

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
 Data File : BF087755.D
 Acq On : 6 Jun 2016 16:44
 Operator : UM/SJ
 Sample : H3267-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-TA-1261+50(0-4)

Manual Integrations
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Quant Time: Jun 07 06:59:55 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	131866	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	519166	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	211779	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	354347	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	255946	20.00	ng	-0.01
86) Perylene-d12	15.43	264	228488	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1035984	126.98	ng	0.01
7) Phenol-d6	6.49	99	1116264	109.10	ng	0.00
23) Nitrobenzene-d5	7.42	82	667576	74.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	241086	113.41	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	1268524	95.97	ng	-0.01
78) Terphenyl-d14	12.96	244	792138	75.52	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.75	152	149922	7.03	ng	99
49) Dimethylphthalate	9.61	163	193613	12.58	ng	98
70) Phenanthrene	11.39	178	138912	7.23	ng	98
71) Anthracene	11.44	178	116132	6.03	ng	99
72) Carbazole	11.60	167	49901	2.74	ng	98
74) Fluoranthene	12.58	202	784257	41.48	ng	99
77) Pyrene	12.81	202	820022	44.99	ng	99
80) Benzo(a)anthracene	14.00	228	461848m	31.27	ng	
82) Chrysene	14.03	228	423930	28.83	ng	98
85) Indeno(1,2,3-cd)pyrene	16.82	276	207396	17.07	ng	# 100
87) Benzo(b)fluoranthene	15.03	252	583535m	39.26	ng	
88) Benzo(k)fluoranthene	15.05	252	208233m	16.84	ng	
89) Benzo(a)pyrene	15.37	252	309951	24.81	ng	97
90) Dibenzo(a,h)anthracene	16.83	278	52134	4.90	ng	96
91) Benzo(a,h,i)perylene	17.23	276	174963	16.31	ng	97

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

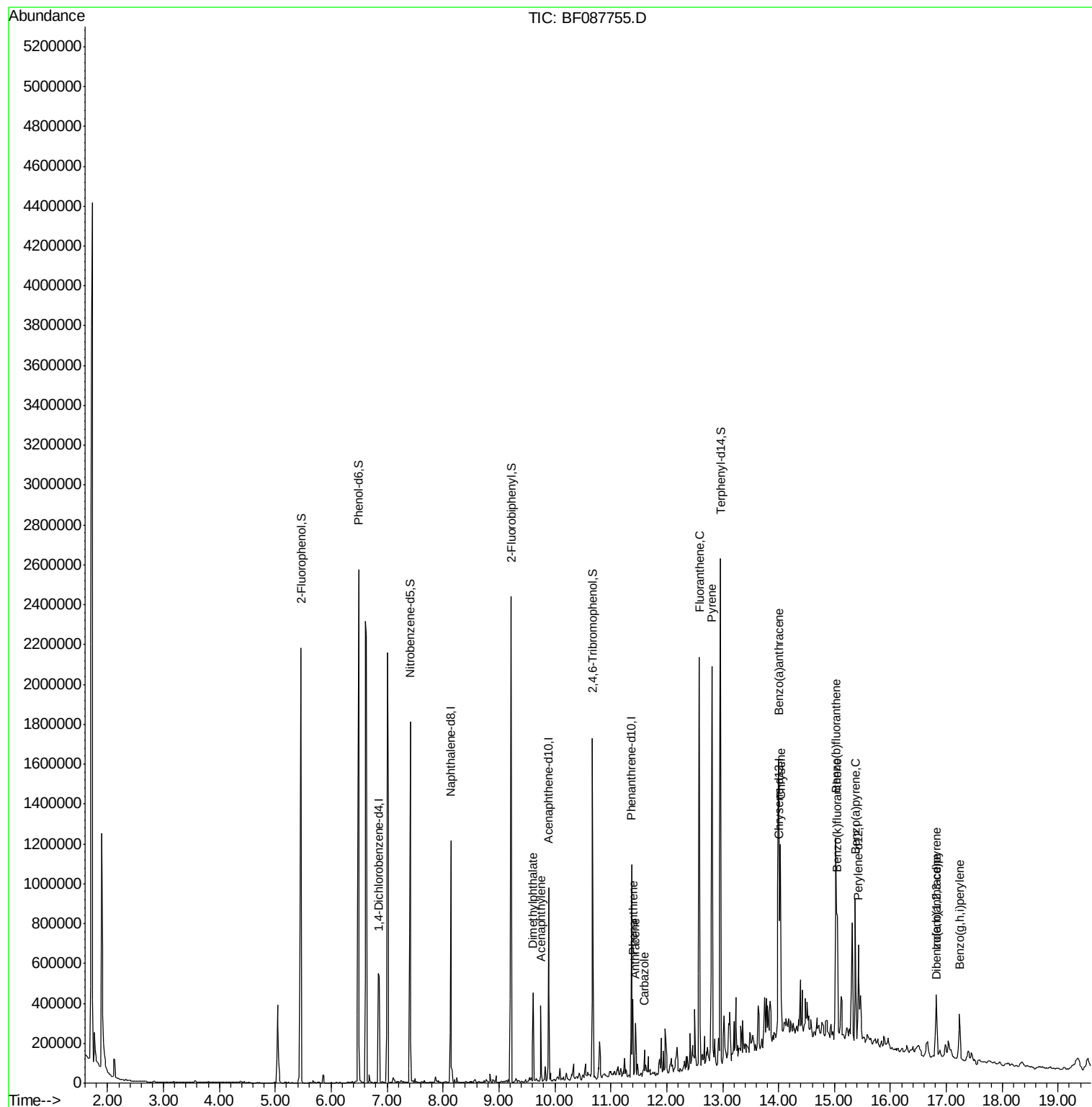
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
Data File : BF087755.D
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ALS Vial : 13 Sample Multiplier: 1

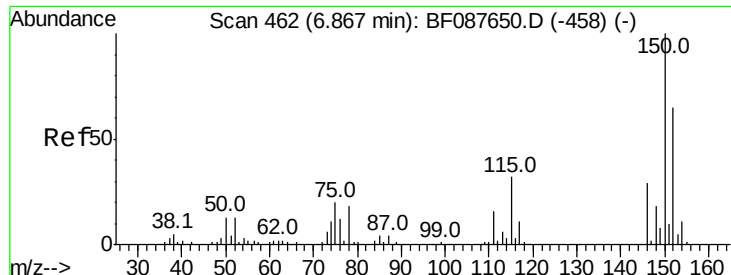
Instrument :
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#1

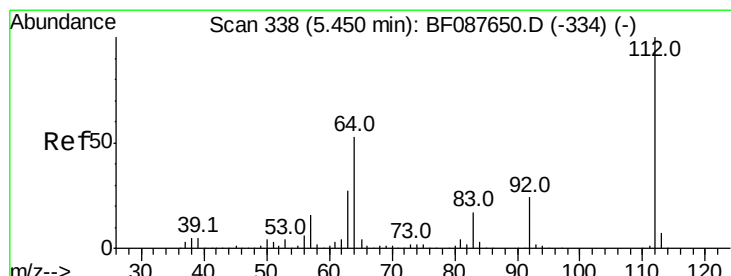
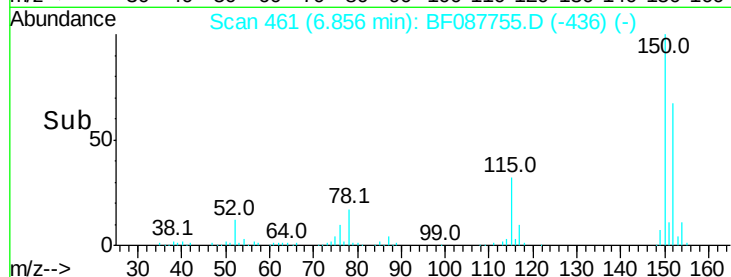
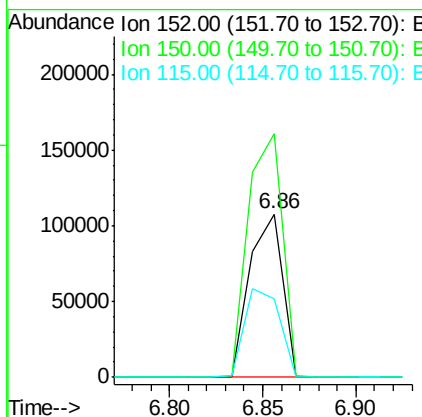
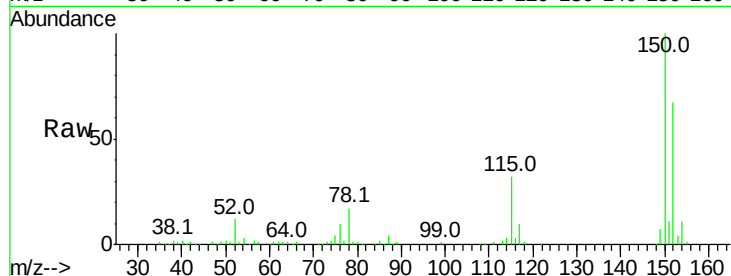
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Instrument :
BNA_F
ClientSampleId :
STA-TA-1261+50(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.1	123.8	185.6
115	48.2	39.6	59.4

