

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
 Data File : BF090270.D
 Acq On : 27 Sep 2016 23:37
 Operator : UM/SJ
 Sample : H4949-09 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-5-1-LOC-5(0-5)

Manual Integrations
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Quant Time: Sep 28 11:50:53 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	140881m	20.00	ng	0.00
21) Naphthalene-d8	7.76	136	515116m	20.00	ng	-0.01
38) Acenaphthene-d10	9.50	164	269435	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	376250	20.00	ng	-0.01
75) Chrysene-d12	13.58	240	287890	20.00	ng	-0.02
86) Perylene-d12	14.90	264	237392	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	356484	41.25	ng	0.00
7) Phenol-d6	6.12	99	463912	43.46	ng	-0.01
23) Nitrobenzene-d5	7.04	82	249874	28.12	ng	-0.02
41) 2,4,6-Tribromophenol	10.28	330	87776	37.97	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	479420	34.93	ng	-0.01
78) Terphenyl-d14	12.55	244	313426	27.64	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.36	152	92222	3.99	ng	99
49) Dimethylphthalate	9.24	163	174300	10.16	ng	98
57) Fluorene	10.04	166	29361	2.16	ng	98
70) Phenanthrene	10.99	178	409361	23.26	ng	98
71) Anthracene	11.04	178	109354	5.93	ng	98
72) Carbazole	11.20	167	48081	2.46	ng	98
74) Fluoranthene	12.17	202	596752	31.59	ng	93
77) Pyrene	12.39	202	512031	25.99	ng	98
80) Benzo(a)anthracene	13.57	228	309852	20.01	ng	# 91
82) Chrysene	13.61	228	247315m	16.39	ng	
85) Indeno(1,2,3-cd)pyrene	16.05	276	119382	9.79	ng	95
87) Benzo(b)fluoranthene	14.57	252	282049m	21.46	ng	
88) Benzo(k)fluoranthene	14.57	252	141762m	11.49	ng	
89) Benzo(a)pyrene	14.86	252	214329	17.33	ng	98
90) Dibenzo(a,h)anthracene	16.05	278	34167m	3.54	ng	
91) Benzo(g,h,i)perylene	16.38	276	103961	11.01	ng	97

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

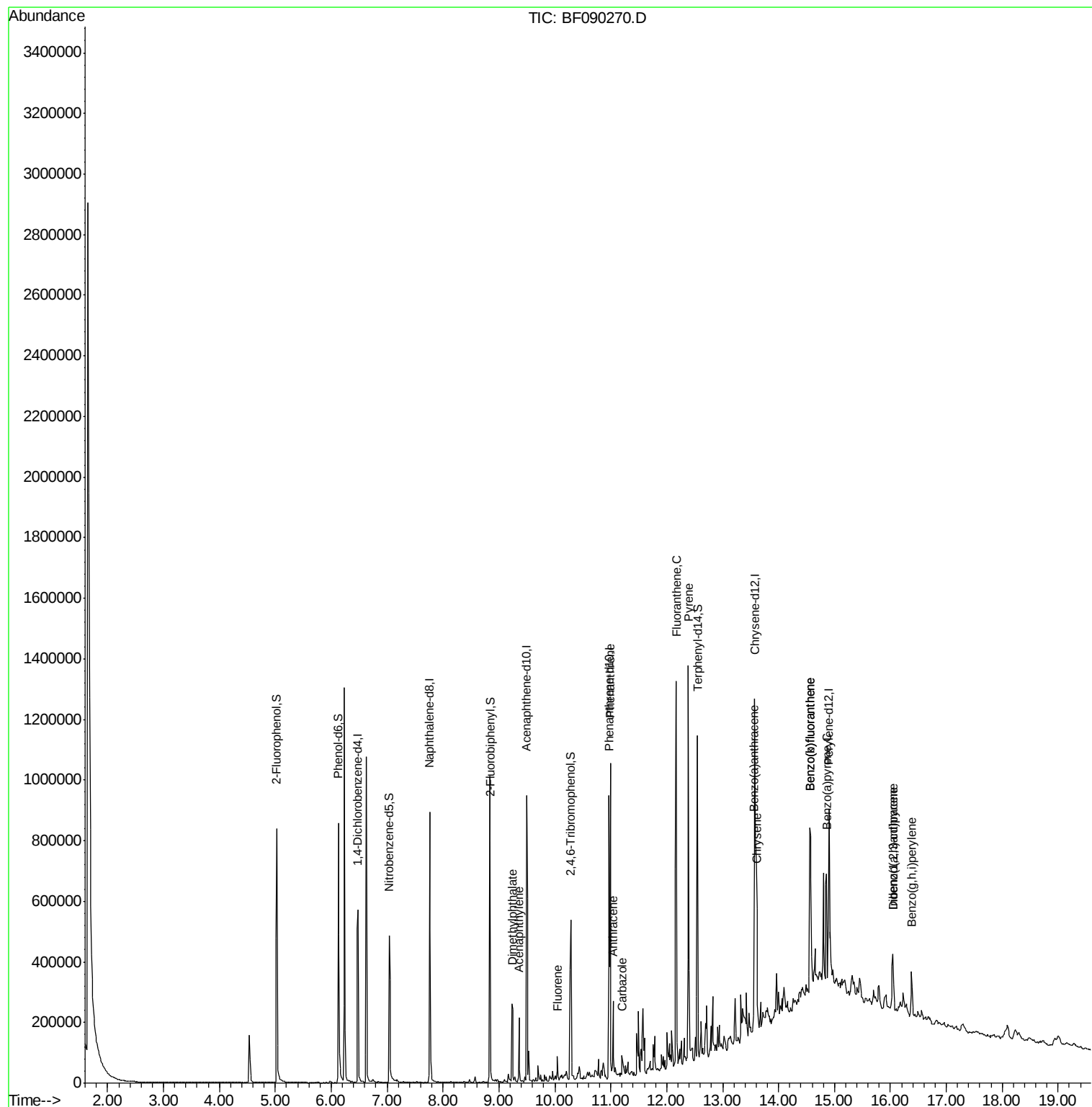
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#1

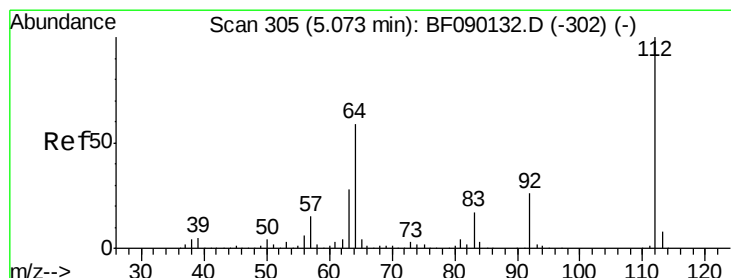
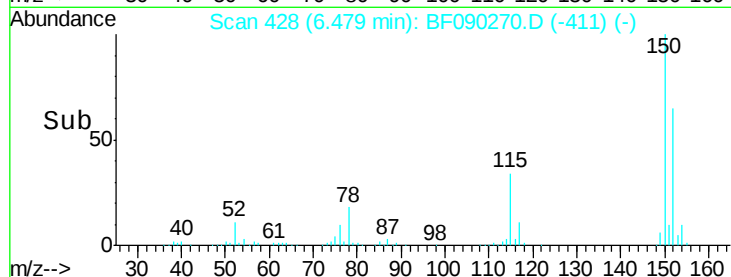
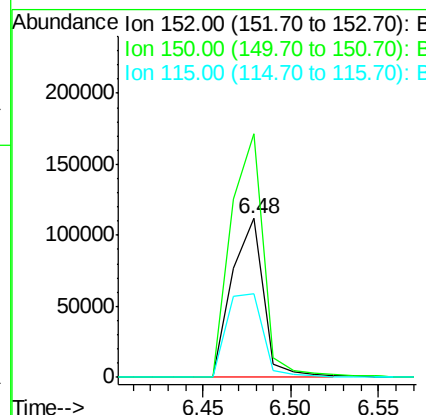
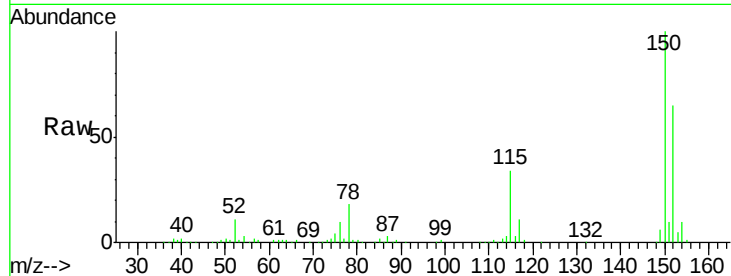
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.48 min Scan# 428
Delta R.T. -0.00 min
Lab File: BF090270.D
Acq: 27 Sep 2016 23:37

Instrument :
BNA_F
ClientSampleId :
S-5-1-LOC-5(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	128.9	193.3
115	52.9	55.5	83.3

Manual Integrations
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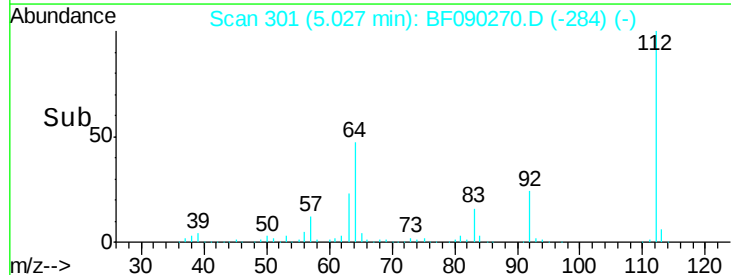
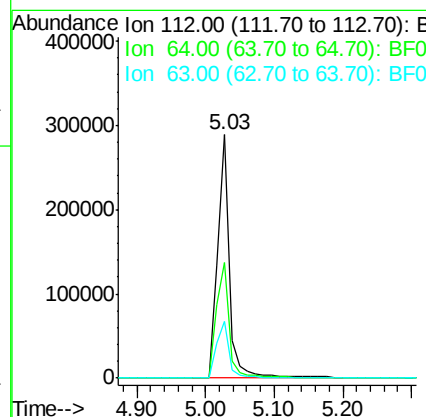
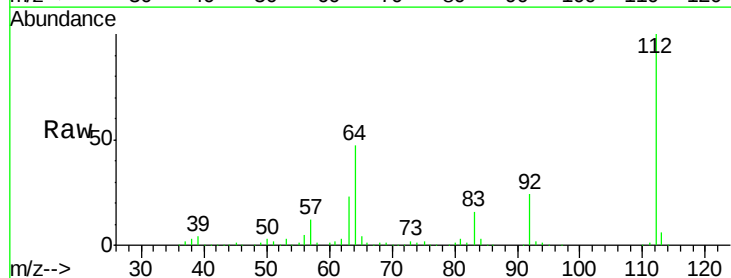
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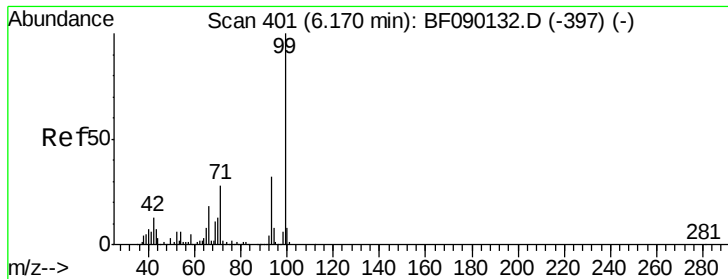


