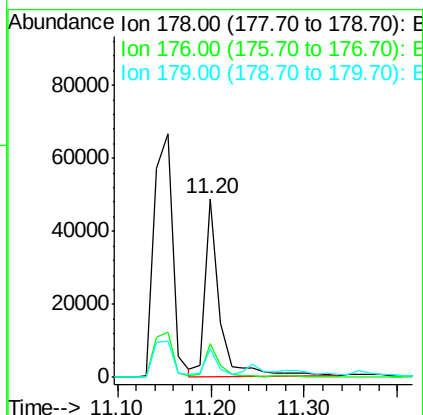
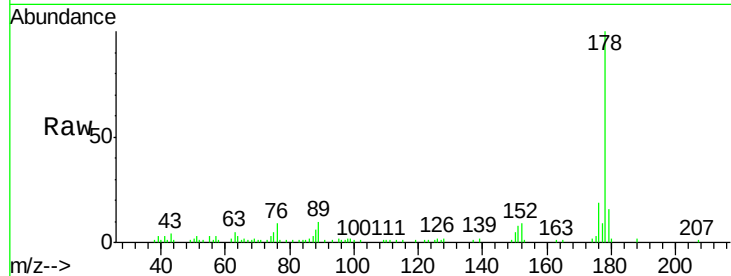
#71
 Anthracene
 Concen: 5.50 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BF087068.D
 Acq: 15 May 2016 14:30

Instrument :
 BNA_F
 ClientSampleId :
 DUPB

Tgt Ion:178 Resp: 53378
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.6 23.4
 179 16.0 12.7 19.1

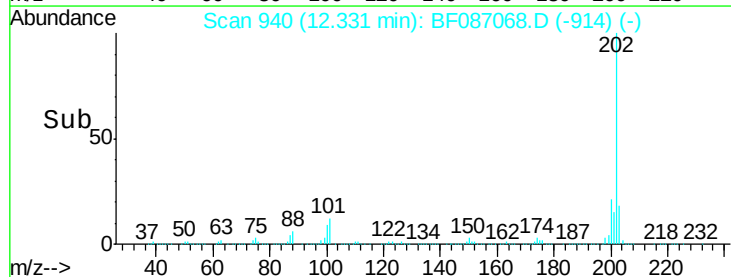
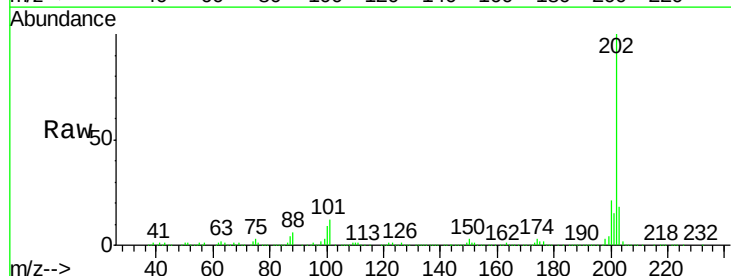
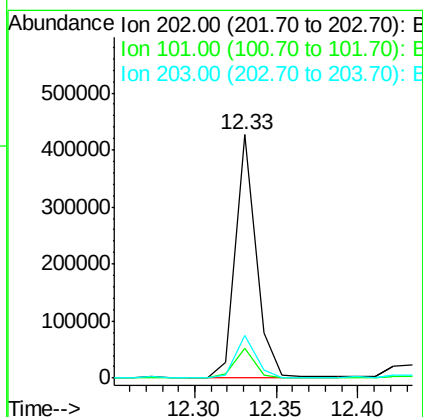
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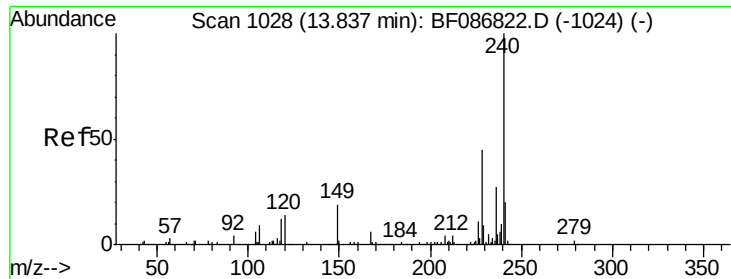
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#74
 Fluoranthene
 Concen: 38.26 ng
 RT: 12.33 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: BF087068.D
 Acq: 15 May 2016 14:30