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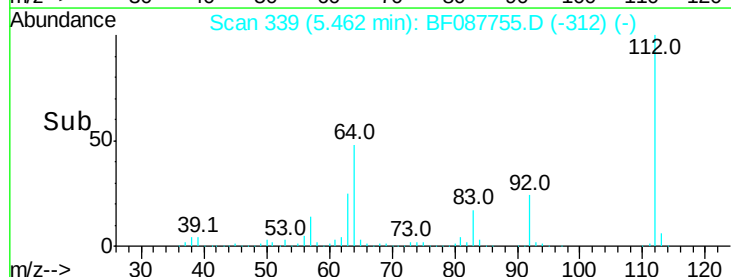
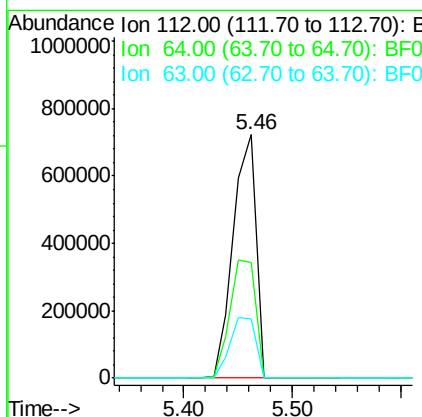
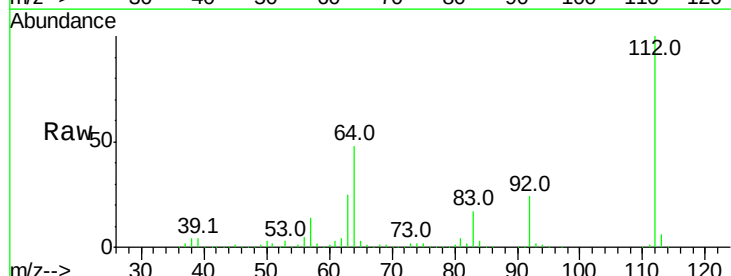
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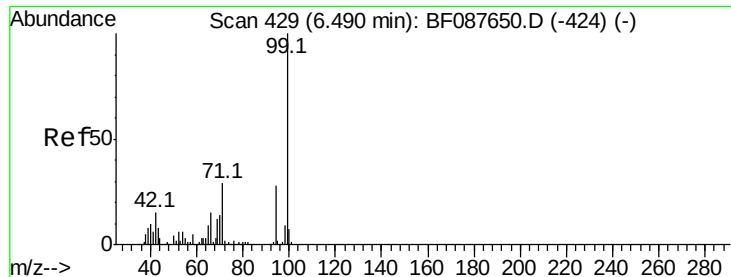


#5

2-Fluorophenol
Concen: 126.98 ng
RT: 5.46 min Scan# 339
Delta R.T. 0.01 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.7	42.2	63.2
63	24.5	21.8	32.8





#7

Phenol-d6

Concen: 109.10 ng

RT: 6.49 min Scan# 429

Delta R.T. 0.00 min

Lab File: BF087755.D

Acq: 6 Jun 2016 16:44

Instrument :

BNA_F

ClientSampleId :

STA-TA-1261+50(0-4)

Tot Ion: 99 Resp: 1116264

Ion Ratio Lower Upper

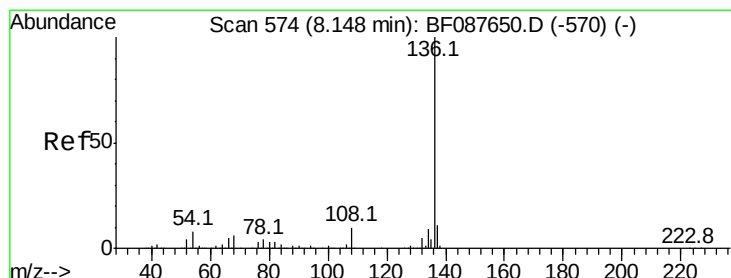
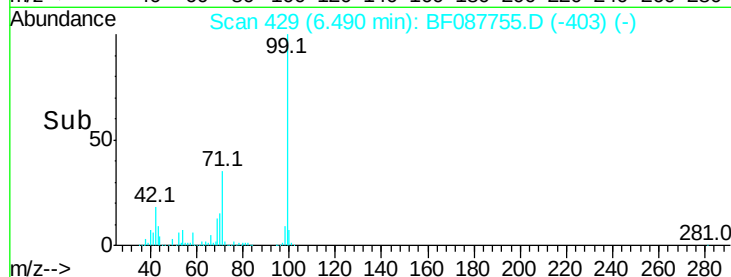
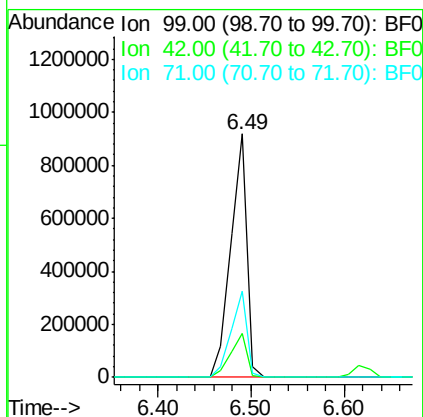
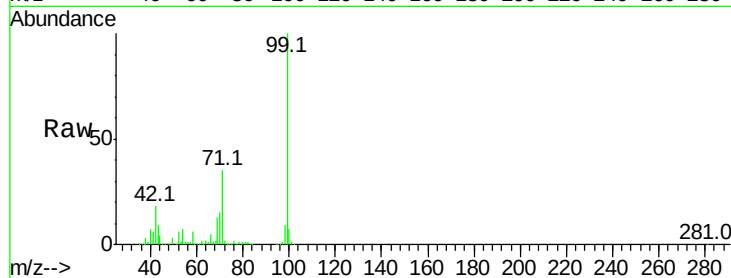
99 100

42 17.9 12.2 18.2

71 35.2 23.4 35.0#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF087755.D

Acq: 6 Jun 2016 16:44

Tgt Ion: 136 Resp: 519166

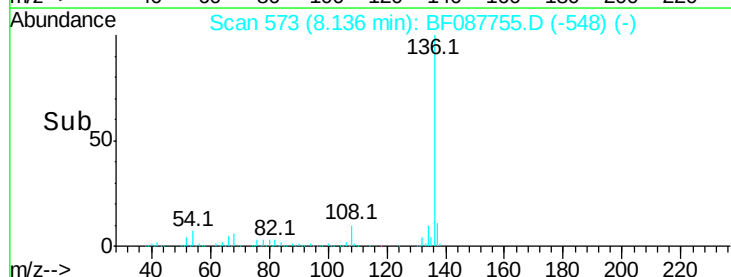
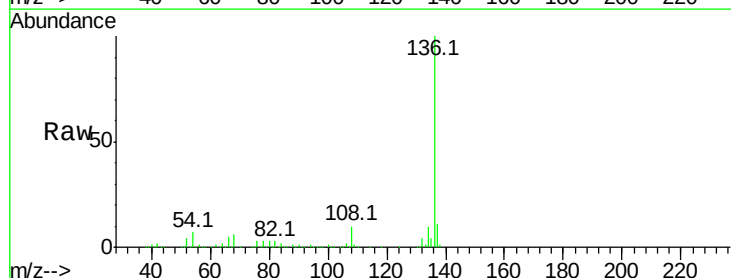
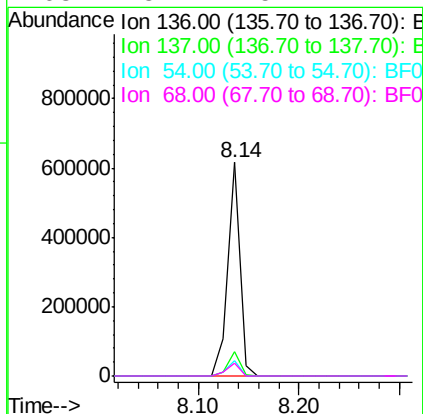
Ion Ratio Lower Upper

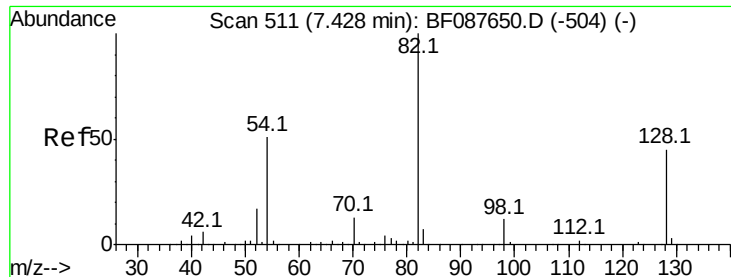
136 100

137 11.1 9.1 13.7

54 7.2 6.6 10.0

68 5.7 5.1 7.7





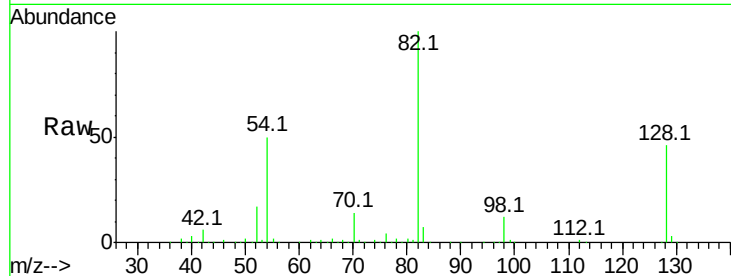
#23
 Nitrobenzene-d5
 Concen: 74.40 ng
 RT: 7.42 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF087755.D
 Acq: 6 Jun 2016 16:44

Instrument :
 BNA_F
 ClientSampleId :
 STA-TA-1261+50(0-4)

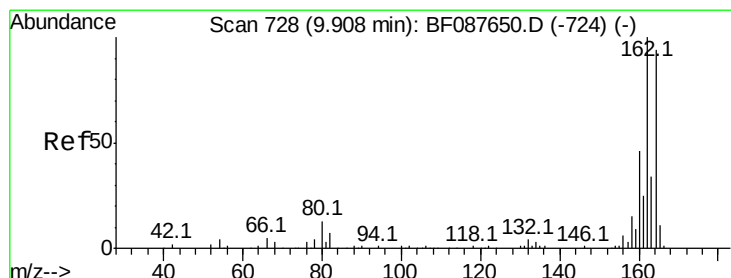
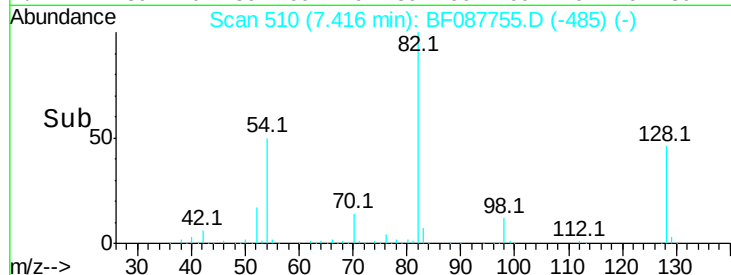
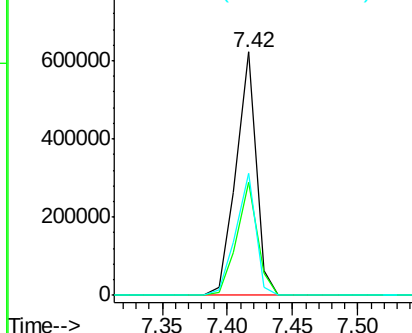
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.5	35.9	53.9	
54	50.2	40.9	61.3	