#5

2-Fluorophenol
Concen: 41.25 ng
RT: 5.03 min Scan# 301
Delta R.T. -0.00 min
Lab File: BF090270.D
Acq: 27 Sep 2016 23:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.5	39.8	59.6
63	23.1	18.9	28.3





#7

Phenol-d6

Concen: 43.46 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090270.D

Acq: 27 Sep 2016 23:37

Instrument :

BNA_F

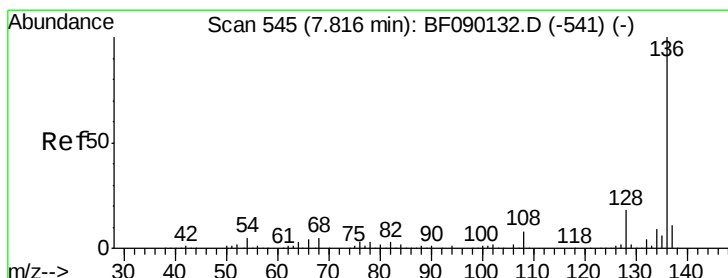
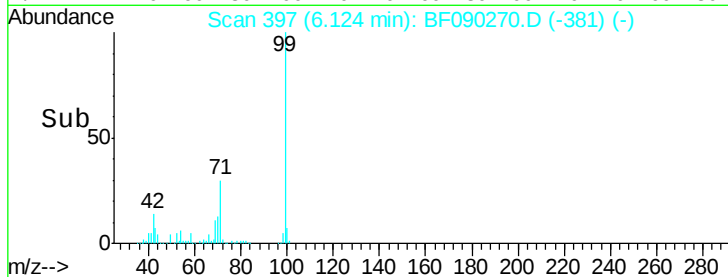
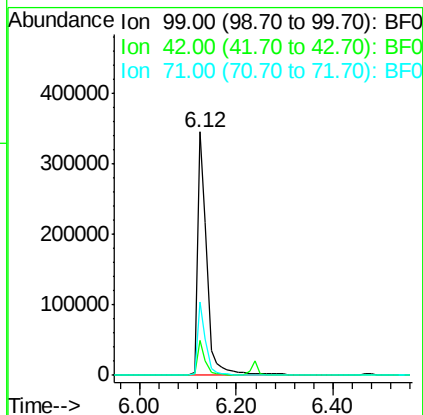
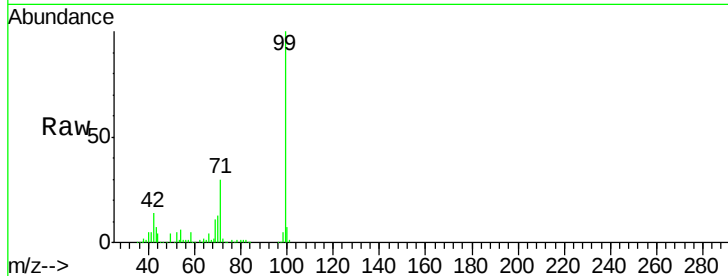
ClientSampleId :

S-5-1-LOC-5(0-5)

Tot Ion:	99	Resp:	463912
Ion Ratio	Lower	Upper	
99	100		
42	14.4	10.6	15.8
71	30.2	23.0	34.6

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#21

Naphthalene-d8

Concen: 20.00 ng m

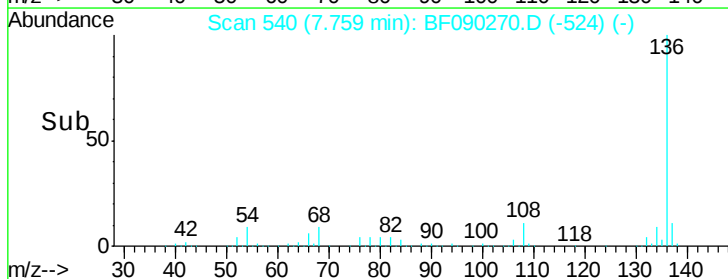
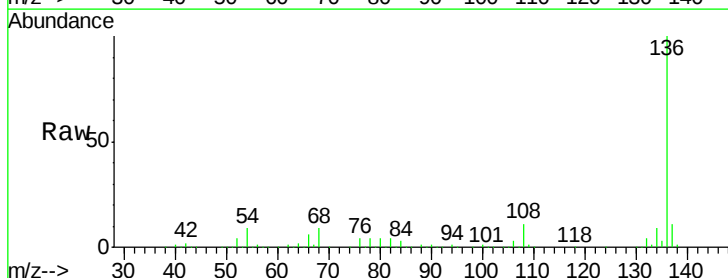
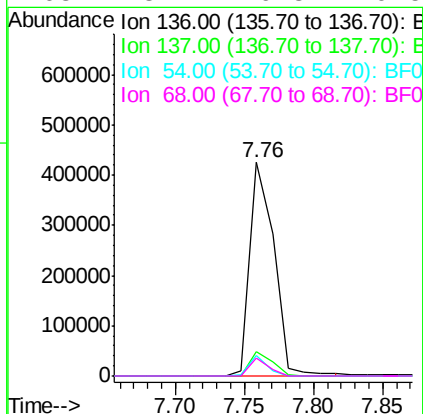
RT: 7.76 min Scan# 540

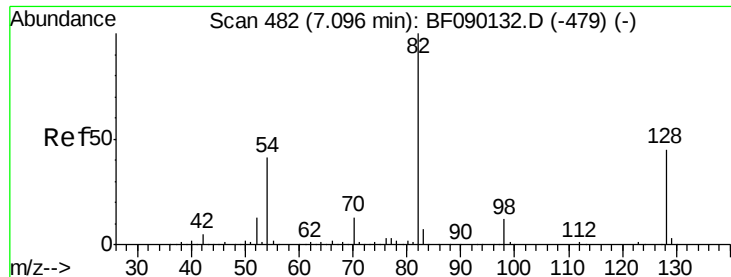
Delta R.T. -0.01 min

Lab File: BF090270.D

Acq: 27 Sep 2016 23:37

Tgt Ion:	136	Resp:	515116
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.4
54	9.4	6.4	9.6
68	8.7	6.3	9.5





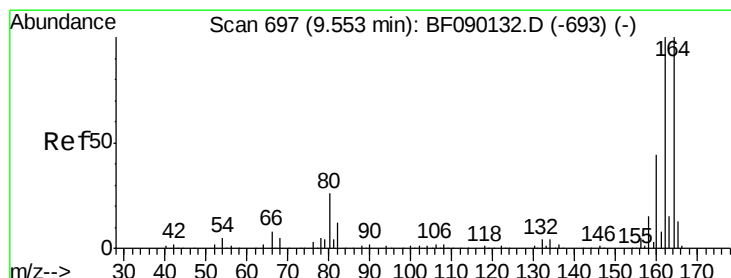
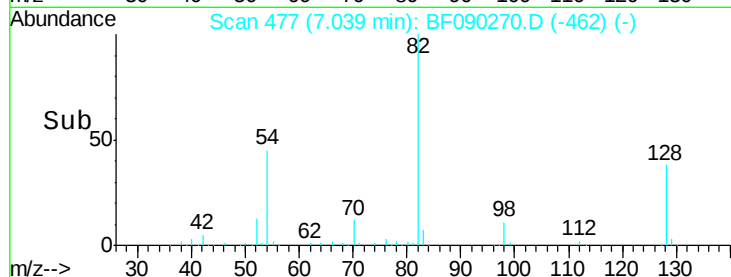
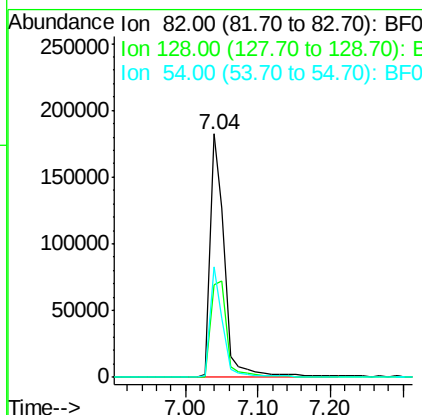
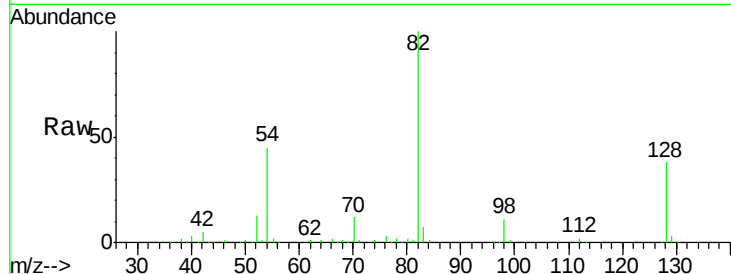
#23
 Nitrobenzene-d5
 Concen: 28.12 ng
 RT: 7.04 min Scan# 477
 Delta R.T. -0.02 min
 Lab File: BF090270.D
 Acq: 27 Sep 2016 23:37

Instrument :
 BNA_F
 ClientSampleId :
 S-5-1-LOC-5(0-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.0	37.5	56.3
54	45.1	31.9	47.9