Tgt Ion:202 Resp: 373133
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 35.4
 203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF087068.D

Acq: 15 May 2016 14:30

Instrument :

BNA_F

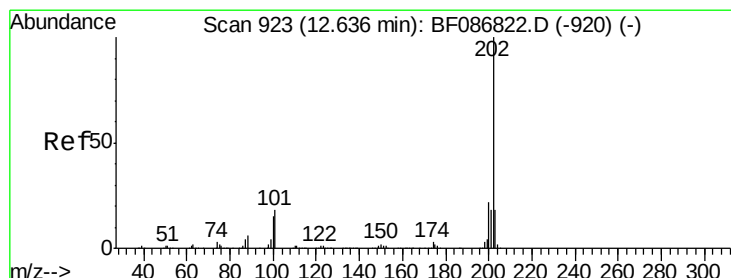
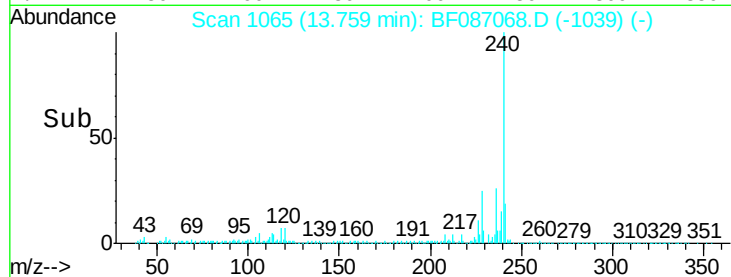
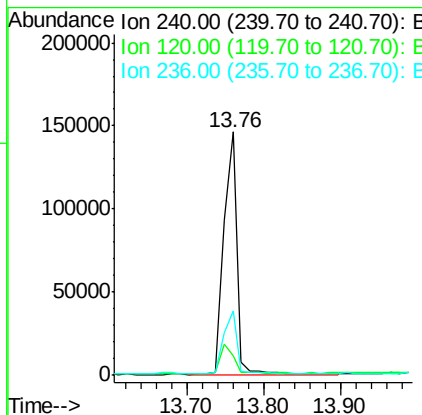
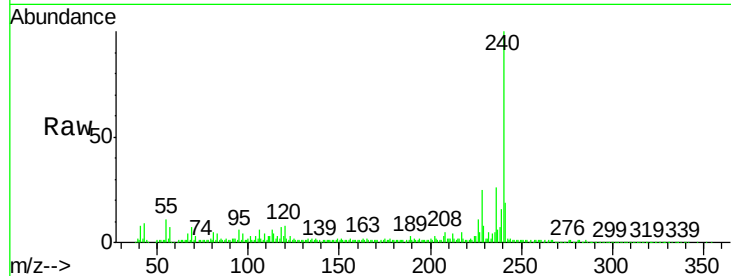
ClientSampleId :

DUPB

Tgt Ion:	240	Resp:	176513
Ion Ratio	Lower	Upper	
240	100		
120	8.0	11.2	16.8#
236	26.4	21.2	31.8

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#77

Pyrene

Concen: 24.23 ng

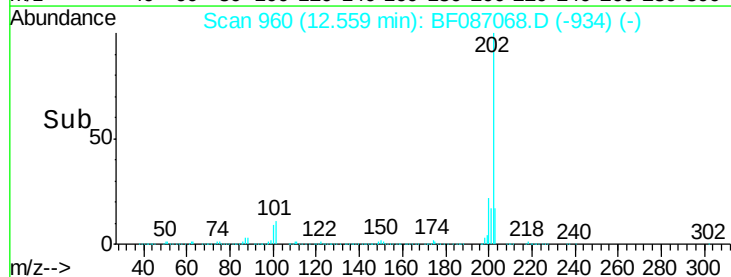
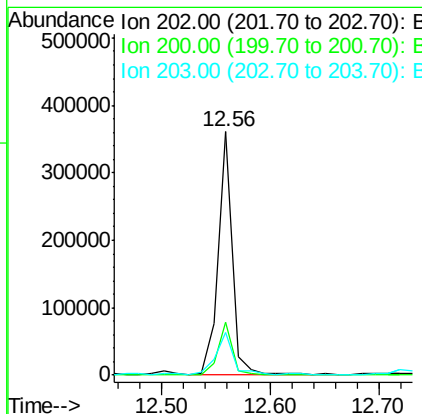
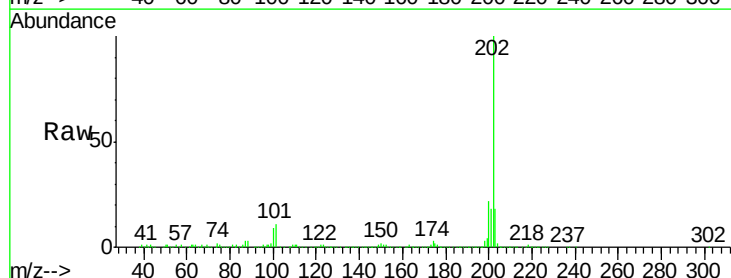
RT: 12.56 min Scan# 960