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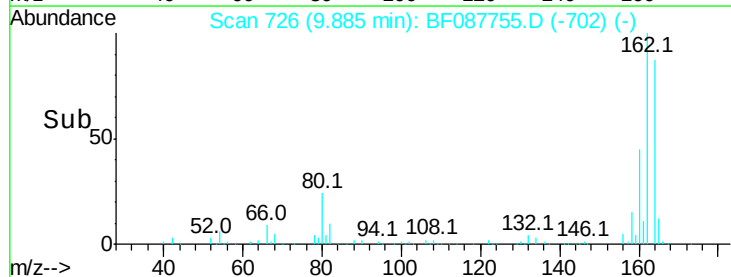
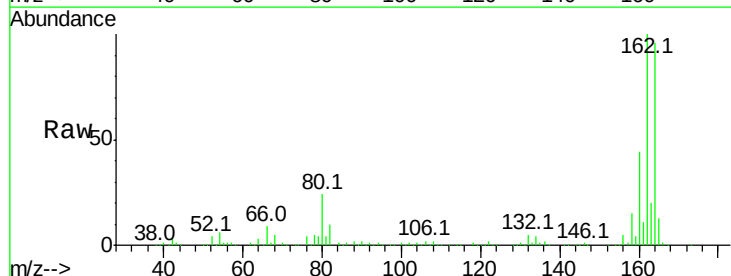
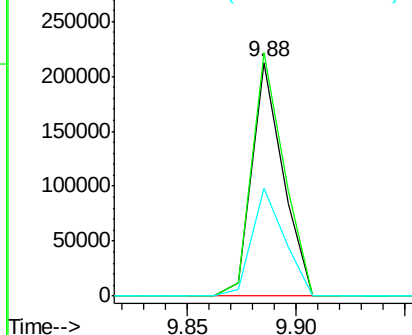
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 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

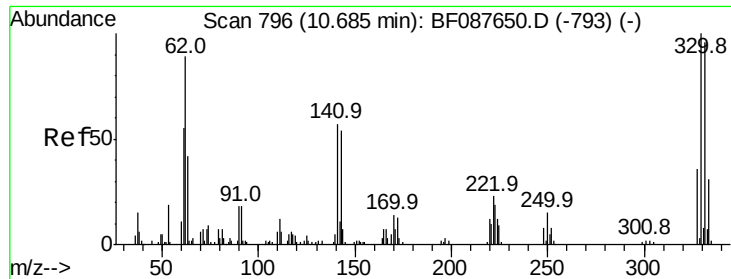


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.02 min
 Lab File: BF087755.D
 Acq: 6 Jun 2016 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.2	85.4	128.2	
160	46.2	39.5	59.3	

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





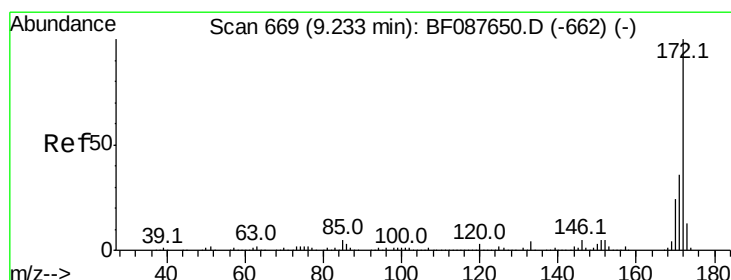
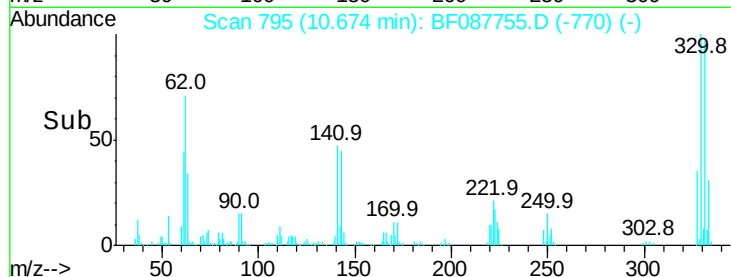
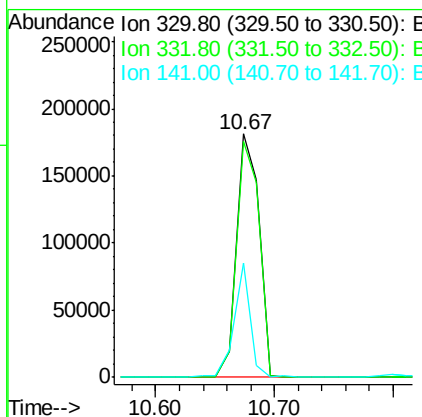
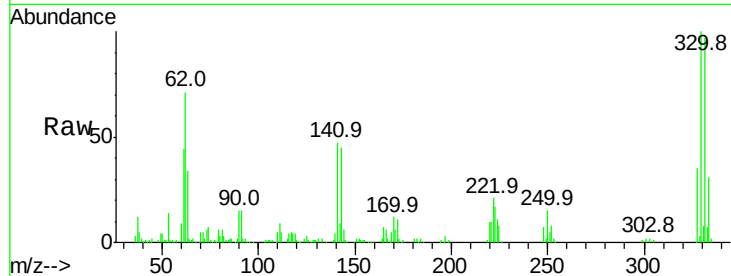
#41
 2,4,6-Tribromophenol
 Concen: 113.41 ng
 RT: 10.67 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF087755.D
 Acq: 6 Jun 2016 16:44

Instrument :
 BNA_F
 ClientSampleId :
 STA-TA-1261+50(0-4)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	97.6	0.0	0.0#
141	33.8	0.0	0.0#

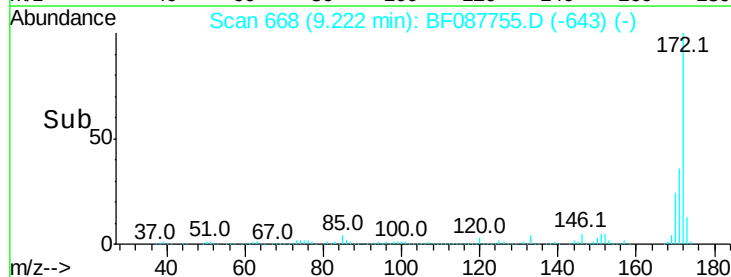
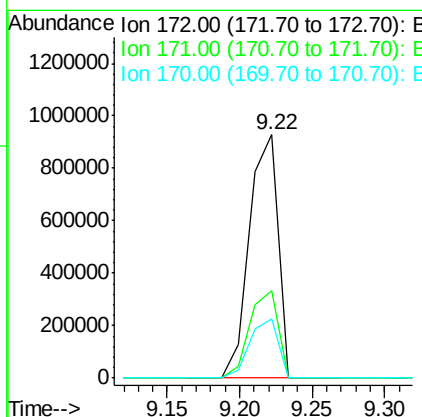
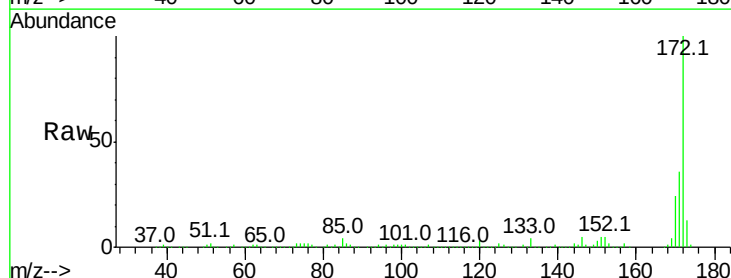
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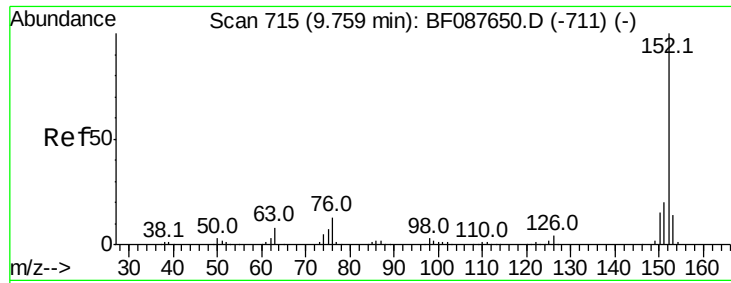
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#44
 2-Fluorobiphenyl
 Concen: 95.97 ng
 RT: 9.22 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF087755.D
 Acq: 6 Jun 2016 16:44