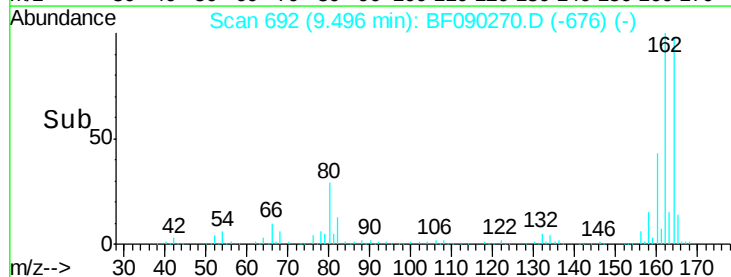
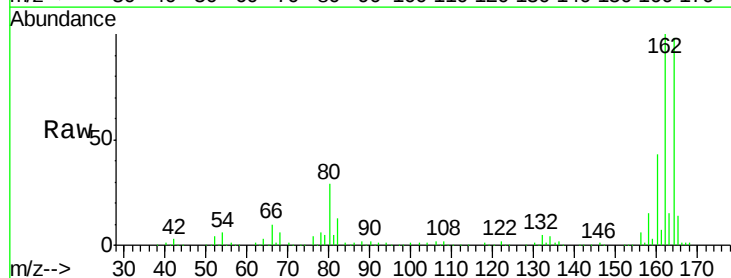
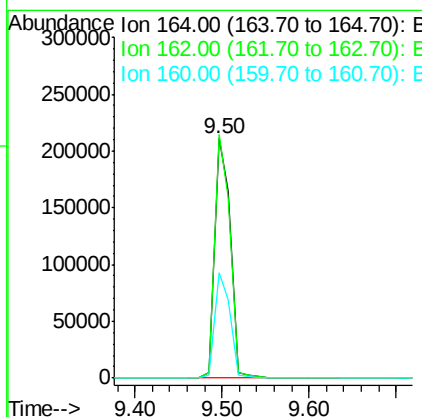
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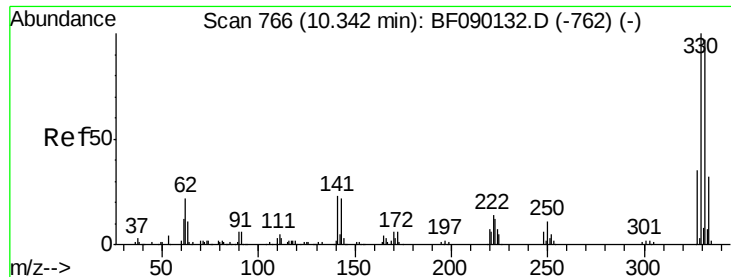
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090270.D
 Acq: 27 Sep 2016 23:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.4	122.2
160	44.1	36.6	54.8





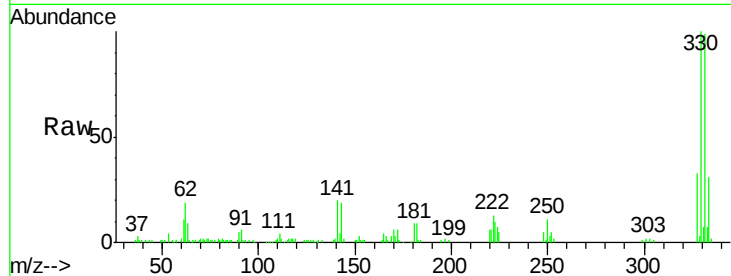
#41
 2,4,6-Tribromophenol
 Concen: 37.97 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090270.D
 Acq: 27 Sep 2016 23:37

Instrument :
 BNA_F
 ClientSampleId :
 S-5-1-LOC-5(0-5)

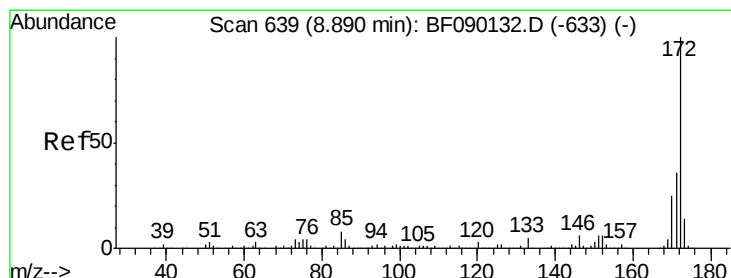
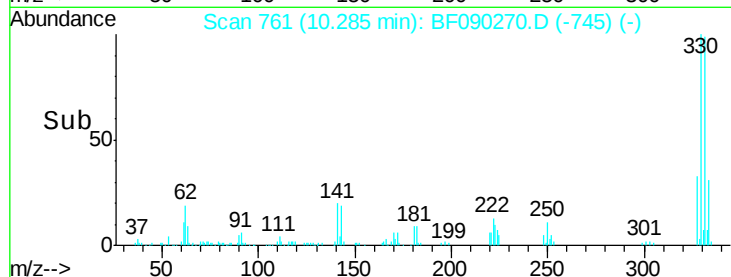
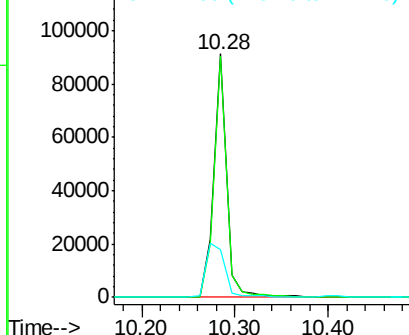
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.1	117.1
141	33.2	23.9	35.9

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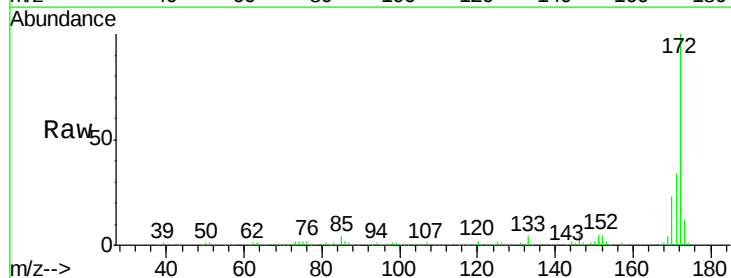


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

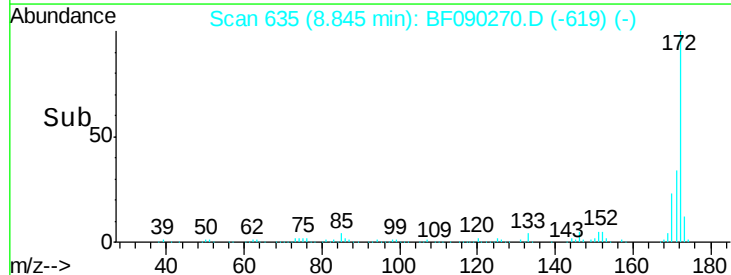
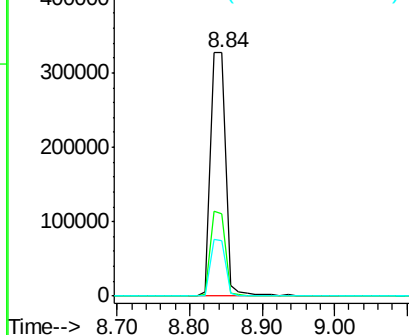


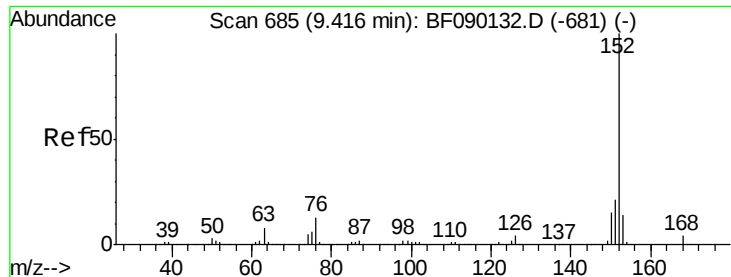
#44
 2-Fluorobiphenyl
 Concen: 34.93 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF090270.D
 Acq: 27 Sep 2016 23:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	29.2	43.8
170	22.7	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 3.99 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF090270.D

Acq: 27 Sep 2016 23:37

Instrument :

BNA_F

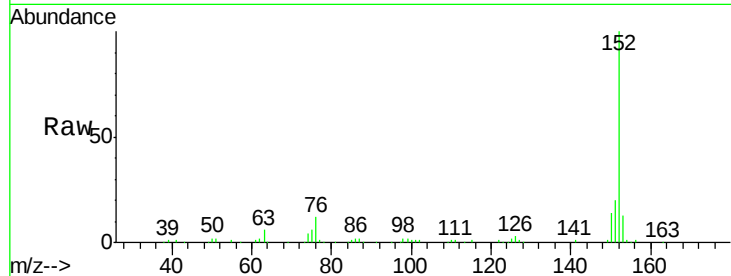
ClientSampleId :

S-5-1-LOC-5(0-5)

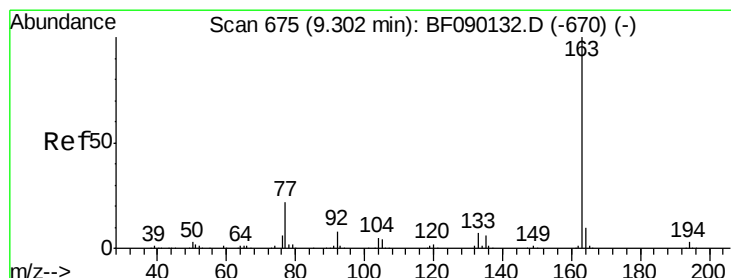
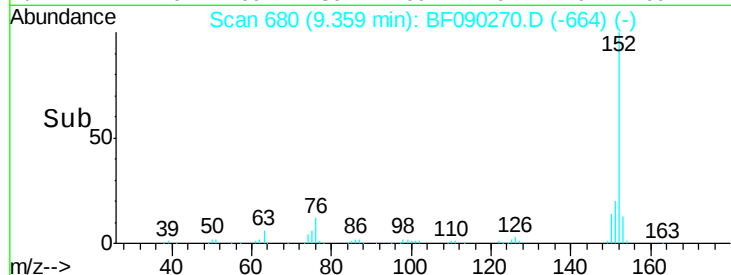
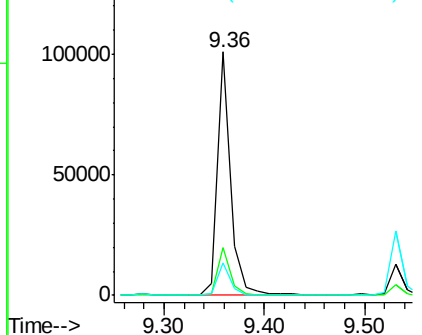
Tot Ion:	152	Resp:	92222
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.5	24.7
153	13.1	10.6	15.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 10.16 ng