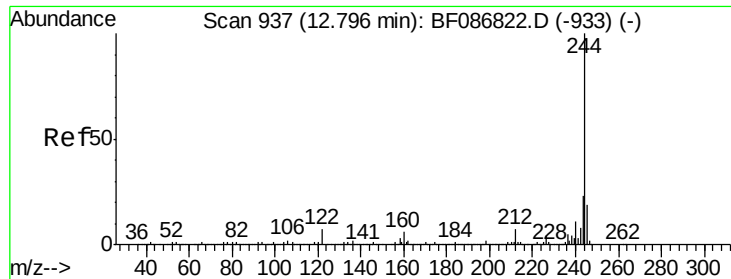
Delta R.T. -0.00 min

Lab File: BF087068.D

Acq: 15 May 2016 14:30

Tgt Ion:	202	Resp:	327382
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.7	26.5
203	17.5	14.2	21.4





#78

Terphenyl-d14

Concen: 40.43 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.00 min

Lab File: BF087068.D

Acq: 15 May 2016 14:30

Instrument :

BNA_F

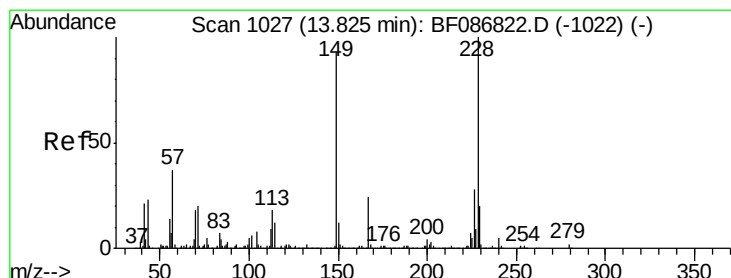
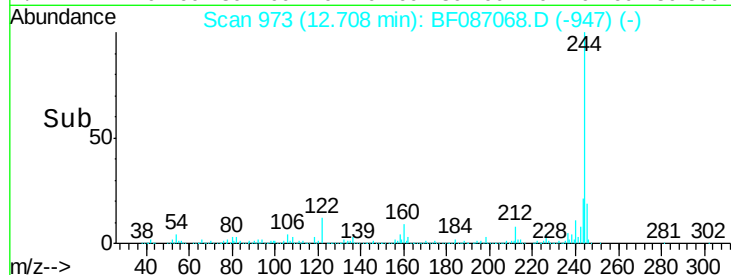
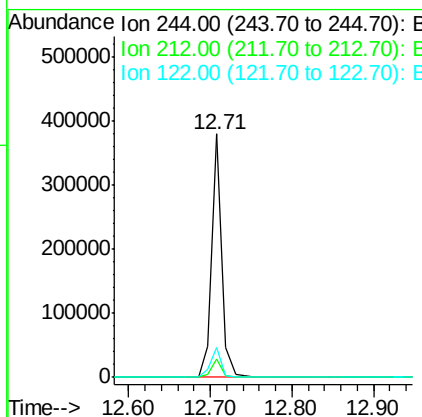
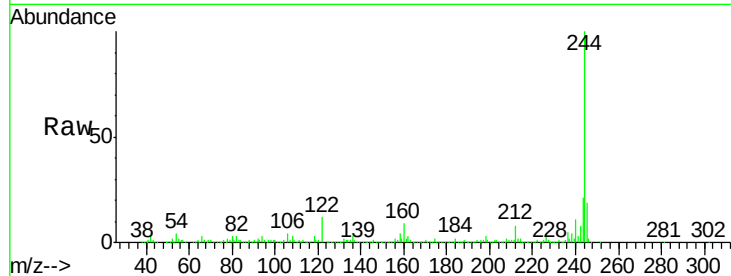
ClientSampleId :