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.1	19.2	28.8





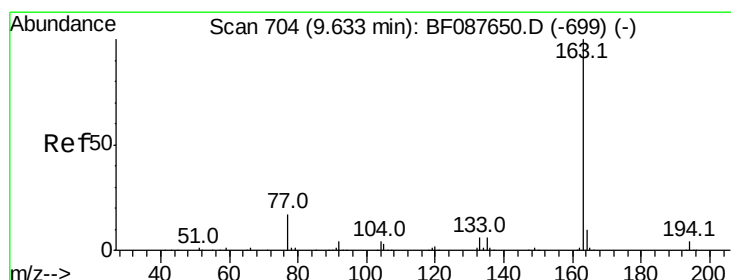
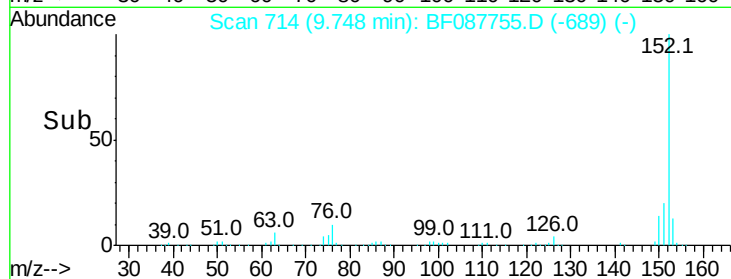
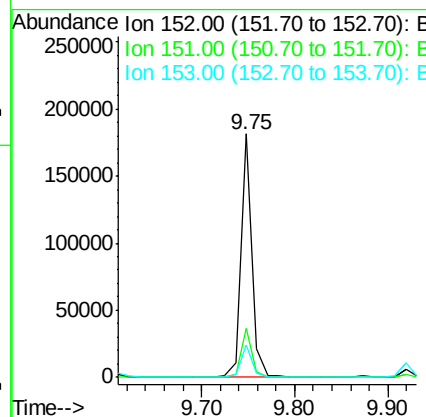
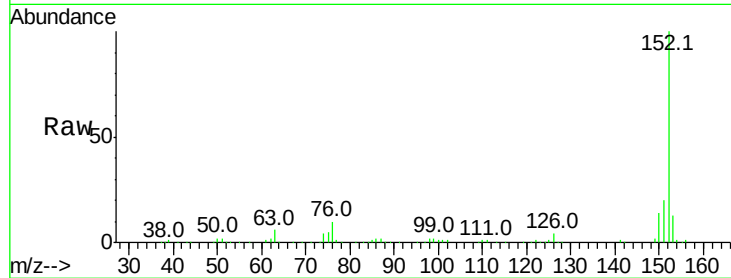
#48
Acenaphthylene
Concen: 7.03 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.01 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Instrument :
BNA_F
ClientSampleId :
STA-TA-1261+50(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	149922		
151	20.1		16.2	24.4
153	13.2		11.0	16.6

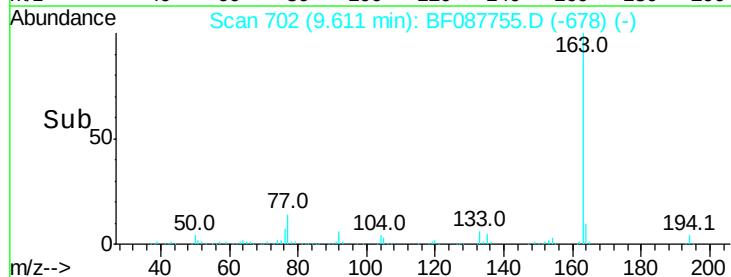
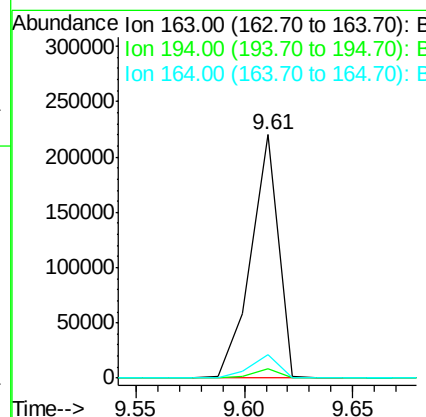
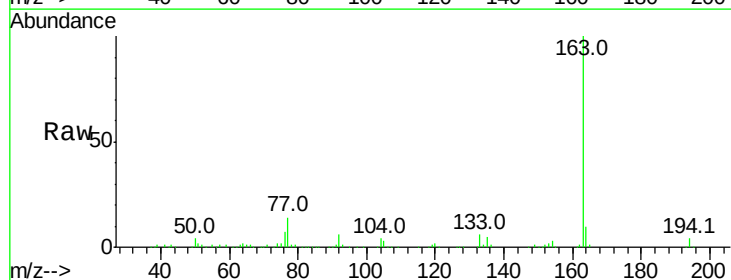
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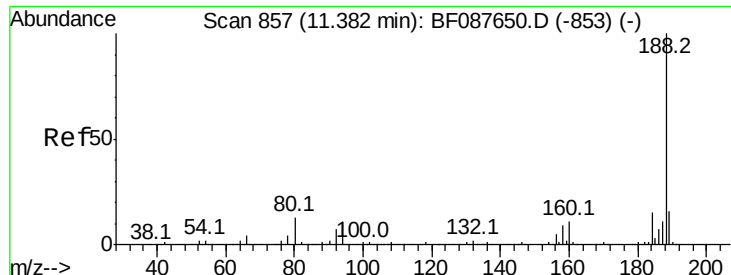
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#49
Dimethylphthalate
Concen: 12.58 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	193613		
194	3.6		2.8	4.2
164	9.6		8.3	12.5





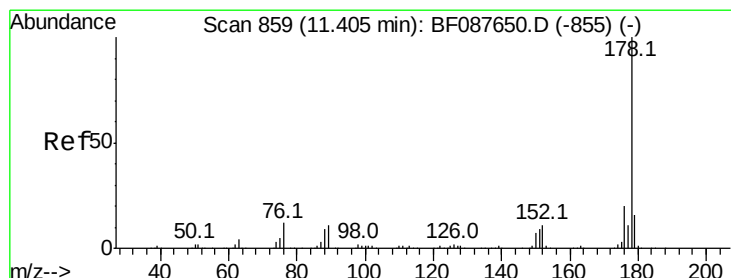
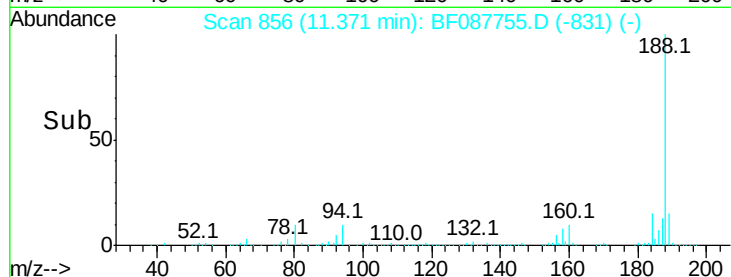
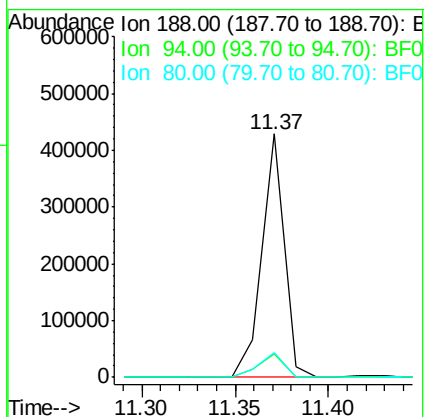
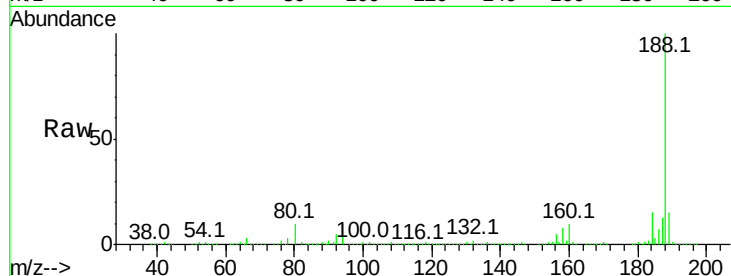
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Instrument :
BNA_F
ClientSampleId :
STA-TA-1261+50(0-4)

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.5	9.0	13.6
80	10.0	10.0	15.0

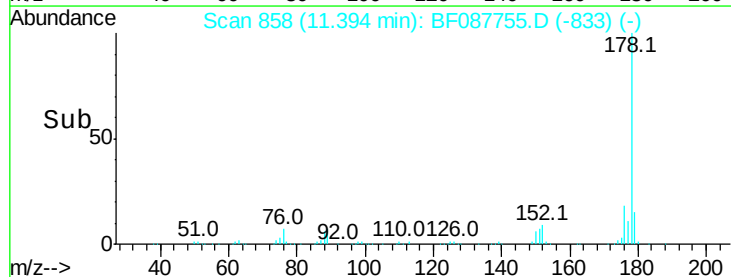
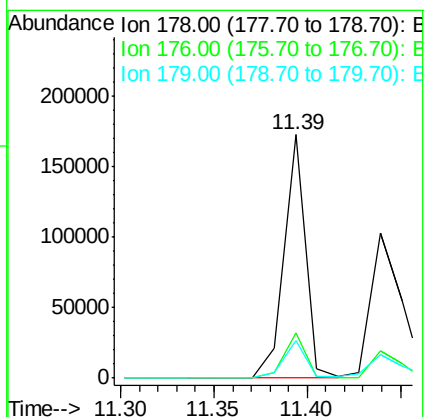
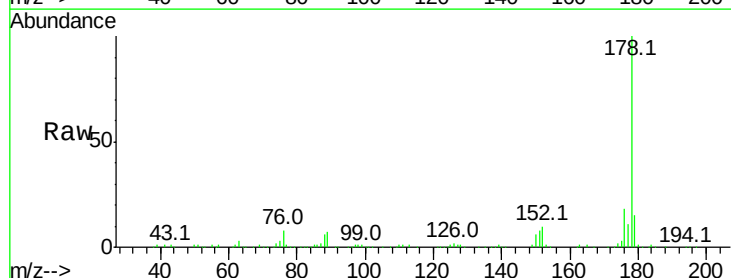
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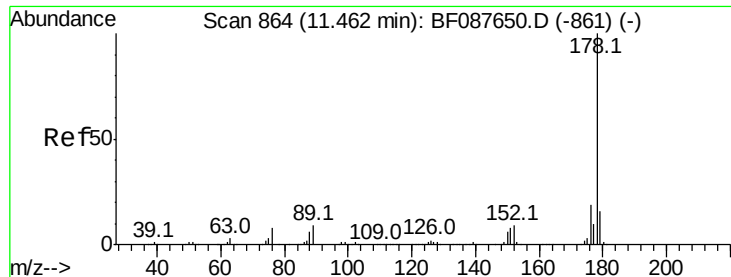
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#70
Phenanthrene
Concen: 7.23 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.4	15.8	23.6
179	15.4	13.0	19.4