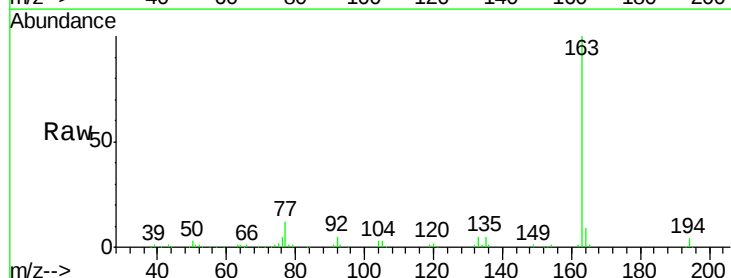
RT: 9.24 min Scan# 670

Delta R.T. -0.02 min

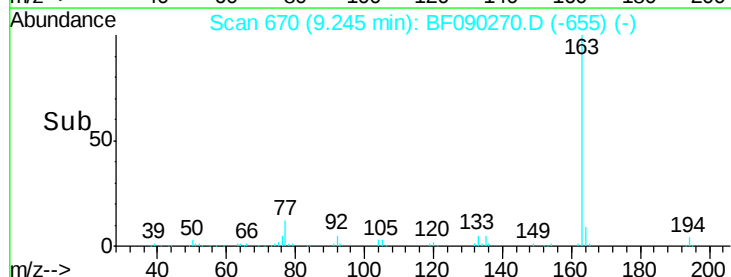
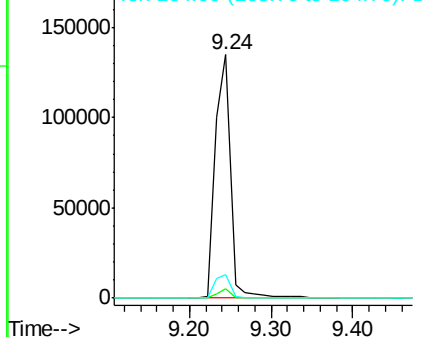
Lab File: BF090270.D

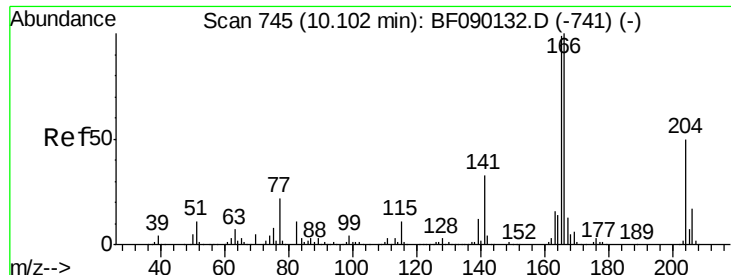
Acq: 27 Sep 2016 23:37

Tgt Ion:	163	Resp:	174300
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.8	4.2
164	9.4	8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





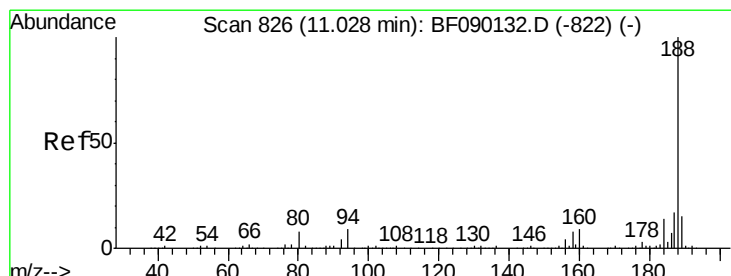
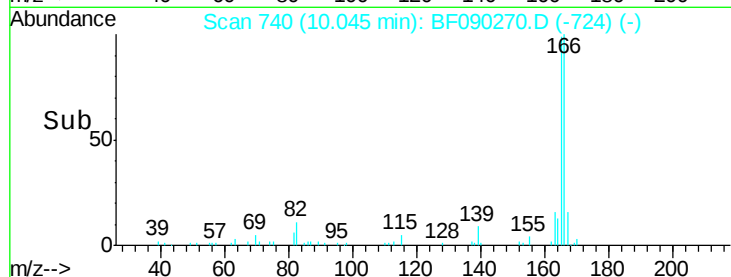
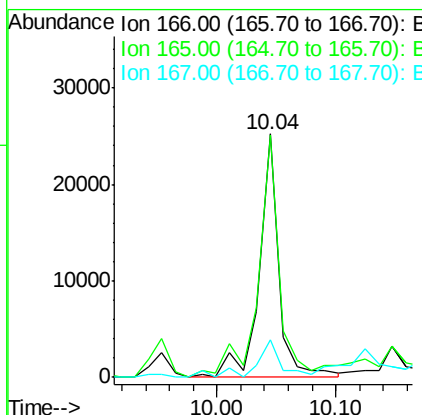
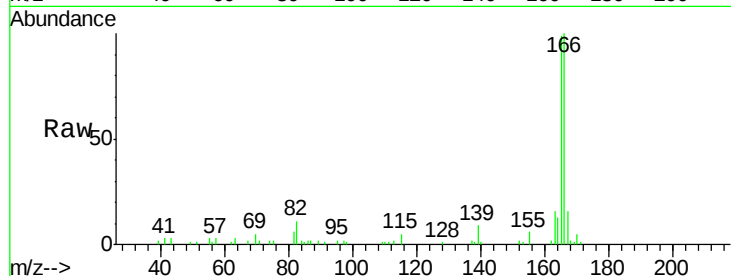
#57
Fluorene
 Concen: 2.16 ng
 RT: 10.04 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF090270.D
 Acq: 27 Sep 2016 23:37

Instrument :
 BNA_F
 ClientSampleId :
 S-5-1-LOC-5(0-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		29361		
165	99.5	78.5	117.7		
167	15.6	11.2	16.8		

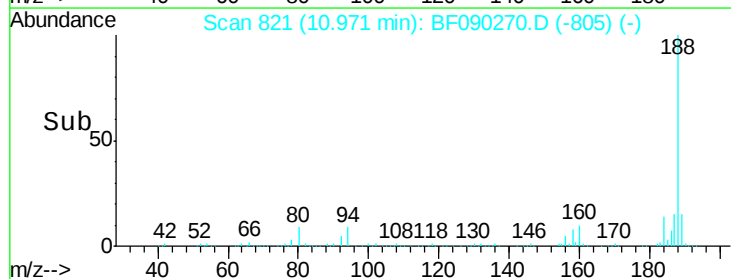
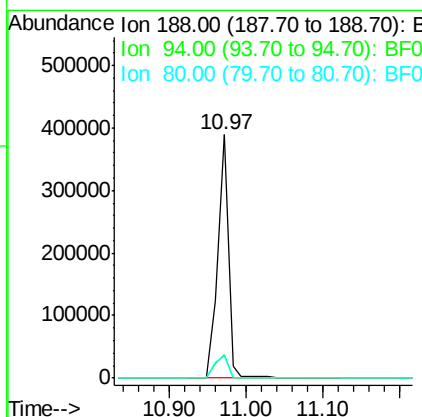
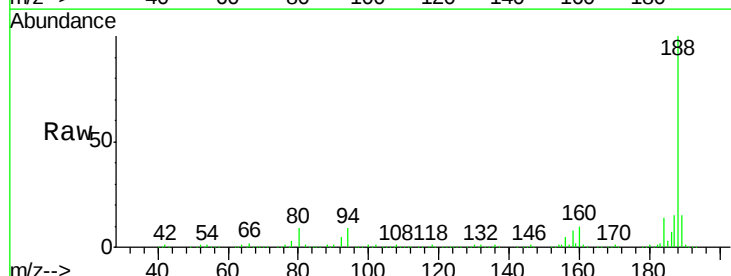
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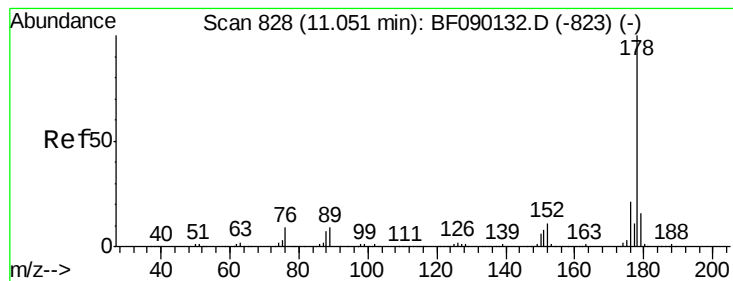
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF090270.D
 Acq: 27 Sep 2016 23:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		376250		
94	9.4	10.5	15.7#		
80	9.1	11.2	16.8#		





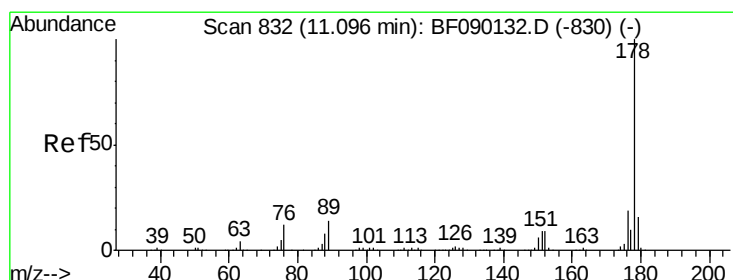
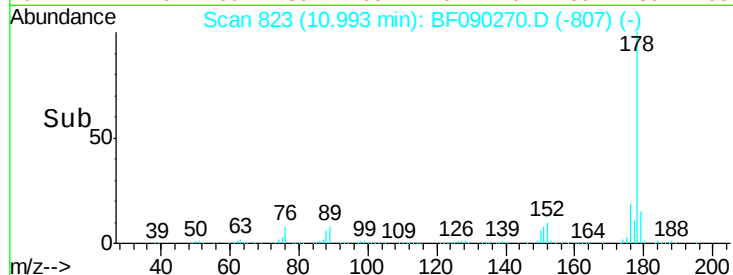
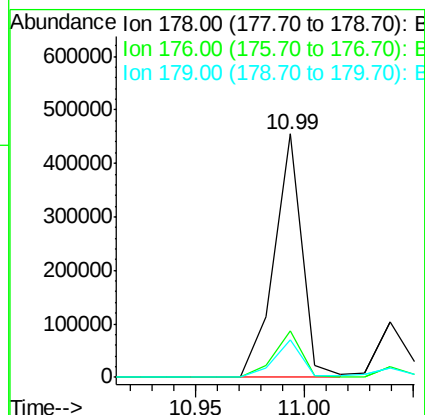
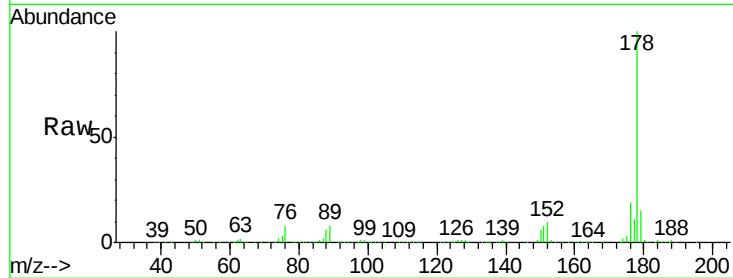
#70
Phenanthrene
Concen: 23.26 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090270.D
Acq: 27 Sep 2016 23:37