DUPB

Tgt Ion:	244	Resp:	336314
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.2	9.2
122	12.3	12.0	18.0

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#80

Benzo(a)anthracene

Concen: 21.32 ng m

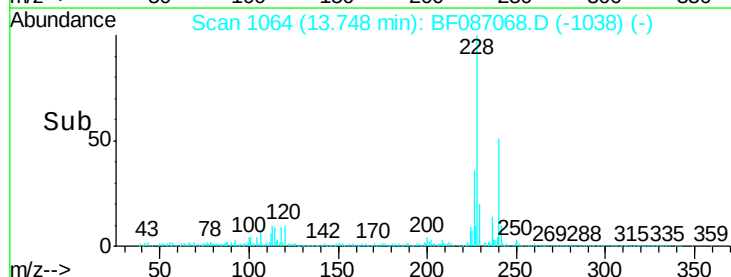
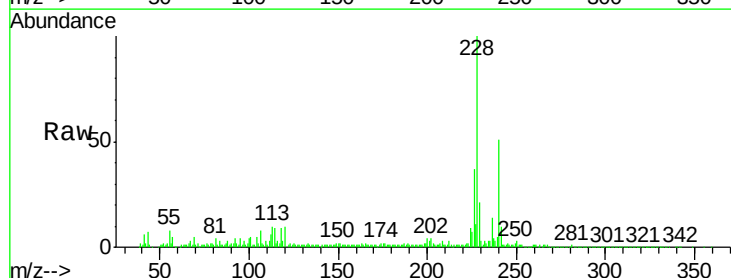
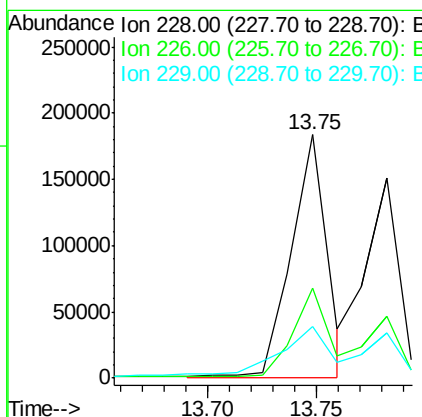
RT: 13.75 min Scan# 1064

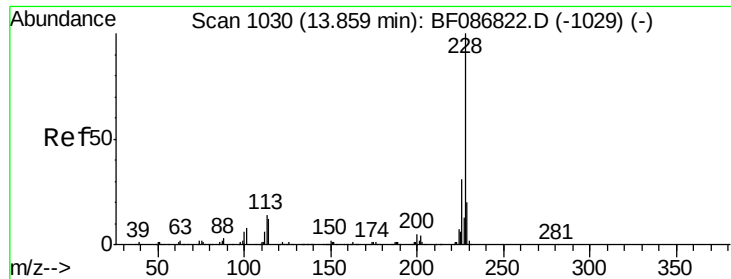
Delta R.T. -0.00 min

Lab File: BF087068.D

Acq: 15 May 2016 14:30

Tgt Ion:	228	Resp:	211220
Ion Ratio	Lower	Upper	
228	100		
226	37.2	22.5	33.7#
229	21.4	16.6	25.0