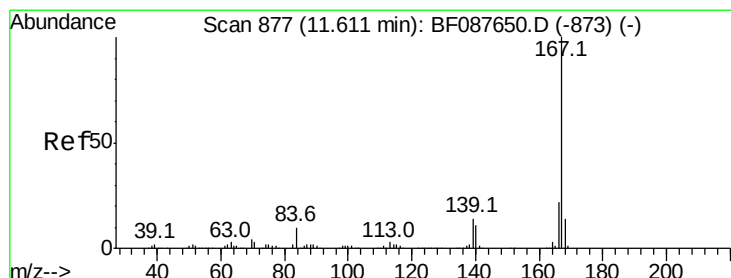
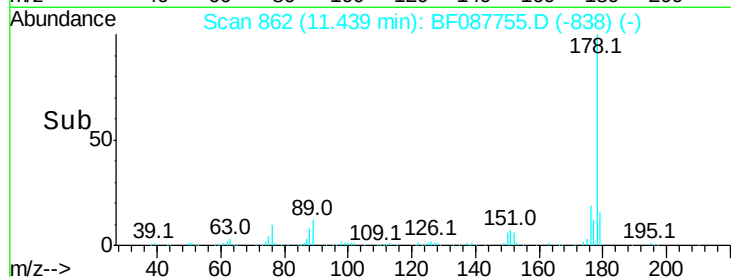
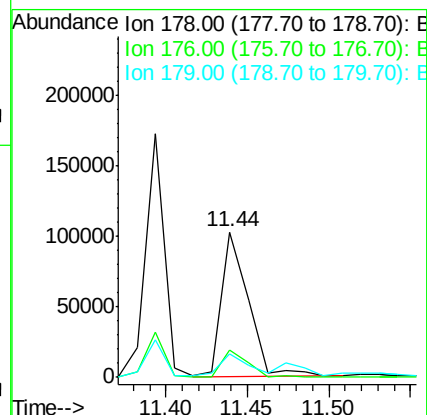
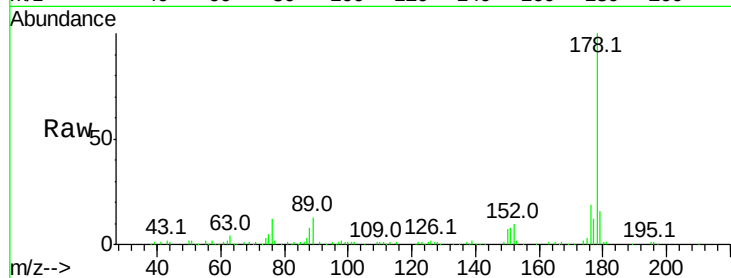
#71
 Anthracene
 Concen: 6.03 ng
 RT: 11.44 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: BF087755.D
 Acq: 6 Jun 2016 16:44

Instrument :
 BNA_F
 ClientSampleId :
 STA-TA-1261+50(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	16.3	12.8	19.2

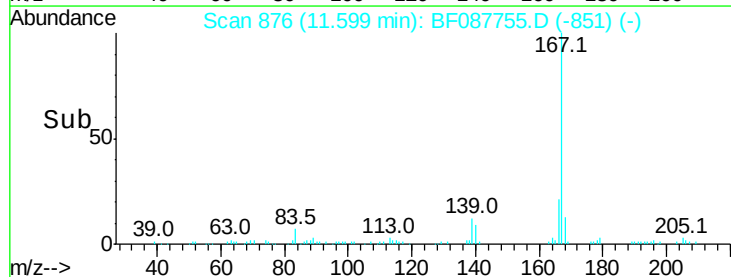
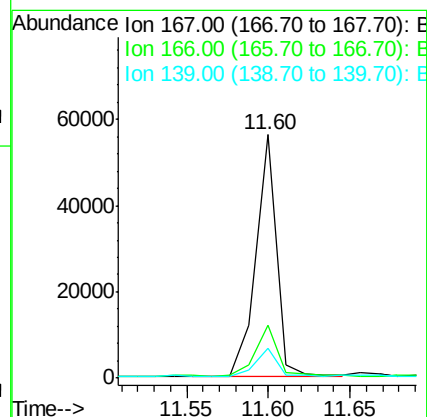
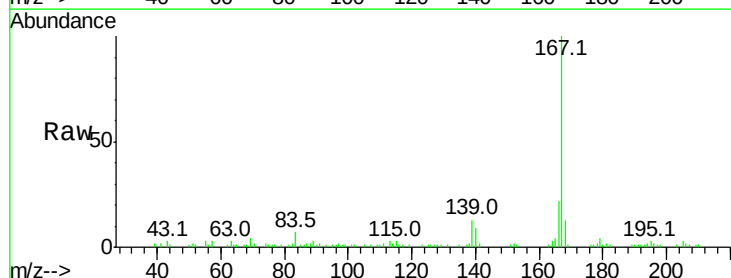
Manual Integrations
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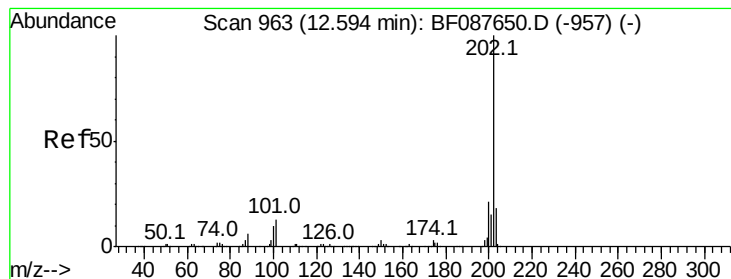
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#72
 Carbazole
 Concen: 2.74 ng
 RT: 11.60 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF087755.D
 Acq: 6 Jun 2016 16:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.8	26.6
139	12.5	11.2	16.8





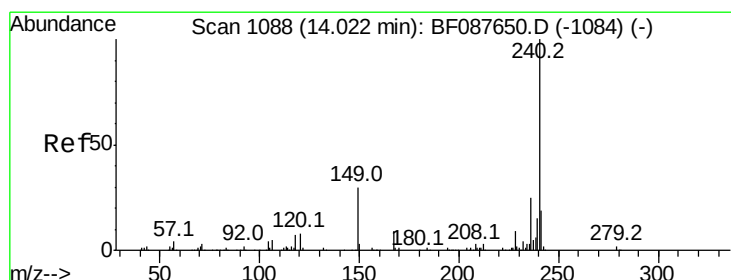
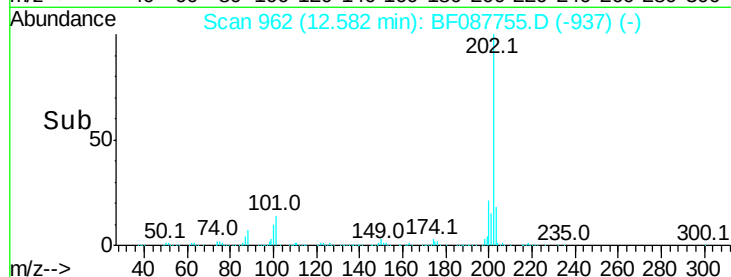
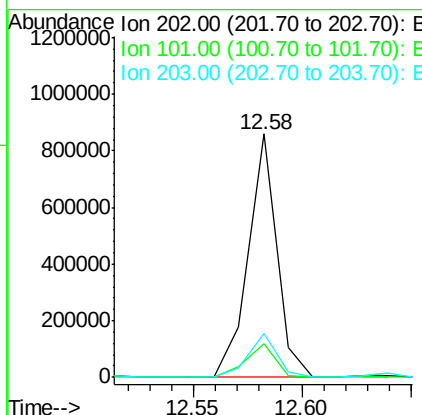
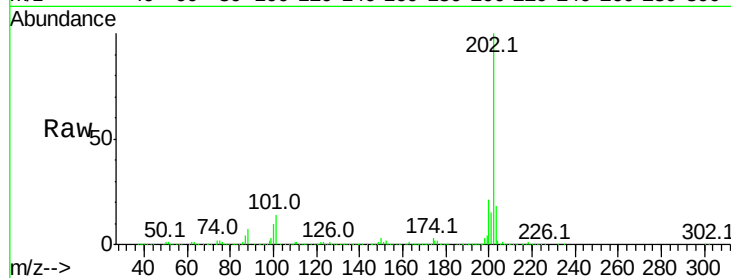
#74
Fluoranthene
Concen: 41.48 ng
RT: 12.58 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Instrument :
BNA_F
ClientSampleId :
STA-TA-1261+50(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.7	0.0	33.1
203	18.2	0.0	38.1

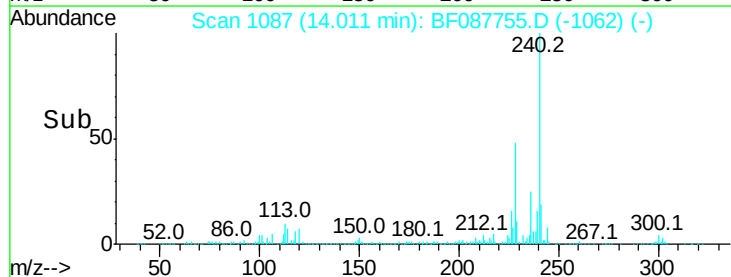
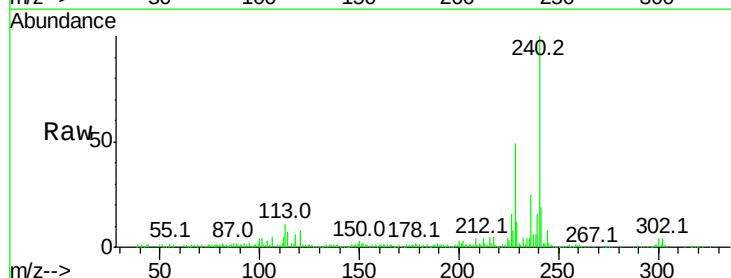
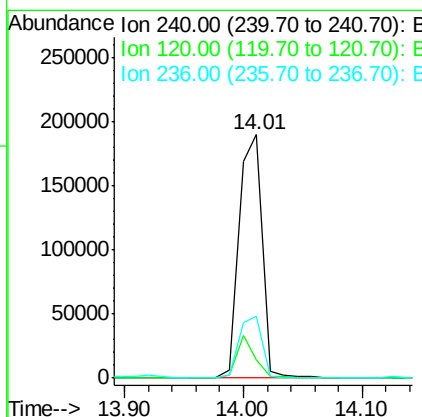
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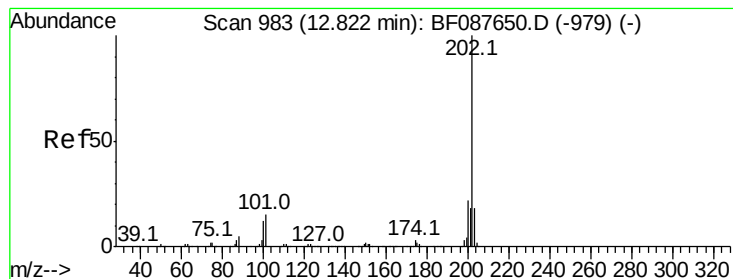
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	7.6	6.8	10.2
236	25.4	20.2	30.2