Instrument :
BNA_F
ClientSampleId :
S-5-1-LOC-5(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.4	12.9	19.3

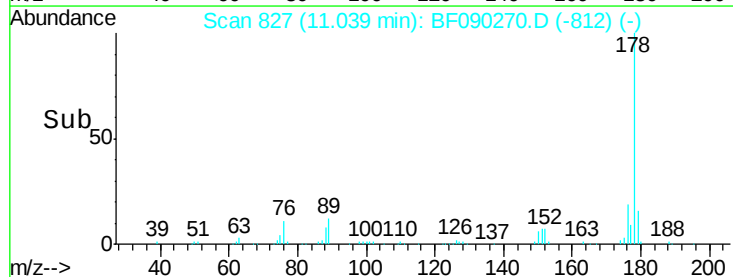
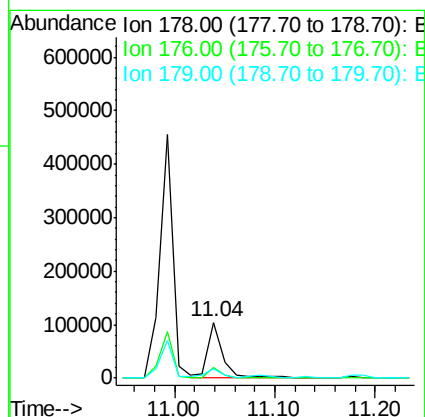
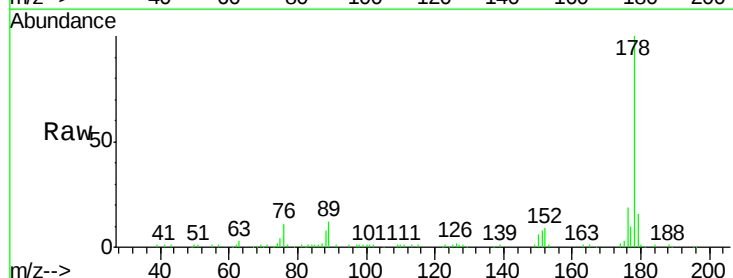
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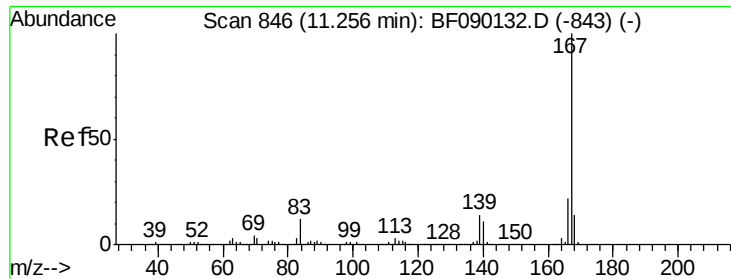
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#71
Anthracene
Concen: 5.93 ng
RT: 11.04 min Scan# 827
Delta R.T. -0.02 min
Lab File: BF090270.D
Acq: 27 Sep 2016 23:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	16.0	12.6	19.0





#72

Carbazole

Concen: 2.46 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.02 min

Lab File: BF090270.D

Acq: 27 Sep 2016 23:37

Instrument :

BNA_F

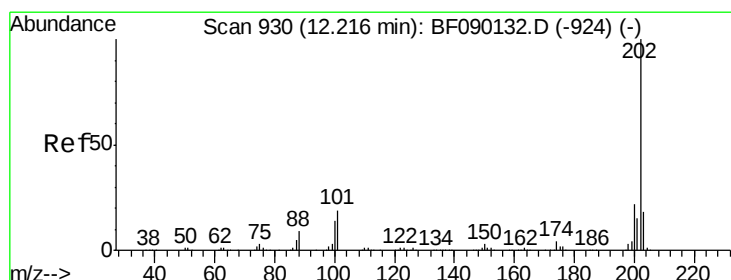
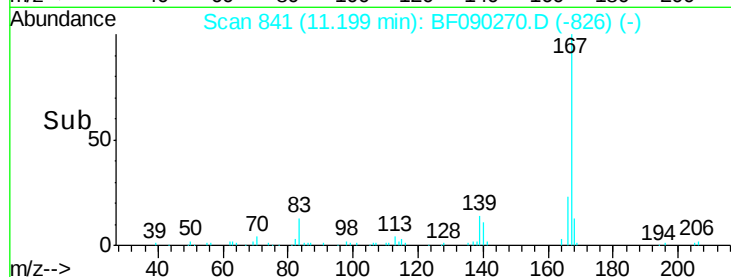
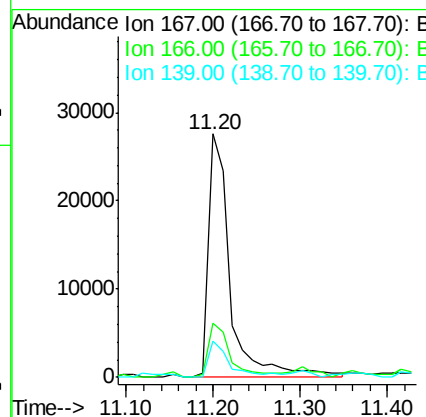
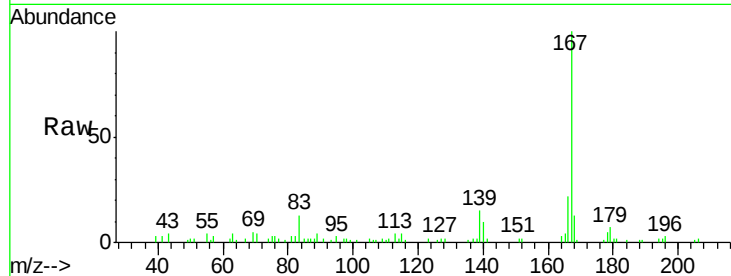
ClientSampleId :

S-5-1-LOC-5(0-5)

Tot Ion:	167	Resp:	48081
Ion Ratio	Lower	Upper	
167	100		
166	22.4	18.0	27.0
139	14.7	10.4	15.6

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#74

Fluoranthene

Concen: 31.59 ng

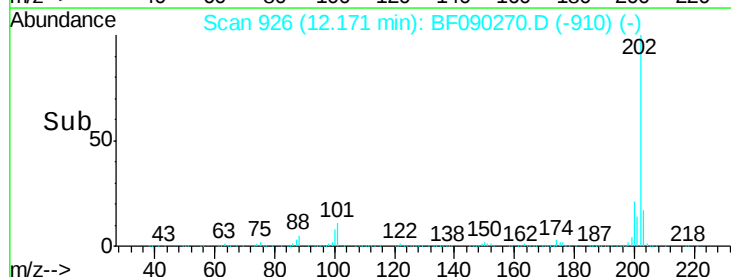
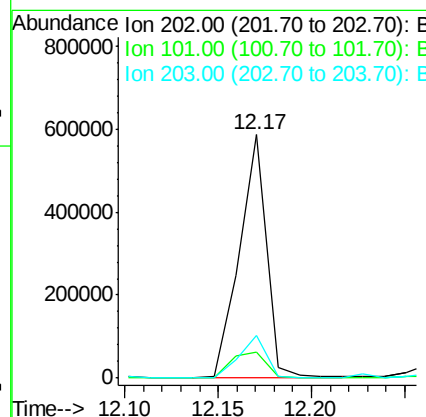
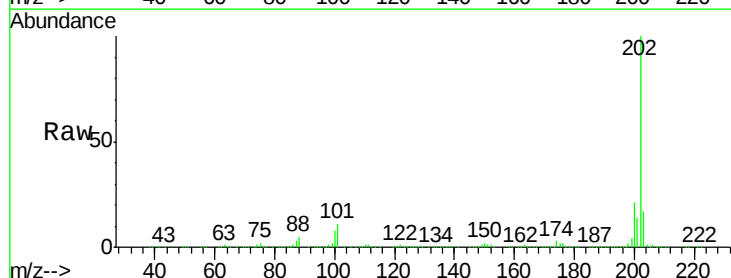
RT: 12.17 min Scan# 926

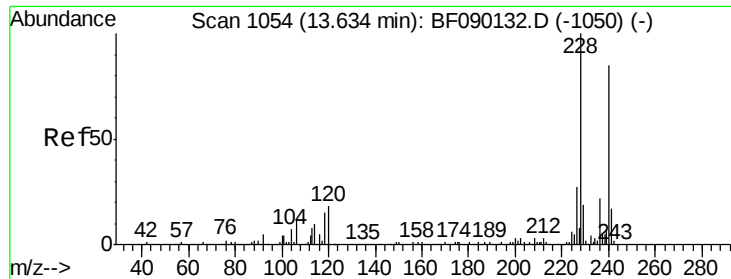
Delta R.T. -0.01 min

Lab File: BF090270.D

Acq: 27 Sep 2016 23:37

Tgt Ion:	202	Resp:	596752
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	36.1
203	17.5	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090270.D

Acq: 27 Sep 2016 23:37

Instrument :