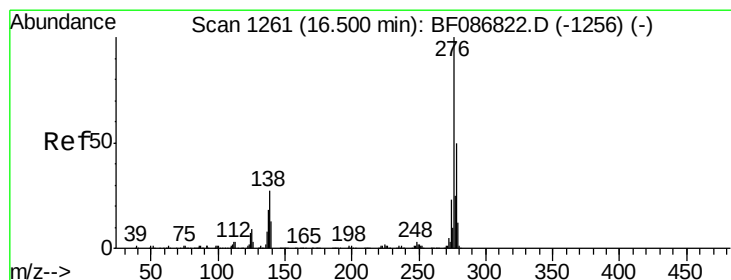
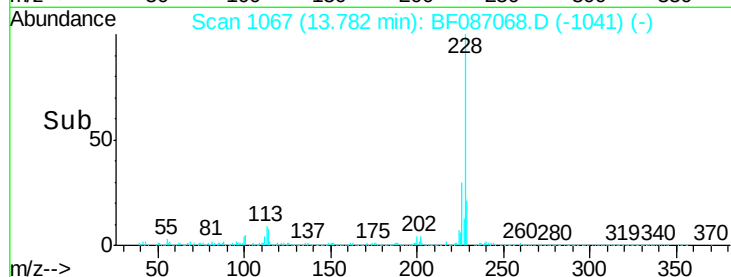
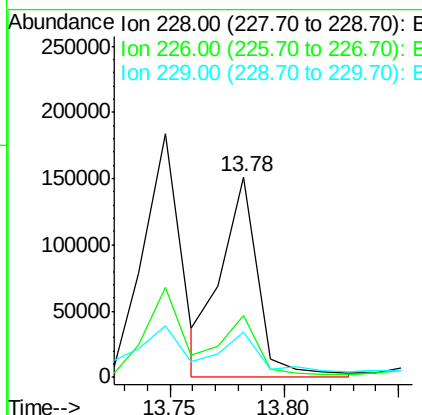
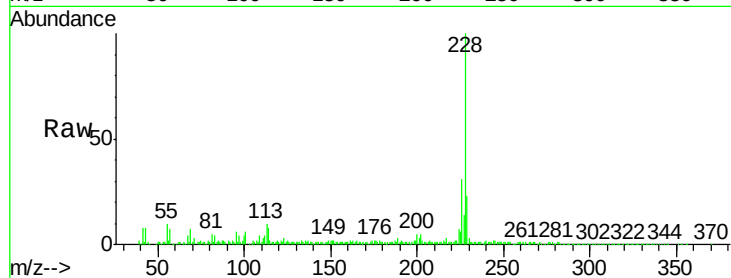
#82
Chrysene
Concen: 16.85 ng m
RT: 13.78 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampled :
DUPB

Tgt Ion:	228	Resp:	169868
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.4	36.6
229	22.9	15.8	23.8

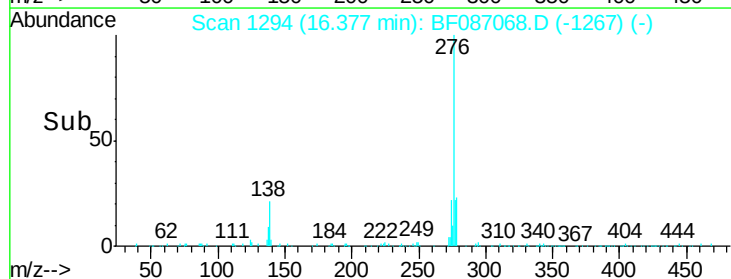
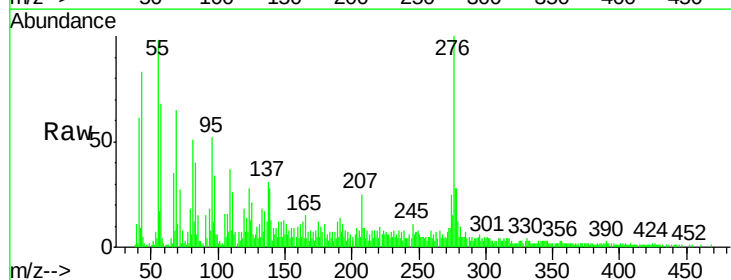
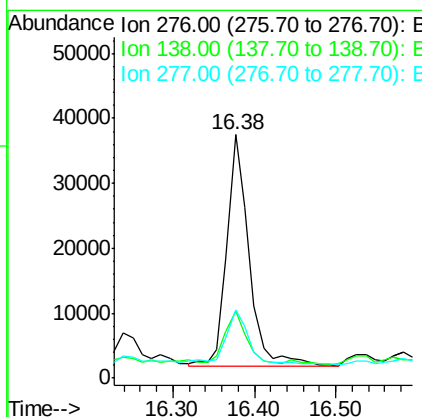
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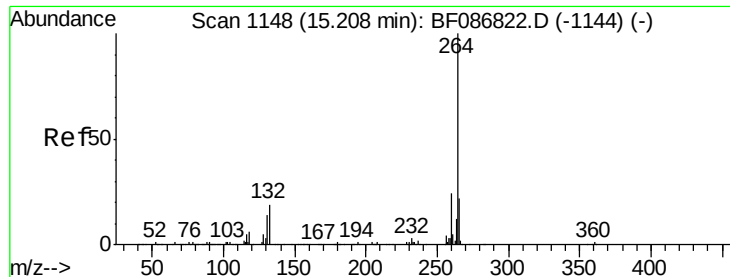
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.99 ng
RT: 16.38 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:	276	Resp:	66970
Ion Ratio	Lower	Upper	
276	100		
138	21.4	25.6	38.4#
277	23.9	20.5	30.7