#77

Pvrene

Concen: 44.99 ng

RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF087755.D

Acq: 6 Jun 2016 16:44

Instrument :

BNA_F

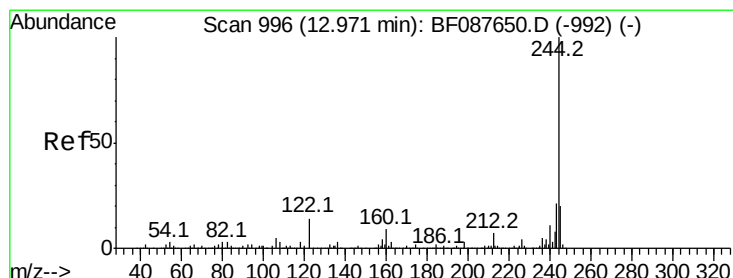
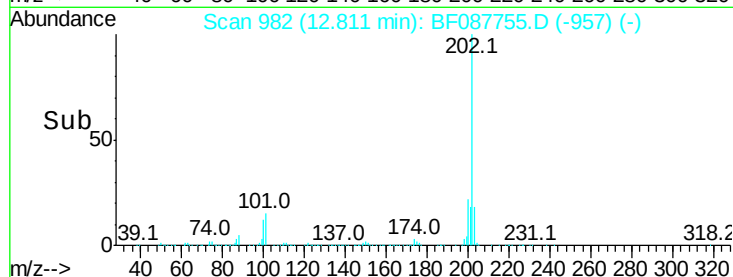
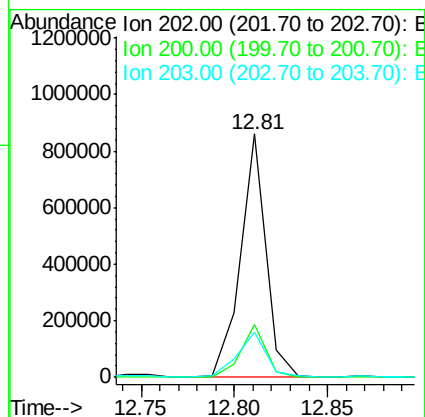
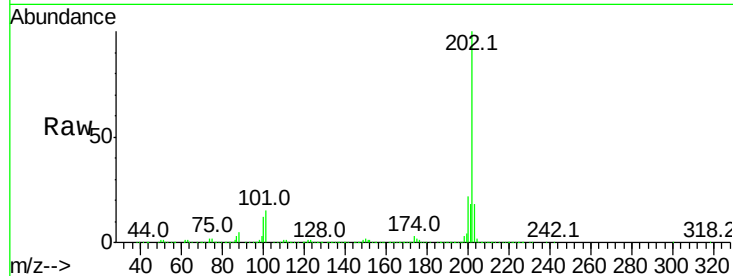
ClientSampleId :

STA-TA-1261+50(0-4)

Tot Ion:	202	Resp:	820022
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	18.4	14.5	21.7

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#78

Terphenyl-d14

Concen: 75.52 ng

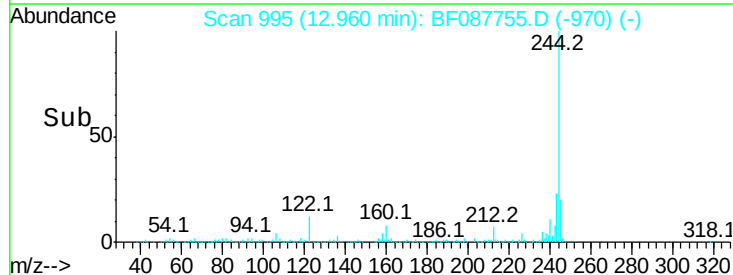
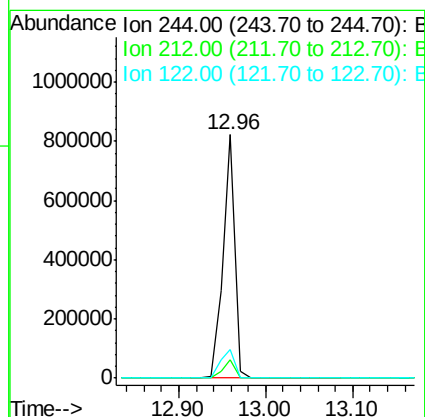
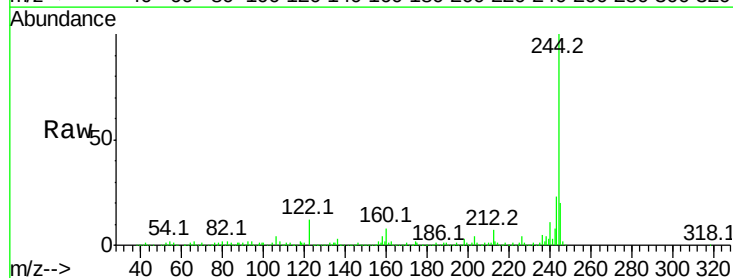
RT: 12.96 min Scan# 995

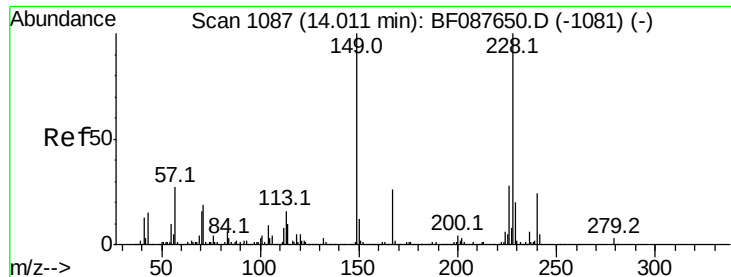
Delta R.T. -0.01 min

Lab File: BF087755.D

Acq: 6 Jun 2016 16:44

Tgt Ion:	244	Resp:	792138
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.0	9.0
122	11.9	11.2	16.8





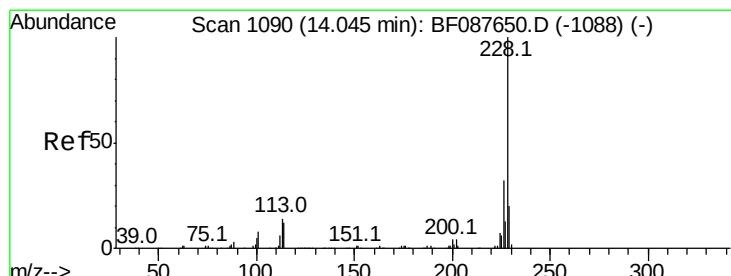
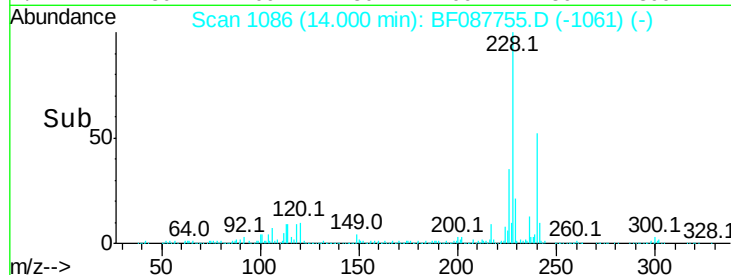
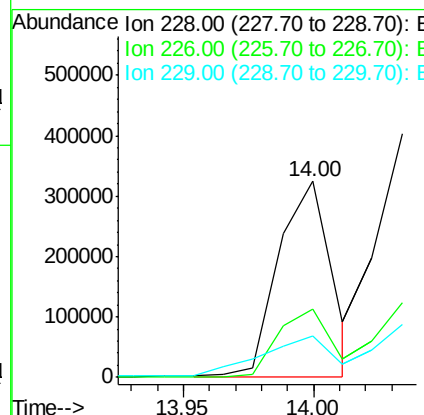
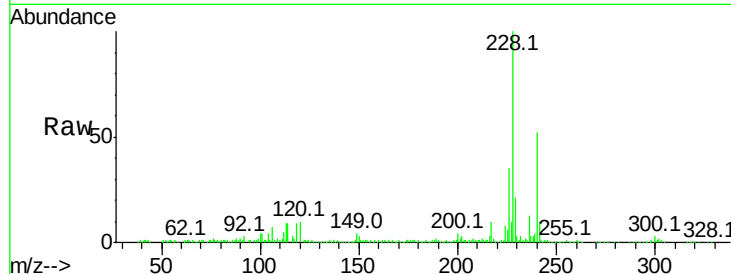
#80
Benzo(a)anthracene
Concen: 31.27 ng m
RT: 14.00 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Instrument :
BNA_F
ClientSampleId :
STA-TA-1261+50(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.1	22.3	33.5#
229	21.3	16.0	24.0