BNA_F

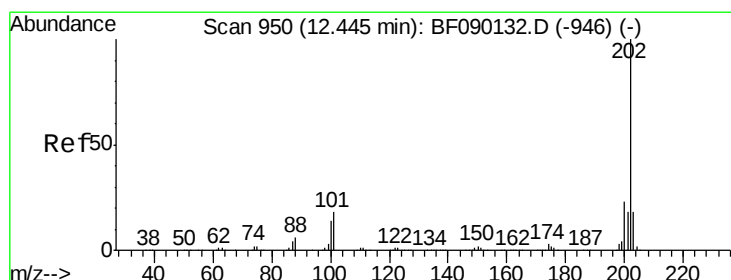
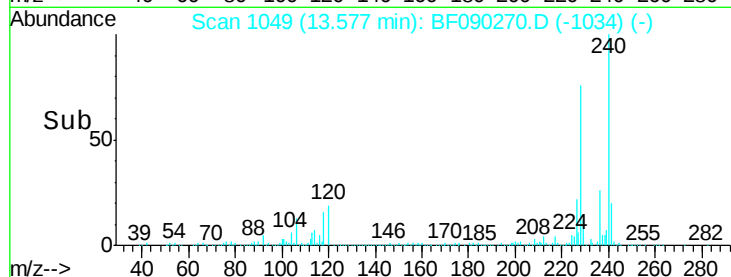
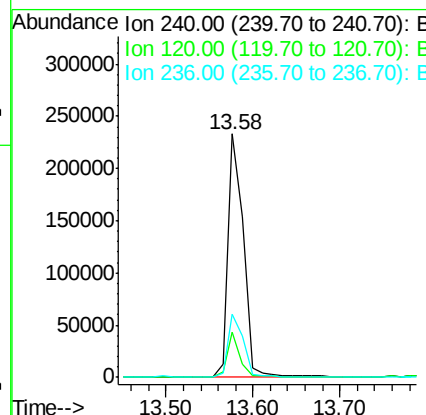
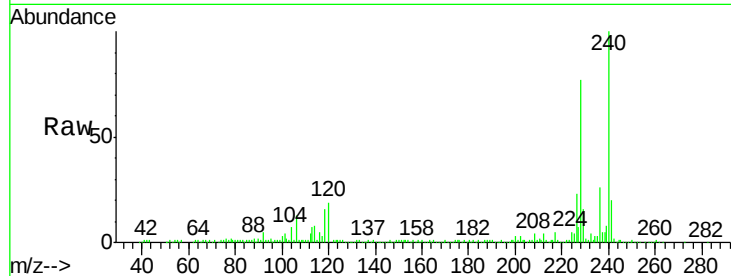
ClientSampleId :

S-5-1-LOC-5(0-5)

Tot Ion:	240	Resp:	287890
Ion Ratio	Lower	Upper	
240	100		
120	18.7	10.6	16.0#
236	26.0	21.6	32.4

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#77

Pyrene

Concen: 25.99 ng

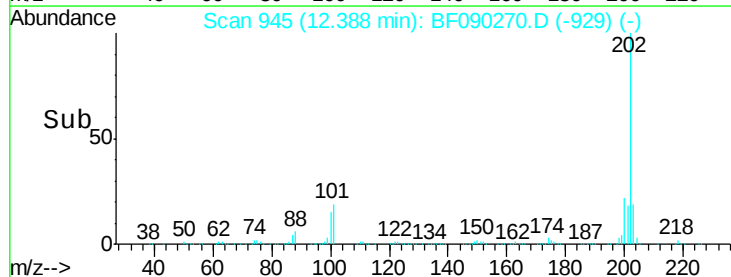
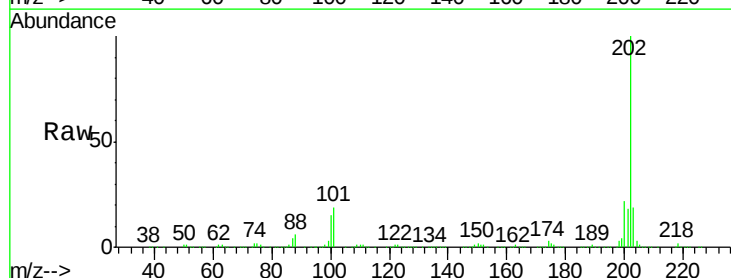
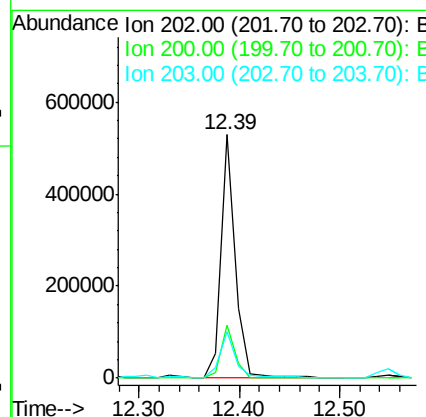
RT: 12.39 min Scan# 945

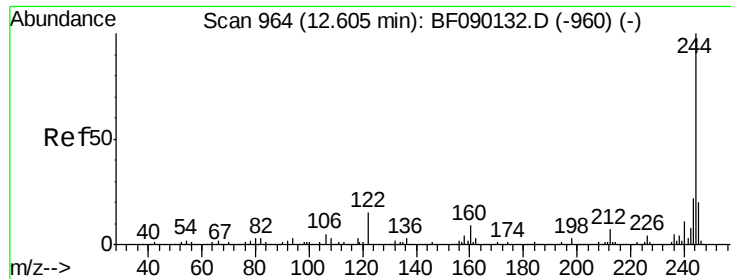
Delta R.T. -0.01 min

Lab File: BF090270.D

Acq: 27 Sep 2016 23:37

Tgt Ion:	202	Resp:	512031
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.9	26.9
203	19.1	14.2	21.4





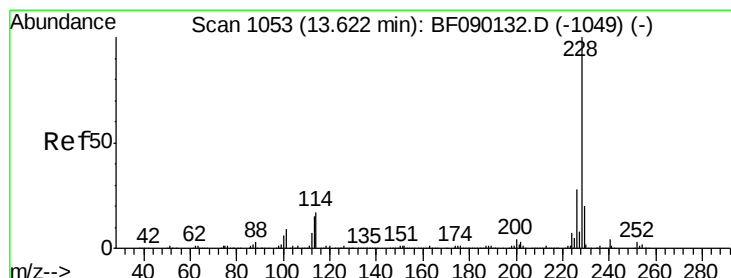
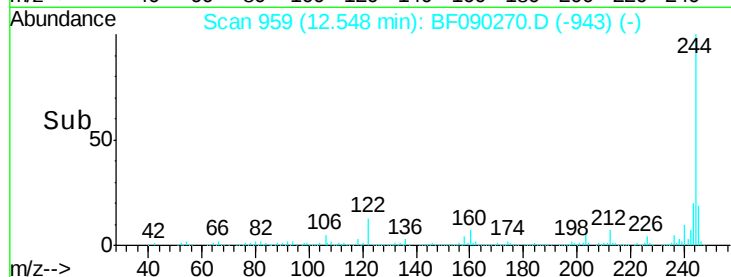
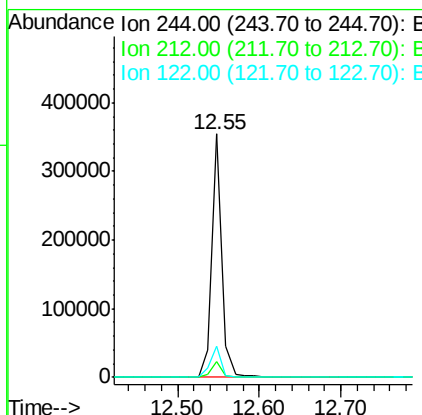
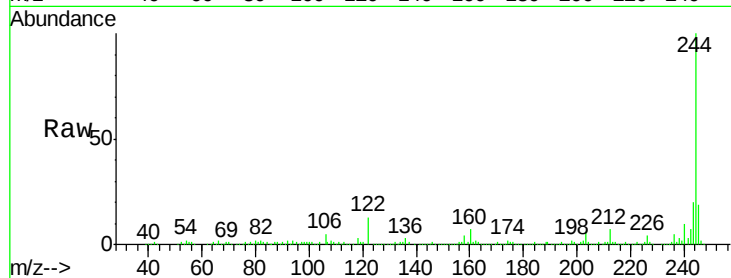
#78
 Terphenyl-d14
 Concen: 27.64 ng
 RT: 12.55 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BF090270.D
 Acq: 27 Sep 2016 23:37

Instrument :
 BNA_F
 ClientSampleId :
 S-5-1-LOC-5(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	12.8	9.4	14.0

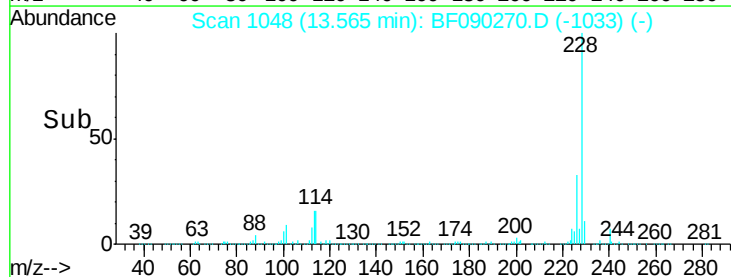
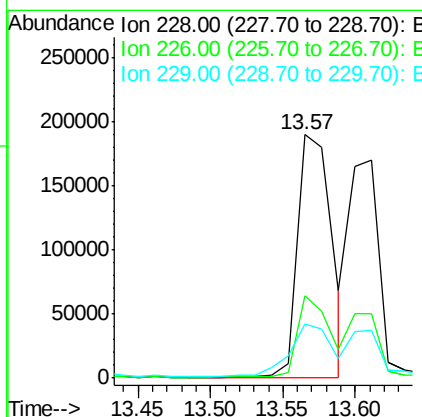
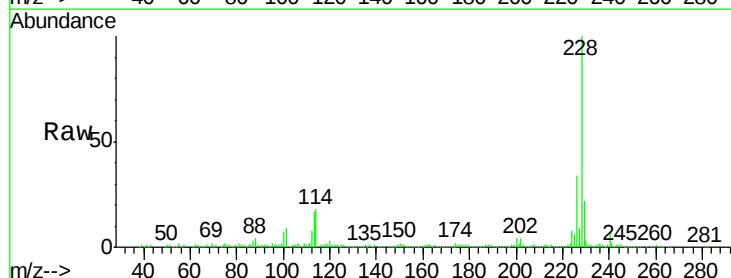
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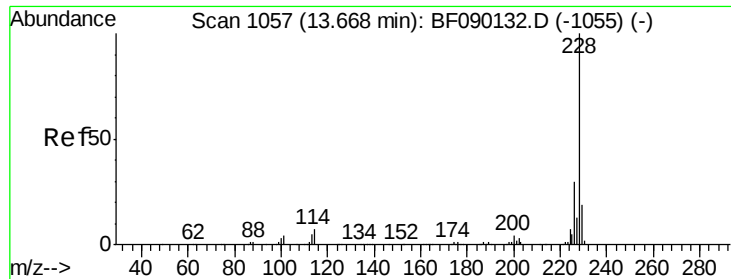
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#80
 Benzo(a)anthracene
 Concen: 20.01 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF090270.D
 Acq: 27 Sep 2016 23:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.1	22.0	33.0#
229	22.4	16.2	24.2