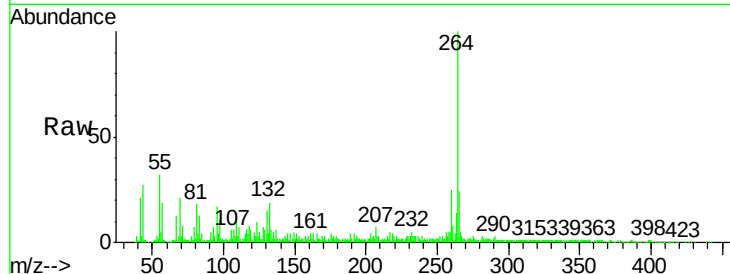
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

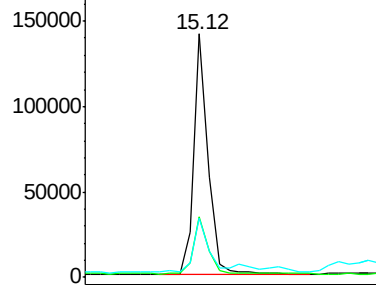
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	164877		
260	25.1	19.5	29.3	
265	24.4	17.3	25.9	

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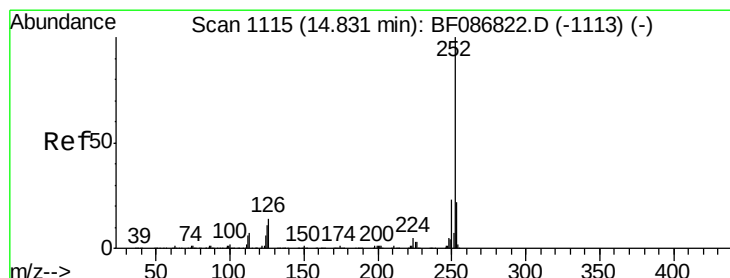
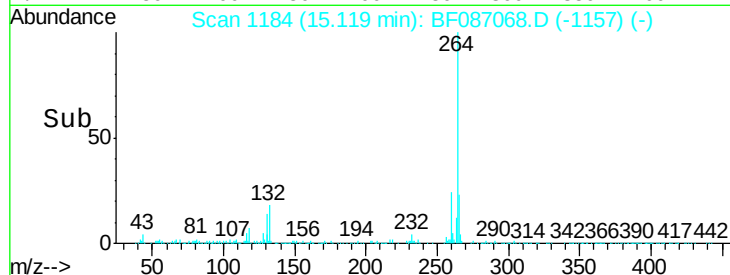
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

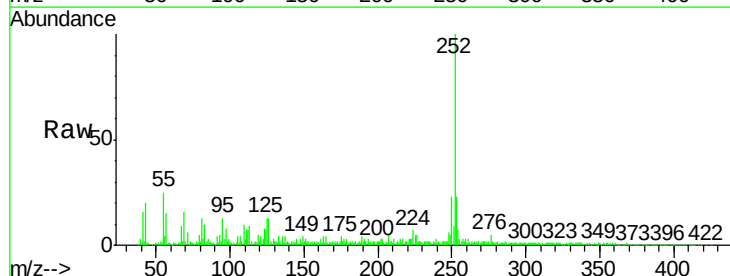


Time--> 15.00 15.10 15.20 15.30

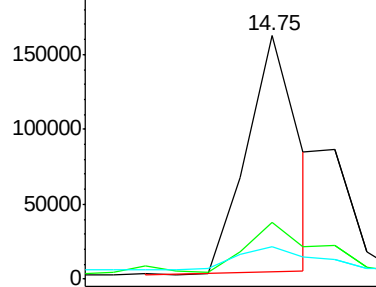


#87
Benzo(b)fluoranthene
Concen: 19.31 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