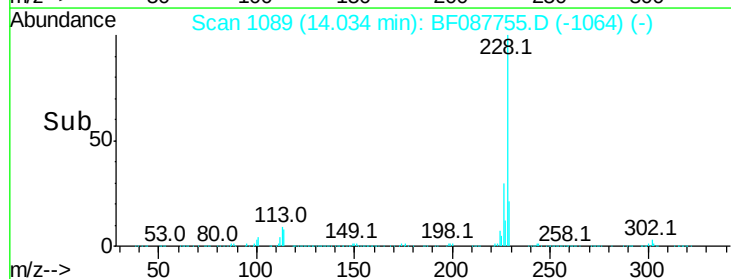
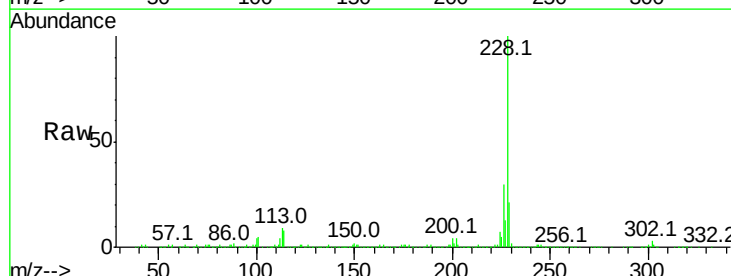
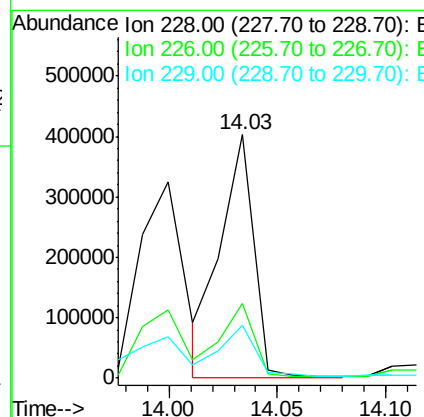
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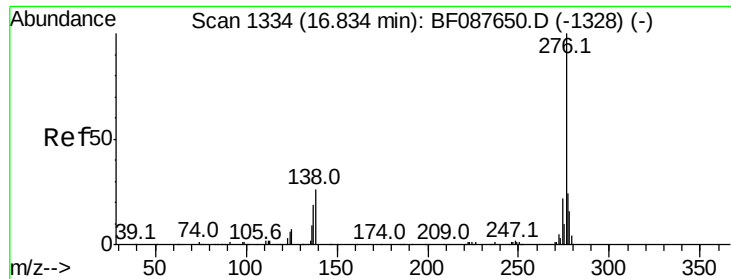
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#82
Chrysene
Concen: 28.83 ng
RT: 14.03 min Scan# 1089
Delta R.T. -0.01 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.2
229	21.5	16.3	24.5





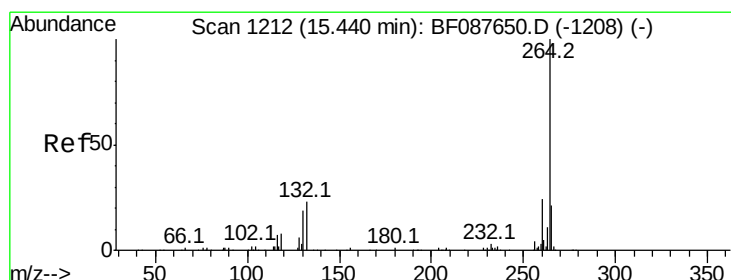
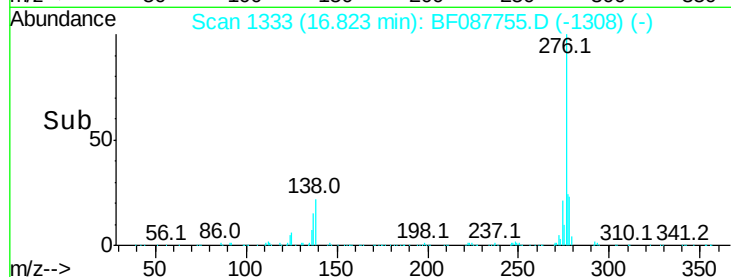
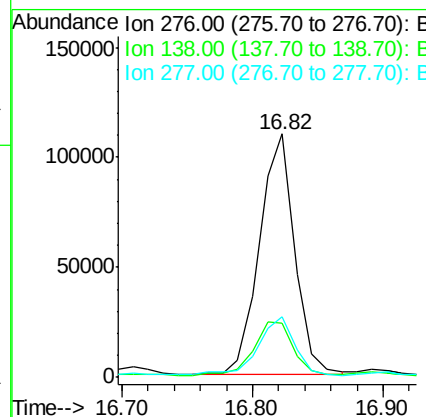
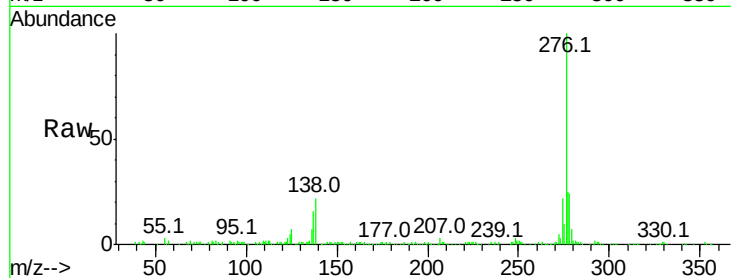
#85
Indeno(1,2,3-cd)pyrene
Concen: 17.07 ng
RT: 16.82 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Instrument :
BNA_F
ClientSampleId :
STA-TA-1261+50(0-4)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	24.6	0.0	0.0#
277	25.1	0.0	0.0#

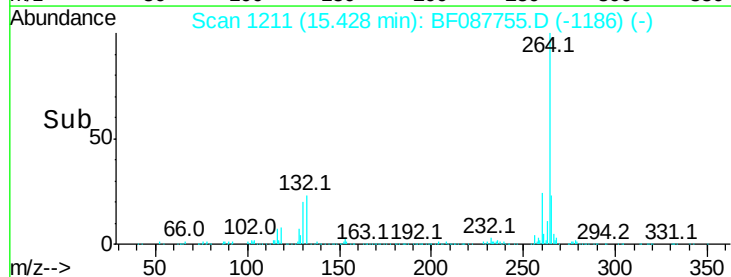
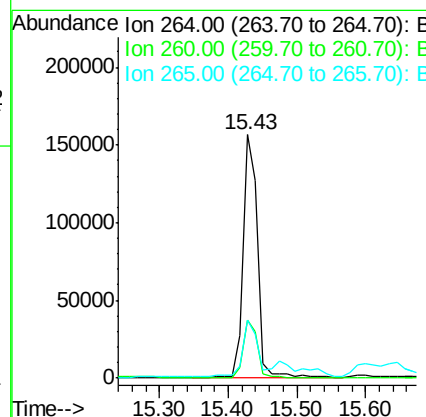
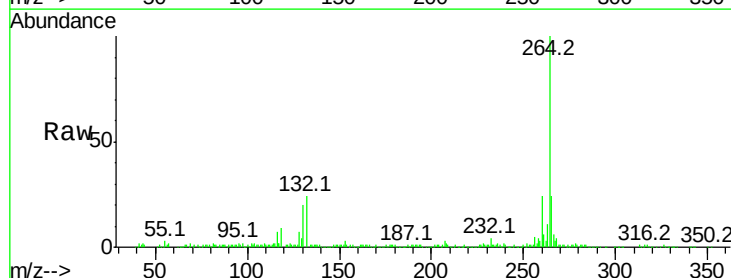
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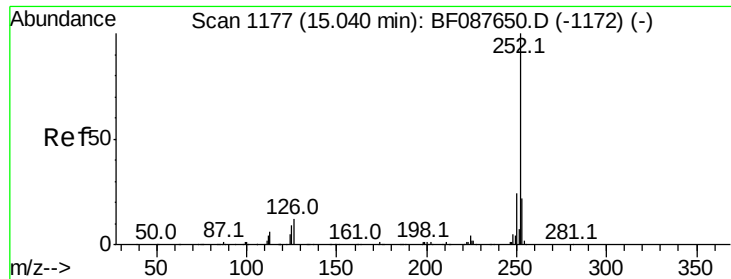
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.6	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 39.26 ng m

RT: 15.03 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF087755.D

Acq: 6 Jun 2016 16:44

Instrument :

BNA_F

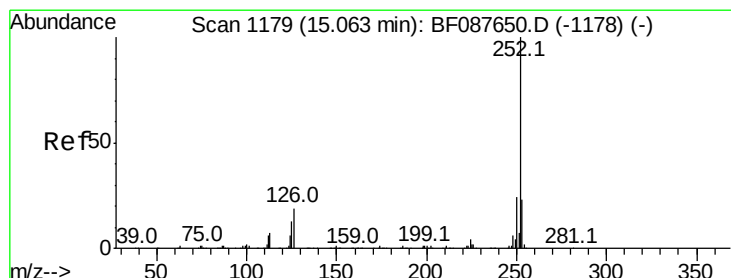
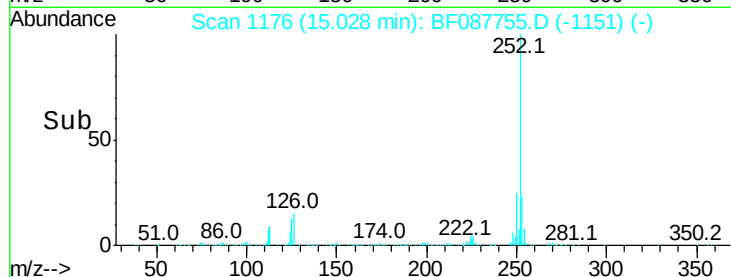
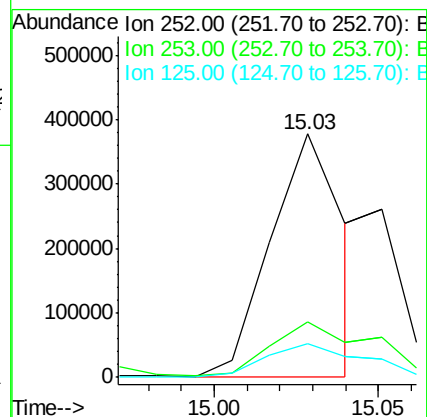
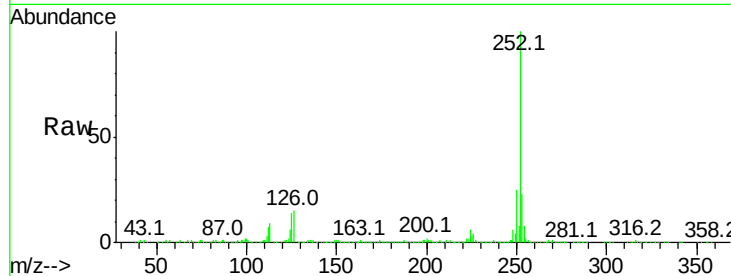
ClientSampleId :

STA-TA-1261+50(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	13.8	7.1	10.7