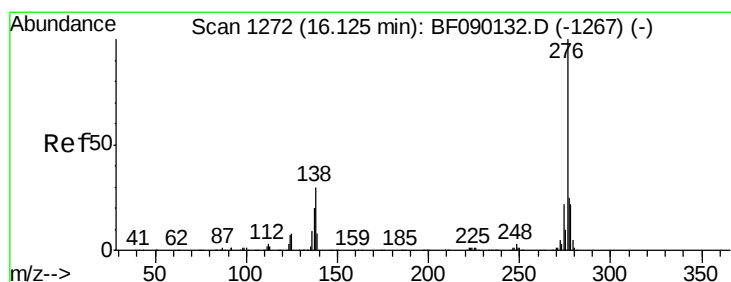
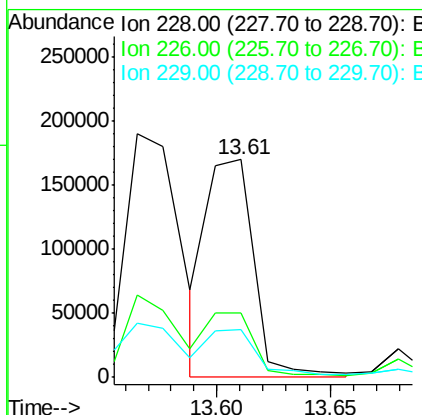
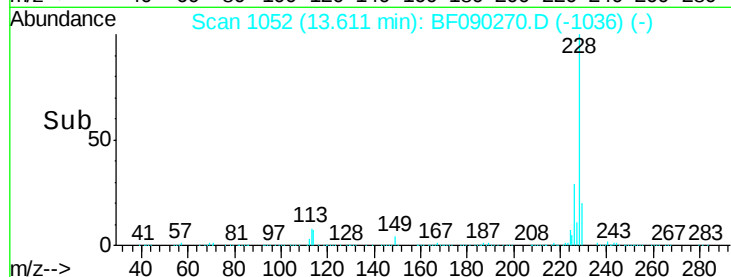
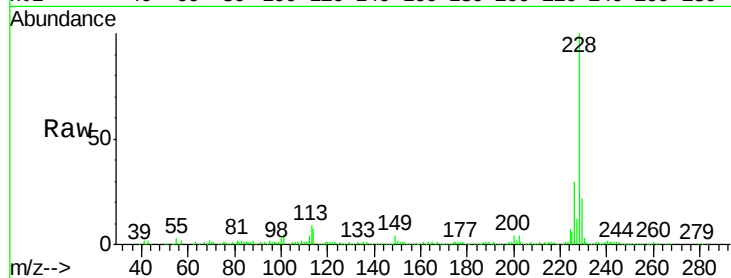
#82
Chrysene
Concen: 16.39 ng/mL
RT: 13.61 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF090270.D
Acq: 27 Sep 2016 23:37

Instrument :
BNA_F
ClientSampled :
S-5-1-LOC-5(0-5)

Tot Ion:	228	Resp:	247315
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.6	37.0
229	21.9	16.2	24.4

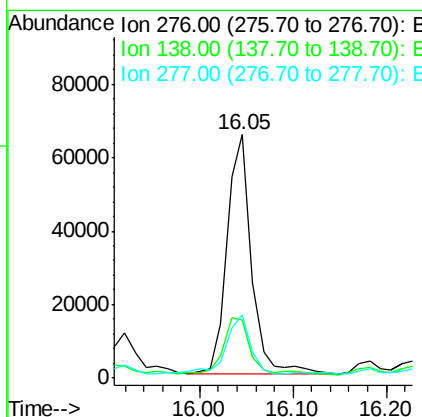
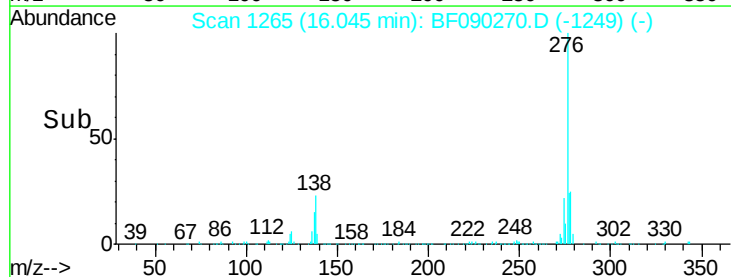
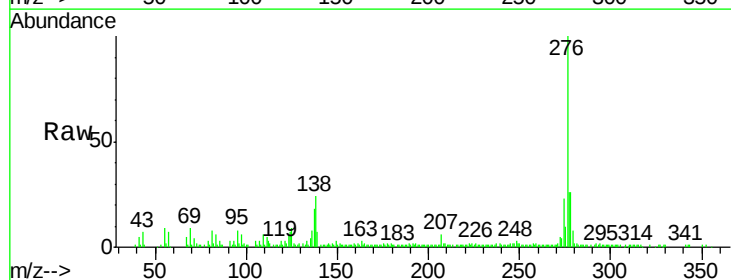
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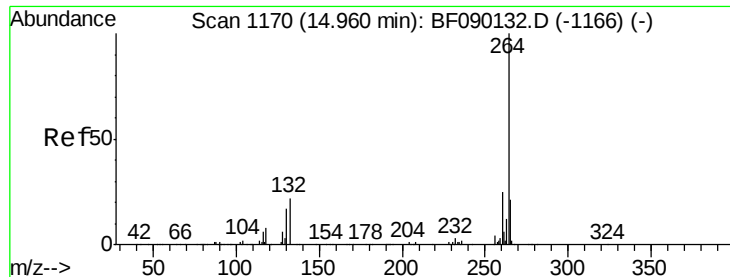
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#85
Indeno(1,2,3-cd)pyrene
Concen: 9.79 ng/mL
RT: 16.05 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF090270.D
Acq: 27 Sep 2016 23:37

Tgt Ion:	276	Resp:	119382
Ion Ratio	Lower	Upper	
276	100		
138	27.4	25.9	38.9
277	25.4	19.9	29.9





#86

Pervlene-d12

Concen: 20.00 ng

RT: 14.90 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF090270.D

Acq: 27 Sep 2016 23:37

Instrument :

BNA_F

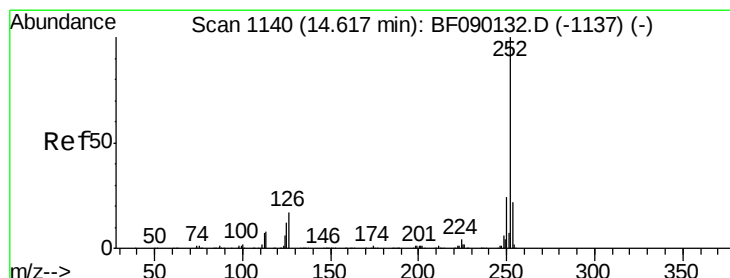
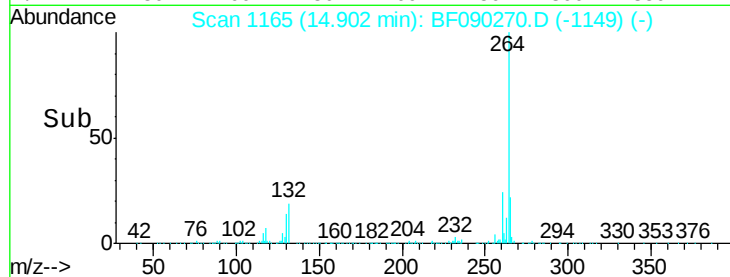
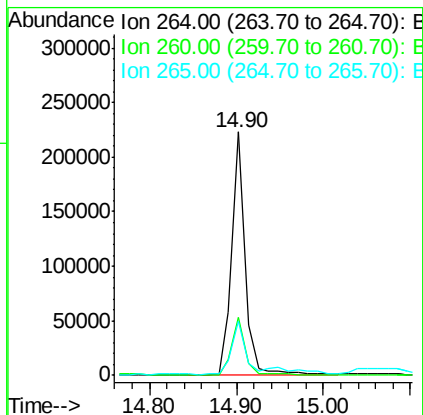
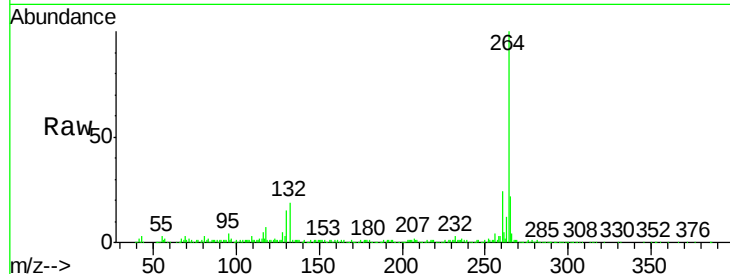
ClientSampleId :

S-5-1-LOC-5(0-5)

Tot Ion:	264	Resp:	237392
Ion Ratio		Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.4	17.0	25.4

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#87

Benzo(b)fluoranthene

Concen: 21.46 ng m

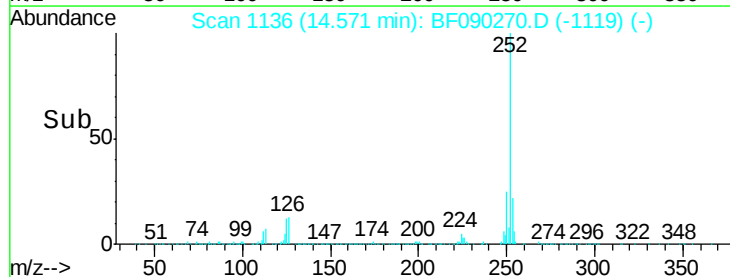
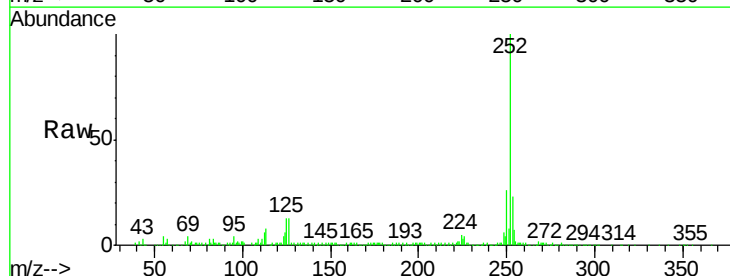
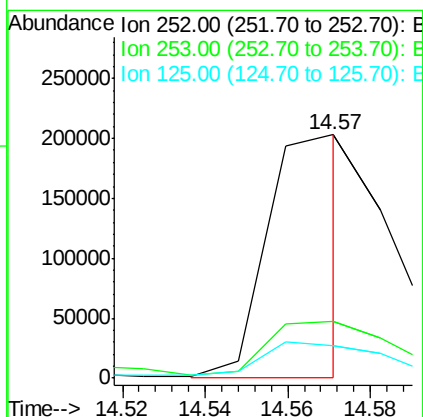
RT: 14.57 min Scan# 1136