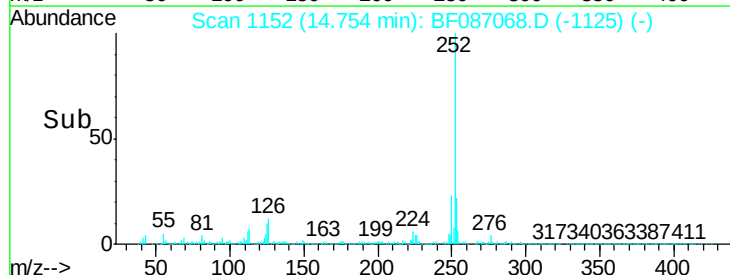
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	206870		
253	23.3	17.8	26.6	
125	13.4	11.4	17.0	

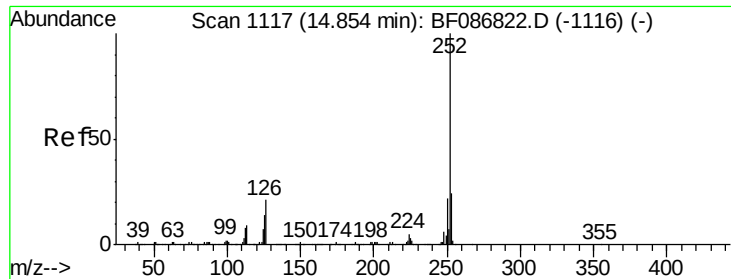


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 14.70 14.75





#88

Benzo(k)fluoranthene

Concen: 8.51 ng m

RT: 14.78 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BF087068.D

Acq: 15 May 2016 14:30

Instrument :

BNA_F

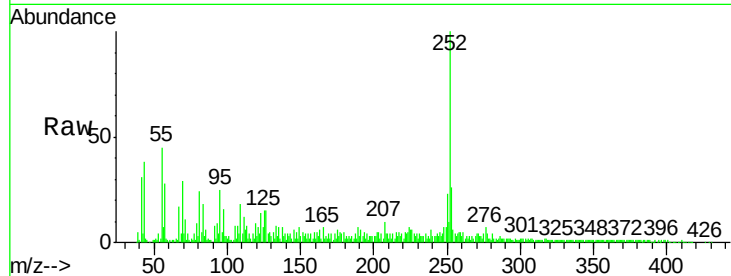
ClientSampleId :

DUPB

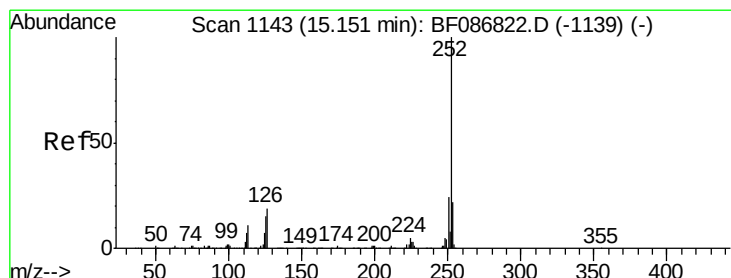
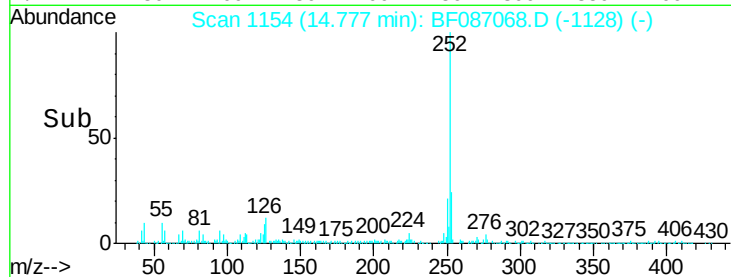
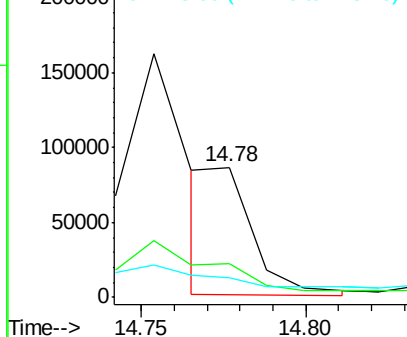
Tgt Ion:	252	Resp:	74701
Ion Ratio	Lower	Upper	
252	100		
253	26.4	17.8	26.6
125	15.0	9.1	13.7#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 14.95 ng