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 16.84 ng m

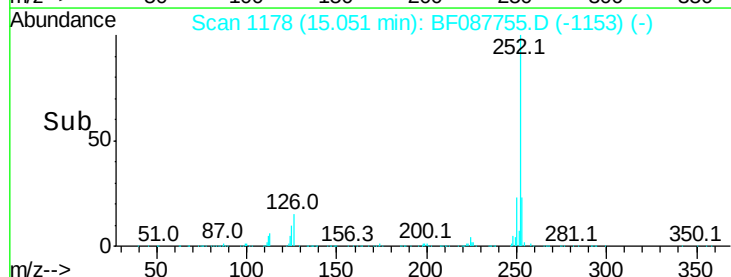
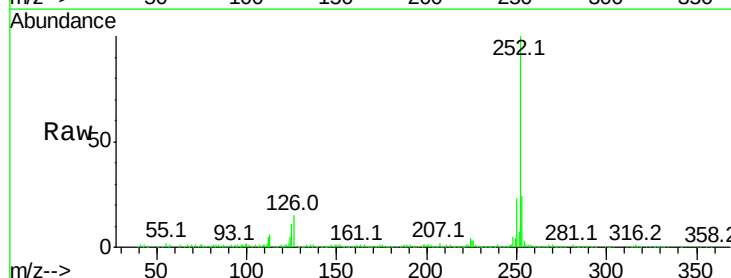
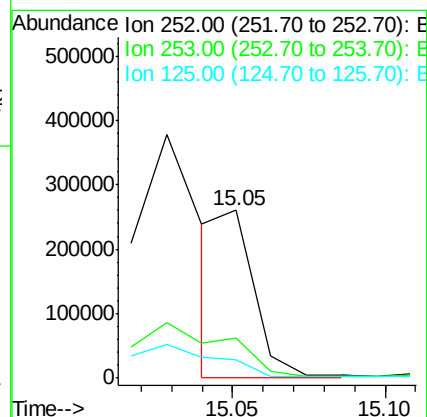
RT: 15.05 min Scan# 1178

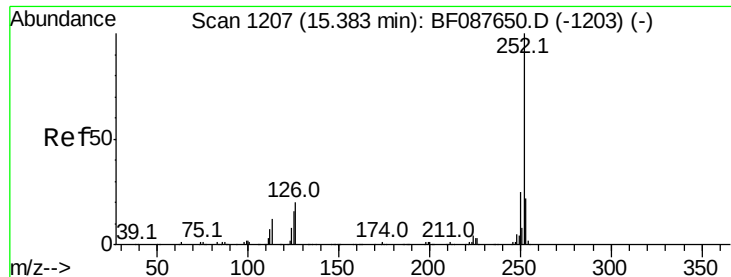
Delta R.T. -0.01 min

Lab File: BF087755.D

Acq: 6 Jun 2016 16:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	10.9	11.2	16.8





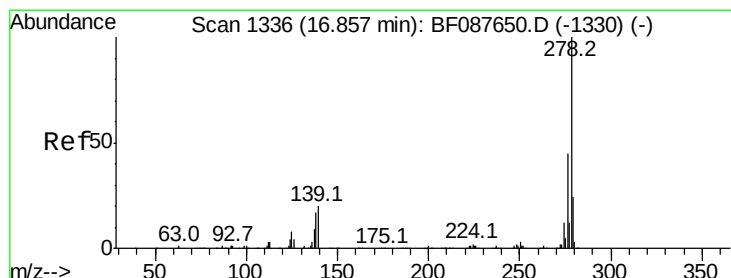
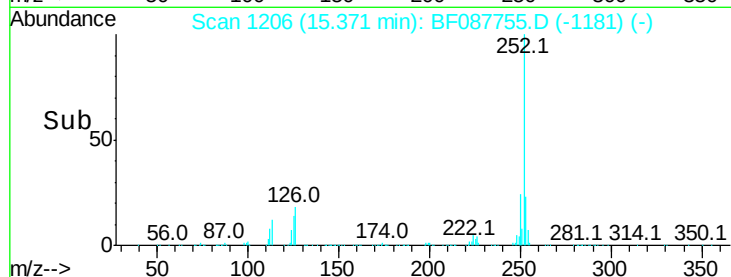
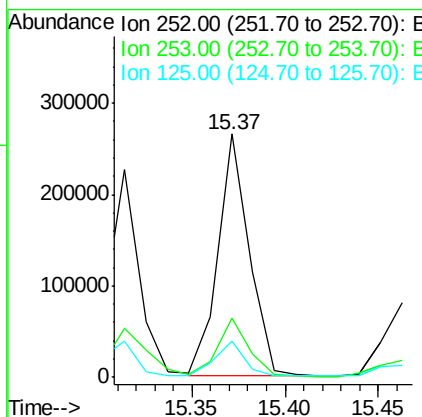
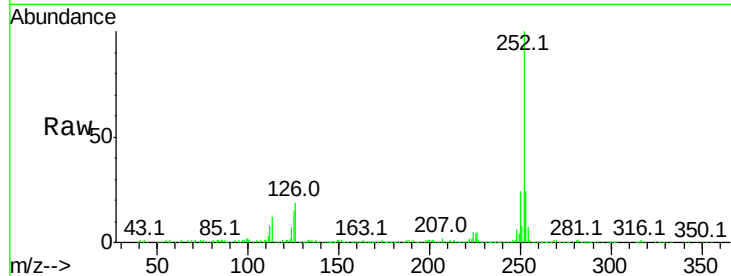
#89
Benzo(a)pyrene
Concen: 24.81 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Instrument :
BNA_F
ClientSampleId :
STA-TA-1261+50(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.2	17.9	26.9	
125	14.7	12.5	18.7	

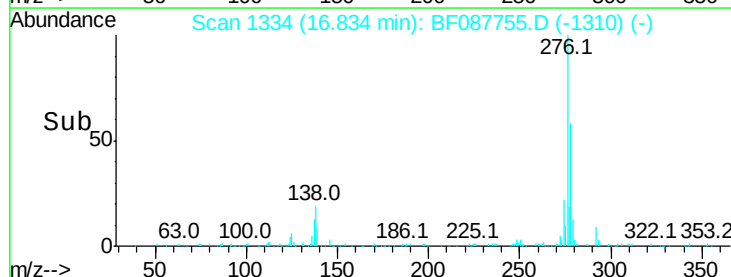
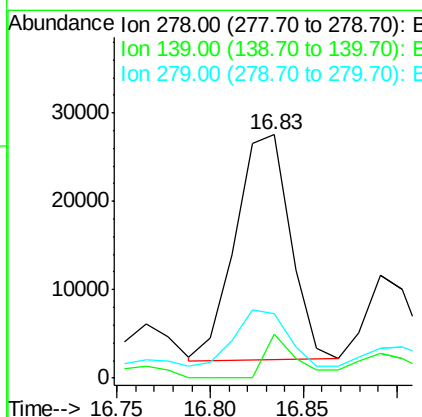
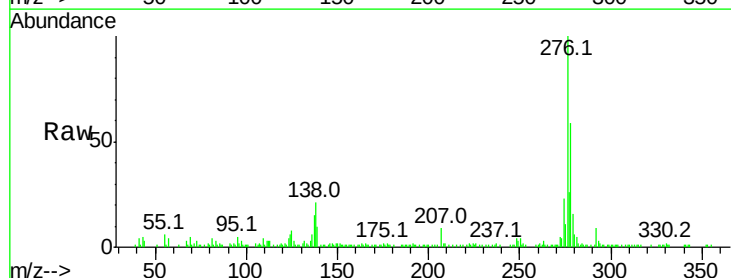
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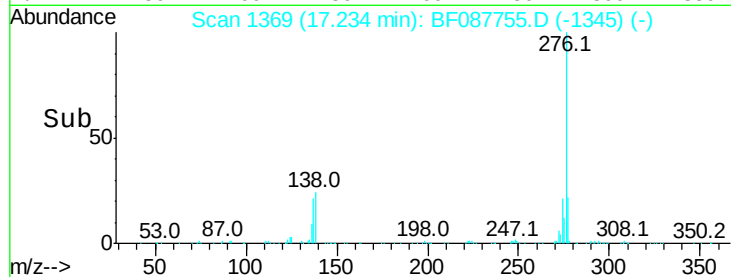
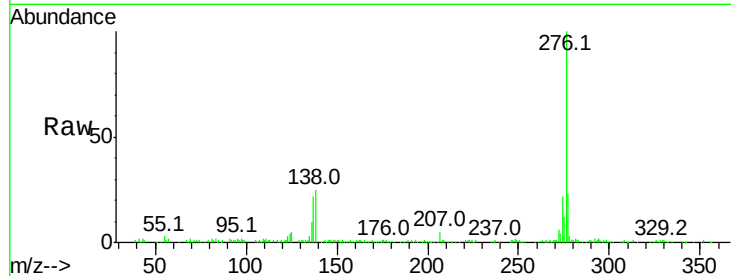
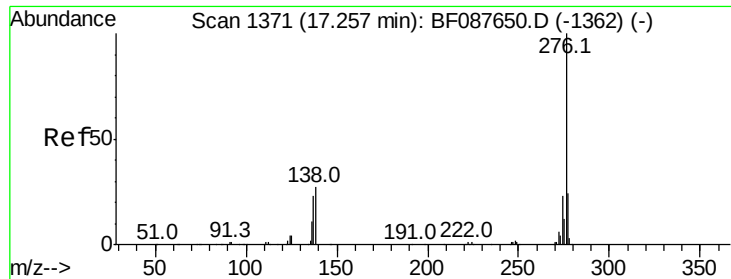
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#90
Dibenzo(a,h)anthracene
Concen: 4.90 ng
RT: 16.83 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BF087755.D
Acq: 6 Jun 2016 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	17.8	15.7	23.5	
279	26.5	19.4	29.2	





#91

Benzo(a,h,i)perylene

Concen: 16.31 ng

RT: 17.23 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BF087755.D

Acq: 6 Jun 2016 16:44

Instrument :

BNA_F

ClientSampleId :

STA-TA-1261+50(0-4)

Tot Ion:	276	Resp:	174963
Ion Ratio		Lower	Upper
276	100		
277	22.9	18.9	28.3
138	24.6	21.4	32.2

Manual Integrations
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