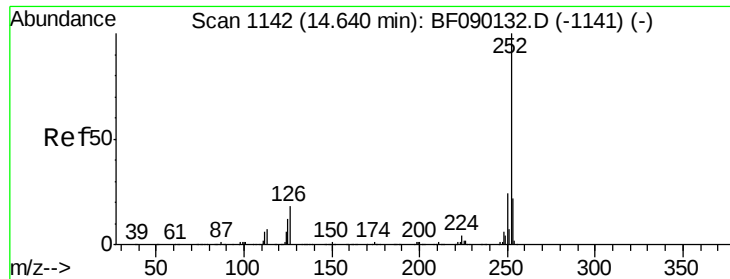
Delta R.T. -0.00 min

Lab File: BF090270.D

Acq: 27 Sep 2016 23:37

Tgt Ion:	252	Resp:	282049
Ion Ratio		Lower	Upper
252	100		
253	23.3	17.9	26.9
125	13.1	12.7	19.1





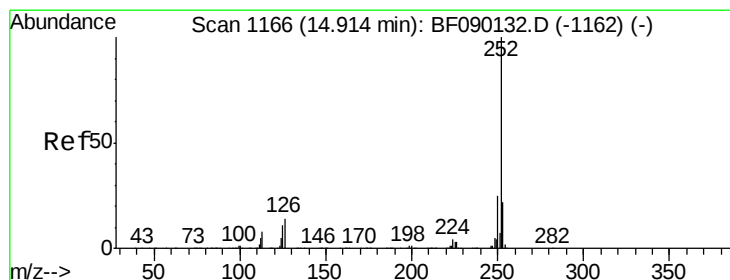
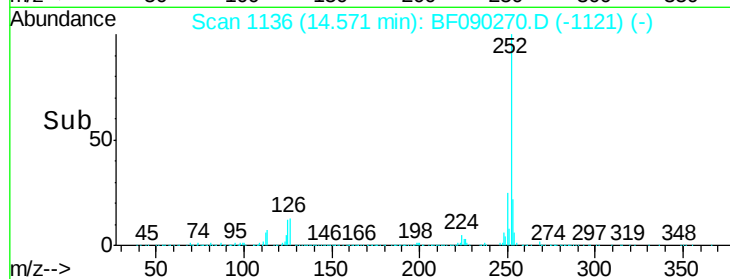
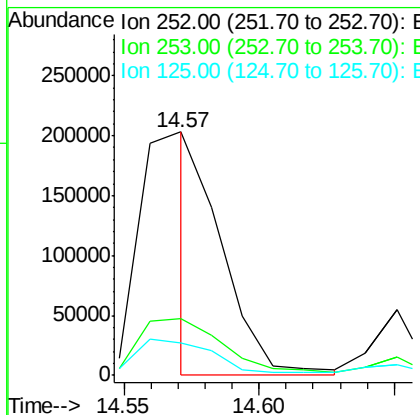
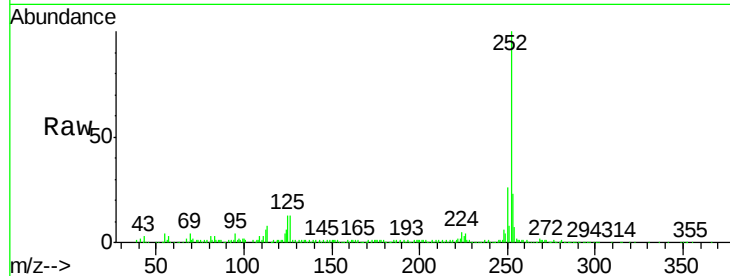
#88
Benzo(k)fluoranthene
Concen: 11.49 ng m
RT: 14.57 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF090270.D
Acq: 27 Sep 2016 23:37

Instrument :
BNA_F
ClientSampleId :
S-5-1-LOC-5(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	13.1	7.8	11.6

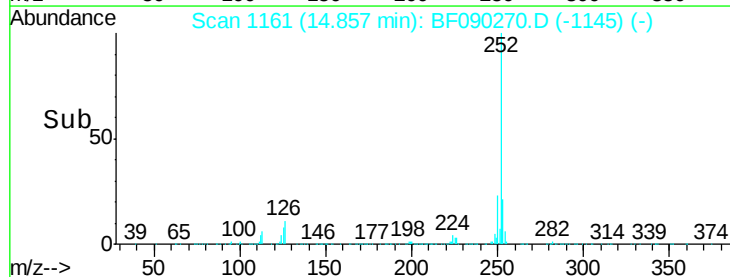
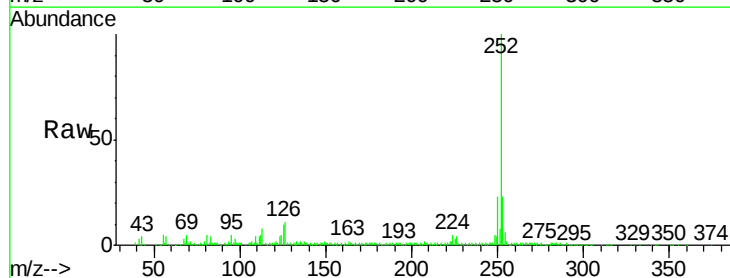
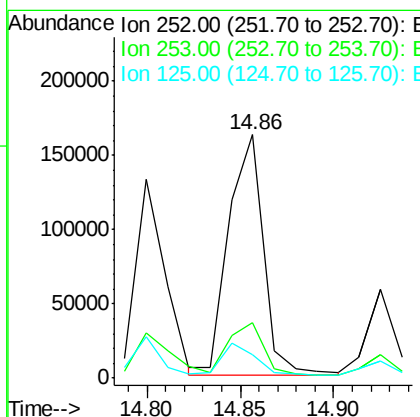
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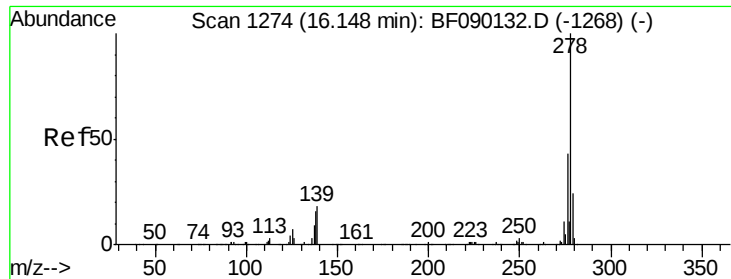
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#89
Benzo(a)pyrene
Concen: 17.33 ng
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF090270.D
Acq: 27 Sep 2016 23:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	9.7	7.7	11.5





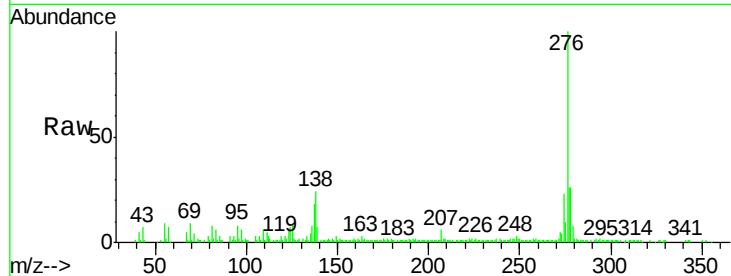
#90
Dibenzo(a,h)anthracene
Concen: 3.54 ng m
RT: 16.05 min Scan# 1265
Delta R.T. -0.03 min
Lab File: BF090270.D
Acq: 27 Sep 2016 23:37

Instrument :
BNA_F
ClientSampleId :
S-5-1-LOC-5(0-5)

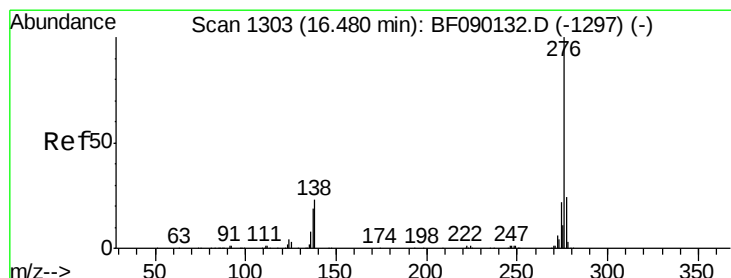
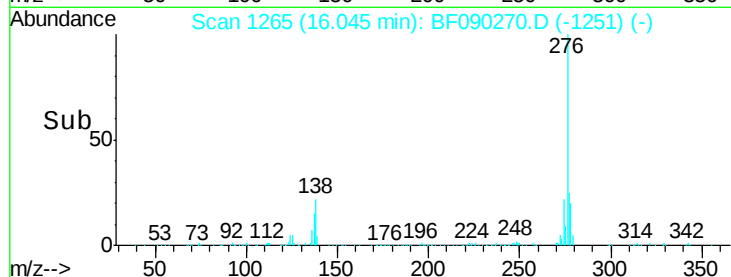
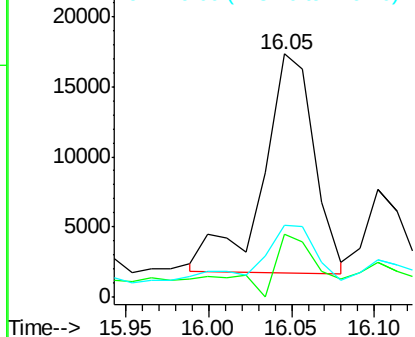
Tot Ion	Ratio	Lower	Upper
278	100		
139	26.2	14.6	21.8#
279	29.4	18.8	28.2#

Manual Integrations
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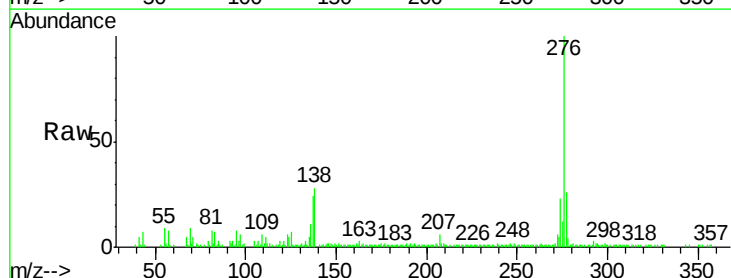


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 11.01 ng
RT: 16.38 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF090270.D
Acq: 27 Sep 2016 23:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.9	28.3
138	28.0	23.3	34.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