RT: 15.07 min Scan# 1180

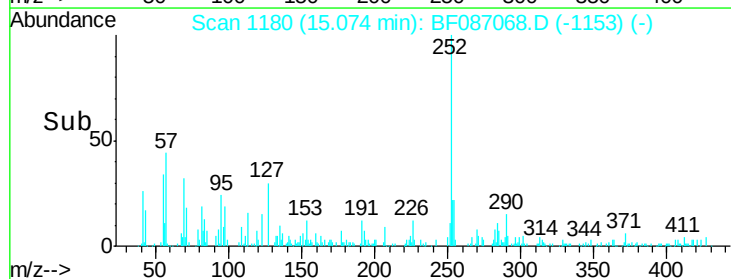
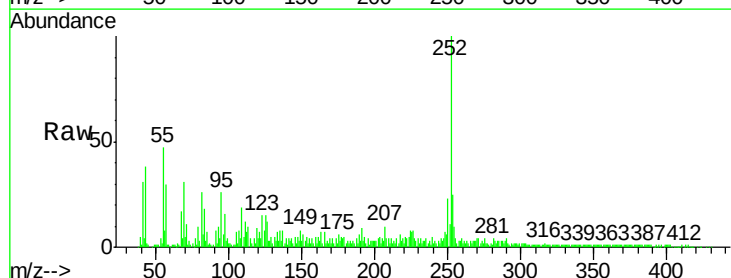
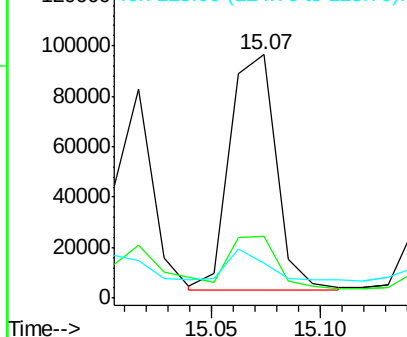
Delta R.T. 0.01 min

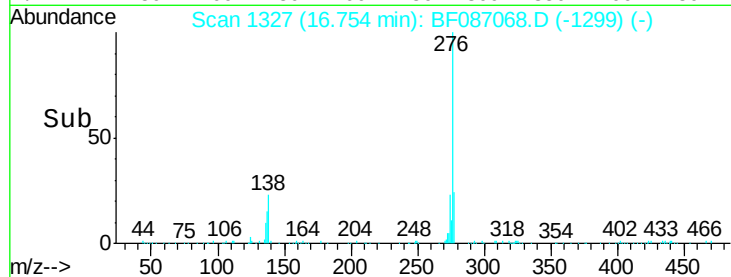
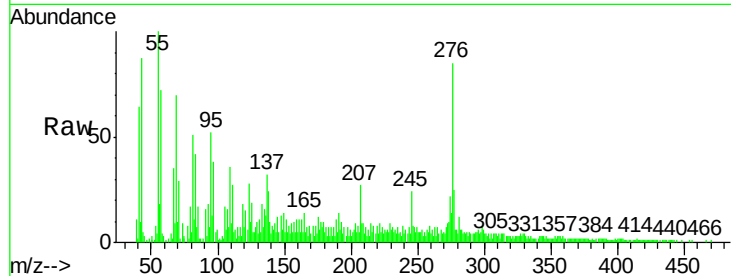
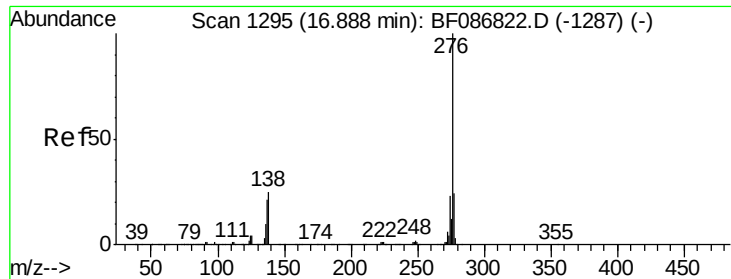
Lab File: BF087068.D

Acq: 15 May 2016 14:30

Tgt Ion:	252	Resp:	138138
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.2	25.8
125	14.6	9.0	13.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
Benzo(g,h,i)perylene
Concen: 6.93 ng
RT: 16.75 min Scan# 1327
Delta R.T. 0.02 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.4	19.6	29.4#
138	28.0	23.6	35.4

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